

Ohlasy / Citations, reviews

Department: SAVGEOTE - Ústav geotechniky SAV
Date of citation, review: 2011~2014

Citations, reviews

Citations in Web of Science Core Collection (1.1, 2.1)	1859
Citations in SCOPUS (1.2, 2.2)	366
Citations in other citation indexes and databases (not listed above) (3.2, 4.2, 9, 10)	1
Other citations (not listed above) (3, 4, 3.1, 4.1)	285
Reviews (5, 6)	0
Count	2511

AAA Scientific monographs published abroad

AAA01 BALÁŽ, Peter. *Extractive metallurgy of activated minerals*. Amsterdam : Elsevier Science B.V., 2000. 278 p. Process Metallurgy, 10. ISBN 978-0-444-50206-3.

Ohlasy:

[1.1] AKHGAR, B. N. - PAZOUKI, M. - RANJBAR, M. - HOSSEINNIA, A. - SALARIAN, R. Application of Taguchi method for optimization of synthetic rutile nano powder preparation from ilmenite concentrate. In CHEMICAL ENGINEERING RESEARCH & DESIGN. ISSN 0263-8762, FEB 2012, vol. 90, no. 2, p. 220-228., WOS

[1.1] ALEX, T. C. - KUMAR, Rakesh - ROY, S. K. - MEHROTRA, S. P. Towards ambient pressure leaching of boehmite through mechanical activation. In HYDROMETALLURGY. ISSN 0304-386X, APR 2014, vol. 144, p. 99-106., WOS

[1.1] ALEX, T. C. - KUMAR, Rakesh - ROY, S. K. - MEHROTRA, S. P. Anomalous reduction in surface area during mechanical activation of boehmite synthesized by thermal decomposition of gibbsite. In POWDER TECHNOLOGY. ISSN 0032-5910, MAR 10 2011, vol. 208, no. 1, p. 128-136., WOS

[1.1] APAYDIN, F. - ATASOY, A. - YILDIZ, K. Effect of mechanical activation on carbothermal reduction of chromite with graphite. In CANADIAN METALLURGICAL QUARTERLY. ISSN 0008-4433, APR 2011, vol. 50, no. 2, p. 113-118., WOS

[1.1] BAFGHI, M. Sh - EMAMI, A. H. - ZAKERI, A. Effect of Specific Surface Area of a Mechanically Activated Chalcopyrite on Its Rate of Leaching in Sulfuric Acid-Ferric Sulfate Media. In METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE. ISSN 1073-5615, OCT 2013, vol. 44, no. 5, p. 1166-1172., WOS

- [1.1] CELEP, Oktay - ALP, Ibrahim - PAKTUNC, Dogan - THIBAUT, Yves. Implementation of sodium hydroxide pretreatment for refractory antimonial gold and silver ores. In HYDROMETALLURGY. ISSN 0304-386X, JUN 2011, vol. 108, no. 1-2, p. 109-114., WOS
- [1.1] CELEP, Oktay - ALP, Ibrahim - DEVECI, Haci. Improved gold and silver extraction from a refractory antimony ore by pretreatment with alkaline sulphide leach. In HYDROMETALLURGY. ISSN 0304-386X, JAN 2011, vol. 105, no. 3-4, p. 234-239., WOS
- [1.1] DOLINSKA, Silvia - TURCANIOVA, L'udmila - ZNAMENACKOVA, Ingrid - LOVAS, Michal - ZUBRIK, Anton - MATIK, Marek. MECHANOCHEMICAL ACTIVATION OF BROWN COAL UNDER MILD ALKALINE LEACHING CONDITIONS. In 12TH INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE, SGEM 2012, VOL. II. ISSN 1314-2704, 2012, p. 409-414., WOS
- [1.1] FICERIOVA, Jana. Mechanical activation and electrolysis of gold from goldsmith's waste. In ACTA MONTANISTICA SLOVACA. ISSN 1335-1788, 2012, vol. 17, no. 1, p. 42-46., WOS
- [1.1] GARCES, R.S. - TORRES, J.T. - VALDES, A.F. Synthesis of SrAl_2O_4 and $\text{Sr}_3\text{Al}_2\text{O}_6$ at high temperature, starting from mechanically activated SrCO_3 and Al_2O_3 in blends of 3:1 molar ratio. In Ceramics International, Vol. 38 (2012), Issue 2, 889-894, WOS
- [1.1] HASHEMZADEHFINI, Mohsen - FICERIOVA, Jana - ABKHOSHK, Emad - SHAHRAKI, Behrouz Karimi. Effect of mechanical activation on thiosulfate leaching of gold from complex sulfide concentrate. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, DEC 2011, vol. 21, no. 12, p. 2744-2751., WOS
- [1.1] HIGHFIELD, James - LIM, HuiQi - FAGERLUND, Johan - ZEVENHOVEN, Ron. Mechanochemical processing of serpentine with ammonium salts under ambient conditions for CO_2 mineralization. In RSC ADVANCES. ISSN 2046-2069, 2012, vol. 2, no. 16, p. 6542-6548., WOS
- [1.1] KHAYATI, Gholam Reza - JANGHORBAN, Kamal - SHARIAT, Mohamad Hosein. Isothermal kinetics of mechanochemically and thermally synthesized Ag from Ag_2O . In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, APR 2012, vol. 22, no. 4, p. 935-942., WOS
- [1.1] KIM, Eunyong - OSSEO-ASARE, K. Aqueous stability of thorium and rare earth metals in monazite hydrometallurgy: Eh-pH diagrams for the systems Th-, Ce-, La-, Nd- (PO_4)-(SO_4)- H_2O at 25 degrees C. In HYDROMETALLURGY. ISSN 0304-386X, FEB 2012, vol. 113, p. 67-78., WOS
- [1.1] KOC, Seval - TOPLAN, Nil - YILDIZ, Kenan - TOPLAN, H. Ozkan. Effects of mechanical activation on the non-isothermal kinetics of mullite formation from kaolinite. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, MAR 2011, vol. 103, no. 3, p. 791-796., WOS
- [1.1] KRISKOVA, Lubica - PONTIKES, Yiannis - CIZER, Ozlem - MERTENS, Gilles - VEULEMANS, Wout - GEYSEN, Daneel - JONES, Peter Tom - VANDEWALLE, Lucie - VAN BALEN, Koen - BLANPAIN, Bart. Effect of mechanical activation on the hydraulic properties of stainless steel slags. In CEMENT AND CONCRETE RESEARCH. ISSN 0008-8846, JUN 2012, vol.

42, no. 6, p. 778-788., WOS

[1.1] KUSNIEROVA, Maria - PRASCAKOVA, Maria - NOWAK, Anna K. - GORAZDA, Katarzyna - WZOREK, Zbigniew. Biogenic catalysis in sulphide minerals' weathering processes and acid mine drainage genesis. In ACTA BIOCHIMICA POLONICA. ISSN 0001-527X, 2014, vol. 61, no. 1, p. 33-39., WOS

[1.1] LIU, Qingyou - LI, Heping. Electrochemical behaviour of chalcopyrite (CuFeS_2) in FeCl_3 solution at room temperature under differential stress. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, JAN 17 2011, vol. 98, no. 1-2, p. 82-88., WOS

[1.1] LOPEZ-BADILLO, C. M. - LOPEZ-CUEVAS, J. - GUTIERREZ-CHAVARRIA, C. A. - RODRIGUEZ-GALICIA, J. L. - PECH-CANUL, M. I. Synthesis and characterization of $\text{BaAl}_2\text{Si}_2\text{O}_8$ using mechanically activated precursor mixtures containing coal fly ash. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, DEC 2013, vol. 33, no. 15-16, p. 3287-3300., WOS

[1.1] LOPEZ-BADILLO, C. M. - LOPEZ-CUEVAS, J. - RODRIGUEZ-GALICIA, J. L. - GUTIERREZ-CHAVARRIA, C. A. - PECH-CANUL, M. I. Influence of mechanical activation on the synthesis of Sr-Celsian employing a precursor mixture containing coal fly ash. In BOLETIN DE LA SOCIEDAD ESPANOLA DE CERAMICA Y VIDRIO. ISSN 0366-3175, MAR-APR 2013, vol. 52, no. 2, p. 98-104., WOS

[1.1] MOHAMMADNEJAD, Sima - PROVIS, John L. - VAN DEVENTER, Jannie S. J. Effects of grinding on the preg-robbing potential of quartz in an acidic chloride medium. In MINERALS ENGINEERING. ISSN 0892-6875, OCT 2013, vol. 52, SI, p. 31-37., WOS

[1.1] MOHAMMADNEJAD, S. - PROVIS, J.L. - VAN DEVENTER, J.S.J. Reduction of gold(III)chloride to gold(0) on silicate surfaces. In Journal of Colloid and Interface Science, Vol. 389 (2013), p. 252-259, WOS

[1.1] MUCSI, G. - RACZ, A. - MADAI, V. Mechanical activation of cement in stirred media mill. In Powder Technology, Vol. 235 (2013), p. 163-172, WOS

[1.1] RESCIC, S. - PLESCIA, P. - COSSARI, P. - TEMPESTA, E. - CAPITANI, D. - PROIETTI, N. - FRATINI, F. - MECCHI, A. M. Mechano-chemical activation: an ecological safety process in the production of materials to stone conservation. In 2011 INTERNATIONAL CONFERENCE ON GREEN BUILDINGS AND SUSTAINABLE CITIES. ISSN 1877-7058, 2011, vol. 21, p. 1061-1071., WOS

[1.1] SAFARZADEH, M. Sadegh - MOATS, Michael S. - MILLER, Jan D. RECENT TRENDS IN THE PROCESSING OF ENARGITE CONCENTRATES. In MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW. ISSN 0882-7508, 2014, vol. 35, no. 5, p. 283-367., WOS

[1.1] SAIN, S. - PATRA, S. - PRADHAN, S. K. Quickest ever single-step mechanosynthesis of $\text{Cd}_{0.5}\text{Zn}_{0.5}\text{S}$ quantum dots: Nanostructure and optical characterizations. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, APR 2012, vol. 47, no. 4, p. 1062-1072., WOS

[1.1] SALDANA GARCES, R. - TORRES TORRES, J. - FLORES VALDES, A. Synthesis of SrAl_2O_4 and $\text{Sr}_3\text{Al}_2\text{O}_6$ at high temperature, starting from mechanically activated SrCO_3 and Al_2O_3 in blends of 3:1 molar ratio. In CERAMICS INTERNATIONAL. ISSN 0272-8842, MAR 2012, vol. 38, no. 2, p.

889-894., WOS

[1.1] SANDVIK, Knut L. - KLEIV, Rolf A. - HAUG, Tove A. Mechanically activated minerals as a sink for CO₂. In ADVANCED POWDER TECHNOLOGY. ISSN 0921-8831, MAY 2011, vol. 22, no. 3, p. 416-421., WOS

[1.1] SENTHILKUMAAR, Sadasivam - SELVI, Rajamanickam Thamiz - SUBRAMANIAM, Nagarajan Ganapathy - KANG, Tae Won. Facile synthesis and magnetic properties of manganese doped ZnS nanorods. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, JAN 2012, vol. 51, no. 1, p. 73-79., WOS

[1.1] SENTHILKUMAAR, S. - SELVI, R.T. - SUBRAMANIAM, N.G. - KANG, T.W. Facile synthesis and magnetic properties of manganese doped ZnS nanorods. In Superlattices and Microstructures. Vol. 51 (2012), iss. 1, p. 73-79, WOS

[1.1] SETOUDEH, N. - WELHAM, N. J. Carbonitridation of mechanically activated mixtures of zircon and carbon. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, FEB 15 2014, vol. 586, p. 730-735., WOS

[1.1] SETOUDEH, N. - WELHAM, N. J. Mechanochemical reduction of SrSO₄ by Mg. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, MAR 20 2012, vol. 104, p. 49-52., WOS

[1.1] SHAHCHERAGHI, Seyed Hadi - KHAYATI, Gholam Reza. The Effect of Mechanical Activation on Non-isothermal Decomposition Kinetics of Ag₂O-Graphite Mixture. In ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING. ISSN 1319-8025, NOV 2014, vol. 39, no. 11, p. 7503-7512., WOS

[1.1] SHAHRI, M. Golzar - SHAFYEL, A. - SAIDI, A. - ABTAHI, K. Formation of beta-zirconia and gamma-zirconia nano-particles from alpha-zirconia by mechanical activation. In CERAMICS INTERNATIONAL. ISSN 0272-8842, SEP 2014, vol. 40, no. 8, B, p. 13217-13221., WOS

[1.1] TAKACS, Laszlo. The historical development of mechanochemistry. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2013, vol. 42, no. 18, p. 7649-7659., WOS

[1.1] TEHRANI, F. - ABBASI, M. H. - GOLOZAR, M. A. - PANJEPOUR, M. The effect of particle size of iron powder on alpha to gamma transformation in the nanostructured high nitrogen Fe-Cr-Mn-Mo stainless steel produced by mechanical alloying. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, MAY 15 2011, vol. 528, no. 12, p. 3961-3966., WOS

[1.1] TORAMAN, O. Y. Use of Wet Grinding and Aging to Produce Narrow Particle Size Distribution. In PARTICULATE SCIENCE AND TECHNOLOGY. ISSN 0272-6351, 2011, vol. 29, no. 5, p. 475-480., WOS

[1.1] TORAMAN, O. Y. - KATIRCIOGLU, D. Effect of Various Operating Factors on Wet Stirred Mill Performance. In PARTICULATE SCIENCE AND TECHNOLOGY. ISSN 0272-6351, 2011, vol. 29, no. 3, p. 242-251., WOS

[1.1] TUNC, T. - APAYDIN, F. - YILDIZ, K. Effects of Mechanical Activation on the Structure of Nickeliferous Laterite. In Acta Physica Polonica A, Vol. 123 (2013), p. 349-351, WOS

[1.1] VAFAEIAN, S. - AHMADIAN, M. - REZAEI, B. Sulphuric acid leaching of mechanically activated copper sulphidic concentrate. In MINERALS ENGINEERING. ISSN 0892-6875, DEC 2011, vol. 24, no. 15, p. 1713-1716.,

WOS

[1.1] XIANG, Longhua - GAO, Chuanping - WANG, Yanmin - PAN, Zhidong - HU, Dawei. Tribological and tribochemical properties of magnetite nanoflakes as additives in oil lubricants. In *PARTICUOLOGY*. ISSN 1674-2001, DEC 2014, vol. 17, p. 136-144., WOS

[1.1] XUE, Yongjie - WU, Shaopeng - ZHOU, Min. Adsorption characterization of Cu(II) from aqueous solution onto basic oxygen furnace slag. In *CHEMICAL ENGINEERING JOURNAL*. ISSN 1385-8947, SEP 2013, vol. 231, p. 355-364., WOS

[1.1] JLIU, Q.Y. - ZHANG, Y.Q. - LI, H.P. Influence of differential stress on the galvanic interaction of pyrite-chalcopyrite. In *Ionics*, Vol. 19 (2013), p. 77-82., WOS

[1.2] GÖKTAŞ, M. - ŞENER, M. - ERDEMOĞLU, M. Mechanical activation of synthetic wollastonite (CaSiO₃) production. In 23rd International Mining Congress and Exhibition of Turkey, IMCET 2013, Antalya; Turkey, April 16-19 2013, p. 261-266, SCOPUS

[1.2] HARA, Y.S.R. - JHA, A. Carbothermic reduction of Zambian sulphide concentrates in presence of lime. In *Transactions of the Institutions of Mining and Metallurgy, Section C: Mineral Processing and Extractive Metallurgy*, Vol. 122 (2013), p. 146-156, SCOPUS

[1.2] RÁCZ, A. - CSOKE, B. - MOLNÁR, Z. - TOROK, V. - MUCSI, G. - MÁDAI, V. Effect of the grinding circumstances on the mechanical activation of fly ash in stirred media mill. In 27th International Mineral Processing Congress, IMPC 2014, Sheraton Hotel Santiago; Chile, 20 October 2014 through 24 October 2014, Code 112722., SCOPUS

[1.2] RÁCZ, A. - CSOKE, B. - MOLNÁR, Z. - TOROK, V. - MUCSI, G. - MÁDAI, V. Effect of the grinding circumstances on the mechanical activation of fly ash in stirred media mill. In 27th International Mineral Processing Congress, IMPC 2014, Sheraton Hotel Santiago; Chile, 20 - 24 October 2014, Code 112722, SCOPUS

[1.2] TORAMAN, O.Y. Ultra fine grinding of calcite (CaCO₃) power in a vertical stirred mill: Effect of some variables on product fineness (Book Chapter) In *Calcite: Formation, Properties and Applications 2012*, Nova Science Publishers, Inc., ISBN: 978-161470782-0, p. 301-306, SCOPUS

AAA02 BALÁŽ, Peter. *Mechanochemistry in Nanoscience and Minerals Engineering*. Berlín : Springer-Verlag Berlín Heidelberg, 2008. 413 p. ISBN 978-3-540-74854-0. Ohlasy:

[1.1] ADHAMI, Touraj - EBRAHIMI-KAHRIZSANGI, Reza - NASIRI-TABRIZI, Bahman. Mechanochemical synthesis of nanocomposites in TiO₂-B₂O₃-Mg-Al quaternary system. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, JUN 2014, vol. 40, no. 5, p. 7133-7142., WOS

[1.1] ADHAMI, Touraj - NASIRI-TABRIZI, Bahman - EBRAHIMI-KAHRIZSANGI, Reza. Characterization of mechanically alloyed nanocomposites in TiO₂-B₂O₃-Mg-C quaternary system. In *INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS*. ISSN 0263-4368, MAR 2014, vol. 43, p. 227-235., WOS

[1.1] ACHIMOVIČOVÁ, M. - DANEU, N. - ZORKOVSKÁ, A. - FABIÁN, M. The use of de-aggregating agents in ZnSe mechanochemical synthesis. In *Journal of Materials Science-Materials in Electronics*, Vol. 24 (2013),

3686-3693., WOS

[1.1] ALEX, T. C. - KUMAR, Rakesh - ROY, S. K. - MEHROTRA, S. P. Mechanically induced reactivity of gibbsite: Part 1. Planetary milling. In POWDER TECHNOLOGY. ISSN 0032-5910, SEP 2014, vol. 264, p. 105-113., WOS

[1.1] ALEX, T. C. - KUMAR, Rakesh - ROY, S. K. - MEHROTRA, S. P. Mechanically induced reactivity of gibbsite: Part 2. Attrition milling. In POWDER TECHNOLOGY. ISSN 0032-5910, SEP 2014, vol. 264, p. 229-235., WOS

[1.1] ALEX, T.C. - KUMAR, R. - ROY, S.K. - MEHROTRA, S.P. Mechanical activation of AL-Oxyhydroxide minerals - physicochemical changes, reactivity and relevance to Bayer process. Book Editor(s): Suarez, C.E. In Light Metals 2012, Book Series: Light Metals (2012), p. 15-19, WOS

[1.1] APAYDIN, Fatih - YILDIZ, Kenan. INVESTIGATION OF CARBOTHERMAL REDUCTION OF MECHANICALLY ACTIVATED CHROMITE WITH THERMAL ANALYSIS. In METAL 2014: 23RD INTERNATIONAL CONFERENCE ON METALLURGY AND MATERIALS. 2014, p. 1411-1415., WOS

[1.1] APAYDIN, F. - ATASOY, A. - YILDIZ, K. Effect of mechanical activation on carbothermal reduction of chromite with graphite. In Canadian Metallurgical Quarterly, Vol. 50 (2011), Issue 2, 113-118, WOS

[1.1] BAHRAMI-KARKEVANDI, Mojtaba - EBRAHIMI-KAHRIZSANGI, Reza - NASIRI-TABRIZI, Bahman. Formation and stability of tungsten boride nanocomposites in WO₃-B₂O₃-Mg ternary system: Mechanochemical effects. In INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS. ISSN 0263-4368, SEP 2014, vol. 46, p. 117-124., WOS

[1.1] BALAZ, Matej. Eggshell membrane biomaterial as a platform for applications in materials science. In ACTA BIOMATERIALIA. ISSN 1742-7061, SEP 2014, vol. 10, no. 9, SI, p. 3827-3843., WOS

[1.1] BASARAN, Cansu - TOPLAN, Nil - KIRSEVER, Derya - TOPLAN, H. Ozkan. THE EFFECT OF MECHANICAL ACTIVATION ON THE CORDIERITE FORMATION IN B₂O₃ ADDED MAGNESITE WASTE-QUARTZ-KAOLIN-ALUMINA CERAMIC SYSTEM. In METAL 2014: 23RD INTERNATIONAL CONFERENCE ON METALLURGY AND MATERIALS. 2014, p. 1393-1398., WOS

[1.1] BOLDYREVA, E. Mechanochemistry of inorganic and organic systems: what is similar, what is different? In Chemical Society Reviews, Vol. 42 (2013), 7719-7738, WOS

[1.1] BREITENBACH, E.R. - COSTA, C.E. - FOLGUERAS, M.V. - MILAN, J.C.G. -ANTONELLI, R.J. - SILVA, F.C. Mechanical properties of composite AA2024 matrix with aluminium carbide dispersed by high energy milling. Book Editor(s): Salgado, L; Ambrozio, F. In Advanced Power Technology VIII, PTS 1 and 2. Book Series: Materials Science Forum, vol. 727-728 (2012), p. 293-298., WOS

[1.1] COSKUN, S. - GENC, A. - OVECOGLU, M.L. Synthesis of W-3 wt% Mn-2 wt% VC composites by high energy milling and sintering. In Metals and Materials International, Vol. 19 (2013), p. 533-541, WOS

[1.1] DI TORO, G. - HAN, R. - HIROSE, T. - DE PAOLA, N. - NIELSEN, S. - MIZOGUCHI, K. -FERRI, F. - COCCO, M. - SHIMAMOTO, T. Fault lubrication during earthquakes. In Nature, Vol. 471 (2011), Issue 7339, 494,

WOS

- [1.1] DUTKOVA, E. - SAYAGUES, M. J. - REAL, C. - ZORKOVSKA, A. - BALAZ, P. - SATKA, A. - KOVAC, J. - FICERIOVA, J. Mechanochemically Synthesized Nanocrystalline Sb₂S₃ Particles. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, OCT 2014, vol. 126, no. 4, p. 943-946., WOS
- [1.1] DU, G.X. - XUE, Q. - DING, H. - LI, Z.H. Mechanochemical effect of brucite powder in a wet ultrafine grinding process. In Indian Journal of Engineering and Materials Sciences, Vol. 20 (2013), p. 7-13, WOS
- [1.1] EBRAHIMI-KAHRIZSANGI, R. - TORABI, O. Combination of mechanochemical activation and self-propagating behavior for the synthesis of nanocomposite Al₂O₃/B₄C powder. In Journal of Alloys and Compounds, vol. 514 (2012), p. 54-59., WOS
- [1.1] ELMAS, E. - YILDIZ, K. - TOPLAN, N. - TOPLAN, H.O. Effect of mechanical activation on mullite formation in an alumina-quartz ceramics system. In Materiali in Tehnologije, Vol. 47 (2013), p. 413-416., WOS
- [1.1] ELMAS, E. - YILDIZ, K. - TOPLAN, N. - TOPLAN, H.O. The non-isothermal kinetics of mullite formation in mechanically activated kaolinite-alumina ceramic system. In Journal of Thermal Analysis and Calorimetry, vol. 108 (2012), iss. 3, p.1201-1206, WOS
- [1.1] FAHAMI, Abbas - NASIRI-TABRIZI, Bahman. Mechanochemical behavior of CaCO₃-P₂O₅-CaF₂ system to produce carbonated fluorapatite nanopowder. In CERAMICS INTERNATIONAL. ISSN 0272-8842, NOV 2014, vol. 40, no. 9, B, p. 14939-14946., WOS
- [1.1] FAHAMI, Abbas - NASIRI-TABRIZI, Bahman - EBRAHIMI-KAHRIZSANGI, Reza. Effects of composition and milling medium on mechanosynthesis of chlorapatite-alumina composite nanopowders. In CERAMICS INTERNATIONAL. ISSN 0272-8842, SEP 2014, vol. 40, no. 8, A, p. 12265-12272., WOS
- [1.1] FAHAMI, Abbas - NASIRI-TABRIZI, Bahman. Thermally induced crystallization of chlorapatite-ZnO nanocomposite. In MATERIALS LETTERS. ISSN 0167-577X, FEB 15 2014, vol. 117, p. 53-57., WOS
- [1.1] FAHAMI, A. - NASIRI-TABRIZI, B. - EBRAHIMI-KAHRIZSANGI, R. Mechanosynthesis, WOS
- [1.1] FRIČŠIĆ, T. - HALASZ, I. - BELDON, P.J. - BELENGUER, A.M. - ADAMS, F. - KIMBER, S.A.J. - HONKIMÄKI, V. - DINNEBIER, R.E. Real-time and in situ monitoring of mechanochemical milling reactions. In Nature Chemistry, Vol. 5 (2013), p. 145-145, WOS
- [1.1] GOLABGIR, M. H. - EBRAHIMI-KAHRIZSANGI, R. - TORABI, O. - SAATCHI, A. FABRICATION OF OPEN CELL Fe-10% Al FOAM BY SPACE-HOLDER TECHNIQUE. In ARCHIVES OF METALLURGY AND MATERIALS. ISSN 1733-3490, 2014, vol. 59, no. 1, p. 41-45., WOS
- [1.1] HOSEINPUR, Arman - BEZANAJ, Malihe Mohammadi - KHAKI, Jalil Vahdati. The effect of Al₂O₃ and CaO presence on the kinetics of mechanochemical reduction of MoS₂ by Zn. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, FEB 25 2014, vol. 587, p. 646-651., WOS
- [1.1] HOSSEIN-ZADEH, Mohsen - MIRZAEI, Omid. Synthesis and characterization of V₈C₇ nanocrystalline powder by heating milled mixture of V₂O₅, C and Ca via mechanochemical activation. In ADVANCED POWDER TECHNOLOGY. ISSN 0921-8831, MAY 2014, vol. 25, no. 3, p. 978-982., WOS
- [1.1] CHEN, C.X. - HUANG, B.A. - LI, T. - WU, G.F. Preparation of

- phosphoric acid activated carbon from sugarcane bagasse by mechanochemical processing. In *Bioresources*, vol. 7 (2012), iss. 4, p. 5109-5116., WOS
- [1.1] CHEN, D. - LIU, H.Y. - LI, L. One-step synthesis of manganese ferrite nanoparticles by ultrasonic wave-assisted ball milling technology. In *Materials Chemistry and Physics*, vol. 134 (2012), iss. 2-3, p.921-924, WOS
- [1.1] CHEN, D. - LIU, H.Y. - XIA, S.R. One-step decomposition of basic carbonates into single- phase crystalline metallic oxides nanoparticle by ultrasonic wave-assisted ball milling technology. In *Ceramics International*, vol. 38 (2012), iss 1, p. 821-825, WOS
- [1.1] CHEN, D. - LI, L. - WANG, J.H. One-step synthesis of zinc ferrite nanoparticles by ultrasonic wave-assisted ball milling technology. In *Ceramics International*, Vol. 39 (2013), p. 4669-4672, WOS
- [1.1] JONES, William - EDDLESTON, Mark D. Introductory Lecture: Mechanochemistry, a versatile synthesis strategy for new materials. In *FARADAY DISCUSSIONS*. ISSN 1359-6640, 2014, vol. 170, p. 9-34., WOS
- [1.1] KAHANI, Seyed Abolghasem - KHEDMATI, Massumeh. The preparation of nickel nanoparticles through a novel solid-state intramolecular reaction of polynuclear nickel(II) complex. In *JOURNAL OF NANOPARTICLE RESEARCH*. ISSN 1388-0764, JUL 19 2014, vol. 16, no. 8., WOS
- [1.1] KALINKIN, A. M. - NEVEDOMSKII, V. N. - KALINKINA, E. V. - BALYAKIN, K. V. Milling assisted synthesis of calcium zirconate CaZrO_3 . In *SOLID STATE SCIENCES*. ISSN 1293-2558, AUG 2014, vol. 34, p. 91-96., WOS
- [1.1] KALINKIN, A.M. - KALINKINA, E.V. Modelling of the sulfuric acid leaching of mechanically activated titanite. In *Hydrometallurgy*, Vol. 108, Issue 3-4, 189-194, WOS
- [1.1] KALINKIN, A.M. - KUMAR, S. - GUREVICH, B.I. - ALEX, T.C. - KALINKINA, E.V. - TYUKAVKINA, V.V. - KALINNIKOV, V.T. - KUMAR, R. Geopolymerization behavior of Cu- Ni slag mechanically activated in air and in CO_2 atmosphere. In *International Journal of Mineral Processing*, vol. 112 (2012), Special iss. SI, p.101-106, WOS
- [1.1] KAMOLPHOP, U. - TAYLOR, S.F.R. - BREEN, J.P. - BURCH, R. - DELGADO, J.J. - CHANSAI, S. - HARDACRE, C. - HENGRASMEE, S. - JAMES, S.L. Low-Temperature Selective Catalytic Reduction (SCR) of NO_x with n-Octane Using Solvent-Free Mechanochemically Prepared $\text{Ag}/\text{Al}_2\text{O}_3$ Catalysts. In *ACS Catalysis*, Vol. 1 (2011), Issue 10, 1257-1262., WOS
- [1.1] KANG, Y.J. - FEY, T. - GREIL, P. Synthesis of Ti_2SnC MAX Phase by Mechanical Activation and Melt Infiltration . In *Advanced Engineering Materials*, vol. 14 (2012), iss. 1-2, p. 85- 91., WOS
- [1.1] KESIC, Z. - LUKIC, I. - BRKIC, D. - ROGAN, J. - ZDUJIC, M. - LIU, H. - SKALA, D. Mechanochemical preparation and characterization of CaO center dot ZnO used as catalyst for biodiesel synthesis. In *Applied Catalysis A-General*, vol. 427 (2012), p. 58-65, WOS
- [1.1] KHAYATI, G.R. - JANGHORBAN, K. Preparation of nanostructure silver powders by mechanical decomposing and mechanochemical reduction of silver oxide. In *Transactions of Nonferrous Metals Society of China*, Vol. 23 (2013), p. 1520-1524, WOS
- [1.1] KHAYATI, G.R. - JANGHORBAN, K. Thermodynamic approach to synthesis of silver nanocrystalline by mechanical milling silver oxide. In *Transactions of Nonferrous Metals Society of China*, Vol. 23 (2013), p. 543-547,

WOS

[1.1] KITAMURA, M. - MUKOYOSHI, H. - FULTON, P.M. - HIROSE, T. Coal maturation by frictional heat during rapid fault slip. In *Geophysical Research Letters*, vol. 39 (2012), Article Number L16302, WOS

[1.1] KOC, S. - TOPLAN, N. - YILDIZ, K. - TOPLAN, H.O. Effects of mechanical activation on the non-isothermal kinetics of mullite formation from kaolinite. In *Journal of Thermal Analysis and Calorimetry*, Vol. 103 (2011), Issue 3, 791-796, WOS

[1.1] KOSTOVA, Bilyana - PETKOVA, Vilma. Effect of high-energy milling and thermal treatment on the solid-phase reactions in apatite-ammonium sulphate system. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, MAY 2014, vol. 116, no. 2, p. 737-746., WOS

[1.1] KUMAR, S. - GARCIA-TRINANES, P. - TEIXEIRA-PINTO, A. - BAO, M. Development of alkali activated cement from mechanically activated silico-manganese (SiMn) slag. In *Cement & Concrete Composites*, Vol. 40 (2013), p. 7-13., WOS

[1.1] KUMAR, S. - KUMAR, R. Mechanical activation of fly ash: Effect on reaction, structure and properties of resulting geopolymer. In *Ceramics International*, Vol. 37 (2011), Issue 2, 533-541, WOS

[1.1] KUMPROA, Kanatip - NUNTIYA, Apinon - ZHANG, Qiwu - KANO, Junya - SAITO, Fumio. High-purity hydrogen gas production by catalytic thermal decomposition using mechanochemical treatment. In *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*. ISSN 0360-3199, OCT 22 2014, vol. 39, no. 31, p. 17554-17562., WOS

[1.1] KURLOV, A. S. - GUSEV, A. I. Effect of nonstoichiometry of NbCy and TaCy powders on their high-energy ball milling. In *INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS*. ISSN 0263-4368, SEP 2014, vol. 46, p. 125-136., WOS

[1.1] KURLOV, A. S. - GUSEV, A. I. High-energy milling of nonstoichiometric carbides: Effect of nonstoichiometry on particle size of nanopowders. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, JAN 5 2014, vol. 582, p. 108-118., WOS

[1.1] LEHNER, J. - GANCHEV, M. - LOORITS, M. - REVATHI, N. - RAADIK, T. - RAUDOJA, J. - GROSSBERG, M. - MELLIKOV, E. - VOLOBUJEVA, O. Structural and compositional properties of CZTS thin films formed by rapid thermal annealing of electrodeposited layers. In *Journal of Crystal Growth*, Vol. 380 (2013), p. 236-240, WOS

[1.1] LIAN, H.L. - YOU, J.X. - HUANG, Y.N. - LI, Z.Z. Effect of refining on delignification with a laccase/xylanase treatment. In *Bioresources*, vol. 7 (2012), iss. 4, p. 5268-5278, WOS

[1.1] LIAN, H.L. - YOU, J.X. - LIAN, Z.N. Effect of prior mechanical refining on biobleaching of wheat straw pulp with laccase/xylanase Treatment. In *Bioresources*, vol. 7 (2012), iss. 3, p. 3113- 3124., WOS

[1.1] LI, B. - KAYE, S.S. - RILEY, C. - GREENBERG, D. - GALANG, D. - BAILEY, M.S. Hydrogen Storage Materials Discovery via High Throughput Ball Milling and Gas Sorption. In *ACS Combinatorial Science*, vol. 14 (2012), iss. 6, p. 352-358, WOS

[1.1] MANSOUR, Sh. A. - AL-KOTB, M. S. - KOTKATA, M. F. Model-free transformation kinetics for ZnS quantum dots synthesized via

- colloidal reaction. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, JAN 15 2014, vol. 433, p. 127-132., WOS
- [1.1] MARATKANOVA, A.N. - SYUGAEV, A.V. - SHAKOV, A.A. - VILKOV, O.Y. -LOMAYEVA, S.F. Thin Organic Layers Grown on the Surface of Iron Particles under High-Energy Ball Milling in the Presence of Polystyrene and Various Surfactants: X-ray Absorption and Photoelectron Spectroscopy Studies. In Journal of Physical Chemistry C, vol. 116 (2012), iss. 26, p.14005-14013, WOS
- [1.1] MARATKANOVA, Alena N. - VALEEV, Rishat G. - SYUGAEV, Alexander V. Local structure of core/shell nanocrystalline particles produced by surfactant-assisted ball milling of Fe powder in paraffin. In JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS. ISSN 0022-3697, MAR 2014, vol. 75, no. 3, p. 433-440., WOS
- [1.1] MERIE, Violeta - PUSTAN, Marius - BIRLEANU, Corina - CANDEA, Viorel - POPA, Catalin. Tribological and micro/nano-structural characterization of some Fe-based sintered composites. In INTERNATIONAL JOURNAL OF MATERIALS RESEARCH. ISSN 1862-5282, AUG 2014, vol. 105, no. 8, p. 786-792., WOS
- [1.1] MITROVIC, Aleksandra - ZDUJIC, Miodrag. Preparation of pozzolanic addition by mechanical treatment of kaolin clay. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, NOV 10 2014, vol. 132, p. 59-66., WOS
- [1.1] MITROVIC, A. - ZDUJIC, M. Mechanochemical treatment of Serbian kaolin clay to obtain a highly reactive pozzolana. In Journal of the Serbian Chemical Society, Vol. 78 (2013), p. 579-59, WOS
- [1.1] MOHAMMADNEJAD, Sima - PROVIS, John L. - VAN DEVENTER, Jannie S. J. The effect of grinding mechanism on the preg-robbing of gold onto quartz. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, APR 10 2014, vol. 128, p. 1-5., WOS
- [1.1] MOHAMMADNEJAD, S. - PROVIS, J.L. - VAN DEVENTER, J.S.J. Effects of grinding on the preg-robbing potential of quartz in an acidic chloride medium. In Minerals Engineering, Vol. 52 (2013), p. 31-37., WOS
- [1.1] Multi-cycle recovery of lactoferrin and lactoperoxidase from crude whey using fimbriated high- capacity magnetic cation exchangers and a novel "rotorstator" high-gradient magnetic separator. In Biotechnology and Bioengineering, Vol. 110 (2013), 1714-1725., WOS
- [1.1] NASIRI-TABRIZI, Bahman - EBRAHIMI-KAHRIZSANGI, Reza - BAHRAMI-KARKEVANDI, Mojtaba. Effect of excess boron oxide on the formation of tungsten boride nanocomposites by mechanically induced self-sustaining reaction. In CERAMICS INTERNATIONAL. ISSN 0272-8842, NOV 2014, vol. 40, no. 9, A, p. 14235-14246., WOS
- [1.1] NASIRI-TABRIZI, Bahman - FAHAMI, Abbas. Production of poorly crystalline tricalcium phosphate nanopowders using different mechanochemical reactions. In JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY. ISSN 1226-086X, JUL 25 2014, vol. 20, no. 4, p. 1236-1242., WOS
- [1.1] NASIRI-TABRIZI, Bahman - FAHAMI, Abbas. Thermally induced crystallization of mechanosynthesized chlorapatite-titania composite nanopowders. In CERAMICS INTERNATIONAL. ISSN 0272-8842, JUL 2014, vol. 40, no. 6, p. 8201-8210., WOS

- [1.1] NASIRI-TABRIZI, Bahman - ADHAMI, Touraj - EBRAHIMI-KAHRIZSANGI, Reza. Effect of processing parameters on the formation of TiB₂ nanopowder by mechanically induced self-sustaining reaction. In CERAMICS INTERNATIONAL. ISSN 0272-8842, JUN 2014, vol. 40, no. 5, p. 7345-7354., WOS
- [1.1] NASIRI-TABRIZI, Bahman - FAHAMI, Abbas. Synthesis and characterization of chlorapatite-ZnO composite nanopowders. In CERAMICS INTERNATIONAL. ISSN 0272-8842, MAR 2014, vol. 40, no. 2, p. 2697-2706., WOS
- [1.1] NASIRI-TABRIZI, B. - FAHAMI, A. Reaction mechanisms of synthesis and decomposition of fluorapatite-zirconia composite nanopowders. In Ceramics International, Vol. 39 (2013), p. 5125- 5136., WOS
- [1.1] NIKKHAH, Amir Javad - TORABI, Omid - EBRAHIMI-KAKIZSANGI, Reza - NAGHIBI, Sanaz - JAMSHIDI, Amin. Investigation on mechanochemical synthesis of Al₂O₃/BN nanocomposite by aluminothermic reaction. In CERAMICS INTERNATIONAL. ISSN 0272-8842, MAY 2014, vol. 40, no. 4, p. 5559-5566., WOS
- [1.1] OU, Zhiyuan - LI, Jinhui. Synergism of mechanical activation and sulfurization to recover copper from waste printed circuit boards. In RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 94, p. 51970-51976., WOS
- [1.1] POSUDIEVSKY, O.Y. - KOZARENKO, O.A. - DYADYUN, V.S. - JORGENSEN, S.W. - SPEAROT, J.A. - KOSHECHKO, V.G. - POKHODENKO, V.D. Characteristics of mechanochemically prepared host-guest hybrid nanocomposites of vanadium oxide and conducting polymers. In Journal of Power Sources, Vol. 196 (2011), Issue 6, 3331-3341, WOS
- [1.1] PROKOF'EV, V.Y. - GORDINA, N.E. - ZHIDKOVA, A.B. - EFREMOV, A.M. Mechanochemical synthesis of granulated LTA zeolite from metakaolin. In Journal of Materials Science, vol. 47 (2012), iss. 14, p. 5385-5392, WOS
- [1.1] PROKOF'EV, V. Yu. - ROT, R. I. - SMIRNOV, N. N. - KUKULINA, N. A. - KUL'PINA, Yu. N. - GORDINA, N. E. Study of the Nonisothermal Decomposition Kinetics of the Zn₄CO₃(OH)(6)/Al(OH)(3) System. In RUSSIAN JOURNAL OF APPLIED CHEMISTRY. ISSN 1070-4272, NOV 2014, vol. 87, no. 11, p. 1619-1624., WOS
- [1.1] PROKOF'EV, V. Yu. - GORDINA, N. E. Preparation of granulated LTA and SOD zeolites from mechanically activated mixtures of metakaolin and sodium hydroxide. In APPLIED CLAY SCIENCE. ISSN 0169-1317, NOV 2014, vol. 101, p. 44-51., WOS
- [1.1] PROKOF'EV, V. Yu. - GORDINA, N. E. Natural Mechanisms of Mechanochemical Interactions in Oxide Powders. In GLASS AND CERAMICS. ISSN 0361-7610, MAY 2014, vol. 71, no. 1-2, p. 10-14., WOS
- [1.1] PROKOF'EV, V.Y. - GORDINA, N.E. A study of thermal treatment and hydrothermal crystallization stages in production of granulated NaA zeolite from mechanically activated metakaolin. In Russian Journal of Applied Chemistry, Vol. 86 (2013), p. 332-338, WOS
- [1.1] PROKOF'EV, V.Y. - GORDINA, N.E. - EFREMOV, A.M. Synthesis of type A zeolite from mechanoactivated metakaolin mixtures. In Journal of Materials Science, Vol. 48 (2013), p. 6276- 6285., WOS
- [1.1] PROKOF'EV, V.Y. - GORDINA, N.E. Comminution and mechanochemical activation in oxide ceramics technology (review). In Glass and

Ceramics, vol. 69 (2012), iss. 1-2, p. 65-70, WOS

[1.1] PROKOF'EV, V.Y. - TANYGIN, A.V. - GORDINA, N.E. - ZABRODINA, N.A. Aluminum-calcium based three-component systems with addition of zinc and magnesium compounds for absorption of the hydrochloric acid vapor. In Russian Journal of Applied Chemistry, Vol. 86 (2013), p. 1022-1028, WOS

[1.1] RAK, Monika J. - SAADE, Nadim K. - FRISCIC, Tomislav - MOORES, Audrey. Mechanochemical synthesis of ultra-small monodisperse amine-stabilized gold nanoparticles with controllable size. In GREEN CHEMISTRY. ISSN 1463-9262, 2014, vol. 16, no. 1, p. 86-89., WOS

[1.1] RALPHS, Kathryn - D'AGOSTINO, Carmine - BURCH, Robbie - CHANSAI, Sarayute - GLADDEN, Lynn F. - HARDACRE, Christopher - JAMES, Stuart L. - MITCHELL, Jonathan - TAYLOR, Sarah F. R. Assessing the surface modifications following the mechanochemical preparation of a Ag/Al₂O₃ selective catalytic reduction catalyst. In CATALYSIS SCIENCE & TECHNOLOGY. ISSN 2044-4753, 2014, vol. 4, no. 2, p. 531-539., WOS

[1.1] RALPHS, K. - HARDACRE, C. - JAMES, S.L. Application of heterogeneous catalysts prepared by mechanochemical synthesis. In Chemical Society Reviews, Vol. 42 (2013), p. 7701- 7718., WOS

[1.1] RAVALICO, F. - JAMES, S.L. - VYLE, J.S. Synthesis of nucleoside analogues in a ball mill: fast, chemoselective and high yielding acylation without undesirable solvents. In Green Chemistry, Vol. 13 (2011), Issue 7, 1778-1783, WOS

[1.1] RAVALICO, F. - MESSINA, I. - BERBERIAN, M.V. - JAMES, S.L. - MIGAUD, M.E. - VYLE, J.S. Rapid synthesis of nucleotide pyrophosphate linkages in a ball mill. In Organic & Biomolecular Chemistry, Vol. 9 (2011), Issue 19, 6496-6497, WOS

[1.1] RAZAVI, M. - RAHIMIPOUR, M.R. - YAZDANI-RAD, R. Synthesis of Fe-WC nanocomposite from industrial ferrotungsten via mechanical alloying method. In Advances in Applied Ceramics, Vol. 110 (2011), Issue 6, 367-374, WOS

[1.1] SARASWATI, T.E. - OGINO, A. - NAGATSU, M. Plasma-activated immobilization of biomolecules onto graphite-encapsulated magnetic nanoparticles. In Carbon, vol. 50 (2012), iss. 3, p.1253-1261, WOS

[1.1] SAYYAH, M. - LU, Y.Q. - MASEL, R.I. - SUSLICK, K.S. Mechanical Activation of CaO-Based Adsorbents for CO₂ Capture. In Chemsuschem, Vol. 6 (2013), p. 193-198., WOS

[1.1] SEPELAK, V. - BEGIN-COLIN, S. - LE CAER, G. Transformations in oxides induced by high-energy ball-milling In Dalton Transactions, vol. 41 (2012), iss. 39, p.11927-11948, WOS

[1.1] SCHMIDT, R. - THORWIRTH, R. - SZUPPA, T. - STOLLE, A. - ONDRUSCHKA, B. -HOPF, H. Fast, Ligand- and Solvent-Free Synthesis of 1,4-Substituted Buta-1,3-diynes by Cu- Catalyzed Homocoupling of Terminal Alkynes in a Ball Mill. In Chemistry-A European Journal, Vol. 17 (2011), Issue 29, 8129-8138, WOS

[1.1] STEFANIC, G. - KREHULA, S. - STEFANIC, I. The high impact of a milling atmosphere on steel contamination. In Chemical Communications, Vol. 49 (2013), 9245-9247, WOS

[1.1] STOLLE, Achim - SCHMIDT, Robert - JACOB, Katharina. Scale-up of organic reactions in ball mills: process intensification with regard to energy

- efficiency and economy of scale. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 267-286., WOS
- [1.1] STOLLE, A. - SZUPPA, T. - LEONHARDT, S.E.S. - ONDRUSCHKA, B. Ball milling in organic synthesis: solutions and challenges. In Chemical Society Reviews, Vol. 40 (2011), Issue 5, 2317-2329, WOS
- [1.1] SURYANARAYANA, C. - AL-AQEELI, N. Mechanically alloyed nanocomposites. In Progress in Materials Science, Vol. 58 (2013), p. 383-502, WOS
- [1.1] SURYANARAYANA, C. - IVANOV, E. Mechanochemical synthesis of nanocrystalline metal powders. Woodhead Publ Ltd, Cambridge (2013), 42-68 p, WOS
- [1.1] SUSLICK, Kenneth S. Mechanochemistry and sonochemistry: concluding remarks. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 411-422., WOS
- [1.1] ŠEPELÁK, V. - DÜVEL, A. - WILKENING, M. - BECKER, K.D. - HEITJANS, P. Mechanochemical reactions and syntheses of oxides. In Chemical Society Reviews, Vol. 42 (2013), p. 7507-7520., WOS
- [1.1] TAKACS, L. The historical development of mechanochemistry. In Chemical Society Reviews, Vol. 42 (2013), p. 7649-7659., WOS
- [1.1] TAKACS, L. What Is Unique About Mechanochemical Reactions?. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, OCT 2014, vol. 126, no. 4, p. 1040-1043., WOS
- [1.1] TONSUAADU, K. - KALJUVEE, T. - PETKOVA, V. - TRAKSMAA, R. - BENDER, V. - KIRSIMAE, K. Impact of mechanical activation on physical and chemical properties of phosphorite concentrates. In International Journal of Mineral Processing, Vol. 100 (2011), Issue 3-4, 104-109, WOS
- [1.1] TORABI, O. - EBRAHIMI-KAHRIZSANGI, R. Synthesis of B₄C, Al₂O₃, and AlB₁₂ reinforced Al matrix nano composites via mechanochemical method. In Journal of Composite Materials, vol. 46, (2012), iss. 18, p. 2227-2237., WOS
- [1.1] TORABI, Omid - GOLABGIR, Mohammad Hossein - TAJIZADEGAN, Hamid - TORABI, Hamid. A study on mechanochemical behavior of MoO₃-Mg-C to synthesize molybdenum carbide. In INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS. ISSN 0263-4368, NOV 2014, vol. 47, p. 18-24., WOS
- [1.1] TORABI, Omid - GOLABGIR, Mohammad Hossein - TAJIZADEGAN, Hamid - NAGHIBI, Sanaz - JAMSHIDI, Amin. Investigation of the mechanochemical behavior of the Mg-TiO₂-H₃BO₃ system. In INTERNATIONAL JOURNAL OF MATERIALS RESEARCH. ISSN 1862-5282, AUG 2014, vol. 105, no. 8, p. 778-785., WOS
- [1.1] TORABI, O. - EBRAHIMI-KAHRIZSANGI, R. Sintering Behavior of Al/B₄C-AlB₁₂-Al₂O₃ Nanostructure Composite Synthesized by In Situ Processing Method. In Journal of Materials Engineering and Performance, Vol. 22 (2013), p. 1405-1411., WOS
- [1.1] TORABI, O. - EBRAHIMI-KAHRIZSANGI, R. Effect of the aluminum content on the mechanochemical behavior in ternary system Al-B₂O₃-C. In International Journal of Refractory Metals & Hard Materials, Vol. 36 (2013), p. 90-96, WOS
- [1.1] TROEBS, L. - EMMERLING, F. Mechanochemical synthesis and

- characterisation of cocrystals and metal organic compounds. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 109-119., WOS
- [1.1] TUNC, Tugba - APAYDIN, Fatih - YILDIZ, Kenan. Structural alterations and thermal behaviour of mechanically activated alunite ore. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, NOV 2014, vol. 118, no. 2, p. 883-889., WOS
- [1.1] TUNC, Tugba - DEMIRKIRAN, A. Sukran. The effects of mechanical activation on the sintering and microstructural properties of cordierite produced from natural zeolite. In POWDER TECHNOLOGY. ISSN 0032-5910, JUL 2014, vol. 260, p. 7-14., WOS
- [1.1] TUNC, T. - YILDIZ, K. Structural Alterations in Mechanically Activated Malachite. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, FEB 2014, vol. 125, no. 2, p. 177-179., WOS
- [1.1] TURIANICOVA, E. - OBUT, A. - TUCEK, E. - ZORKOVSKA, A. - GIRGIN, I. - BALAZ, P. - NEMETH, Z. - MATIK, M. - KUPKA, D. Interaction of natural and thermally processed vermiculites with gaseous carbon dioxide during mechanical activation. In APPLIED CLAY SCIENCE. ISSN 0169-1317, FEB 2014, vol. 88-89, p. 86-91., WOS
- [1.1] TYLISZCZAK, Bozena - GACA, Katarzyna Z. - SOBCZAK-KUPIEC, Agnieszka - DULIAN, Piotr. Mechanochemical synthesis and investigations of calcium titanate powders and their acrylic dispersions. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, SEP 2014, vol. 34, no. 10, p. 2259-2264., WOS
- [1.1] URAKAEV, F.K. Mechanochemical synthesis of nanoparticles by a dilution method: determination of the particle mixing coefficient in a ball mill. In Mendelevov Communications, vol. 22 (2012), iss. 4, p. 215-217, WOS
- [1.1] WALL, Clemens - POHL, Alexander - KNAPP, Michael - HAHN, Horst - FICHTNER, Maximilian. Production of nanocrystalline lithium fluoride by planetary ball-milling. In POWDER TECHNOLOGY. ISSN 0032-5910, SEP 2014, vol. 264, p. 409-417., WOS
- [1.1] WIECZOREK-CIUROWA, K. - DULIAN, P. - BAK, W. - KAJTOCH, C. High-energy ball milling as a green chemistry method for modification of CaTiO₃ electrical properties. In Przemysl Chemiczny, Vol. 90 (2011), Issue 7, 1400-1403, WOS
- [1.1] WILSON, K. C. - MANIKANDAN, E. - AHAMED, M. Basheer - MWAKIKUNGA, B. W. Nanocauliflower like structure of CdS thin film for solar cell photovoltaic applications: In situ tin doping by chemical bath deposition technique. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, FEB 5 2014, vol. 585, p. 555-560., WOS
- [1.1] YAGHOUBI, Mohammad - TORABI, Omid. Effect of the magnesium content on the mechanochemical behavior in ternary system Mg-B₂O₃-C. In INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS. ISSN 0263-4368, MAR 2014, vol. 43, p. 132-140., WOS
- [1.1] YAGHOUBI, M. - SAIDI, A. - TORABI, O. In situ synthesis of Fe(Co)/TiC composite by self-propagating high temperature and mechanochemical methods. In Powder Metallurgy, Vol. 56 (2013), p. 164-169., WOS
- [1.1] YAMANAKA, S. - SUZUMA, A. - FUJIMOTO, T. - KUGA, Y. Production of scallop shell nanoparticles by mechanical grinding as a formaldehyde adsorbent. In Journal of Nanoparticle Research, Vol. 15 (2013),

Issue 4, Article Number: 1573., WOS

[1.1] YILMAZ, Volkan Murat - APAYDIN, Fatih. Effect of mechanical activation on manganese extraction from manganese carbonate ore in acidic media. In INDIAN JOURNAL OF CHEMICAL TECHNOLOGY. ISSN 0971-457X, MAY 2014, vol. 21, no. 3, p. 215-219., WOS

[1.1] YUAN, W.Y. - LI, J.H. - ZHANG, Q.W. - SAITO, F. - YANG, B. Lead recovery from cathode ray tube funnel glass with mechanical activation. In Journal of the Air & Waste Management Association, Vol. 63 (2013), p. 2-10., WOS

[1.1] YUAN, Wenyi - SOLIHIN - ZHANG, Qiwu - KANO, Junya - SAITO, Fumio. Mechanochemical formation of K-Si-Ca-O compound as a slow-release fertilizer. In POWDER TECHNOLOGY. ISSN 0032-5910, JUL 2014, vol. 260, p. 22-26., WOS

[1.1] YUAN, W.Y. - LI, J.H. - ZHANG, Q.W. - SAITO, F. Innovated Application of Mechanical Activation To Separate Lead from Scrap Cathode Ray Tube Funnel Glass. In Environmental Science & Technology, vol. 46 (2012), iss. 7, p. 4109-4114., WOS

[1.1] ZHANG, Q.W. - SAITO, F. A review on mechanochemical syntheses of functional materials. In Advanced Powder Technology, vol. 23, (2012), iss. 5, p. 523-531, WOS

[1.1] ZHANG, Q.W. - SAITO, F. A review on mechanochemical syntheses of functional materials. In Advanced Powder Technology, vol. 23, (2012), iss. 5, p. 523-531, WOS

[1.1] ZHOLUDEV, S. I. - KISELEVA, T. Yu. Mossbauer study of new functional metal/polymer nanocomposites with spatially oriented FeGa particles. In HYPERFINE INTERACTIONS. ISSN 0304-3843, APR 2014, vol. 226, no. 1-3, p. 375-382., WOS

[1.1] NASIRI-TABRIZI, B. - FAHAMI, A. - EBRAHIMI-KAHRIZSANGI, R. - KHAZRAEI, A. - YAZDANI, M.R. - KAJBAFZADEH, M.J. A study on mechanochemical behavior of CaO-P2O5-CaF2-ZrO2 system to produce fluorapatite-zirconia composite nanopowders. In Powder Technology, Vol. 243 (2013), p. 59-70., WOS

[1.1] PEREJÓN, A. - MURAFÁ, N. - SÁNCHEZ-JIMÉNEZ, P.E. - CRIADO, J.M. - ŠUBRT, J. - DIÁNEZ, M.J. - PÉREZ-MAQUEDA, L.A. Direct mechanosynthesis of pure BiFeO3 perovskite nanoparticles: reaction mechanism. In Journal of Materials Chemistry C, Vol. 1 (2013), p. 3551- 3562., WOS

[1.2] ALEX, T. - KUMAR, R. - MEHROTRA, S. Mechanical activation of materials: Recent findings and open questions. In IMPC 2014 - 27th International Mineral Processing Congress, Sheraton Hotel Santiago; Chile, 20 October 2014 through 24 October 201, Code 112722., SCOPUS

[1.2] KALINKIN, A. M. - NEVEDOMSKII, V. N. - KALINKINA, E. V. - BALYAKIN, K. V. Milling assisted synthesis of calcium zirconate CaZrO3. In Solid State Sciences. ISSN 12932558, 2014-01-01, 34, pp. 91-96., SCOPUS

[1.2] LU, Q.A. - HUANG, B. - TANG, L. - LI, T. - CHEN, Y. - CHEN, X. Preparation and characterization of starch nanoparticles by mechanochemistry. In Journal of the Chinese Cereals and Oils Association, vol. 29 (2014), p. 24-29., SCOPUS

[1.2] SURYANARAYANA, C. - IVANOV, E. Mechanochemical synthesis of nanocrystalline metal powders (Book Chapter). In Advances in Powder

- Metallurgy: Properties, Processing and Applications (Chang, I., Zhao, Y.), Elsevier Inc., ISBN: 978-085709420-9, August 2013, p. 42-68., SCOPUS
- [1.2] VAN DEVENTER, J. A crystal ball vision of innovation in mineral processing. In IMPC 2014 - 27th International Mineral Processing Congress, Sheraton Hotel Santiago; Chile, 20 October 2014 through 24 October 2014, Code 112722, SCOPUS
- [1.2] WIECZOREK-CIUROWA, K. Mechanochemical synthesis of metallic-ceramic composite powders. In. Ceramic Nanocomposites. Woodhead Publishing Limited, Abington Hall, Abington Cambridge CB1 6AH, England (2013), p. 399-430, SCOPUS
- [3.1] ALANKO, G.A. Thermodynamics and reaction kinetics during mechanochemical synthesis and environmental testing of lanthanide and actinide refractory materials. A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Materials Science and Engineering Boise State University, May 2014, Boise, Idaho, 139 p.
- [3.1] HAGHIGHI POUDEH, L. High Energy Milling and Spray Drying Characteristics of MoO₃, Cr₂O₃ and WO₃ Powders. M.Sc. Thesis. Istanbul Technical University - Graduate School of Science, Engineering and Technology, Department of Metallurgical and Materials Engineering, Ceramics Engineering Programme, January 2014, 85 p
- [3.1] LIGIOS, G. Sistemi e dispositivi meccanici applicati a processi fisici e chimici. Dottorato Di Ricerca (Doctoral Thesis), Settore/i scientifico disciplinari di afferenza, ING-IND/14 - Progettazione Meccanica e Costruzione di Macchine, Esame finale anno accademico 2012 - 2013, Università degli Studi di Cagliari, Dipartimento di Ingegneria meccanica, chimica e dei materiali, May 2014, 91 p.
- [3.1] MARÍN, R.A.S - LUÉVANOS, A.M. - CASTRO, M.E.S. - ZENDEJO, F.R.S. - BRIONES, A.N. Mecanosíntesis: una ruta alternativa para la obtención de óxidos sólidos con aplicación como cátodos en celdas de combustible. In (Universidad Autónoma de Coahuila, Coordinación General de Estudios de Posgrado e Investigación CGEPI, Saltillo, Coahuila, México) CienciAcierta, Julio - Septiembre de 2013, núm. 35, Año 9, 17-19

AAA03 FEČKO, Peter - KUŠNIEROVÁ, Mária - RÁCLAVSKÁ, H. - ČABLÍK, Vladimír - LYČKOVÁ, B. *Fly Ash*. 191s.

Ohlasy:

- [1.1] JOVANOVIĆ, I. - BUGARINOVIC, S. - UROSEVIC, D. - OBRADOVIC, L. -MAGDALINOVIC, S. Characteristics of portland cement containing fly ash treated by different physical methods. In Revista Romana De Materiale - Romanian Journal of Materials, Vol. 43 (2013), Issue 3, 263-268., WOS

AAA04 FEČKO, Peter - KUŠNIEROVÁ, Mária - LYČKOVÁ, B. - ČABLÍK, Vladimír - FARKAŠOVSKÁ, A. *Popílky*. Ostrava : Vysoká škola báňská - Technická univerzita Ostrava, 2003. ISBN 80-248-0327-5.

Ohlasy:

- [1.1] DANEK, T. - THOMAS, J. - JELINEK, J. - MALIS, J. Porosity and Permeability Analysis of Sludge Stabilised with Fly Coal Ash and Portland Cement. In Applied Materials and Electronics Engineering, PTS 1-2 (eds. Gan, B., Gan, Y., Yu, Y.) Book Series: Advanced Materials Research, Vol. 378-379 (2012), 389-392, WOS

- [1.1] KRATOCHVILE, L. - SACHOVA, H. - KOLISKO, J. Development of High Volume Fly Ash Concrete (HVFA) in Czech Republic. In 3rd International Conference on Civil Engineering, Architecture and Building Materials (CEABM 2013), Jinan, PR China, MAY 24-26, 2013 (eds. Hou, H., Tian, L), Architecture, Building Materials And Engineering Management, PTS 1-4, Book Series: Applied Mechanics and Materials, Vol. 357-360 (2013), 1012-1018., WOS
- [1.2] JAROSÍNSKI, A. Mineral and chemical composition of fly ashes deriving from Co- combustion of biomass with coal and its application. In Inżynieria Mineralna - Journal of the Polish Mineral Engineering Society, Vol. 14 (2013), Issue 2, p. 141-148, SCOPUS
- [1.2] MICHALÍKOVÁ, F. - BREZÁNI, I. - SISOL, M. - STEHLIKOVÁ, B. - ŠKVARLA, J. Properties of black and brown coal combustion products and possibilities of their use. In Inżynieria Mineralna - Journal of the Polish Mineral Engineering Society, Vol. 14 (2013), No. 2, 7-14, SCOPUS
- [1.2] MICHALÍKOVÁ, F. - BREZÁNI, I. - SISOL, M. - DRABOVÁ, M. - MOSEJ, J. Properties of fluid ashes and their utilizability. In Inżynieria Mineralna - Journal of the Polish Mineral Engineering Society, Vol. 14 (2013), No. 2, 99-104, SCOPUS

AAA05 KUŠNIEROVÁ, Mária - FEČKO, Peter. *Mineral biotechnologies I. in mining and treatment of sulphidic deposits : Minerálne biotechnológie I. v ťažbe a úprave sulfidických ložísk*. Vysoká škola báňská - Technická univerzita, Ostrava. 143p. ISSN 8024800233.

Ohlasy:

- [1.1] PETRILÁKOVÁ, A. - BÁLINTOVÁ, M. Utilization of Sorbents for Heavy Metals Removal from Acid Mine Drainage. In Proceedings of the 14th International Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction Location: Florence, Italy, May 08-11, 2011, Book Series: Chemical Engineering Transactions (eds. Klemes, J.J., Varbanov, P.S., Lam, H.L.), Vol. 25, 339-344, WOS
- [1.1] VOJTKOVA, H. - JANDACKA, P. - KOLICOVA, P. - SIMKOVA, L. Utilization of a magnetic field to study the activity of acidithiobacillus ferrooxidans from mine water. In Modern Management of Mine Producing, Geology and Environmental Protection: proceedings from 11th International Multidisciplinary Scientific GeoConference ,VOL III, (Albena: 20-25 June 2011). Eds. N., Sabotinov, M., Mazhdrakov. - Albena (Bulgaria): SGEM, 2011, 11-16. ISSN 1314-2704, WOS

AAA06 LUPTÁKOVÁ, Alena - KUŠNIEROVÁ, Mária - FEČKO, Peter. *Minerálne biotechnológie II., sulfuretum v prírode a v priemysle*. VŠB – Technická univerzita Ostrava. 152s. Preložené pod názvom: 80-248-0114-0.

Ohlasy:

- [1.1] FOJT, L. - VETTERL, V. Electrochemical Evaluation of Extremely-Low Frequency Magnetic Field Effects on Sulphate-Reducing Bacteria. In Folia Biologica, Vol. 58 (2012), Issue 1, 44-48, WOS
- [4] JENČÁROVÁ, Jana. *Príprava a aplikácia sorbentov ťažkých kovov pre čistenie priemyselných odpadových vôd*. Košice, 28.6.2011. 115s. Ústav geotechniky v Košiciach

AAA07 TKÁČOVÁ, Klára. *Mechanical activation of minerals*. Tkáčová Klára. 170s. Elsevier, Amsterdam.

Ohlasy:

[1.1] ACHIMOVICOVA, Marcela - BALAZ, Peter - DURISIN, Juraj - DANEU, Nina - KOVAC, Juraj - SATKA, Alexander - FELDHOFF, Armin - GOCK, Eberhard. Mechanochemical synthesis of nanocrystalline lead selenide: industrial approach. In INTERNATIONAL JOURNAL OF MATERIALS RESEARCH. ISSN 1862-5282, APR 2011, vol. 102, no. 4, p. 441-445., WOS

[1.1] ALEX, T. C. - KUMAR, Rakesh - ROY, S. K. - MEHROTRA, S. P. MECHANICAL ACTIVATION OF AL-OXYHYDROXIDE MINERALS - PHYSICOCHEMICAL CHANGES, REACTIVITY AND RELEVANCE TO BAYER PROCESS. In LIGHT METALS 2012. ISSN 0147-0809, 2012, p. 15-19., WOS

[1.1] ALEX, T. C. - KUMAR, Rakesh - ROY, S. K. - MEHROTRA, S. P. Anomalous reduction in surface area during mechanical activation of boehmite synthesized by thermal decomposition of gibbsite. In POWDER TECHNOLOGY. ISSN 0032-5910, MAR 10 2011, vol. 208, no. 1, p. 128-136., WOS

[1.1] ALEX, T.C. - KUMAR, R. - ROY, S.K. - MEHROTRA, S.P. Mechanically induced reactivity of gibbsite: Part 2. Attrition milling. In Powder Technology, vol. 264 (2014), p. 229-235, WOS

[1.1] ANDRIC, Ljubisa - TERZIC, Anja - ACIMOVIC-PAVLOVIC, Zagorka - PAVLOVIC, Ljubica - PETROV, Milan. Comparative kinetic study of mechanical activation process of mica and talc for industrial application. In COMPOSITES PART B-ENGINEERING. ISSN 1359-8368, MAR 2014, vol. 59, p. 181-190., WOS

[1.1] BAIG, R. B. Nasir - VARMA, Rajender S. Alternative energy input: mechanochemical, microwave and ultrasound-assisted organic synthesis. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2012, vol. 41, no. 4, p. 1559-1584., WOS

[1.1] BALAZ, Peter - DUTKOVA, Erika - SATKA, Alexander - KOVAC, Jaroslav. Particle properties and their modification in mechanically activated realgar As₄S₄. In ACTA MONTANISTICA SLOVACA. ISSN 1335-1788, 2011, vol. 16, no. 2, p. 149-153., WOS

[1.1] BALAZ, Peter - NGUYEN, Anh V. - FABIAN, Martin - CHOLUJOVA, Danka - PASTOREK, Michal - SEDLAK, Jan - BUJNAKOVA, Zdenka. Properties of arsenic sulphide As₄S₄ nanoparticles prepared by high-energy milling. In POWDER TECHNOLOGY. ISSN 0032-5910, AUG 10 2011, vol. 211, no. 2-3, p. 232-236., WOS

[1.1] BALÁŽ, P. - ACHIMOVIČOVÁ, M. - BALÁŽ, M. - BILLIK, P. - CHERKEZOVA- ZHELEVA, Z. - CRAIDO, J.M. - DELOGU, F. - DUTKOVÁ, E. - GAFFET, E. - GOTOR, F.J. - KUMAR, R. - MITOV, I. - ROJAC, T. - SENNA, M. - STRELETSKII, A. - WIECZOREK-CIUROWA, K. Hallmarks of mechanochemistry: from nanoparticles to technology. In Chemical Society Reviews, 2013, vol. 42, 7571-7637., WOS

[1.1] BOLDYREVA, E. Mechanochemistry of inorganic and organic systems: what is similar, what is different? In Chemical Society Reviews, Vol. 42 (2013), Issue 18, 7719-7738., WOS

[1.1] ELMAS, Eda - YILDIZ, Kenan - TOPLAN, Nil - TOPLAN, H. Ozkan. The non-isothermal kinetics of mullite formation in mechanically activated

kaolinite-alumina ceramic system. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, JUN 2012, vol. 108, no. 3, p. 1201-1206., WOS

[1.1] ERDEMOGLU, Murat - BALAZ, Peter. AN OVERVIEW OF SURFACE ANALYSIS TECHNIQUES FOR CHARACTERIZATION OF MECHANICALLY ACTIVATED MINERALS. In MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW. ISSN 0882-7508, 2012, vol. 33, no. 1, p. 65-88., WOS

[1.1] ERMOLOVICH, E.A. Alteration in amorphicity of quartz structures during grinding of ferrous quartzites. In Journal of Mining Science, Vol. 47 (2011), Issue 4, 531-537, WOS

[1.1] FICERIOVA, Jana - BALAZ, Peter. Electrolysis of Gold from Filtration Waste by Means of Mechanical Activation. In ACTA MONTANISTICA SLOVACA. ISSN 1335-1788, 2012, vol. 17, no. 2, p. 132-136., WOS

[1.1] HASHEMZADEHFINI, Mohsen - FICERIOVA, Jana - ABKHOSHK, Emad - SHAHRAKI, Behrouz Karimi. Effect of mechanical activation on thiosulfate leaching of gold from complex sulfide concentrate. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, DEC 2011, vol. 21, no. 12, p. 2744-2751., WOS

[1.1] HAUG, T. A. - MUNZ, I. A. - KLEIV, R. A. Importance of dissolution and precipitation kinetics for mineral carbonation. In 10TH INTERNATIONAL CONFERENCE ON GREENHOUSE GAS CONTROL TECHNOLOGIES. ISSN 1876-6102, 2011, vol. 4, p. 5029-5036., WOS

[1.1] HIGHFIELD, James - LIM, HuiQi - FAGERLUND, Johan - ZEVENHOVEN, Ron. Mechanochemical processing of serpentine with ammonium salts under ambient conditions for CO₂ mineralization. In RSC ADVANCES. ISSN 2046-2069, 2012, vol. 2, no. 16, p. 6542-6548., WOS

[1.1] KOC, Seval - TOPLAN, Nil - YILDIZ, Kenan - TOPLAN, H. Ozkan. Effects of mechanical activation on the non-isothermal kinetics of mullite formation from kaolinite. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, MAR 2011, vol. 103, no. 3, p. 791-796., WOS

[1.1] LIU CHEN - HE HANGJUN - LIANG DUOQIANG - HUANG HAN - MAN LUMAN - SONG YU - LUO SIQIANG. Influence of the mechanical activation on the reactivity of Germanium-containing zinc neutral leaching residue. In FRONTIERS OF MATERIALS, CHEMICAL AND METALLURGICAL TECHNOLOGIES, PTS 1 AND 2. ISSN 1022-6680, 2012, vol. 581-582, p. 868-872., WOS

[1.1] LIU, Qingyou - LI, Heping. Electrochemical behaviour of chalcopyrite (CuFeS₂) in FeCl₃ solution at room temperature under differential stress. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, JAN 17 2011, vol. 98, no. 1-2, p. 82-88., WOS

[1.1] LIU, Q.Y. - ZHANG, Y.Q. - LI, H.P. Influence of differential stress on the galvanic interaction of pyrite-chalcopyrite. In Ionics, Vol. 19 (2013), Issue 1, 77-82., WOS

[1.1] LU, Y.J. - WANG, Y.M. - PAN, Z.D. - SHEN, H.F. - WU, L.N. Preparation of carbon-silicon carbide composite powder via a mechanochemical route. In Ceramics International, Vol. 39 (2013), Issue 4, 4421-4426., WOS

[1.1] MUCSI, G. - MOLNAR, Z. - KUMAR, S. Geopolymerisation of

Mechanically Activated of gibbsite: Part 2. Attrition milling. In Powder Technology, vol. 264 (2014), p.229-235, WOS

[1.1] MUCSI, G. - MOLNAR, Z. - KUMAR, S. Geopolymerisation of Mechanically Activated Lignite and Brown Coal Fly Ash. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, OCT 2014, vol. 126, no. 4, p. 994-998., WOS

[1.1] MUCSI, G. - RACZ, A. - MADAI, V. Mechanical activation of cement in stirred media mill. In Powder Technology, Vol. 235 (2013), 163-172., WOS

[1.1] PAN, Zhidong - MENG, Junjie - WANG, Yanmin. Effect of alkalis on deacetylation of konjac glucomannan in mechano-chemical treatment. In PARTICUOLOGY. ISSN 1674-2001, JUN 2011, vol. 9, no. 3, p. 265-269., WOS

[1.1] RESCIC, S. - PLESCIA, P. - COSSARI, P. - TEMPESTA, E. - CAPITANI, D. - PROIETTI, N. - FRATINI, F. - MECCHI, A. M.

Mechano-chemical activation: an ecological safety process in the production of materials to stone conservation. In 2011 INTERNATIONAL CONFERENCE ON GREEN BUILDINGS AND SUSTAINABLE CITIES. ISSN 1877-7058, 2011, vol. 21, p. 1061-1071., WOS

[1.1] SANDVIK, Knut L. - KLEIV, Rolf A. - HAUG, Tove A. Mechanically activated minerals as a sink for CO₂. In ADVANCED POWDER TECHNOLOGY. ISSN 0921-8831, MAY 2011, vol. 22, no. 3, p. 416-421., WOS

[1.1] SARANGI, S. - BADAPANDA, T. - BEHERA, B. - ANWAR, S. Frequency and temperature dependence dielectric behavior of barium zirconate titanate nanocrystalline powder obtained by mechanochemical synthesis. In Journal of Materials Science-Materials in Electronics, Vol. 24 (2013), Issue 10, 4033-4042., WOS

[1.1] SARANGI, S. - BADAPANDA, T. - BEHERA, B. - ANWAR, S. Frequency and temperature dependence dielectric behavior of barium zirconate titanate nanocrystalline powder obtained by mechanochemical synthesis. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, OCT 2013, vol. 24, no. 10, p. 4033-4042., WOS

[1.1] SEPELAK, Vladimir - BEGIN-COLIN, Sylvie - LE CAER, Gerard. Transformations in oxides induced by high-energy ball-milling. In DALTON TRANSACTIONS. ISSN 1477-9226, 2012, vol. 41, no. 39, p. 11927-11948., WOS

[1.1] SEPELAK, Vladimir - BERGMANN, Ingo - INDRIS, Sylvio - FELDHOFF, Armin - HAHN, Horst - BECKER, Klaus Dieter - GREY, Clare P. - HEITJANS, Paul. High-resolution Al-27 MAS NMR spectroscopic studies of the response of spinel aluminates to mechanical action. In JOURNAL OF MATERIALS CHEMISTRY. ISSN 0959-9428, 2011, vol. 21, no. 23, p. 8332-8337., WOS

[1.1] SHIH, H.R. - TSAI, Y.Y. - LIU, K.T. - LIAO, Y.Z. - CHANG, Y.S. The luminescent properties of Pr³⁺ ion-doped BaY₂ZnO₅ phosphor under blue light irradiation. In Optical Materials, Vol. 35 (2013), Issue 12, 2654-2657., WOS

[1.1] SURYANARAYANA, C. - IVANOV, E. Mechanochemical synthesis of nanocrystalline metal powders. In Advances in Powder Metallurgy: Properties, Processing and Applications (eds Chang, I., Zhao, Y.) Book Series: Woodhead Publishing Series in Metals and Surface Engineering, Issue 60 (2013), 42-68., WOS

[1.1] ŠEPELÁK, V. - DUEVEL, A. - WILKENING, M. - BECKER, K.D. - HEITJANS, P. Mechanochemical reactions and syntheses

of oxides. In Chemical Society Reviews, Vol. 42 (2013), Issue 18, 7507-7520., WOS

[1.1] TAKACS, L. The historical development of mechanochemistry. In Chemical Society Reviews, Vol. 42 (2013), Issue 18, 7649-7659, WOS

[1.1] TORAMAN, O.Y. Use of Wet Grinding and Aging to Produce Narrow Particle Size Distribution. In Particulate Science and Technology, Vol. 29 (2011), Issue 5, 475-480, WOS

[1.1] TORAMAN, O.Y. - KATIRCIOGLU, D. Effect of Various Operating Factors on Wet Stirred Mill Performance. In Particulate Science and Technology, Vol. 29 (2011), Issue 3, 242-251, Article Number: PII 936746597, WOS

[1.1] TSAI, Y.Y. - CHEN, H.L. - CHAI, Y.L. - CHANG, Y.S. Photoluminescence properties of Bi³⁺-doped YInGe₂O₇ phosphors under an ultraviolet irradiation. In Optical Materials, Vol. 35 (2013), Issue 3, 317-321., WOS

[1.1] TURIANICOVÁ, E. - BALÁŽ, P. - TUČEK, L. - ZORKOVSKÁ, A. - ZELENÁK, V. - NÉMETH, Z. - ŠATKA, A. - KOVÁČ, J. Jr. A comparison of the reactivity of activated and non- activated olivine with CO₂. In International Journal of Mineral Processing, 2013, vol. 123, p. 73-77, WOS

[1.1] YAN, Shao-An - CHANG, Yee-Shin - WANG, Jian-Wen - HWANG, Weng-Sing - CHANG, Yen-Hwei. Synthesis and luminescence properties of color-tunable Ba_{1-y}Sr_yLa_{4-x}Tb_x(WO₄)(7) (x=0.02-1.2, y=0-0.4) phosphors. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, AUG 2011, vol. 46, no. 8, p. 1231-1236., WOS

[1.1] YAN, Shao-An - WANG, Jian-Wen - CHANG, Yee-Shin - HWANG, Weng-Sing - CHANG, Yen-Hwei. Synthesis and photoluminescence properties of Ba_{1-y}Sr_yLa_{4-x}Dy_x(WO₄)(7) (x=0.04-0.2, y=0-0.4) phosphors. In CERAMICS INTERNATIONAL. ISSN 0272-8842, APR 2012, vol. 38, no. 3, p. 2569-2574., WOS

[1.2] ROMAO, C.P. - MILLER, K.J. - WHITMAN, C.A. - WHITE, M.A. - MARINKOVIC, B.A. Negative Thermal Expansion (Thermomimetic) Materials (Book Chapter). In Comprehensive Inorganic Chemistry II (Second Edition): From Elements to Applications (Reedijk, J., Poeppelemeier, K.), Elsevier Ltd., ISBN: 978-008096529-1, Vol. 4 (2013), p 127-151, SCOPUS

[1.2] SURYANARAYANA, C. - IVANOV, E. Mechanochemical synthesis of nanocrystalline metal powders (Book Chapter). In Advances in Powder Metallurgy: Properties, Processing and Applications (Chang, I., Zhao, Y.), Elsevier Inc., ISBN: 978-085709420-9, August 2013, p. 42-68., SCOPUS

[1.2] TORAMAN, O.Y. Ultra fine grinding of calcite (CaCO₃) powder in a vertical stirred mill: Effect of some variables on product fineness (Book Chapter) In Calcite: Formation, Properties and Applications 2012, Nova Science Publishers, Inc., ISBN: 978-161470782-0, p. 301-306, SCOPUS

AAB Scientific monographs published in Slovak publishing houses

AAB01 BOBRO, Milan - HANČULÁK, Jozef - BREHUV, Ján - FEDOROVÁ, Erika - SLANČO, Pavel - ŠESTINOVÁ, Oľga. *Jemnodispergované minerály I.* Jemnodispergované minerály vo voľnom ovzduší. Ústav geotechniky SAV, Košice, 2006. 182s. ISBN 80-7166-044-2.

Ohlasy:

[4] BALUCHOVÁ, B. - BAČÍK, P. - FEJDL, P. - ČAPLOVIČOVÁ, M.: Mineralogický výskumprášných spadov z rokov 2006 – 2008 v oblasti Jelšavy.

Mineralia Slovaca, 43(2011), ISSN 0369- 2086, s. 327-334

[4] ŠLAKOVÁ, E. - MICHALKOVÁ, E. - MÁŠA, B. - WELWARD, L. In Chemolitotrofná acidofilná mikroflóra banských vôd a jej využitie. Vyd. J. Čižmarová-Partner, Poniky, 2011, 174 s.

AAB02 BOBRO, Milan - BLAŠKO, František. *Jemnodispergované minerály II. : Jemnodispergované minerály v pracovnom prostredí slovenských baní*. Košice : Vojenská letecká akadémia gen. M.R. Štefánika Košice, 2004.

Ohlasy:

[4] BAČÍK, P. – BALUCHOVÁ, B. Mineralógia atmosféry – vplyv prachu v atmosfére na vývoj klímy a zdravie človeka. In Zb. medz. konf. „Zmena klímy – možný dopad (nielen) na obyvateľstvo a rozvojové projekty“ 8. 11. 2012 Bratislava. Ed. Balúchová, B. Slovenska katolícka charita (SKCH)

AAB03 JAKABSKÝ, Štefan - LOVÁS, Michal - BLAŠKO, František. *Použitie feromagnetických kvapalín v úpravníctve*. Eds. Sekula, F., Mrva, P., Zentko, A.,. Košice : Vojenská letecká akadémia gen. Milana Rastislava Štefánika, Košice. 202s. ISBN 80-7166-047-7.

Ohlasy:

[1.1] OROLÍNOVÁ, Z. - MOCKOVČIAKOVÁ, A. - ZELENÁK, V. - MYNDYK, M. Influence of heat treatment on phase transformation of clay-iron oxide composite. In Journal of Alloys and Compounds 511 (2012), 1, 63-69, WOS

[4] DANKOVÁ, Z. - MOCKOVČIAKOVÁ, A. - HUDEC, P. - ZELENÁK, V. - SCHÜTZ, T. Structural and surface properties of powdered sorbents. In Partikulárne látky vo vede, priemysle a životnom prostredí : VII. konferencia s medzinárodnou účasťou, Herľany 13.-14. november 2012. Eds. Junák, J., Številová, N., Eštoková, A., Ondová, M. - Košice : TU v Košiciach, Stavebná fakulta, Ústav environmentálneho inžinierstva, 2012, ISBN 978-80-553-1211-8,17-22

Zobrazovací formát pre typ dokumentu " nedefinovaný! sysno:233449

AAB04 KREPELKA, František - ZAHORANSKÝ, Gejza. *Tunely*. Rec. Bauer, V., Frankovský, J., Vavrek, P.,. tech. redaktor, graf.úprava: Trefová, L., Vassová, S.,. Edičné stredisko AMS, TU Košice, F BERG, 2006. 396s. ISBN 80-8073-591-3.

Ohlasy:

[2.1] DRINGUS, A. - MADARASZ, L. - ORAVEC, M. - GASPAR, V. Concept of Situational Control in Road Tunnels. In 4th IEEE International Symposium on Logistics and Industrial Informatics (LINDI), Smolenice, Slovakia, 2012, 113-119, WOS

AAB05 KRÚPA, Vítázoslay - PINKA, Ján. *Rozpojovanie hornín*. FPP- BERG TU Košice : Vydavateľstvo Štrofek Košice, 1997. ISBN 80-88896-10-x.

Ohlasy:

[1.1] BARANOVÁ, V. - FUTÓ, J. - LANDRYOVÁ, L. Process capability index as an indicator of input signal quality of the rock disintegration process. In 14th International Carpathian Control Conference (ICCC), Rytro, POLAND, 2013, p. 1-4, WOS

[1.1] FUTÓ, J. - IVANIČOVÁ, L. - KREPELKA, F. - LABAŠ, M. - MIKLÚŠOVÁ, V. Simulation of Optimal Control of Rock Drilling Process in

Laboratory Conditions. In Modern Management of Mine Producing, Geology and Environmental Protection: proceedings from 11th International Multidisciplinary Scientific GeoConference (Albena: 20-25 June 2011). Eds. N., Sabotinov, M., Mazhdakov. - Albena (Bulgaria): SGEM, 2011, 933-940, ISSN 1314-2704, WOS

[1.1] FUTÓ, J. - IVANIČOVÁ, L. - KREPELKA, F. - LABAŠ, M. - MIKLÚŠOVÁ, V. Simulation of optimal control of rock drilling process in laboratory conditions. in MODERN MANAGEMENT OF MINE PRODUCING, GEOLOGY AND ENVIRONMENTAL PROTECTION: proceedings from 11th International multidisciplinary scientific geoconference (Albena: 20-25 June 2011). Eds.: Sabotinov, N.- Mazhdakov, M., Albena (Bulgaria). ISSN 1314-2704, SGEM 2011, p. 933-940, WOS

[1.1] IVANIČOVÁ, L. - LABAŠ, M. - KREPELKA, F. - FUTÓ, J. - BARANOVA, V. Verification of acoustic model of rock cutting process. In International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 2013, Bulgaria, 2013, p. 823-829, WOS

[1.1] STEHLIKOVA, Beata - FLEGNER, Patrik. Possibilities to compare vibration in drilling rocks. In 2014 15TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC). 2014, p. 557-561., WOS

[1.2] FERIANČIKOVÁ, K. - LEŠŠO, I. - LABAŠ, M. - LAZAROVÁ, E. - IVANIČOVÁ, L. Analysis of measured data and signal processing for the control of mechanized rock cutting processes, In 14th International Multidisciplinary Scientific Geoconference and EXPO, SGEM 2014, Albena, Bulgaria, 17-26 June 2014, vol. 2, iss. 1, 2014, p. 49-55., SCOPUS

[1.2] FUTÓ, J. - KREPELKA, F. - IVANIČOVÁ, L. Optimization of rock cutting process using the simulation methods. In Proceedings of the 12th International Carpathian Control Conference, ICCC'2011, Velké Karlovice, Czech Republic, 2011, 120-122, SCOPUS

[1.2] LABAŠ, M. - IVANIČOVÁ, L. - KREPELKA, F. - FUTÓ, J. - BARANOVA, V. Application of acoustic model for optimum determination in rock drilling process based on acoustic pressure in octave bands. In Proceedings of the 14th International Carpathian Control Conference, ICCC 2013, Ryto, Poland, 2013, p. 98-201., SCOPUS

[2.1] FUTÓ, J. - IVANIČOVÁ, L. - KREPELKA, F. - LABAŠ, M. Process of quantitative, WOS

[2.1] KREPELKA, F. - IVANIČOVÁ, L. - LABAŠ, M. - FUTÓ, J. Calculation of principal stresses and their directions in selected cutting planes in rock drilling. In Acta Montanistica Slovaca, Vol. 16 (2011), Issue 3, 216-219, WOS

[2.2] MALINDŽÁKOVÁ, M. - FUTÓ, J. Tunnel boring machine design and reliability parameters of a dynamic rock-indentor system. In Komunikácie 14 (4), 2012, 79-82, SCOPUS

[4.1] IVANOVÁ, M. Hodnotenie dynamickej sústavy raziaci stroj – hornina. Bakalárska práca, Košice, F BERG TUKE, 2014, 62 s

AAB06 VAŠEK, J. - KRÚPA, Vít'azoslav - PINKA, Ján. *Rozpojitel'nost' uhlia a hornín reznými nástrojmi*. Eds. Bejda, J., Krepelka, F., Vydavateľstvo Štroffek, Košice, 1999, 1999. 92s.

Ohlasy:

[2.1] KREPELKA, F. - IVANIČOVÁ, L. - LABAŠ, M. - FUTÓ, J.

Calculation of principal stresses and their directions in selected cutting planes in rock drilling. In *Acta Montanistica Slovaca*, Vol. 16 (2011), No. 3, 216-219, WOS

ABC Chapters in scientific monographs published abroad

ABC01 BALÁŽ, Peter - DUTKOVÁ, Erika - FICERIOVÁ, Jana - ACHIMOVICHOVÁ, Marcela - POURGHASHRAMANI, Parviz. Mechanochemistry of sulphides: from minerals to nanocrystalline semiconductors. In *Experimental and Theoretical Studies in Modern Mechanochemistry*. - Kerala, India : Transworld Research Network, 2010, p. 237-253. ISBN 978-81-7895-454-7.

Ohlasy:

[3.1] MARÍN, R.A.S - LUÉVANOS, A.M. - CASTRO, M.E.S. - ZENDEJO, F.R.S. - BRIONES, A.N. Mecanosíntesis: una ruta alternativa para la obtención de óxidos sólidos con aplicación como cátodos en celdas de combustible. In (Universidad Autónoma de Coahuila, Coordinación General de Estudios de Posgrado e Investigación CGEPI, Saltillo, Coahuila, México), *CienciAcierta*, Julio - Septiembre de 2013, núm. 35, Año 9, 17-19

ABD Chapters in scientific monographs published in Slovak publishing houses

ABD01 BOBRO, Milan - HREDZÁK, Slavomír. Nerastné suroviny ako vyčerpatel'né prírodné zdroje. In *Prírodné zdroje*, p. 137-176.

Ohlasy:

[1.2] ULIČNÝ, A. - DURANÍK, T. - RUŽBARSÝ, J. - KOSZEL, M. Technology of soil bioremediation and conversion of contaminated phytomass into usable energy forms. In *Journal of Central European Agriculture* 14 (3) 2013. p. 176-185., SCOPUS

ACB Academic/university textbooks published in Slovak publishing houses

ACB01 FEJDI, Pavel - BOBRO, Milan. *Mineralógia pre environmentalistov*. Univerzita Komenského Bratislava, 1996. 104s.

Ohlasy:

[4] BALUCHOVÁ, B.- BAČÍK, P.- FEJDI, P. - ČAPLOVICOVÁ, M.: Mineralogický výskum prášných spadov z rokov 2006 – 2008 v oblasti Jelšavy. *Mineralia Slovaca*, 43(2011), ISSN 0369- 2086, s. 327-334

ACD Chapters in academic/university textbooks published in Slovak publishing houses

ACD01 MOCKOVČIAKOVÁ, Annamária - BRIANČIN, Jaroslav - ZELEŇÁK, Vladimír - ŠTEVULOVÁ, Nadežda - FABIÁN, Martin. Metodiky hodnotenia vlastností práškových materiálov. In DUSZA, Ján. *Progresívne materiály a technológie*. 2. - Košice : Ústav materiálového výskumu SAV, 2008, s. 247-284. ISBN 978-80-968543-7-0.

Ohlasy:

[4] DAKOS, Zuzana. Bakteriálna transformácia minerálov s obsahom železa. *Dakos Z*. Košice, 2011. 105. Ústav geotechniky SAV v Košiciach

ADCA Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)

ADCA01 ACHIMOVICHOVÁ, Marcela - BALÁŽ, Peter - OHTANI, Tsukio - KOSTOVA, Nina G. - TYULIEV, Georgi - FELDHOFF, Armin - ŠEPELÁK, Vladimír. Characterization of mechanochemically synthesized ZnSe in a laboratory

and an industrial mill. In *Solid State Ionics : diffusion and reactions*, 2010, vol. 192, no., p. 632-637. (2.162 - IF2009). (2010 - Current Contents). ISSN 0167-2738.

Ohlasy:

[1.1] ALI, Zulfiqar - CAO, Chuanbao - KHAN, Waheed S. - BUTT, Faheem K. - HUSSAIN, Sajad - MAHMOOD, Tariq - NABI, Ghulam - USMAN, Zahid. Simultaneous growth of ZnSe cactus-like structures and novel microflowers of selenium. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2012, vol. 513, no., pp. 620-625., WOS

[1.1] KANNAPPAN, P. - DHANASEKARAN, R. Studies on structural and optical properties of ZnSe and ZnS_{0.95}Se_{0.05} single crystals grown by CVT method. In *JOURNAL OF CRYSTAL GROWTH*. ISSN 0022-0248, 2014, vol. 401, no., pp. 691., WOS

[1.1] LEWIS, David J. - KEVIN, Punarja - BAKR, Osman - MURYN, Christopher A. - MALIK, Mohammad Azad - O'BRIEN, Paul. Routes to tin chalcogenide materials as thin films or nanoparticles: a potentially important class of semiconductor for sustainable solar energy conversion. In *INORGANIC CHEMISTRY FRONTIERS*. ISSN 2052-1553, 2014, vol. 1, no. 8, p. 577-598., WOS

[1.1] TAKACS, L. Gradual and Self-Sustaining Processes in the Sn-Zn-Se System. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, OCT 2014, vol. 126, no. 4, p. 1032-1039., WOS

[1.1] ZHOU, G. - CALVEZ, L. - DELAIZIR, G. - ZHANG, X.H. - ROCHERULLE, J. Comparative study of ZnSe powders synthesized by two different methods and sintered by Hot-Pressing. In *OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS*. ISSN 1842-6573, 2014, vol. 8, no. 5-6, pp. 436., WOS

ADCA02 ACHIMOVIČOVÁ, Marcela - DANEU, Nina - REČNIK, Aleksander - ĐURIŠIN, Juraj - BALÁŽ, Peter - FABIÁN, Martin - KOVÁČ, Jaroslav - ŠATKA, A. Characterization of mechanochemically synthesized lead selenide. In *Chemical papers*, 2009, vol. 63, no. 5, p. 562-567. (0.758 - IF2008). (2009 - Current Contents). ISSN 0366-6352.

Ohlasy:

[1.1] DE LEON COVIAN, L. M. - ARIZPE ZAPATA, J. A. - GARZA NAVARRO, M. A. - GARCIA GUTIERREZ, D. I. EFFECT OF DIPHENYLPHOSPHINE IN THE SYNTHESIS OF PbSe NANOPARTICLES. In *CHALCOGENIDE LETTERS*. ISSN 1584-8663, 2014, vol. 11, no. 11, pp. 567., WOS

[1.1] GARCIA-GUTIERREZ, Domingo I. - DE LEON-COVIAN, Lina M. - GARCIA-GUTIERREZ, Diana F. - TREVINO-GONZALEZ, M. - GARZA-NAVARRO, M. A. - SEPULVEDA-GUZMAN, S. On the role of Pb-0 atoms on the nucleation and growth of PbSe and PbTe nanoparticles. In *JOURNAL OF NANOPARTICLE RESEARCH*. ISSN 1388-0764, 2013, vol. 15, no. 5, pp., WOS

[1.1] KOTKATA, M. F. - AL-KOTB, M. S. - EL-HOUSSIENY, I. G. Observation of the Meyer-Neldel rule in nanocrystalline PbSe thin films. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2014, vol. 89, no. 11, pp., WOS

[1.1] ROJAS-CHAVEZ, H. - REYES-CARMONA, F. - JARAMILLO-VIGUERAS, D. Solid-state reactions to synthesize nanostructured lead selenide semiconductor powders by high-energy milling. In *MATERIALS*

- RESEARCH BULLETIN, 2011, vol.46, no.10, 1560-1565., WOS
- [1.1] TAN, G. - LI, S. - MUROWCHICK, J.B. - WISNER, C. - LEVENTIS N. - PENG Z. Preparation of uncapped CdSe1-xSx semiconducting nanocrystals by mechanical alloying. In Journal of Applied Physics 110 (12) (2011), 124306, WOS
- [1.1] TAN, G. - LI, S. - MUROWCHICK, J.B. - WISNER, C. - LEVENTIS N. - PENG Z. Preparation of uncapped CdSe1-xSx semiconducting nanocrystals by mechanical alloying. In JOURNAL OF APPLIED PHYSICS. 2011, vol. 110, no. 12, 124306., WOS
- [1.2] HOSSEINPOUR-MASHKANI, Seyed Mostafa - RAMEZANI, Majid - VATANPARAST, Morteza. Synthesis and characterization of lead selenide nanostructure through simple sonochemical method in the presence of novel precursor. In Materials Science in Semiconductor Processing. ISSN 13698001, 2014-01-01, 26, 1, pp. 112-118., SCOPUS
- [1.2] LU, Kathy. Nanoparticulate Materials: Synthesis, Characterization, and Processing. In Nanoparticulate Materials: Synthesis, Characterization, and Processing, 2012-10-05, pp., SCOPUS
- [3.1] ROJAS-CHÁVEZ, H. - REYES-CARMONA, F. - MONDRAGÓN-SÁNCHEZ, M.L. - JARAMILLO-VIGUERAS, D. Aspectos físico-químicos inherentes al ciclo de molienda del PbTe. In Revista Colombiana de Materiales, Núm. 5 (2014), 225-232

ADCA03 ACHIMOVICHOVÁ, Marcela - BALÁŽ, Peter. Influence of mechanical activation on selectivity of acid leaching of arsenopyrite. In *Hydrometallurgy*, 2005, vol. 77, no. 1-2., p. 3-7. (1.088 - IF2004). (2005 - Current Contents). ISSN 0304-386X.

Ohlasy:

- [1.1] HASAB, Mehdi Ghobeiti - RAYGAN, Shahram - RASHCHI, Fereshteh. Chloride-hypochlorite leaching of gold from a mechanically activated refractory sulfide concentrate. In HYDROMETALLURGY. ISSN 0304-386X, 2013, vol. 138, no., pp. 59., WOS
- [1.1] HASAB, M. Ghobeiti - RASHCHI, F. - RAYGAN, Sh. Comparison of cyanide and chloride-hypochlorite leaching of a ball milled refractory gold concentrate with ultra-fine particles. In ULTRAFINE GRAINED AND NANO-STRUCTURED MATERIALS IV. ISSN 1022-6680, 2014, vol. 829, no., pp. 869., WOS
- [1.1] HASHEMZADEHFINI, Mohsen - FICERIOVA, Jana - ABKHOSHK, Emad - SHAHRAKI, Behrouz Karimi. Effect of mechanical activation on thiosulfate leaching of gold from complex sulfide concentrate. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2011, vol. 21, no. 12, pp. 2744., WOS
- [1.1] ONISEI, Silviana - BADILITA, Viorel - STOICIU, Florin - VELEA, Teodor - PREDICA, Vasile - LUPU, Cornelia - BUTU, Mihai - MOLDOVAN, Petru. Mechanochemical Activation of Copper Concentrate and the Effect on Oxidation of Metal Sulphides. In REVISTA DE CHIMIE. ISSN 0034-7752, 2012, vol. 63, no. 6, pp. 591., WOS
- [1.1] VAFAEIAN, S. - AHMADIAN, M. - REZAEI, B. Sulphuric acid leaching of mechanically activated copper sulphidic concentrate. In MINERALS ENGINEERING. ISSN 0892-6875, 2011, vol. 24, no. 15, pp. 1713., WOS
- [1.1] ZHANG, Yanjuan - LI, Xuanhai - PAN, Liuping - WEI, Yansong.

- Effect of Mechanical Activation on Extracting Indium from Neutral Leach Residue of Zinc Calcine. In *ADVANCED MANUFACTURING SYSTEMS*, PTS 1-3. ISSN 1022-6680, 2011, vol. 201-203, no., pp. 1810., WOS
- [1.2] ABKHOSHK, E. - JORJANI, E. - AL-HARAHSEH, M. S. - RASHCHI, F. - NAAZERI, M. Review of the hydrometallurgical processing of non-sulfide zinc ores. In *Hydrometallurgy*. ISSN 0304386X, 2014-01-01, 149, pp. 153-167., SCOPUS
- [1.2] GHOBEITI HASAB, M. - RASHCHI, F. - RAYGAN, Sh. Comparison of cyanide and chloride-hypochlorite leaching of a ball milled refractory gold concentrate with ultra-fine particles. In *Advanced Materials Research*. ISSN 10226680, 2014-01-07, 829, pp. 869-873., SCOPUS
- [1.2] VAFAEIAN, S. - AHMADIAN, M. - REZAEI, B. Sulphuric acid leaching of mechanically activated copper sulphidic concentrate. In *Minerals Engineering*. ISSN 08926875, 2011-12-01, 24, 15, pp. 1713-1716., SCOPUS
- [1.2] YAO, Jin Huan - LI, Xuan Hai - PAN, Liu Ping - LI, Zhi Qiang. Research progress in mineral leaching enhanced by mechanical activation. In *Xiandai Huagong/Modern Chemical Industry*. ISSN 02534320, 2011-07-01, 31, 7, pp. 12-15., SCOPUS
- [3.1] TURAN, M.D. - KALENDER, L. An Alternative Approach for the Metal Production from Copper Slag. In *Current Physical Chemistry*, Vol. 4 (2014), No. 4, 313-317(5).
- [3.1] YOU, D.S. - PARK, C.Y. Enhancement of Au•Ag Leaching by Mechanochemical Activation and Thiourea-Thiocyanate Mixing Solution. In *Journal of the Korean Earth Science Society*, Vol. 35 (2014), Issue 6, 401-411

ADCA04 ACHIMOVIČOVÁ, Marcela - BALÁŽ, Peter. Kinetics of the leaching of mechanically activated berthierite, boulangerite and franckeite. In *Physics and chemistry of minerals*, 2008, vol. 35, no. 2, p. 95-101. (2008 - Current Contents). ISSN 0342-1791.

Ohlasy:

- [1.1] MACCARTHY, Jennifer - NOSRATI, Ataollah - SKINNER, William - ADDAI-MENSAH, Jonas. Dissolution and rheological behaviour of hematite and quartz particles in aqueous media at pH 1. In *CHEMICAL ENGINEERING RESEARCH & DESIGN*. ISSN 0263-8762, 2014, vol. 92, no. 11, pp. 2509., WOS
- [1.1] YAO, J. H. - LI, X. H. - LI, Y. W. STUDY ON INDIUM LEACHING FROM MECHANICALLY ACTIVATED HARD ZINC RESIDUE. In *JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY*. ISSN 1450-5339, 2011, vol. 47, no. 1, pp. 63., WOS
- [1.2] DODANGEH, A. - HALALI, M. - HAKIM, M. - BAKHSHANDEH, M.R. Leaching kinetics of stibnite in sodium hydroxide solution. In *International Journal of Engineering, Transactions A: Basics*. vol. 27, iss. 2, February 2014, pp. 325-332, SCOPUS
- [1.2] YAO, J.H. - LI, X.H. - PAN, L.P. - LI, Z.Q Research progress in mineral leaching enhanced by mechanical activation. In *Xiandai Huagong/Modern Chemical Industry*. ISSN 0253-4320. vol. 31, iss. 7, July 2011, pp. 12-15, SCOPUS
- [3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In *Rudy i Metale Nieżelazne Recykling*, R. 59 (2014), nr. 3, 122-126

ADCA05 ACHIMOVÍČOVÁ, Marcela - DA SILVA, K. L. - DANEU, Nina - REČNIK, Aleksander - INDRIS, Silvio - HAIN, Holger - SCHEUERMANN, Marco - HAHN, H. - ŠEPELÁK, Vladimír. Structural and morphological study of mechanochemically synthesized tin diselenide. In *Journal of Materials Chemistry*, 2011, vol. 21, no., p. 5873-5876. (5.101 - IF2010). (2011 - Current Contents). ISSN 0959-9428.

Ohlasy:

[1.1] DE GROOT, C. H. (Kees) - GURNANI, Chitra - HECTOR, Andrew L. - HUANG, Ruomeng - JURA, Marek - LEVASON, William - REID, Gillian. Highly Selective Chemical Vapor Deposition of Tin Diselenide Thin Films onto Patterned Substrates via Single Source Diselenoether Precursors. In *CHEMISTRY OF MATERIALS*. ISSN 0897-4756, 2012, vol. 24, no. 22, pp. 4442., WOS

[1.1] FANG, Zhen - HAO, Shenghua - LONG, Liuyang - FANG, Hui - QIANG, Tingting - SONG, Yixuan. The enhanced photoelectrochemical response of SnSe₂ nanosheets. In *CRYSTENGCOMM*. ISSN 1466-8033, 2014, vol. 16, no. 12, pp. 2404., WOS

[1.1] LEWIS, David J. - KEVIN, Punarja - BAKR, Osman - MURYN, Christopher A. - MALIK, Mohammad Azad - O'BRIEN, Paul. Routes to tin chalcogenide materials as thin films or nanoparticles: a potentially important class of semiconductor for sustainable solar energy conversion. In *INORGANIC CHEMISTRY FRONTIERS*. ISSN 2052-1553, 2014, vol. 1, no. 8, p. 577-598., WOS

[1.1] TAKACS, L. Gradual and Self-Sustaining Processes in the Sn-Zn-Se System. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, OCT 2014, vol. 126, no. 4, p. 1032-1039., WOS

[1.1] TAN, Guolong - LI, Shaohua - MUROWCHICK, James B. - WISNER, Clarissa - LEVENTIS, Nickolas - PENG, Zhonghua. Preparation of uncapped CdSe_{1-x}S_x semiconducting nanocrystals by mechanical alloying. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, DEC 15 2011, vol. 110, no. 12., WOS

[1.1] XIAO, Guanjin - WANG, Yingnan - NING, Jiajia - WEI, Yingjin - LIU, Bingbing - YU, William W. - ZOU, Guangtian - ZOU, Bo. Recent advances in IV-VI semiconductor nanocrystals: synthesis, mechanism, and applications. In *RSC ADVANCES*. ISSN 2046-2069, 2013, vol. 3, no. 22, pp. 8104., WOS

[1.1] XIA, Congxin - AN, Jiao - WEI, Shuyi - JIA, Yu - ZHANG, Qiming. Electronic structures and optical properties of SnSe₂(1-x)O_{2x} alloys. In *COMPUTATIONAL MATERIALS SCIENCE*. ISSN 0927-0256, 2014, vol. 95, no., pp. 712., WOS

[1.1] ZHANG CAN - ZHANG JINXING - WANG KUN - DAI ZHIHUI. Immobilization of Acetylcholinesterase on SnSe₂ Hollow Spheres for Sensitive Detection of Phoxim. In *ACTA CHIMICA SINICA*. ISSN 0567-7351, 2012, vol. 70, no. 8, pp. 1008., WOS

ADCA06 ACHIMOVÍČOVÁ, Marcela - DANEU, Nina - ZORKOVSKÁ, Anna - FABIÁN, Martin. The use of de-aggregating agents in ZnSe mechanochemical synthesis. In *Journal of Materials Science. Materials in Electronics*, 2013, vol. 24, no. 10, p. 3686-3693. (1.486 - IF2012). (2013 - Current Contents). ISSN 0957-4522.

Ohlasy:

[1.1] LOHAR, G. M. - SHINDE, S. K. - FULARI, V. J. Structural, morphological, optical and photoluminescent properties of spray-deposited ZnSe thin film. In *Journal of Semiconductors*. ISSN 16744926, 2014-01-01, 35, 11, pp., WOS

ADCA07 ANDRÁŠ, Peter - ADAM, Marcel - CHOVAN, Martin - ŠLESÁROVÁ, Andrea. Environmental hazards of the bacterial leaching of ore minerals from waste at the Pezinok deposit (Malé Karpaty Mts., Slovakia). In *Carpathian Journal of Earth and Environmental Sciences*, 2008, vol. 3, no.1, p. 7-22. (2008 - Current Contents). ISSN 1842-4090.

Ohlasy:

[1.1] NAGY-KORODI, Istvan - WEISZBURG, Tamis G. - FODORPATAKI, Laszla - BARTHA, Andras. Environmental impact of mining activity on the Turt Creek, Eastern Carpathians, Romania. In *Carpathian Journal of Earth and Environmental Sciences*, 2011, Vol. 6, No. 2, 195-207, WOS

ADCA08 BALÁŽ, Matej - BALÁŽ, Peter - TJULIEV, Grigori - ZUBRIK, Anton - SAYAGUÉS, Mária Jesús - ZORKOVSKÁ, Anna - KOSTOVA, Nina G. Cystine-capped CdSe/ZnS nanocomposites: mechanochemical synthesis, properties, and the role of capping agent. In *Journal of Materials Science*, 2013, vol. 48, no. 6, p. 2424-2432. (2.163 - IF2012). (2013 - Current Contents). ISSN 0022-2461.

Ohlasy:

[1.1] LIU, Xijian - LI, Bo - FU, Fanfan - XU, Kaibing - ZOU, Rujia - WANG, Qian - ZHANG, Bingjie - CHEN, Zhigang - HU, Junqing. Facile synthesis of biocompatible cysteine-coated CuS nanoparticles with high photothermal conversion efficiency for cancer therapy. In *DALTON TRANSACTIONS*. ISSN 1477-9226, 2014, vol. 43, no. 30, pp. 11709., WOS

[1.1] RAK, Monika J. - SAADE, Nadim K. - FRISCIC, Tomislav - MOORES, Audrey. Mechanochemical synthesis of ultra-small monodisperse amine-stabilized gold nanoparticles with controllable size. In *GREEN CHEMISTRY*. ISSN 1463-9262, 2014, vol. 16, no. 1, pp. 86., WOS

[1.1] STENGL, Vaclav - BAKARDJIEVA, Snejana - HENYCH, Jiri - LANG, Kamil - KORMUNDA, Martin. Blue and green luminescence of reduced graphene oxide quantum dots. In *CARBON*. ISSN 0008-6223, 2013, vol. 63, no., pp. 537., WOS

ADCA09 BALÁŽ, Matej. Eggshell membrane biomaterial as a platform for applications in materials science. In *Acta biomaterialia*, 2014, vol. 10., no. 9, p. 3827-3843. (5.684 - IF2013). ISSN 1742-7061.

Ohlasy:

[1.1] LIANG, Miao - SU, Rongxin - QI, Wei - ZHANG, Yi - HUANG, Renliang - YU, Yanjun - WANG, Libing - HE, Zhimin. Reduction of Hexavalent Chromium Using Recyclable Pt/Pd Nanoparticles Immobilized on Procyanidin-Grafted Eggshell Membrane. In *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH*. ISSN 0888-5885, 2014, vol. 53, no. 35, pp. 13635., WOS

[1.1] SHI, Yaning - KOVACS-NOLAN, Jennifer - JIANG, Bo - TSAO, Rong - MINE, Yoshinori. Peptides derived from eggshell membrane improve antioxidant enzyme activity and glutathione synthesis against oxidative damage

in Caco-2 cells. In JOURNAL OF FUNCTIONAL FOODS. ISSN 1756-4646, 2014, vol. 11, no., pp. 571., WOS

- ADCA10 BALÁŽ, Peter - SEKULA, Felix - JAKABSKÝ, Štefan - KAMMEL, R.
Application of attrition grinding in alkaline leaching of tetrahedrite. In *Minerals engineering*, 1995, vol. 8, no. 11, p. 1299-1308. ISSN 0892-6875 (Print).
Ohlasy:
[1.1] SAFARZADEH, M. Sadegh - MOATS, Michael S. - MILLER, Jan D.
RECENT TRENDS IN THE PROCESSING OF ENARGITE
CONCENTRATES. In MINERAL PROCESSING AND EXTRACTIVE
METALLURGY REVIEW. ISSN 0882-7508, 2014, vol. 35, no. 5, p. 283-367.,
WOS
[1.2] HASAB, Mehdi Ghobeiti - RAYGAN, Shahram - RASHCHI,
Fereshteh. Chloride-hypochlorite leaching of gold from a mechanically activated
refractory sulfide concentrate. In *Hydrometallurgy*. ISSN 0304386X, 2013-07-24,
138, pp. 59-64., SCOPUS
[1.2] HASHEMZADEHFINI, Mohsen - FICERIOVÁ, Jana - ABKHOSHK,
Emad - SHAHRAKI, Behrouz Karimi. Effect of mechanical activation on
thiosulfate leaching of gold from complex sulfide concentrate. In *Transactions of
Nonferrous Metals Society of China (English Edition)*. ISSN 10036326,
2011-12-01, 21, 12, pp. 2744-2751., SCOPUS
[1.2] YANG, Li Jun - XU, Hong - YU, Yu Xing - GAO, Shen - JIA, Hui.
Research progress in tetrahedrite-tennantite minerals. In *Bulletin of Mineralogy
Petrology and Geochemistry*. ISSN 10072802, 2012-01-01, 31, 1, pp. 44-51.,
SCOPUS
[3] NYAMDELGER, SH - BURMAA, G. - NARANGARAV, T. -
ARIUNAA, G. Dissolution
[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural
stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In *Rudy i
Metale Nieżelazne Recykling*, R. 59 (2014), nr. 3, 122-126
- ADCA11 BALÁŽ, Peter - SAYAGUÉS, Mária Jesús - BALÁŽ, Matej - ZORKOVSKÁ,
Anna - HRONEC, P. - KOVÁČ, Jaroslav Jr. - KOVÁČ, Jaroslav - DUTKOVÁ,
Erika - MOJŽIŠOVÁ, Gabriela - MOJŽIŠ, Ján. CdSe@ZnS nanocomposites
prepared by a mechanochemical route: No release of Cd²⁺ ions and negligible in
vitro cytotoxicity. In *Materials Research Bulletin*, 2014, vol. 49, p. 302-309. (1.968
- IF2013). (2014 - Current Contents). ISSN 0025-5408.
Ohlasy:
[1.1] TANYEER, Md Rashid - ANSARI, Shoeb A. - MISHRA, Deepak -
KASHYAP, Aradhana. Electrosynthesis and PEC Studies of Nanostructured
Cadmium Containing Zinc Selenide Thin Films. In *ADVANCED SCIENCE
LETTERS*. ISSN 1936-6612, JUL-SEP 2014, vol. 20, no. 7-9, SI, p. 1703-1706.,
WOS
- ADCA12 BALÁŽ, Peter - KUPKA, Daniel - BASTL, Zdeněk - ACHIMOVÍČOVÁ,
Marcela. Combined chemical and bacterial leaching of ultrafine ground
chalcopyrite. In *Hydrometallurgy*, 1996, vol. 42, p. 237-244. ISSN 0304-386X.
Ohlasy:
[1.1] JONES, G.C. - CORIN, K.C. - VAN HILLE, R.P. - HARRISON,
S.T.L. The generation of toxic reactive oxygen species (ROS) from mechanically

activated sulphide concentrates and its effect on thermophilic bioleaching. In Minerals Engineering, Vol. 24 (2011), Issue 11, Special Issue: SI, 1198-1208, WOS

[1.1] LI, Y. - KAWASHIMA, N. - LI, J. - CHANDRA, A. P. - GERSON, A. R. A review of the structure, and fundamental mechanisms and kinetics of the leaching of chalcopyrite. In ADVANCES IN COLLOID AND INTERFACE SCIENCE. ISSN 0001-8686, 2013, vol. 197, no., pp. 1., WOS

[1.1] WEN, Shu-ming - DENG, Jiu-shuai - XIAN, Yong-jun - DAN, Liu. Theory analysis and vestigial information of surface relaxation of natural chalcopyrite mineral crystal. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2013, vol. 23, no. 3, pp. 796., WOS

ADCA13 BALÁŽ, Peter - ŠPALDON, F. - LUPTÁKOVÁ, Alena - PAHOLIČ, G. - BASTL, Zdeněk - HAVLÍK, Tomáš - ŠKROBIÁN, M. - BRIANČIN, Jaroslav. Feasibility of a thiobacillus ferrooxidans bacterial leaching of a chemically preleached chalcopyrite. In *International Journal of Mineral Processing*, 1991, vol. 32, no. 1-2, p. 133-146. ISSN 0301-7516.

Ohlasy:

[1.1] JONES, G.C. CORIN, K.C. - VAN HILLE, R.P. - HARRISON, S.T.L. The generation of toxic reactive oxygen species (ROS) from mechanically activated sulphide concentrates and its effect on thermophilic bioleaching. In MINERALS ENGINEERING. 2011, vol. 24, no. 11, spec. iss.: SI, p. 1198-1208, WOS

ADCA14 BALÁŽ, Peter - DUTKOVÁ, Erika. Fine milling in applied mechanochemistry. In *Minerals engineering*, 2009, vol. 22, no. 7-8, p. 681-694. (1.022 - IF2008). ISSN 0892-6875 (Print).

Ohlasy:

[1.1] FRISCIC, T. - HALASZ, I. - BELDON, P.J. - BELENGUER, A.M. - ADAMS, F. - KIMBER, S.A.J. - HONKIMAKI, V. - DINNEBIER, R.E. Real-time and in situ monitoring of mechanochemical milling reactions. In NATURE CHEMISTRY. ISSN 1755-4330, JAN 2013, vol. 5, no. 1, p. 66-73., WOS

[1.1] GUZZO, Pedro L. - SANTOS, Juliano B. - DAVID, Renato C. Particle size distribution and structural changes in limestone ground in planetary ball mill. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, 2014, vol. 126, no., pp. 41., WOS

[1.1] GUZZO, Pedro L. - SANTOS, Juliano B. - DAVID, Renato C. Particle size distribution and structural changes in limestone ground in planetary ball mill. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, JAN 10 2014, vol. 126, p. 41-48., WOS

[1.1] HONG, H.S. - JUNG, H.C. - SEO, M. - UHM, S. - YOON, J.S. - SUK, H.G. A Study on the Efficient Recovery and Separation of the Phosphor from CCFLs in End-of-Life LCD Units. In CURRENT NANOSCIENCE. ISSN 1573-4137, FEB 2014, vol. 10, no. 1, p. 138-142., WOS

[1.1] HUANG, Z.Q. - TAN, Y.F. - ZHANG, Y.J. - LIU, X.P. - HU, H.Y. - QIN, Y.B. - HUANG, H.M. Direct production of cellulose laurate by mechanical activation-strengthened solid phase synthesis. In BIORESOURCE TECHNOLOGY. ISSN 0960-8524, AUG 2012, vol. 118, p. 624-627., WOS

- [1.1] JONES, G.C. - CORIN, K.C. - VAN HILLE, R.P. - HARRISON, S.T.L. The generation of toxic reactive oxygen species (ROS) from mechanically activated sulphide concentrates and its effect on thermophilic bioleaching. In MINERALS ENGINEERING. ISSN 0892-6875, SEP 2011, vol. 24, no. 11, SI, p. 1198-1208., WOS
- [1.1] JONES, W. - EDDLESTON, M.D. Introductory Lecture: Mechanochemistry, a versatile synthesis strategy for new materials. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 9-34., WOS
- [1.1] KOLEVA, V. - PETKOVA, V. IR spectroscopic study of high energy activated Tunisian phosphorite. In VIBRATIONAL SPECTROSCOPY. ISSN 0924-2031, 2012, vol. 58, no., pp. 125., WOS
- [1.1] LIAO, Zhengda - HUANG, Zuqiang - HU, Huayu - ZHANG, Yanjuan - TAN, Yunfang. Microscopic structure and properties changes of cassava stillage residue pretreated by mechanical activation. In BIORESOURCE TECHNOLOGY. ISSN 0960-8524, 2011, vol. 102, no. 17, pp. 7953., WOS
- [1.1] MARJANOVIC, N. - KOMLJENOVIC, M. - BASCAREVIC, Z. - NIKOLIC, V. Improving reactivity of fly ash and properties of ensuing geopolymers through mechanical activation. In CONSTRUCTION AND BUILDING MATERIALS. ISSN 0950-0618, 2014, vol. 57, no., pp. 151., WOS
- [1.1] PATEL, P.C. - SRIVASTAVA, N. - SRIVASTAVA, P.C. Synthesis of wurtzite ZnS nanocrystals at low temperature. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, OCT 2013, vol. 24, no. 10, p. 4098-4104., WOS
- [1.1] PATHAK, C.S. - AGARWALA, V. - MANDAL, M.K. Mechano-chemical synthesis and optical properties of ZnS nanoparticles. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, SEP 1 2012, vol. 407, no. 17, p. 3309-3312., WOS
- [1.1] RESCIC, S. - PLESCIA, P. - COSSARI, P. - TEMPESTA, E. - CAPITANI, D. - PROIETTI, N. - FRATINI, F. - MECCHI, A.M. Mechano-chemical activation: an ecological safety process in the production of materials to stone conservation. In 2011 INTERNATIONAL CONFERENCE ON GREEN BUILDINGS AND SUSTAINABLE CITIES. ISSN 1877-7058, 2011, vol. 21, p. 1061-1071., WOS
- [1.1] SAFARZADEH, M.S. - MOATS, M.S. - MILLER, J.D. RECENT TRENDS IN THE PROCESSING OF ENARGITE CONCENTRATES. In MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW. ISSN 0882-7508, 2014, vol. 35, no. 5, p. 283-367., WOS
- [1.1] SALEM, J.K. - HAMMAD, T.M. - KUHN, S. - NAHAL, I. - ABU DRAAZ, M. - HEJAZY, N.K. - HEMPELMANN, R. Luminescence properties of Mn and Ni doped ZnS nanoparticles synthesized by capping agent. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, DEC 2014, vol. 25, no. 12, p. 5188-5194., WOS
- [1.1] SHI, Feng - SHI, Jikui - LI, Yongfu. Mechanochemical Phosphorylation and Solubilisation of beta-D-Glucan from Yeast *Saccharomyces cerevisiae* and Its Biological Activities. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 7, pp., WOS
- [1.1] SOLIHIN - ZHANG, Qiwu - TONGAMP, William - SAITO, Fumio. Mechanochemical synthesis of kaolin-KH₂PO₄ and kaolin-NH₄H₂PO₄ complexes for application as slow release fertilizer. In POWDER TECHNOLOGY. ISSN 0032-5910, 2011, vol. 212, no. 2, pp. 354., WOS

- [1.1] STOLLE, A. - SCHMIDT, R. - JACOB, K. Scale-up of organic reactions in ball mills: process intensification with regard to energy efficiency and economy of scale. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 267-286., WOS
- [1.1] TSAI, W.T. Microstructural Characterization of Calcite-Based Powder Materials Prepared by Planetary Ball Milling. In MATERIALS. ISSN 1996-1944, AUG 2013, vol. 6, no. 8, p. 3361-3372., WOS
- [1.1] ZHANG, Yanjuan - GAN, Tao - LI, Qian - SU, Jianmei - LIN, Ye - WEI, Yongzuo - HUANG, Zuqiang - YANG, Mei. Mechanical and interfacial properties of poly(vinyl chloride) based composites reinforced by cassava stillage residue with different surface treatments. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2014, vol. 314, no., pp. 603., WOS
- [1.1] ZHANG, Yanjuan - HUANG, Zuqiang - YANG, Cong - HUANG, Aimin - HU, Huayu - GONG, Zhanqiang - SUN, Guosong - HUANG, Kelin. Material properties of partially pregelatinized cassava starch prepared by mechanical activation. In STARCH-STARKE. ISSN 0038-9056, 2013, vol. 65, no. 5-6, pp. 461., WOS
- [1.1] ZHANG, Y.J. - GAN, T. - LUO, Y.W. - ZHAO, X.H. - HU, H.Y. - HUANG, Z.Q. - HUANG, A.M. - QIN, X.Z. A green and efficient method for preparing acetylated cassava stillage residue and the production of all-plant fibre composites. In COMPOSITES SCIENCE AND TECHNOLOGY. ISSN 0266-3538, OCT 6 2014, vol. 102, p. 139-144., WOS
- [1.1] ZHANG, Y.J. - GAN, T. - HU, H.Y. - HUANG, Z.Q. - HUANG, A.M. - ZHU, Y.Q. - FENG, Z.F. - YANG, M. A Green Technology for the Preparation of High Fatty Acid Starch Esters: Solid-Phase Synthesis of Starch Laurate Assisted by Mechanical Activation with Stirring Ball Mill as Reactor. In INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. ISSN 0888-5885, FEB 12 2014, vol. 53, no. 6, p. 2114-2120., WOS
- [1.2] CHEN, C.X. - HUANG, J.F. - WU, G.F. - LIN, G.F. - LU, Z.X. - CHEN, Y.D. - CHEN, X.R. - HUANG, B. Preparation of phosphoric acid activated carbon. In Chemistry of Industry and Forest Products, Vol. 33 (2013), p. 50-54, SCOPUS
- [1.2] WANG, Z. - LU, H.Q. - YIN, Y.P. - ZHANG, W.D. Influence of dispersant on the dispersion properties of Li-Ni-Co-Mn oxide precursor slurry. In Gongneng Cailiao/Journal of Functional Materials, Vol. 44 (2013), p. 298-300, SCOPUS
- [3.1] LESHCHYNSKY, V. - WEINERT, H. - CHOJNACKA, J. - WISNIEWSKI, T. - MARTÍNEZ PÉREZ, C.A. - TILVALDYEV, Sh. Jet milling and thermal processing of argentum jarosite nanoparticles for silver recycling. In Nano Studies, 2013, 7, 35-40

ADCA15 BALÁŽ, Peter - ACHIMOVÍČOVÁ, Marcela - BALÁŽ, Matej - BILLIK, Peter - CHERKEZOVA-ZHELEVA, Zara - CRAIDO, José Manuel - DELOGU, Francesco - DUTKOVÁ, Erika - GAFFET, Eric - GOTOR, Francisco José - KUMAR, Rakesh - MITOV, Ivan - ROJAC, Tadej - SENNA, M. - STRELETSKII, Andrey - WIECZOREK-CIUROWA, Krystyna. Hallmarks of mechanochemistry: from nanoparticles to technology. In *Chemical Society Reviews*, 2013, vol. 42, p. 7571-7637. (24.892 - IF2012). (2013 - Current Contents). ISSN 0306-0012.

Ohlasy:

- [1.1] BELENGUER, A.M. - LAMPRONTI, G.I. - WALES, D.J. -

SANDERS, J.K.M. Direct Observation of Intermediates in a Thermodynamically Controlled Solid-State Dynamic Covalent Reaction. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, NOV 19 2014, vol. 136, no. 46, p. 16156-16166., WOS

[1.1] BLAIR, R.G. - CHAGOYA, K. - BILTEK, S. - JACKSON, S. - SINCLAIR, A. - TARABOLETTI, A. - RESTREPO, D.T. The scalability in the mechanochemical syntheses of edge functionalized graphene materials and biomass-derived chemicals. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 223-233., WOS

[1.1] CINCIC, D. - FRISCIC, T. Synthesis of an extended halogen-bonded metal-organic structure in a one-pot mechanochemical reaction that combines covalent bonding, coordination chemistry and supramolecular synthesis. In CRYSTENGCOMM. ISSN 1466-8033, 2014, vol. 16, no. 44, p. 10169-10172., WOS

[1.1] CLARAMUNT, R.M. - LOPEZ, C. - SANZ, D. - ELGUERO, J. Mechano Heterocyclic Chemistry: Grinding and Ball Mills. In ADVANCES IN HETEROCYCLIC CHEMISTRY, VOL 112. ISSN 0065-2725, 2014, vol. 112, p. 117-143., WOS

[1.1] FABIAN, M. - BRIANCIN, J. - SCHUTZ, T. Mechanochemical synthesis and sintering of $\text{Ce}_{1-x}\text{Y}_x\text{O}_{2-\delta}$ ($x \leq 0.35$) solid solutions. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, OCT 2014, vol. 126, no. 4, p. 951-953., WOS

[1.1] FERGUSON, M. - GIRI, N. - HUANG, X. - APPERLEY, D. - JAMES, S.L. One-pot two-step mechanochemical synthesis: ligand and complex preparation without isolating intermediates. In GREEN CHEMISTRY. ISSN 1463-9262, 2014, vol. 16, no. 3, p. 1374-1382., WOS

[1.1] GU, D.D. - LI, Y.L. - WANG, H.Q. - JIA, Q.B. - ZHANG, G.Q. Microstructural development and its mechanism of mechanical alloyed nanocrystalline W-10Ni alloy reinforced with Y_2O_3 nanoparticles. In INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS. ISSN 0263-4368, MAY 2014, vol. 44, p. 113-122., WOS

[1.1] HALASZ, I. - FRISCIC, T. - KIMBER, S.A.J. - UZAREVIC, K. - PUSKARIC, A. - MOTTILLO, C. - JULIEN, P. - STRUKIL, V. - HONKIMAKI, V. - DINNEBIER, R.E. Quantitative in situ and real-time monitoring of mechanochemical reactions. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 203-221., WOS

[1.1] HALASZ, I. - PUSKARIC, A. - KIMBER, S.A.J. - BELDON, P.J. - BELENGUER, A.M. - ADAMS, F. - HONKIMAKI, V. - DINNEBIER, R.E. - PATEL, B. - JONES, W. - STRUKIL, V. - FRISCIC, T. Real-Time In Situ Powder X-ray Diffraction Monitoring of Mechanochemical Synthesis of Pharmaceutical Cocrystals. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, OCT 25 2013, vol. 52, no. 44, p. 11538-11541., WOS

[1.1] HERNANDEZ, J.G. - MACDONALD, N.A.J. - MOTTILLO, C. - BUTLER, I.S. - FRISCIC, T. A mechanochemical strategy for oxidative addition: remarkable yields and stereoselectivity in the halogenation of organometallic Re(I) complexes. In GREEN CHEMISTRY. ISSN 1463-9262, 2014, vol. 16, no. 3, p. 1087-1092., WOS

[1.1] JONES, W. - EDDLESTON, M.D. Introductory Lecture: Mechanochemistry, a versatile synthesis strategy for new materials. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 9-34., WOS

- [1.1] KOSTOVA, B. - PETKOVA, V. Effect of high-energy milling and thermal treatment on the solid-phase reactions in apatite-ammonium sulphate system. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, MAY 2014, vol. 116, no. 2, p. 737-746., WOS
- [1.1] KRECH, D. - ZIBROWIUS, B. - WEIDENTHALER, C. - FELDERHOFF, M. On the Preparation and Structure of Caesium Aluminium Tetrahydride. In EUROPEAN JOURNAL OF INORGANIC CHEMISTRY. ISSN 1434-1948, NOV 2014, no. 33, p. 5683-5688., WOS
- [1.1] KUMAR, P.H. - SRIVASTAVA, A. - KUMAR, V. - KUMAR, P. - SINGH, V.K. W Effect of High-Energy Ball Milling and Silica Fume Addition in BaCO₃-Al₂O₃. Part I: Formation of Cementing Phases. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, DEC 2014, vol. 97, no. 12, p. 3755-3763., WOS
- [1.1] LI, X.Y. - FU, L.J. - LIU, T.C. - YANG, H.M. Mechanochemical synthesis of nio nanoparticles: Insight into the nature of preferred growth orientation. In NANO. ISSN 1793-2920, JUN 2014, vol. 9, no. 4., WOS
- [1.1] MAJANO, G. - BORCHARDT, L. - MITCHELL, S. - VALTCHEV, V. - PEREZ-RAMIREZ, J. Rediscovering zeolite mechanochemistry - A pathway beyond current synthesis and modification boundaries. In MICROPOROUS AND MESOPOROUS MATERIALS. ISSN 1387-1811, AUG 2014, vol. 194, p. 106-114., WOS
- [1.1] MA, X.H. - YUAN, W.B. - BELL, S.E.J. - JAMES, S.L. Better understanding of mechanochemical reactions: Raman monitoring reveals surprisingly simple 'pseudo-fluid' model for a ball milling reaction. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2014, vol. 50, no. 13, p. 1585-1587., WOS
- [1.1] MCMAHON, B.W. - PEREZ, J.P.L. - YU, J. - BOATZ, J.A. - ANDERSON, S.L. Synthesis of Nanoparticles from Malleable and Ductile Metals Using Powder-Free, Reactant-Assisted Mechanical Attrition. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, NOV 26 2014, vol. 6, no. 22, p. 19579-19591., WOS
- [1.1] NASIRI-TABRIZI, B. - EBRAHIMI-KAHRIZSANGI, R. - BAHRAMI-KARKEVANDI, M. Effect of excess boron oxide on the formation of tungsten boride nanocomposites by mechanically induced self-sustaining reaction. In CERAMICS INTERNATIONAL. ISSN 0272-8842, NOV 2014, vol. 40, no. 9, A, p. 14235-14246., WOS
- [1.1] OJEDA, M. - BALU, A.M. - BARRON, V. - PINEDA, A. - COLETO, A.G. - ROMERO, A.A. - LUQUE, R. Solventless mechanochemical synthesis of magnetic functionalized catalytically active mesoporous SBA-15 nanocomposites. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2014, vol. 2, no. 2, p. 387-393., WOS
- [1.1] OU, Z.Y. - LI, J.H. Synergism of mechanical activation and sulfurization to recover copper from waste printed circuit boards. In RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 94, p. 51970-51976., WOS
- [1.1] PARIS, S. - GAFFET, E. - BERNARD, F. Control of FeAl Composition Produced by SPS Reactive Sintering from Mechanically Activated Powder Mixture. In Journal of Nanomaterials, (2013), Article Number: 150297, WOS
- [1.1] RAK, M.J. - FRISCIC, T. - MOORES, A. Mechanochemical synthesis of Au, Pd, Ru and Re nanoparticles with lignin as a bio-based reducing agent and

- stabilizing matrix. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 155-167., WOS
- [1.1] RAK, M.J. - SAADE, N.K. - FRISCIC, T. - MOORES, A. Mechanosynthesis of ultra-small monodisperse amine-stabilized gold nanoparticles with controllable size. In GREEN CHEMISTRY. ISSN 1463-9262, 2014, vol. 16, no. 1, p. 86-89., WOS
- [1.1] SHERAFAT, Z. - ANTUNES, I. - ALMEIDA, C. - FRADE, J.R. - PAYDAR, M.H. - MATHER, G.C. - FAGG, D.P. Enhanced BaZrO₃ mechanosynthesis by the use of metastable ZrO₂ precursors. In DALTON TRANSACTIONS. ISSN 1477-9226, 2014, vol. 43, no. 24, p. 9324-9333., WOS
- [1.1] TAKACS, L. Gradual and Self-Sustaining Processes in the Sn-Zn-Se System. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, OCT 2014, vol. 126, no. 4, p. 1032-1039., WOS
- [1.1] TAN, D. - STRUKIL, V. - MOTTILLO, C. - FRISCIC, T. Mechanosynthesis of pharmaceutically relevant sulfonyl-(thio)ureas. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2014, vol. 50, no. 40, p. 5248-5250., WOS
- [1.1] ZHOU, X. - TORABI, M. - LU, J. - SHEN, R.Q. - ZHANG, K.L. Nanostructured Energetic Composites: Synthesis, Ignition/Combustion Modeling, and Applications. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, MAR 12 2014, vol. 6, no. 5, p. 3058-3074., WOS
- [1.2] PÉREZ-VILLAREJO, L. - MARTÍNEZ-MARTÍNEZ, S. - ELIC HE-QUESADA, D. - CARRASCO-HURTADO, B. - SÁNCHEZ-SOTO, P.J. Mechanochemical treatment of clay minerals by dry grinding: Nanostructured materials with enhanced surface properties and reactivity. In Clays and clay minerals: Geological origin, mechanical properties and industrial applications. Nova Science Publishers, Hardback (2014), p. 67-114, SCOPUS
- [3.1] ADAMS, A.R. The degradation of atrazine by soil minerals: effects of drying mineral surfaces. Thesis presented in fulfilment of the requirements for the degree of Master of Science in the Faculty of AgriSciences at Stellenbosch University, Matieland, Stellenbosch, South Africa, April 2014, 177 p.
- [3.1] LIGIOS, G. Sistemi e dispositivi meccanici applicati a processi fisici e chimici. Dottorato Di Ricerca (Doctoral Thesis), Settore/i scientifico disciplinari di afferenza, ING-IND/14 - Progettazione Meccanica e Costruzione di Macchine, Esame finale anno accademico 2012 - 2013, Università degli Studi di Cagliari, Dipartimento di Ingegneria meccanica, chimica e dei materiali, May 2014, 91 p.
- [3.1] PETKOVA, V. - KOSTOVA, B. Influence of High Energy Milling and Thermal activation on phase changes in phosphorites and mixture of phosphorites and ammonium sulphate. In New Bulgarian University, Department of Natural Sciences, Annual'2014, 58-65

ADCA16 BALÁŽ, Peter - KAMMEL, R. - HAVLÍK, Tomáš - ACHIMOVIČOVÁ, Marcela - ŠTEVULOVA, Nadežda. Hydrometallurgical treatment of calcined tetrahydrate concentrate. In *Metall*, 1997, vol. 51, no. 7-8, p. 386-389. ISSN 0026-0746.

Ohlasy:

- [1.2] YANG, L.J. - XU, H. - YU, Y.X. - GAO, S. - JIA, H. Research progress in tetrahydrate- tennantite minerals. In Bulletin of Mineralogy Petrology and Geochemistry, Vol. 31 (2012), Issue 1, 44-51, SCOPUS

ADCA17 BALÁŽ, Peter - BÁLINTOVÁ, Magdaléna - BASTL, Zdeněk - BRIANČIN, Jaroslav - ŠEPELÁK, Vladimír. Characterization and reactivity of zinc sulphide prepared by mechanochemical synthesis. In *Solid State Ionics : diffusion and reactions*, 1997, vol. 101-103, p. 45-51. (1.510 - IF1996). (1997 - Current Contents). ISSN 0167-2738.

Ohlasy:

[1.1] YANG, W. J. - YANG, P. - LI, X. M. - FENG, W. L. Influence of tensile stress on corrosion behaviour of high-strength galvanized steel bridge wires in simulated acid rain. In MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION. ISSN 0947-5117, 2012, vol. 63, no. 5, pp. 401., WOS

[3.1] KANCA, A. Characterization and reactivity studies for chemical loop gasification of high sulfur lignites. A Thesis Submitted to the Graduate School of Natural and Applied Sciences of Middle East Technical University, Department of Chemical Engineering, METU Çankaya, Ankara, Turkey, 149 p.

ADCA18 BALÁŽ, Peter - LACOUNT, R.B. - KERN, Daniela - TURČÁNIOVÁ, Ľudmila. Chemical treatment of coal by grinding and aqueous caustic leaching. In *Fuel*, 2001, vol. 80, p. 665-671. ISSN 0016-2361.

Ohlasy:

[1.1] AMBEDKAR, B. - NAGARAJAN, R. - JAYANTI, S. Ultrasonic coal-wash for de-sulfurization. In ULTRASONICS SONOCHEMISTRY. ISSN 1350-4177, 2011, vol. 18, no. 3, pp. 718., WOS

[1.1] AYDIN, Firat - SAYDUT, Abdurrahman - AYDIN, Isil - HAMAMCI, Candan. Phosphorus Speciation in Coal Bottom Ash. In ATOMIC SPECTROSCOPY. ISSN 0195-5373, 2011, vol. 32, no. 5, pp. 194., WOS

[1.1] SAYDUT, A. - DUZ, M. Z. - ERDOGAN, S. - TONBUL, Y. - HAMAMCI, C. Chemical Leaching on Sulfur and Mineral Matter Removal from Asphaltite (Harbul, SE Anatolia, Turkey). In ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS. ISSN 1556-7036, 2011, vol. 33, no. 5, pp. 383., WOS

[1.2] MKETO, Nomvango - NOMNGONGO, Philiswa N. - NGILA, J. Catherine. A single-step microwave-assisted acid extraction of total sulphur in coal samples followed by ICP-OES determination. In Analytical Methods. ISSN 17599660, 2014-01-01, 6, 21, pp. 8505-8512., SCOPUS

[3] PAN, R.K. – WANG, L. – CHEN, X.J. –CHEN, H.D. Study on Permeability Characteristic of Unloading Coal Body and Stress Effect of Microstructure. In Coal Science and Technology, Vol. 41 (2013), No. 7, p. 75-78

ADCA19 BALÁŽ, Peter. Influence of solid state properties on ferric chloride leaching of mechanically activated galena. In *Hydrometallurgy*, 1996, vol. 40, 359-368. ISSN 0304-386X.

Ohlasy:

[1.1] GUZMAN, D. - FERNANDEZ, J. - ORDONEZ, S. - AGUILAR, C. - ROJAS, P. A. - SERAFINI, D. Effect of mechanical activation on the barite carbothermic reduction. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, 2012, vol. 102, no., pp. 124., WOS

[1.1] HASHEMZADEHFANI, Mohsen - FICERIOVA, Jana - ABKHOSHK, Emad - SHAHRAKI, Behrouz Karimi. Effect of mechanical activation on thiosulfate leaching of gold from complex sulfide concentrate. In

TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2011, vol. 21, no. 12, pp. 2744., WOS

[1.1] LEE, Jaeryeong. Grinding effects on the change of particle properties in cupric sulfide, CuS. In ADVANCED POWDER TECHNOLOGY. ISSN 0921-8831, 2012, vol. 23, no. 6, pp. 731., WOS

[1.1] LIU, Yan - ZHANG, Yifei - CHEN, Fangfang - ZHANG, Yi. The alkaline leaching of molybdenite flotation tailings associated with galena. In HYDROMETALLURGY. ISSN 0304-386X, 2012, vol. 129, no., pp. 30., WOS

[1.1] MOHAMMADNEJAD, Sima - PROVIS, John L. - VAN DEVENTER, Jannie S. J. Effects of grinding on the preg-robbing potential of quartz in an acidic chloride medium. In MINERALS ENGINEERING. ISSN 0892-6875, 2013, vol. 52, no., pp. 31., WOS

[1.1] MORADI, S. - MONHEMIUS, A. J. Mixed sulphide-oxide lead and zinc ores: Problems and solutions. In MINERALS ENGINEERING. ISSN 0892-6875, 2011, vol. 24, no. 10, pp. 1062., WOS

[1.1] ZHANG, Y.F. - LIU, Y. - CHEN, F.F. - ZHANG, Y. The alkaline leaching of molybdenite flotation tailings associated with galena. In Hydrometallurgy, Vol. 129 (2012) 30-34., WOS

ADCA20 BALÁŽ, Peter - DUTKOVÁ, Erika - ŠKORVÁNEK, Ivan - GOCK, Eberhard - KOVÁČ, Jozef - ŠATKA, A. Kinetics of mechanochemical synthesis of Me/FeS (Me = Cu, Pb, Sb) nanoparticles. In *Journal of Alloys and Compounds*, 2009, vol. 483, no. 1-2, p. 484-487. (1.510 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] DU, Gaoxiang - XUE, Qiang - DING, Hao - LI, Zhaohui. Mechanochemical effect of brucite powder in a wet ultrafine grinding process. In INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES. ISSN 0971-4588, 2013, vol. 20, no. 1, pp. 7., WOS

[1.1] CHAI, Li-yuan - LIANG, Yan-jie - KE, Yong - MIN, Xiao-bo - TANG, Chong-jian - ZHANG, Hai-jing - XIE, Xian-de - YUAN, Cui-yu.

Mechano-chemical sulfidization of zinc oxide by grinding with sulfur and reductive additives. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2013, vol. 23, no. 4, pp. 1129., WOS

[1.1] KHAYATI, Gholam Reza - JANGHORBAN, Kamal. An investigation on the application of process control agents in the preparation and consolidation behavior of nanocrystalline silver by mechanochemical method. In ADVANCED POWDER TECHNOLOGY. ISSN 0921-8831, 2012, vol. 23, no. 6, pp. 808., WOS

[1.1] KHAYATI, G. R. - JANGHORBAN, K. The nanostructure evolution of Ag powder synthesized by high energy ball milling. In ADVANCED POWDER TECHNOLOGY. ISSN 0921-8831, 2012, vol. 23, no. 3, pp. 393., WOS

[1.1] SURYANARAYANA, C. - AL-AQEELI, Nasser. Mechanically alloyed nanocomposites. In PROGRESS IN MATERIALS SCIENCE. ISSN 0079-6425, 2013, vol. 58, no. 4, pp. 383., WOS

ADCA21 BALÁŽ, Peter - BOLDIŽÁROVÁ, Eva - ACHIMOVIČOVÁ, Marcela - KAMMEL, R. Leaching and dissolution of a pentlandite concentrate pretreated by mechanical activation. In *Hydrometallurgy*, 2000, vol. 57, p. 85-96. (0.693 - IF1999). (2000 - Current Contents). ISSN 0304-386X.

Ohlasy:

[1.1] BAFGHI, M. Sh - EMAMI, A. H. - ZAKERI, A. Effect of Specific Surface Area of a Mechanically Activated Chalcopyrite on Its Rate of Leaching in Sulfuric Acid-Ferric Sulfate Media. In METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE. ISSN 1073-5615, 2013, vol. 44, no. 5, pp. 1166., WOS

[1.1] GORDON, J. J. K. - ASIAM, E. K. Influence of mechano-chemical activation on biooxidation of auriferous sulphides. In HYDROMETALLURGY. ISSN 0304-386X, 2012, vol. 115, no., pp. 77., WOS

[1.1] LIU, Weiping - XU, Hui - YANG, Xiyun - SHI, Xichang. Extraction of molybdenum from low-grade Ni-Mo ore in sodium hypochlorite solution under mechanical activation. In MINERALS ENGINEERING. ISSN 0892-6875, 2011, vol. 24, no. 14, pp. 1580., WOS

[1.1] VAFAEIAN, S. - AHMADIAN, M. - REZAEI, B. Sulphuric acid leaching of mechanically activated copper sulphidic concentrate. In MINERALS ENGINEERING. ISSN 0892-6875, 2011, vol. 24, no. 15, pp. 1713., WOS

[1.1] ZHU, Huihui - YU, Ranbo - DENG, Jinxia - CHEN, Jun - XING, Xianran. Direct preparation of ferrite magnetic material from Jinchuan nickel sulfide concentrate by acid leaching. In INTERNATIONAL JOURNAL OF MATERIALS RESEARCH. ISSN 1862-5282, 2012, vol. 103, no. 8, pp. 998., WOS

[3.1] EL-HUSSINY, N.A. - ABDUL-WAHAB, H.H. - ALI, M.M. - OMAR, A.L.A.M. - SHALABI, M.E.M.H - MOHARM, M.R. Effect of Grinding Time of Mill Scale on the Physicochemical Properties of Produced Briquettes and Its Reduction via Hydrogen. In Open Access Library Journal, Vol. 1 (2014), e1016, 1-10.

[3.1] TURAN, M.D. - KALENDER, L. An Alternative Approach for the Metal Production from Copper Slag. In Current Physical Chemistry, Vol. 4 (2014), No. 4, 313-317(5).

[3.1] TURAN, M.D. - KALENDER, L. An Alternative Approach for the Metal Production from Copper Slag. In Current Physical Chemistry, Vol. 4 (2014), No. 4, 313-317(5).

ADCA22 BALÁŽ, Peter - ACHIMOVÍČOVÁ, Marcela - FICERIOVÁ, Jana - KAMMEL, R. - ŠEPELÁK, Vladimír. Leaching of antimony and mercury from mechanically activated tetrahedrite Cu₁₂Sb₄S₁₃. In *Hydrometallurgy*, 1998, vol. 47, . p. 297-307. ISSN 0304-386X.

Ohlasy:

[1.1] AWE, Samuel Ayowole - SANDSTRÖM, Åke. Upgrading of an impure copper concentrate for pyrometallurgical processing. In Proceedings European Metallurgical Conference, EMC 2011, 2011-12-01, 1, pp. 15-32., WOS

[1.1] CELEP, Oktay - ALP, Ibrahim - DEVECI, Haci. Improved gold and silver extraction from a refractory antimony ore by pretreatment with alkaline sulphide leach. In Hydrometallurgy. ISSN 0304386X, 2011-01-01, 105, 3-4, pp. 234-239., WOS

[1.1] LIU, Wei - LUO, Honglin - QING, Wenqing - ZHENG, Yongxing - YANG, Kang - HAN, Junwei. Investigation into oxygen-enriched bottom-blown stibnite and direct reduction. In Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science. ISSN 10735615,

2014-01-01, 45, 4, pp. 1281-1290., WOS

[1.1] SAFARZADEH, M. Sadegh - MOATS, Michael S. - MILLER, Jan D. Recent trends in the processing of enargite concentrates. In Mineral Processing and Extractive Metallurgy Review. ISSN 08827508, 2014-01-01, 35, 5, pp. 283-367., WOS

[1.1] VAFAEIAN, S. - AHMADIAN, M. - REZAEI, B. Sulphuric acid leaching of mechanically activated copper sulphidic concentrate. In Minerals Engineering. ISSN 08926875, 2011-12-01, 24, 15, pp. 1713-1716., WOS

[1.2] AWE, Samuel Ayowole - SANDSTRÖM, Åke. Upgrading of an impure copper concentrate for pyrometallurgical processing. In Proceedings European Metallurgical Conference, EMC 2011, 2011-12-01, 1, pp. 15-32., SCOPUS

[1.2] AWE, S.A. - SAMUELSSON, C. - SANDSTROM, A. Elimination and Recovery of Antimony from Copper Resources. In Proceedings of International Conference on "By-Product Metals in the Non-Ferrous Metal Industry", 15-17 maj 2013, Wrocław, Poland, 12 p

[1.2] CELEP, Oktay - ALP, Ibrahim - DEVECI, Hacı. Improved gold and silver extraction from a refractory antimony ore by pretreatment with alkaline sulphide leach. In Hydrometallurgy. ISSN 0304386X, 2011-01-01, 105, 3-4, pp. 234-239., SCOPUS

[1.2] DODANGEH, A. - HALALI, M. - HAKIM, M. - BAKHSHANDEH, M. R. Leaching kinetics of stibnite in sodium hydroxide solution. In International Journal of Engineering, Transactions B: Applications. ISSN 1728-144X, 2014-01-01, 27, 2, pp. 325-332., SCOPUS

[1.2] SAFARZADEH, M. Sadegh - MOATS, Michael S. - MILLER, Jan D. Recent trends in the processing of enargite concentrates. In Mineral Processing and Extractive Metallurgy Review. ISSN 08827508, 2014-01-01, 35, 5, pp. 283-367., SCOPUS

[3] NYAMDELGER, SH - BURMAA, G. - NARANGARAV, T. - ARIUNAA, G. Dissolution behaviour of freibergite-tetrahedrite concentrate in acidic dichromate solution. In Mongolian Journal of Chemistry 14 (40), 2013, p. 36-40

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In Rudy i Metale Nieżelazne Recykling, R. 59 (2014), nr. 3, 122-126

ADCA23 BALÁŽ, Peter. Mechanical activation in technology of metals extraction. In *Metall*, 2002, vol. 54., no.4, p. 190-195. ISSN 0026-0746.

Ohlasy:

[1.1] GORDON, J. J. K. - ASIAM, E. K. Influence of mechano-chemical activation on biooxidation of auriferous sulphides. In *HYDROMETALLURGY*. ISSN 0304-386X, 2012, vol. 115, no., pp. 77., WOS

[1.2] GORDON, J. J K - ASIAM, E. K. Influence of mechano-chemical activation on biooxidation of auriferous sulphides. In *Hydrometallurgy*. ISSN 0304386X, 2012-03-01, 115-116, pp. 77-83., SCOPUS

ADCA24 BALÁŽ, Peter. Mechanical activation in hydrometallurgy. In *International Journal of Mineral Processing*, 2003, vol. 72, no. 1-4, p. 341-354. ISSN 0301-7516.

Ohlasy:

[1.1] ANDRIC, L. - ACIMOVIC-PAVLOVIC, Z. - PAVLOVIC, N. -

- MILOSEVIC, V. - MILICEVIC, S. Mechanical activation of talc in high-energy speed rotary mechanoactivator. CERAMICS INTERNATIONAL. ISSN 0272-8842, MAY 2012, vol. 38, no. 4, p. 2913-2920., WOS
- [1.1] ANDRIC, L. - TERZIC, A. - ACIMOVIC-PAVLOVIC, Z. - PAVLOVIC, L. - PETROV, M. Comparative kinetic study of mechanical activation process of mica and talc for industrial application. COMPOSITES PART B-ENGINEERING. ISSN 1359-8368, MAR 2014, vol. 59, p. 181-190., WOS
- [1.1] ANDRIC, L. - TERZIC, A. - ACIMOVIC-PAVLOVIC, Z. - PAVLOVIC, L. - PETROV, M. COMPARATIVE ANALYSIS OF PROCESS PARAMETERS OF TALC MECHANICAL ACTIVATION IN CENTRIFUGAL AND ATTRITION MILL. PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING. ISSN 1643-1049, 2014, vol. 50, no. 2, p. 433-452., WOS
- [1.1] DU, G.X. - XUE, Q. - DING, H. - LI, Z.H. Mechanochemical effect of brucite powder in a wet ultrafine grinding process. INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES. ISSN 0971-4588, FEB 2013, vol. 20, no. 1, p. 7-13., WOS
- [1.1] GUZMAN, D. - FERNANDEZ, J. - ORDONEZ, S. - AGUILAR, C. - ROJAS, P.A. - SERAFINI, D. Effect of mechanical activation on the barite carbothermic reduction. INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, JAN 25 2012, vol. 102, p. 124-129., WOS
- [1.1] JONES, G.C. - CORIN, K.C. - VAN HILLE, R.P. - HARRISON, S.T.L. The generation of toxic reactive oxygen species (ROS) from mechanically activated sulphide concentrates and its effect on thermophilic bioleaching. MINERALS ENGINEERING. ISSN 0892-6875, SEP 2011, vol. 24, no. 11, SI, p. 1198-1208., WOS
- [1.1] KE, Y. - CHAI, L.Y. - MIN, X.B. - TANG, C.J. - CHEN, J. - WANG, Y. - LIANG, Y.J. Sulfidation of heavy-metal-containing neutralization sludge using zinc leaching residue as the sulfur source for metal recovery and stabilization. MINERALS ENGINEERING. ISSN 0892-6875, JUN 2014, vol. 61, p. 105-112., WOS
- [1.1] KHAYATI, G.R. - JANGHORBAN, K. - SHARIAT, M.H. Isothermal kinetics of mechanochemically and thermally synthesized Ag from Ag₂O. TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, APR 2012, vol. 22, no. 4, p. 935-942., WOS
- [1.1] LAPIDUS, S.H. - NAIK, A. - WIXTROM, A. - MASSA, N.E. - PHUOC, V.T. - DEL CAMPO, L. - LEBEGUE, S. - ANGYAN, J.G. - ABDEL-FATTAH, T. - PAGOLA, S. The Black Polymorph of TTF-CA: TTF Polymorphism and Solvent Effects in Mechanochemical and Vapor Digestion Syntheses, FT-IR, Crystal Packing, and Electronic Structure. CRYSTAL GROWTH & DESIGN. ISSN 1528-7483, JAN 2014, vol. 14, no. 1, p. 91-100., WOS
- [1.1] LIAO, Z.D. - HUANG, Z.Q. - HU, H.Y. - ZHANG, Y.J. - TAN, Y.F. Microscopic structure and properties changes of cassava stillage residue pretreated by mechanical activation. BIORESOURCE TECHNOLOGY. ISSN 0960-8524, SEP 2011, vol. 102, no. 17, p. 7953-7958., WOS
- [1.1] LIU, W.P. - XU, H. - YANG, X.Y. - SHI, X.C. Extraction of molybdenum from low-grade Ni-Mo ore in sodium hypochlorite solution under mechanical activation. MINERALS ENGINEERING. ISSN 0892-6875, NOV

2011, vol. 24, no. 14, p. 1580-1585., WOS

[1.1] LI, X.H. - ZHANG, Y.J. - PAN, L.P. - WEI, Y.S. Effect of mechanical activation on dissolution kinetics of neutral leach residue of zinc calcine in sulphuric acid. TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, MAY 2013, vol. 23, no. 5, p. 1512-1519., WOS

[1.1] MENG, F.C. - LIU, Y.H. - CHU, J.L. - WANG, W.J. - QI, T. STRUCTURAL CONTROL OF NA(2)TIO(3) IN PRE-TREATING NATURAL RUTILE ORE BY ALKALI ROASTING FOR TIO2 PRODUCTION. CANADIAN JOURNAL OF CHEMICAL ENGINEERING. ISSN 0008-4034, AUG 2014, vol. 92, no. 8, p. 1346-1352., WOS

[1.1] NIKSIRAT, S. - RAYGAN, S. Simultaneous carbothermic reduction of iron and titanium oxides to produce an iron-based composite by mechanically activated sintering method. ADVANCED POWDER TECHNOLOGY. ISSN 0921-8831, MAY 2014, vol. 25, no. 3, p. 859-864., WOS

[1.1] OLIVEIRA, P.F.M. - BARON, M. - CHAMAYOU, A. - ANDRE-BARRES, C. - GUIDETTI, B. - BALTAS, M. Solvent-free mechanochemical route for green synthesis of pharmaceutically attractive phenolhydrazones. RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 100, p. 56736-56742., WOS

[1.1] RAZAVI, M. - RAJABI-ZAMANI, A.H. - RAHIMIPOUR, M.R. - KABOLI, R. - SHABANI, M.O. - YAZDANI-RAD, R. Synthesis of Fe-TiC-Al2O3 hybrid nanocomposite via carbothermal reduction enhanced by mechanical activation. CERAMICS INTERNATIONAL. ISSN 0272-8842, MAR 2011, vol. 37, no. 2, p. 443-449., WOS

[1.1] SWAROOPA, S. - GHOSH, M.K. - SANJAY, K. - MISHRA, B.K. Extraction of Cu and Cr from a spent Cu-Cr catalyst: Recovery enhancement through mechanical activation. HYDROMETALLURGY. ISSN 0304-386X, APR 2013, vol. 136, p. 8-14., WOS

[1.1] TERZIC, A. - ANDRIC, L. - MITIC, V. Mechanically activated coal ash as refractory bauxite shotcrete microfiller: Thermal interactions mechanism investigation. CERAMICS INTERNATIONAL. ISSN 0272-8842, SEP 2014, vol. 40, no. 8, A, p. 12055-12065., WOS

[1.1] TERZIC, A. - ANDRIC, L. - STOJANOVIC, J. - OBRADOVIC, N. - KOSTOVIC, M. Mechanical Activation as Sintering Pre-treatment of Talc for Steatite Ceramics. SCIENCE OF SINTERING. ISSN 0350-820X, 2014, vol. 46, no. 2, p. 247-258., WOS

[1.1] TURAN, M.D. - ALTUNDOGAN, H.S. Leaching of a copper flotation concentrate with ammonium persulfate in an autoclave system. INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS. ISSN 1674-4799, SEP 2014, vol. 21, no. 9, p. 862-870., WOS

[1.1] VAFAEIAN, S. - AHMADIAN, M. - REZAEI, B. Sulphuric acid leaching of mechanically activated copper sulphidic concentrate. MINERALS ENGINEERING. ISSN 0892-6875, DEC 2011, vol. 24, no. 15, p. 1713-1716., WOS

[1.1] YANG, F.Q. - WU, C. Mechanism of mechanical activation for spontaneous combustion of sulfide minerals. TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, JAN 2013, vol. 23, no. 1, p. 276-282., WOS

[1.1] YUAN, W.Y. - LI, J.H. - ZHANG, Q.W. - SAITO, F. - YANG, B. Lead recovery from cathode ray tube funnel glass with mechanical activation.

JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION. ISSN 1096-2247, JAN 1 2013, vol. 63, no. 1, p. 2-10., WOS

[1.1] ZHANG, Y.J. - HUANG, Z.Q. - YANG, C. - HUANG, A.M. - HU, H.Y. - GONG, Z.Q. - SUN, G.S. - HUANG, K.L. Material properties of partially pregelatinized cassava starch prepared by mechanical activation.

STARCH-STARKE. ISSN 0038-9056, MAY 2013, vol. 65, no. 5-6, p. 461-468., WOS

[1.2] SWAROOPA, S. - SAHU, S. - SHEIK, A.R. - SANJAY, K. - GHOSH, M.K. - SUBBAIAH, T. Reclamation of metal values from copper-chromium spent catalysts. In 26th International Mineral Processing Congress, IMPC 2012: Innovative Processing for Sustainable Growth - Conference Proceedings (2012), 5330-5340, SCOPUS

[1.2] [1.2] SUN, Q. - WANG, J.J. - WANG, X.H. - YANG, X.L. - ZHENG, S.L. - XIE, H.Q. - ZHENG, S.L. Leaching of mechanically activated niobium-tantalum ore in an alkaline hydrothermal system. In Beijing Keji Daxue Xuebao/Journal of University of Science and Technology Beijing, Vol. 35 (2013), p. 1279-1288., SCOPUS

[3.1] EL-HUSSINY, N.A. - ABDUL-WAHAB, H.H. - ALI, M.M. - OMAR, A.L.A.M. - SHALABI, M.E.M.H. - MOHARM, M.R. Effect of Grinding Time of Mill Scale on the Physicochemical Properties of Produced Briquettes and Its Reduction via Hydrogen. In Open Access Library Journal, Vol. 1 (2014), e1016, 1-10.

[3.1] KIM, B.J. - CHO, K.H. - OH, S.J. - CHOI, N.C. - PARK, C.Y. Mineralogical Transformation of Gold-silver Bearing Sulfide Concentrate by Mechanochemical Activation, and their Gold-silver Leaching with Non-cyanide Solution. In Journal of the Mineralogical Society of Korea, Vol. 27 (2014), Issue 3, 115-124

ADCA25 BALÁŽ, Peter - TAKACS, Laszlo - BOLDIŽÁROVÁ, Eva - GODOČÍKOVÁ, Erika. Mechanochemical transformations and reactivity in copper sulphides. In *Journal of Physics and Chemistry of Solids*, 2003, vol. 64, p.1413-1417. ISSN 1413-1417.

Ohlasy:

[1.1] FU, Kai-bin - LIN, Hai - CHENG, Huang - MO, Xiao-lan - DONG, Ying-bo. Bioleaching of djurleite using *Acidithiobacillus ferrooxidans*. In MINERALS ENGINEERING. ISSN 0892-6875, 2013, vol. 40, no., pp. 38., WOS

[1.1] SUNANDANA, C. S. - RAJESH, D. Three strategies for fabrication of I-VII semiconductor nano(particles)structures. In INDIAN JOURNAL OF PURE & APPLIED PHYSICS. ISSN 0019-5596, 2013, vol. 51, no. 3, pp. 149., WOS

ADCA26 BALÁŽ, Peter. Mechanochemistry of sulphides. In *Journal of Materials Science*, 2004, vol. 39., p. 5097-5102. (0.826 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0022-2461.

Ohlasy:

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In Rudy i Metale Nieżelazne Recykling, R. 59 (2014), nr. 3, 122-126

ADCA27 BALÁŽ, Peter - TAKACS, Laszlo - LUXOVÁ, Magda - GODOČÍKOVÁ, Erika - FICERIOVÁ, Jana. Mechanochemical processing of sulphidic minerals. In *International Journal of Mineral Processing*, 2004, vol. 74S, p. 365-371. ISSN 0301-7516.

Ohlasy:

[1.1] GORDON, J.J.K. - ASIAM, E.K. Influence of mechano-chemical activation on biooxidation of auriferous sulphides. In *Hydrometallurgy*, Vol. 115-116 (2012), 77-83, WOS

[1.1] JING, Yuanyuan - ZHANG, Yan - BLENDALL, John - KOSLOWSKI, Marisol - CARVAJAL, M. T. Nanoindentation Method To Study Slip Planes in Molecular Crystals in a Systematic Manner. In *CRYSTAL GROWTH & DESIGN*. ISSN 1528-7483, 2011, vol. 11, no. 12, pp. 5260., WOS

[1.1] JONES, Gavin C. - CORIN, Kirsten C. - VAN HILLE, Robert P. - HARRISON, Susan T. L. The generation of toxic reactive oxygen species (ROS) from mechanically activated sulphide concentrates and its effect on thermophilic bioleaching. In *MINERALS ENGINEERING*. ISSN 0892-6875, 2011, vol. 24, no. 11, pp. 1198., WOS

[1.1] LIU, Qingyou - LI, Heping. Electrochemical behaviour of chalcopyrite (CuFeS₂) in FeCl₃ solution at room temperature under differential stress. In *INTERNATIONAL JOURNAL OF MINERAL PROCESSING*. ISSN 0301-7516, 2011, vol. 98, no. 1-2, pp. 82., WOS

[1.1] YANG, Fu-qiang - WU, Chao. Mechanism of mechanical activation for spontaneous combustion of sulfide minerals. In *TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA*. ISSN 1003-6326, 2013, vol. 23, no. 1, pp. 276., WOS

[3.1] EL-HUSSINY, N.A. - ABDUL-WAHAB, H.H. - ALI, M.M. - OMAR, A.L.A.M. - SHALABI, M.E.M.H - MOHARM, M.R. Effect of Grinding Time of Mill Scale on the Physicochemical Properties of Produced Briquettes and Its Reduction via Hydrogen. In *Open Access Library Journal*, Vol. 1 (2014), e1016, 1-10.

ADCA28 BALÁŽ, Peter - DUTKOVÁ, Erika. Mechanochemistry of sulphides From minerals to advanced nanocrystalline materials. In *Journal of Thermal Analysis and Calorimetry*, 2007, vol. 90, no. 1, p. 85-92. (1.438 - IF2006). (2007 - Current Contents). ISSN 1388-6150.

Ohlasy:

[1.1] ALANKO, G.A. - BUTT, D.P. Mechanochemical Synthesis of Cerium Monosulfide. In *JOURNAL OF THE AMERICAN CERAMIC SOCIETY*. ISSN 0002-7820, AUG 2014, vol. 97, no. 8, p. 2357-2359., WOS

[1.1] FRISCIC, T. - HALASZ, I. - BELDON, P.J. - BELENGUER, A.M. - ADAMS, F. - KIMBER, S.A.J. - HONKIMAKI, V. - DINNEBIER, R.E. Real-time and in situ monitoring of mechanochemical milling reactions. In *NATURE CHEMISTRY*. ISSN 1755-4330, JAN 2013, vol. 5, no. 1, p. 66-73., WOS

[1.1] FRISCIC, T. - HALASZ, I. - STRUKIL, V. - ECKERT-MAKSIC, M. - DINNEBIER, R.E. Clean and Efficient Synthesis Using Mechanochemistry: Coordination Polymers, Metal-Organic Frameworks and Metallodrugs. In *CROATICA CHEMICA ACTA*. ISSN 0011-1643, OCT 2012, vol. 85, no. 3, p. 367-378., WOS

[1.1] RAK, M.J. - FRISCIC, T. - MOORES, A. Mechanochemical synthesis

of Au, Pd, Ru and Re nanoparticles with lignin as a bio-based reducing agent and stabilizing matrix. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 155-167., WOS

[1.1] TIAN, Y. - WANG, X.B. - XI, R.G. - PAN, W.S. - JIANG, S. - LI, Z. - ZHAO, Y. - GAO, G.H. - LIU, D. Enhanced antitumor activity of realgar mediated by milling it to nanosize. In INTERNATIONAL JOURNAL OF NANOMEDICINE. ISSN 1178-2013, 2014, vol. 9, p. 745-757., WOS

[3.1] ALANKO, G.A. Thermodynamics and reaction kinetics during mechanochemical synthesis and environmental testing of lanthanide and actinide refractory materials. A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Materials Science and Engineering Boise State University, May 2014, Boise, Idaho, 139 p

[3.1] KIM, B.J. - CHO, K.H. - OH, S.J. - CHOI, N.C. - PARK, C.Y. Mineralogical Transformation of Gold-silver Bearing Sulfide Concentrate by Mechanochemical Activation, and their Gold-silver Leaching with Non-cyanide Solution. In Journal of the Mineralogical Society of Korea, Vol. 27 (2014), Issue 3, 115-124

[3.1] LESHCHYNSKY, V. - WEINERT, H. - CHOJNACKA, J. - WISNIEWSKI, T. - MARTÍNEZ PÉREZ, C.A. - TILVALDYEV, Sh. Jet milling and thermal processing of argentum jarosite nanoparticles for silver recycling. In Nano Studies, 2013, 7, 35-40.

ADCA29 BALÁŽ, Peter - NOVOTNÁ, Andrea - ACHIMOVIČOVÁ, Marcela - FICERIOVÁ, Jana - GODOČÍKOVÁ, Erika. Mechanochemistry in hydrometallurgy of sulphide minerals. In *Hydrometallurgy*, 2005, vol. 77., no. 1-2, p. 9-17. (1.088 - IF2004). (2005 - Current Contents). ISSN 0304-386X.

Ohlasy:

[1.1] BAFGHI, M. Sh - EMAMI, A. H. - ZAKERI, A. Effect of Specific Surface Area of a Mechanically Activated Chalcopyrite on Its Rate of Leaching in Sulfuric Acid-Ferric Sulfate Media. In METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE. ISSN 1073-5615, 2013, vol. 44, no. 5, pp. 1166., WOS

[1.1] FRISCIC, Tomislav - HALASZ, Ivan - STRUKIL, Vjekoslav - ECKERT-MAKSIC, Mirjana - DINNEBIER, Robert E. Clean and Efficient Synthesis Using Mechanochemistry: Coordination Polymers, Metal-Organic Frameworks and Metallodrugs. In CROATICA CHEMICA ACTA. ISSN 0011-1643, 2012, vol. 85, no. 3, pp. 367., WOS

[1.1] CHEN, Cui-Xia - HUANG, Biao - LI, Tao - WU, Geng-Feng. PREPARATION OF PHOSPHORIC ACID ACTIVATED CARBON FROM SUGARCANE BAGASSE BY MECHANOCHEMICAL PROCESSING. In BIORESOURCES. ISSN 1930-2126, 2012, vol. 7, no. 4, pp. 5109., WOS

[1.1] LI, Xuan-hai - ZHANG, Yan-juan - PAN, Liu-ping - WEI, Yan-song. Effect of mechanical activation on dissolution kinetics of neutral leach residue of zinc calcine in sulphuric acid. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2013, vol. 23, no. 5, pp. 1512., WOS

[1.1] NASSER, Ahmed - MINGELGRIN, Uri. Mechanochemistry: A review of surface reactions and environmental applications. In APPLIED CLAY SCIENCE. ISSN 0169-1317, 2012, vol. 67-68, no., pp. 141., WOS

- [1.1] NASSER, A. - MINGELGRIN, U. Birnessite-induced mechanochemical degradation of 2,4-dichlorophenol. In CHEMOSPHERE. ISSN 0045-6535, 2014, vol. 107, no., pp. 175., WOS
- [1.1] PATHAK, C. S. - MISHRA, D. D. - AGARAWALA, V. - MANDAL, M. K. Mechanochemical synthesis, characterization and optical properties of zinc sulphide nanoparticles. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2012, vol. 86, no. 9, pp. 777., WOS
- [1.1] RALPHS, Kathryn - HARDACRE, Christopher - JAMES, Stuart L. Application of heterogeneous catalysts prepared by mechanochemical synthesis. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2013, vol. 42, no. 18, pp. 7701., WOS
- [1.1] VAFAEIAN, S. - AHMADIAN, M. - REZAEI, B. Sulphuric acid leaching of mechanically activated copper sulphidic concentrate. In MINERALS ENGINEERING. ISSN 0892-6875, 2011, vol. 24, no. 15, pp. 1713., WOS
- [1.1] XUE, Yongjie - WU, Shaopeng - ZHOU, Min. Adsorption characterization of Cu(II) from aqueous solution onto basic oxygen furnace slag. In CHEMICAL ENGINEERING JOURNAL. ISSN 1385-8947, 2013, vol. 231, no., pp. 355., WOS
- [1.1] ZHU, Xing Yi - LIN, Hai Min - CHEN, Xiu - XIE, Jie - WANG, Ping. Mechanochemical-Assisted Extraction and Antioxidant Activities of Kaempferol Glycosides from Camellia oleifera Abel. Meal. In JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY. ISSN 0021-8561, 2011, vol. 59, no. 8, pp. 3986., WOS
- [1.2] CHEN, C.X. - HUANG, J.F. - WU, G.F. - LIN, G.F. - LU, Z.X. - CHEN, Y.D. - CHEN, X.R. - HUANG, B. Preparation of phosphoric acid activated carbon. In Chemistry of Industry and Forest Products, Vol. 33 (2013), p. 50-54., SOCOPUS

ADCA30 BALÁŽ, Peter - POURGHAHRAMANI, Parviz - ACHIMOVÍČOVÁ, Marcela - DUTKOVÁ, Erika - KOVÁČ, Jaroslav - ŠATKA, A. - JIANG, J. Mechanochemical synthesis and reactivity of PbS nanocrystals. In *Journal of Crystal Growth*, 2011, vol. 332, p. 1-6. (1.746 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0022-0248.

Ohlasy:

- [1.1] FANG, Zhen - WANG, Qin - WANG, Xiaoqing - ZHU, Baichuan - FAN, Fan - WANG, Chenyan - LIU, Xiaowang. Ethylenediamine inducing growth of (100) facets exposed PbS nanosheets. In CRYSTAL RESEARCH AND TECHNOLOGY. ISSN 0232-1300, 2012, vol. 47, no. 6, pp. 635., WOS
- [1.1] LI, Shaohua - TAN, Guolong - MUROWCHICK, James B. - WISNER, Clarissa - LEVENTIS, Nickolas - XIA, Ting - CHEN, Xiaobo - PENG, Zhonghua. Preparation of Uncapped CdSexTe1-x Nanocrystals with Strong Near-IR Tunable Absorption. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2013, vol. 42, no. 12, pp. 3373., WOS
- [1.1] TAN, Guo-Long - LIU, Limin - WU, Weibing. Mid-IR band gap engineering of CdxPb1-xS nanocrystals by mechanochemical reaction. In AIP ADVANCES. ISSN 2158-3226, 2014, vol. 4, no. 6, pp., WOS
- [1.1] URAKAEV, Farit Kh. Mechanochemical synthesis of nanoparticles by a dilution method: derivation of kinetic equations. In MENDELEEV COMMUNICATIONS. ISSN 0959-9436, 2012, vol. 22, no. 2, pp. 103., WOS
- [1.2] FABIAN, M - FICERIOVA, J - BRIANCIN, J - HARVANNOVA, J.

Alternative methods of obtaining silver from waste solutions using cementation. In Transactions of the Institutions of Mining and Metallurgy, Section C: Mineral Processing and Extractive Metallurgy. ISSN:0371-9553, vol.122, iss.3, September 2013, pp. 133-136, SCOPUS

[3.1] KANCA, A. Characterization and reactivity studies for chemical loop gasification of high sulfur lignites. A Thesis Submitted to the Graduate School of Natural and Applied Sciences of Middle East Technical University, Department of Chemical Engineering, METU Çankaya, Ankara, Turkey, 149 p.

ADCA31 BALÁŽ, Peter - FABIÁN, Martin - PASTOREK, Michal - CHOLUJOVÁ, Dana - SEDLÁK, Ján. Mechanochemical preparation and anticancer effect of realgar As₄S₄ nanoparticles. In *Materials Letters*, 2009, vol. 63, no. 17, p. 1542-1544. (1.748 - IF2008). ISSN 0167-577X.

Ohlasy:

[1.1] AN, Yan-li - NIE, Fang - WANG, Zi-yu - ZHANG, Dong-sheng. Preparation and characterization of realgar nanoparticles and their inhibitory effect on rat glioma cells. In INTERNATIONAL JOURNAL OF NANOMEDICINE. ISSN 1178-2013, 2011, vol. 6, no., pp. 3187., WOS

[1.1] CHEN, Peng - YAN, Lei - WANG, Qiang - LI, Yang - LI, Hongyu. Surface alteration of realgar (As₄S₄) by Acidithiobacillus ferrooxidans. In INTERNATIONAL MICROBIOLOGY. ISSN 1139-6709, 2012, vol. 15, no. 1, pp. 9., WOS

[1.1] CHEN, P. - YAN, L. - LENG, F.F. - NAN, W.B. - YUE, X.X. - ZHENG, Y.N. - FENG, N. - LI, H.Y. Bioleaching of realgar by Acidithiobacillus ferrooxidans using ferrous iron and elemental sulfur as the sole and mixed energy sources. In BIORESOURCE TECHNOLOGY. ISSN 0960-8524, FEB 2011, vol. 102, no. 3, p. 3260-3267., WOS

[1.1] JAMES, Stuart L. - ADAMS, Christopher J. - BOLM, Carsten - BRAGA, Dario - COLLIER, Paul - FRISCIC, Tomislav - GREPIONI, Fabrizia - HARRIS, Kenneth D. M. - HYETT, Geoff - JONES, William - KREBS, Anke - MACK, James - MAINI, Lucia - ORPEN, A. Guy - PARKIN, Ivan P. - SHEAROUSE, William C. - STEED, Jonathan W. - WADDELL, Daniel C. Mechanochemistry: opportunities for new and cleaner synthesis. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2012, vol. 41, no. 1, pp. 413., WOS

[1.1] TIAN, Ye - WANG, Xiaobo - XI, Ronggang - PAN, Weisan - JIANG, Shuang - LI, Zhao - ZHAO, Yu - GAO, Guanghui - LIU, Dan. Enhanced antitumor activity of realgar mediated by milling it to nanosize. In INTERNATIONAL JOURNAL OF NANOMEDICINE. ISSN 1178-2013, 2014, vol. 9, no., pp. 745., WOS

[1.1] WU, J.Z. - SHAO, Y.B. - LIU, J.L. - CHEN, G. - HO, P.C. The medicinal use of realgar (As₄S₄) and its recent development as an anticancer agent. In JOURNAL OF ETHNOPHARMACOLOGY. ISSN 0378-8741, JUN 1 2011, vol. 135, no. 3, p. 595-602., WOS

[1.1] ZHAO, Weizhong - LU, Xun - YUAN, Yuan - LIU, Changsheng - YANG, Baican - HONG, Hua - WANG, Guoying - ZENG, Fanyan. Effect of size and processing method on the cytotoxicity of realgar nanoparticles in cancer cell lines. In INTERNATIONAL JOURNAL OF NANOMEDICINE. ISSN 1178-2013, 2011, vol. 6, no., pp. 1569., WOS

- ADCA32 BALÁŽ, Peter - BOLDIŽÁROVÁ, Eva - GODOČÍKOVÁ, Erika - BRIANČIN, Jaroslav. Mechanochemical route for sulphide nanoparticles preparation. In *Materials Letters*, 2003, vol. 57, p. 1585-1589. ISSN 0167-577X.
- Ohlasy:
- [1.1] AKHTAR, Tabassum - ALAM, Masood. Preparation and Dielectric Properties of Polythiophene/Cadmium Oxide Nanocomposite. In *ADVANCED SCIENCE LETTERS*. ISSN 1936-6612, 2014, vol. 20, no. 7-9, pp. 1509., WOS
- [1.1] DAS, Anirban - WAI, Chien M. Ultrasound-assisted synthesis of PbS quantum dots stabilized by 1,2-benzenedimethanethiol and attachment to single-walled carbon nanotubes. In *ULTRASONICS SONOCHEMISTRY*. ISSN 1350-4177, 2014, vol. 21, no. 2, pp. 892., WOS
- [1.1] EHRLICH, Heinrich - SHCHERBA, Tatyana - ZHILENKO, Marina - LISICHKIN, Georgy. Peculiarities of formation and luminescence of ZnS nanoparticles modified with amino acids. In *MATERIALS LETTERS*. ISSN 0167-577X, 2011, vol. 65, no. 1, pp. 107., WOS
- [1.1] JAPIC, Dajana - BITENC, Marko - MARINSEK, Marjan - OREL, Zorica Crnjak. The impact of nano-milling on porous ZnO prepared from layered zinc hydroxide nitrate and zinc hydroxide carbonate. In *MATERIALS RESEARCH BULLETIN*. ISSN 0025-5408, 2014, vol. 60, no., pp. 738., WOS
- [1.1] KACI, S. - KEFFOUS, A. - GUERBOUS, L. - TRARI, M. Preparation and room temperature photoluminescence characterization of PbS/Si (100) thin films. In *THIN SOLID FILMS*. ISSN 0040-6090, 2011, vol. 520, no. 1, pp. 79., WOS
- [1.1] MANJULAVALLI, T. E. - KANNAN, A. G. - VELUMANI, S - MUTHUKUMARASAMY, N. Structural and Optical Characterization of Pure and Mn²⁺-doped ZnS Nanoparticles Prepared by Solvothermal Method. In *ADVANCES IN NANOSCIENCE AND NANOTECHNOLOGY*. ISSN 1022-6680, 2013, vol. 678, no., pp. 61., WOS
- [1.1] PARK, Eunseuk - CHIN, Sungmin - JEONG, Juyoung - JURNG, Jongsoo. Low-temperature NO oxidation over Mn/TiO₂ nanocomposite synthesized by chemical vapor condensation: Effects of Mn precursor on the surface Mn species. In *MICROPOROUS AND MESOPOROUS MATERIALS*. ISSN 1387-1811, 2012, vol. 163, no., pp. 96., WOS
- [1.1] PARK, Eunseuk - CHIN, Sungmin - KIM, Yeon Seok - BAE, Gwi-Nam - JURNG, Jongsoo. One-step synthesis and properties of MnO_x/TiO₂ nanocomposites prepared by chemical vapor condensation process. In *POWDER TECHNOLOGY*. ISSN 0032-5910, 2013, vol. 233, no., pp. 131., WOS
- [1.1] PATEL, Jayesh D. - MIGHRI, Frej - AJJI, Abdellah - CHAUDHURI, Tapas K. Morphology and size control of lead sulphide nanoparticles produced using methanolic lead acetate trihydrate-thiourea complex via different precipitation techniques. In *MATERIALS CHEMISTRY AND PHYSICS*. ISSN 0254-0584, 2012, vol. 132, no. 2-3, pp. 747., WOS
- [1.1] PATHAK, C. S. - MANDAL, M. K. - AGARWALA, V. Synthesis and characterization of zinc sulphide nanoparticles prepared by mechanochemical route. In *SUPERLATTICES AND MICROSTRUCTURES*. ISSN 0749-6036, 2013, vol. 58, no., pp. 135., WOS
- [1.1] PATHAK, C. S. - MISHRA, D. D. - AGARWALA, V. - MANDAL, M. K. Optical properties of ZnS nanoparticles produced by mechanochemical method. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2012, vol. 38, no. 8, pp. 6191., WOS

- [1.1] POMOGAILO, Anatolii D. - KYDRALIEVA, Kamila A. - ZARIPOVA, Anar A. - MURATOV, Vladimir S. - DZHARDIMALIEVA, Gulzhian I. - POMOGAILO, Svetlana I. - GOLUBEVA, Nina D. - JOROBKOVA, Sharipa J. - COSTAMAGNA, J - RABAGLIATI, FM - RIVAS, BL. Magnetoactive Humic-Based Nanocomposites. In MACROMOLECULAR COMPLEXES. Book series: Macromolecular Symposia. ISSN 1022-1360, 2011, vol. 304, p. 18-23, WOS
- [1.1] PUA, Fei-Ling - CHIA, Chin-Hua - ZAKARIA, Sarani - NEOH, Soon-Keong - LIEW, Tze-Khong. Nano Transition Metal Sulfide Catalyst for Solvolysis Liquefaction of Soda Lignin. In SAINS MALAYSIANA. ISSN 0126-6039, 2011, vol. 40, no. 3, pp. 221., WOS
- [1.1] RAK, Monika J. - FRISCIC, Tomislav - MOORES, Audrey. Mechanochemical synthesis of Au, Pd, Ru and Re nanoparticles with lignin as a bio-based reducing agent and stabilizing matrix. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, no., pp. 155., WOS
- [1.1] RESTREPO, David - HICK, Sandra M. - GRIEBEL, Carolin - ALARCON, Juan - GIESLER, Kyle - CHEN, Yan - ORLOVSKAYA, Nina - BLAIR, Richard G. Size controlled mechanochemical synthesis of ZrSi₂. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2013, vol. 49, no. 7, pp. 707., WOS
- [1.1] SAIN, S. - PATRA, S. - PRADHAN, S. K. Quickest ever single-step mechanosynthesis of Cd_{0.5}Zn_{0.5} quantum dots: Nanostructure and optical characterizations. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2012, vol. 47, no. 4, pp. 1062., WOS
- [1.2] AZIB, T. - LABIADH, H. - GACEUR, M. - MONTERO, D. - AMMAR, S. - SMIRI, L. - BEN CHAABANE, T. Structural, microstructural and optical characterization of polyol-mediated ZnS/PVP nanocomposite powders and films. In Journal of Materials and Environmental Science, 2012, 3, 6, pp. 1147-1152., SCOPUS
- [1.2] BENSEBAA, F. Dry Production Methods. In Interface Science and Technology, 2013, 19, pp. 147-184., SCOPUS
- [1.2] MOTE, V.D. - PURUSHOTHAM, Y. - DOLE, B.N. Structural, morphological and optical properties of Mn doped ZnS nanocrystals. In Ceramica, Vol. 59 (2013), p. 395-400, SCOPUS
- [1.2] MOTE, V.D. - PURUSHOTHAM, Y. - DOLE, B.N. Structural, morphological and optical properties of Mn doped ZnS nanocrystals. In Ceramica, Vol. 59 (2013), p. 614-619, SCOPUS
- [1.2] PARK, E. - KIM, M. - JUNG, H. - CHIN, S. - JURNG, J. Effect of sulfur on Mn/Ti catalysts prepared using chemical vapor condensation (CVC) for low-temperature NO reduction. In ACS Catalysis, 2013, 3, 7, pp. 1518-1525., SCOPUS
- [3.1] RODE, M.N. - KAWADE, V.B. - CHAVAN, B.R. Synthesis and Characterization of L-Threonine doped NiS Nanoparticle for Optoelectronic devices. In International Journal of Scientific & Engineering Research, Vol. 5 (2014), Issue 7, 784-789

ADCA33 BALÁŽ, Peter - ACHIMOVIČOVÁ, Marcela. Mechano-chemical leaching in hydrometallurgy of complex sulphides. In *Hydrometallurgy*, 2006, vol. 84, p. 60-68. (1.163 - IF2005). ISSN 0304-386X.

Ohlasy:

- [1.1] ABKHOSHK, E. - JORJANI, E. - AL-HARAHSEH, M. S. - RASHCHI, F. - NAAZERI, M. Review of the hydrometallurgical processing of non-sulfide zinc ores. In HYDROMETALLURGY. ISSN 0304-386X, 2014, vol. 149, no., pp. 153., WOS
- [1.1] ANDRIC, Ljubisa - TERZIC, Anja - ACIMOVIC-PAVLOVIC, Zagorka - TRUMIC, Milan - PETROV, Milan - PAVLOVIC, Ljubica. A Kinetic Study of Micronization Grinding of Dry Mica in a Planetary Ball Mill. In ADVANCES IN MATERIALS SCIENCE AND ENGINEERING. ISSN 1687-8434, 2013, vol., no., pp., WOS
- [1.1] ANDRIC, Ljubisa - TERZIC, Anja - ACIMOVIC-PAVLOVIC, Zagorka - PAVLOVIC, Ljubica - PETROV, Milan. Comparative kinetic study of mechanical activation process of mica and talc for industrial application. In COMPOSITES PART B-ENGINEERING. ISSN 1359-8368, 2014, vol. 59, no., pp. 181., WOS
- [1.1] HASHEMZADEHFINI, Mohsen - FICERIOVA, Jana - ABKHOSHK, Emad - SHAHRAKI, Behrouz Karimi. Effect of mechanical activation on thiosulfate leaching of gold from complex sulfide concentrate. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2011, vol. 21, no. 12, pp. 2744., WOS
- [1.1] HUANG, Zuqiang - TAN, Yunfang - ZHANG, Yanjuan - LIU, Xiaoping - HU, Huayu - QIN, Yuben - HUANG, Hongming. Direct production of cellulose laurate by mechanical activation-strengthened solid phase synthesis. In BIORESOURCE TECHNOLOGY. ISSN 0960-8524, 2012, vol. 118, no., pp. 624., WOS
- [1.1] MUCSI, Gabor - RACZ, Adam - MADAI, Viktor. Mechanical activation of cement in stirred media mill. In POWDER TECHNOLOGY. ISSN 0032-5910, 2013, vol. 235, no., pp. 163., WOS
- [1.1] MUCSI, G. - MOLNAR, Z. - KUMAR, S. Geopolymerisation of Mechanically Activated Lignite and Brown Coal Fly Ash. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2014, vol. 126, no. 4, pp. 994., WOS
- [1.1] RASCHMAN, Pavel - SMINCAKOVA, Emilia. Kinetics of leaching of stibnite by mixed Na₂S and NaOH solutions. In HYDROMETALLURGY. ISSN 0304-386X, 2012, vol. 113, no., pp. 60., WOS
- [1.1] SAFARZADEH, M. Sadegh - MOATS, Michael S. - MILLER, Jan D. RECENT TRENDS IN THE PROCESSING OF ENARGITE CONCENTRATES. In MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW. ISSN 0882-7508, 2014, vol. 35, no. 5, pp. 283., WOS
- [1.1] WANG JUN - ZHAO HONG-BO - QIN WEN-QING - QIU GUAN-ZHOU. Bioleaching of complex polymetallic sulfide ores by mixed culture. In JOURNAL OF CENTRAL SOUTH UNIVERSITY. ISSN 2095-2899, 2014, vol. 21, no. 7, pp. 2633., WOS
- [1.1] YANG, Jian-guang - TANG, Chao-bo - CHEN, Yong-ming - HE, Jing - TANG, Mo-tang. Separation of antimony from a stibnite concentrate through a low-temperature smelting process to eliminate SO₂ emission. In TMS2011 SUPPLEMENTAL PROCEEDINGS, VOL 3: GENERAL PAPER SELECTIONS, 2011, vol., no., pp. 749., WOS
- [1.1] YANG, Jian-Guang - TANG, Chao-Bo - CHEN, Yong-Ming - TANG, Mo-Tang. Separation of Antimony from a Stibnite Concentrate Through a

Low-Temperature Smelting Process to Eliminate SO₂ Emission. In METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE. ISSN 1073-5615, 2011, vol. 42, no. 1, pp. 30., WOS

[1.1] YANG, Jian-guang - WU, Yong-tian. A hydrometallurgical process for the separation and recovery of antimony. In HYDROMETALLURGY. ISSN 0304-386X, 2014, vol. 143, no., pp. 68., WOS

[1.1] YAO, J. H. - LI, X. H. - LI, Y. W. STUDY ON INDIUM LEACHING FROM MECHANICALLY ACTIVATED HARD ZINC RESIDUE. In JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY. ISSN 1450-5339, 2011, vol. 47, no. 1, pp. 63., WOS

[1.1] ZHANG, Chenglong - WANG, Jingwei - BAI, Jianfeng - ZHAO, Youcai. Recovering of zinc from solid waste bearing sphalerite or zinc ferrite by mechano-chemical extraction in alkaline solution. In SEVENTH INTERNATIONAL CONFERENCE ON WASTE MANAGEMENT AND TECHNOLOGY (ICWMT 7). ISSN 1878-0296, 2012, vol. 16, no., pp. 786., WOS

[1.1] ZHANG, Chenglong - WANG, Jingwei - BAI, Jianfeng - GUAN, Jie - WU, Wenjie - GUO, Cuixiang. Recovering lead from cathode ray tube funnel glass by mechano-chemical extraction in alkaline solution. In WASTE MANAGEMENT & RESEARCH. ISSN 0734-242X, 2013, vol. 31, no. 7, pp. 759., WOS

[1.1] ZHANG, Yanjuan - GAN, Tao - LUO, Yuanwei - ZHAO, Xiaohong - HU, Huayu - HUANG, Zuqiang - HUANG, Aimin - QIN, Xingzhen. A green and efficient method for preparing acetylated cassava stillage residue and the production of all-plant fibre composites. In COMPOSITES SCIENCE AND TECHNOLOGY. ISSN 0266-3538, 2014, vol. 102, no., pp. 139., WOS

[1.2] AWE, Samuel Ayowole - SANDSTRÖM, Åke. Upgrading of an impure copper concentrate for pyrometallurgical processing. In Proceedings European Metallurgical Conference, EMC 2011, 2011-12-01, 1, pp. 15-32., SCOPUS

[1.2] DODANGEH, A. - HALALI, M. - HAKIM, M. - BAKHSHANDEH, M. R. Leaching kinetics of stibnite in sodium hydroxide solution. In International Journal of Engineering, Transactions B: Applications. ISSN 1728-144X, 2014-01-01, 27, 2, pp. 325-332., SCOPUS

[1.2] ERDEMOĞLU, Murat - BALÁŽ, Peter. An overview of surface analysis techniques for characterization of mechanically activated minerals. In Mineral Processing and Extractive Metallurgy Review. ISSN 08827508, 2012-01-01, 33, 1, pp. 65-88., SCOPUS

[1.2] GÖKTAŞ, M. - ŞENER, M. - ERDEMOĞLU, M. Mechanical activation of synthetic wollastonite (CaSiO₃) production | Yapay wollastonit (CaSiO₃) üretiminin mekanik aktivasyonu. In 23rd International Mining Congress and Exhibition of Turkey, IMCET 2013, 2013-01-01, 1, pp. 261-266., SCOPUS

[1.2] MUCSI, G. - MOLNÁR, Z. - KUMAR, S. Geopolymerisation of mechanically activated lignite and brown coal fly ash. In Proceedings of the 8th International Conference on Mechanochemistry and Mechanical Alloying, INCOME 2014, 2014-01-01, pp. 994-998., SCOPUS

[1.2] RÁCZ, Ádám - CSÖKE, Barnabás - MOLNÁR, Zoltán - TÖRÖK, Viktor - MUCSI, Gábor - MÁDAI, Viktor. Effect of the grinding circumstances

- on the mechanical activation of fly ash in stirred media mill. In IMPC 2014 27th International Mineral Processing Congress, 2014-01-01, pp., SCOPUS
- [1.2] SHIBAYAMA, A. - TONGAMP, W. - HAGA, K. Selective arsenic and antimony removal by alkaline leaching and precipitation from enargite and tennantite/tetrahedrite ORE. In 26th International Mineral Processing Congress, IMPC 2012: Innovative Processing for Sustainable Growth Conference Proceedings, 2012-12-01, pp. 4972-4985., SCOPUS
- [1.2] YANG, Jian guang - TANG, Chao bo - CHEN, Yong ming - HE, Jing - TANG, Mo tang. Separation of Antimony from a Stibnite Concentrate through a Low-Temperature Smelting Process to Eliminate SO₂ emission. In Supplemental Proceedings: General Paper Selections, 2011-05-03, 3, pp. 749-756., SCOPUS
- [1.2] YANG, Jian Guang - TANG, Chao Bo - CHEN, Yong Ming - HE, Jing - TANG, Mo Tang. Separation of antimony from a stibnite concentrate through a low-temperature smelting process to eliminate SO₂ emission. In TMS Annual Meeting, 2011-07-27, 3, pp. 749-756., SCOPUS
- [1.2] ZHAN, Xue Hui - LI, Zhao Hui - ZHAN, Han Hui - LI, Fei - CAO, Fen - LI, Xia - ZHOU, Sui An. Leaching of galena by manganese dioxide in hydrochloric acid solution. In Zhongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Central South University (Science and Technology). ISSN 16727207, 2012-06-01, 43, 6, pp. 2084-2088., SCOPUS
- [3.1] MARTIM, H.C. - VML DOS SANTOS, V.M.L. Avaliação de impactos ambientais em empresa de mineração de cobre utilizando redes de interação. In Revista do Centro do Ciências Naturais e Exatas - UFSM, Santa Maria, Revista Eletronica em Gestão, Educação e Tecnologia Ambiental - REGET, REGET/UFSM, Vol 17 (2013), No 17, 3246-3257
- [3.1] YOU, D.S. - PARK, C.Y. Enhancement of Au•Ag Leaching by Mechanochemical Activation and Thiourea-Thiocyanate Mixing Solution. In Journal of the Korean Earth Science Society, Vol. 35 (2014), Issue 6, 401-411

ADCA34 BALÁŽ, Peter - KUŠNIEROVÁ, Mária - VARENCOVÁ, V. - MIŠURA, B. Mineral properties and bacterial leaching of intensively ground sphalerite and sphalerite pyrite mixture. In *International Journal of Mineral Processing*, 1994, vol. 40, no. 3-4, p. 273-285. ISSN 0301-7516.

Ohlasy:

- [1.1] GHORBANI, Yousef - BECKER, Megan - MAINZA, Aubrey - FRANZIDIS, Jean-Paul - PETERSEN, Jochen. Large particle effects in chemical/biochemical heap leach processes A review. In MINERALS ENGINEERING. ISSN 0892-6875, 2011, vol. 24, no. 11, pp. 1172., WOS
- [1.1] MORADI, S. - MONHEMIUS, A. J. Mixed sulphide-oxide lead and zinc ores: Problems and solutions. In MINERALS ENGINEERING. ISSN 0892-6875, 2011, vol. 24, no. 10, pp. 1062., WOS
- [1.2] DONG, Ying Bo - LIN, Hai - ZHOU, Shan Shan. Inhibition mechanism of xanthate collectors on chalcopyrite bioleaching. In Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals. ISSN 10040609, 2012-11-01, 22, 11, pp. 3201-3207., SCOPUS

ADCA35 BALÁŽ, Peter - BRIANČIN, Jaroslav - ŠEPELÁK, Vladimír - HAVLÍK, Tomáš - ŠKROBIAN, Milan. Non-oxidative leaching of mechanically activated stibnite. In *Hydrometallurgy*, 1992, vol. 31, p. 201-212. ISSN 0304-386X.

Ohlasy:

[1.1] GÖK, Özge. Catalytic production of antimonate through alkaline leaching of stibnite concentrate. In *Hydrometallurgy*. ISSN 0304386X, 2014-01-01, 149, pp. 23-30., WOS

[1.1] LIU, Wei - LUO, Honglin - QING, Wenqing - ZHENG, Yongxing - YANG, Kang - HAN, Junwei. Investigation into oxygen-enriched bottom-blown stibnite and direct reduction. In *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*. ISSN 10735615, 2014-01-01, 45, 4, pp. 1281-1290., WOS

[1.1] LI, X.-H. - ZHANG, Y.-J. - PAN, L.-P. - WEI, Y.-S. Effect of mechanical activation on dissolution kinetics of neutral leach residue of zinc calcine in sulphuric acid. In *Transactions of Nonferrous Metals Society of China (English Edition)*, 2013, 23, 5, pp. 1512-1519., WOS

[1.1] WAHEED-UR-REHMAN - RIAZ, M. - ISHAQ, M. Pilot plant studies on the extraction of antimony metal from lower grade krunj stibnite ore. In *Journal of the Chemical Society of Pakistan*, 2013, 35, 3, pp. 726-729., WOS

[1.1] XUE, Haotian - CHEN, Yongming - YANG, Shenghai - TANG, Chaobo - TANG, Motang. Reductive Sulfur-fixation smelting of stibnite concentrate in sodium molten salt. In *TMS Annual Meeting*, 2014-01-01, pp. 59-66., WOS

[1.1] YANG, Jian Guang - WU, Yong Tian. A hydrometallurgical process for the separation and recovery of antimony. In *Hydrometallurgy*. ISSN 0304386X, 2014-03-01, 143, pp. 68-74., WOS

[1.1] YANG, J.-G. - TANG, C.-B. - CHEN, Y.-M. - TANG, M.-T. Separation of antimony from a stibnite concentrate through a low-temperature smelting process to eliminate SO₂ emission. In *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, 2011, vol.42, no.1, 30-36., WOS

[1.2] YANG, J.-G. - TANG, C.-B. - CHEN, Y.-M. - HE, J. - TANG, M.-T. Separation of antimony from a stibnite concentrate through a low-temperature smelting process to eliminate SO₂ emission. In *TMS Annual Meeting*, 2011, vol.3, 749-756., SCOPUS

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkalické lúgovanie antymonu z prírodného stybnitu. In *Rudy i Metale Nieželazne Recykling*, R. 59 (2014), nr. 3, 122-126.

ADCA36 BALÁŽ, Peter - EBERT, I. Oxidative Leaching of Mechanically Activated Sphalerite. In *Hydrometallurgy*, 1991, vol. 27, p. 141-150. ISSN 0304-386X.

Ohlasy:

[1.1] YAO, J. - LI, X. - PAN, L. - MO, J.M. Enhancing Physicochemical Properties and Indium Leachability of Indium-Bearing Zinc Ferrite Mechanically Activated Using Tumbling Mill. In *Metallurgical and Materials Transactions B-Process Metallurgy and Materials Processing Science*, Vol. 43 (2012), Issue 3, 449-459, WOS

[1.1] ZHANG, C. - WANG, J. - BAI, J. - GUAN, J. - WU, W. - GUO, C. Recovering lead from cathode ray tube funnel glass by mechano-chemical extraction in alkaline solution. In *Waste Management & Research*, Vol. 31 (2013), p. 759-763, WOS

[1.1] ZHANG, C.L. - WANG, J.W. - BAI, J.F. - ZHAO, Y.C. Recovering of zinc from solid waste bearing sphalerite or zinc ferrite by mechano-chemical

extraction in alkaline solution. Book Editor(s): Jinhui, L. - Hualong, H. Book Series: Procedia Environmental Sciences, Vol. 16 (2012) 786-790., WOS

- ADCA37 BALÁŽ, Peter - POURGHAHRAMANI, Parviz - DUTKOVÁ, Erika - FABIÁN, Martin - KOVÁČ, Jaroslav - ŠATKA, A. PbS nanostructures synthesized via surfactant assisted mechanochemical route. In *Central European Journal of Chemistry*, 2009, vol. 7, no. 2, p. 215-221. (0.741 - IF2008). ISSN 1895-1066.

Ohlasy:

- [1.1] MOCANU, Alexandra - RUSEN, Edina - DIACON, Aurel - DINESCU, Adrian. Hierarchical nanostructures of PbS obtained in the presence of water soluble polymers. In *POWDER TECHNOLOGY*. ISSN 0032-5910, 2014, vol. 253, no., pp. 237., WOS
- [1.1] PANDEY, Gajanan - SHRIVASTAV, Sarika - SHARMA, Harendra K. Role of solution pH and SDS on shape evolution of PbS hexagonal disk and star/flower shaped nanocrystals in aqueous media. In *PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES*. ISSN 1386-9477, 2014, vol. 56, no., pp. 386., WOS

- ADCA38 BALÁŽ, Peter - MOCKOVČIAKOVÁ, Annamária - BOLDIŽÁROVÁ, Eva - FICERIOVÁ, Jana. Physical and chemical changes of sulphides during intensive grinding in organic liquids. In *Powder Technology*, 1998, vol. 98., no.1, p. 74-78. ISSN 0032-5910.

Ohlasy:

- [1.1] ACHIMOVÍČOVÁ, M. - BUJŇÁKOVÁ, Z. - FABIÁN, M. - ZORKOVSKÁ, A. Study of de-aggregation of mechanochemically synthesized ZnSe nanoparticles by re-milling in the presence of ZnCl₂ solution. In *Acta Montanistica Slovaca*, Vol. 18 (2013), p. 119-124, WOS

- ADCA39 BALÁŽ, Peter - GODOČÍKOVÁ, Erika - KRIĽOVÁ, Lenka - LOBOTKA, Peter - GOCK, Eberhard. Preparation of nanocrystalline materials by high-energy milling. In *Materials Science and Engineering*. A.Structural Materials, 2004, vol. 386, p. 442-446. (1.363 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

- [1.1] MA, G.Z. - XU, B.S. - WANG, H.D. - WANG, X.H. - LI, G.L. - ZHANG, S. In *SURFACE & COATINGS TECHNOLOGY*. APR 25 2013, vol. 221, p. 142-149., WOS
- [1.1] NAYAK, P. - BADAPANDA, T. - PATTANAYAK, R. - MISHRA, A. - ANWAR, S. - SAHOO, P. - PANIGRAHI, S. In *METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE*. APR 2014, vol. 45A, no. 4, p. 2132-2141., WOS
- [1.1] SERRANO, T. - GOMEZ, I. In *WORLD CONGRESS ON ENGINEERING - WCE 2013, VOL III*. 2013, p. 2087-2090., WOS
- [1.2] MAPARU, A.K. - CHINEY, A. - GANVIR, V. - RAI, B. A process for the production of stable metal oxide nanoparticle suspensions by ultra-fine grinding. In *26th International Mineral Processing Congress, IMPC 2012: Innovative Processing for Sustainable Growth - Conference Proceedings*, (2012), 3264-3273, SCOPUS
- [3.1] CERQUEIRA, V.R. Síntese e sinterização de pós-compósitos de alumina-boretos de alta dureza por moagem de alta energia. Tese apresentada ao

Programa de Pós-graduação em Ciência e Engenharia de Materiais como requisito parcial à obtenção do título de Doutor Em Ciência e Engenharia de Materiais. Universidade Federal de São Carlos Centro de Ciências Exatas e de Tecnologia Programa de Pós-Graduação em Ciência e Engenharia de Materiais, São Carlos - SP, 2014, São Paulo - Brazil, 172 p.

[3.1] HAGHIGHI POUDEH, L. High Energy Milling and Spray Drying Characteristics of MoO₃, Cr₂O₃ and WO₃ Powders. M.Sc. Thesis. Istanbul Technical University - Graduate School of Science, Engineering and Technology, Department of Metallurgical and Materials Engineering, Ceramics Engineering Programme, January 2014, 85

[3.1] SHRIVASTAVA, S. - SUBOHI, O. - MALIK, M.M. Ferroelectric Properties of Strontium Bismuth Titanate (SrBi₄Ti₄O₁₅) Synthesized Using Solution Combustion Technique. In Nano Hybrids, Vol. 3 (2013), 67-79.

[3.1] XU, L. - KUANG, D. - DENG, Y. The Preparation Technology and Application of Copper Nanoparticles. In Materials Review (China), Vol. 27 (2013), No. 1, 37-41

ADCA40 BALÁŽ, Peter - TAKACS, Laszlo - GODOČÍKOVÁ, Erika - ŠKORVÁNEK, Ivan - KOVÁČ, Jozef - CHOI, W.S. Preparation of nanosized antimony by mechanochemical reduction of antimony sulphide Sb₂S₃. In *Journal of Alloys and Compounds*, 2007, vol. 434-435, p. 773-775. (1.250 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] MATEJKA, V. - LU, Y. - MATEJKOVA, P. - SMETANA, B. - KUKUTSCHOVA, J. - VACULIK, M. - TOMASEK, V. - ZLA, S. - FAN, Y. Possible stibnite transformation at the friction surface of the semi-metallic friction composites designed for car brake linings. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2011, vol. 258, no. 5, pp. 1862., WOS

[1.1] SEPELAK, Vladimir - GRIGORYEVA, Tatyana Fedorovna. A non-thermal route to oxide nanocomposites by mechanochemical redox reactions. In INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY. ISSN 0268-1900, 2014, vol. 49, no. 2-3, SI, p. 82-96., WOS

[1.1] SEPELAK, V. - ISFAHANI, M. J. Nasr - MYNDYK, M. - GHAFARI, M. - FELDHOFF, A. - BECKER, K. D. Complementary Fe-57 and Sn-119 Mossbauer study of mechanochemical redox reaction. In HYPERFINE INTERACTIONS. ISSN 0304-3843, 2011, vol. 202, no. 1-3, pp. 39., WOS

[1.1] SETOUDEH, N. - WELHAM, N. J. Mechanochemical reduction of SrSO₄ by Mg. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, 2012, vol. 104, no., pp. 49., WOS

ADCA41 BALÁŽ, Peter - NGUYEN, Anh Van - FABIÁN, Martin - CHOLUJOVÁ, Danka - PASTOREK, Michal - SEDLÁK, Ján - BUJŇÁKOVÁ, Zdenka. Properties of arsenic sulphide As₄S₄ nanoparticles prepared by high-energy milling. In *Powder Technology*, 2011, vol. 211, p. 232-236. (1.887 - IF2010). (2011 - Current Contents). ISSN 0032-5910.

Ohlasy:

[1.1] CHEN, Peng - YAN, Lei - WANG, Qiang - LI, Yang - LI, Hongyu. Surface alteration of realgar (As₄S₄) by Acidithiobacillus ferrooxidans. In INTERNATIONAL MICROBIOLOGY. ISSN 1139-6709, 2012, vol. 15, no. 1, pp. 9., WOS

- [1.1] MORIBE, Kunikazu - UEDA, Keisuke - LIMWIKRANT, Waree - HIGASHI, Kenjiro - YAMAMOTO, Keiji. Nano-Sized Crystalline Drug Production by Milling Technology. In CURRENT PHARMACEUTICAL DESIGN. ISSN 1381-6128, 2013, vol. 19, no. 35, pp. 6246., WOS
- [1.2] RAMACHANDRA, B. - NAIDU, N.V.S. - SUGUNA, P. Development and validation of UV- visible spectrophotometric method for the analysis of methotrexate in pharmaceutical formulations. In Der Pharma Chemica, Vol. 5 (2013), p. 71-79, SCOPUS
- [1.2] YUAN, Lijia - WANG, Cong - LIU, Wei - LIU, Wenlong - GOU, Baodi - ZHANG, Tianlan. Realgar induces differentiation through ROS-dependent mitochondrial pathway in HL-60 cells. In Journal of Chinese Pharmaceutical Sciences. ISSN 10031057, 2013-03-01, 22, 2, pp. 184-189., SCOPUS

ADCA42 BALÁŽ, Peter - TAKACS, Laszlo - OHTANI, Tsukio - MACK, D.E. - BOLDIŽÁROVÁ, Eva - SOIKA, V. - ACHIMOVÍČOVÁ, Marcela. Properties of new nanosized tin sulphide phase obtained by mechanochemical route. In *Journal of Alloys and Compounds*, 2002, vol. 337, p. 76-82. (0.953 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

- [1.1] CHAI, L.Y. - LIANG, Y.J. - KE, Y. - MIN, X.B. - TANG, C.J. - ZHANG, H.J. - XIE, X.D. - YUAN, C.Y. Mechano-chemical sulfidization of zinc oxide by grinding with sulfur and reductive additives. In Transactions of Nonferrous Metals Society of China, Vol. 23 (2013), p.1129-1138, WOS
- [1.1] TAN, G.L. - WANG, M. Ferromagnetism of ternary Cd_{1-x}MnxTe nanocrystals. In IEEE Transactions on Mechanochemistry, Vol. 11 (2012), p. 236-238., WOS
- [1.1] TAN, G.L. - WANG, M. - WANG, K. - ZHANG, L. - YU, X.F. Optical properties and ferromagnetism of ternary Cd_{1-x}MnxTe nanocrystals. In JOURNAL OF NANOPARTICLE RESEARCH. 2011, vol. 13, no. 11, spec. iss. SI, p. 5799-5807, WOS

ADCA43 BALÁŽ, Peter - OHTANI, Z. - BASTL, Zdeněk - BOLDIŽÁROVÁ, Eva. Properties and reactivity of mechanochemically synthesized tin sulfides. In *Journal of Solid State Chemistry*, 1999, vol. 144, p. 1-7. ISSN 0022-4596.

Ohlasy:

- [1.1] COELHO, M. G. - DE ANDRADE, F. V. - DE LIMA, G. M. - AUGUSTI, R. - FERREIRA, M. P. - MARIA, D. A. - ARDISSON, J. D. Preparation of a new composite by reaction of SnBu₃Cl with TiCl₄ in the presence of NH₄OH-photocatalytic degradation of indigo carmine. In APPLIED ORGANOMETALLIC CHEMISTRY. ISSN 0268-2605, 2011, vol. 25, no. 3, pp. 220., WOS
- [1.1] JIANG, Zhoufeng - WANG, Cen - DU, Gaohui - ZHONG, Y. J. - JIANG, J. Z. In situ synthesis of SnS₂@graphene nanocomposites for rechargeable lithium batteries. In JOURNAL OF MATERIALS CHEMISTRY. ISSN 0959-9428, 2012, vol. 22, no. 19, pp. 9494., WOS
- [1.1] KIRUTHIGAA, G. - MANOHARAN, C. - RAJU, C. - JAYABHARATHI, J. - DHANAPANDIAN, S. Solid state synthesis and spectral investigations of nanostructure SnS₂. In SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY. ISSN

1386-1425, 2014, vol. 129, no., pp. 415., WOS

[1.1] KIRUTHIGAA, G. - MANOHARAN, C. - RAJU, C. - DHANAPANDIAN, S. - THANIKACHALAM, V. Synthesis and spectroscopic analysis of undoped and Zn doped SnS₂ nanostructure by solid state reaction method. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, 2014, vol. 26, no., pp. 533., WOS

[1.1] MA XING-TAI - XIN BAO-PING - WU YING - CHEN GANG - WU FENG - CHEN SHI. Preparation of Nano Sized SnS₂ by Coupling Reaction of Biological Reduction and Chemical Precipitation in Water-Oil Two-Phase System. In CHINESE JOURNAL OF INORGANIC CHEMISTRY. ISSN 1001-4861, 2011, vol. 27, no. 4, pp. 687., WOS

[1.1] REDDY, N. Koteeswara. Growth-Temperature Dependent Physical Properties of SnS Nanocrystalline Thin Films. In ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY. ISSN 2162-8769, 2013, vol. 2, no. 6, pp. P259., WOS

[1.1] YOGA, G. P. - COELHO, M. G. - DE LIMA, G. M. - BELCHIOR, J. C. Experimental and Theoretical Studies of the Thermal Behavior of Titanium Dioxide-SnO₂ Based Composites. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2011, vol. 115, no. 13, pp. 2719., WOS

[1.2] CHAI, Yanhua - LI, Jian - LU, Jianli. Growth and electrical properties of Sb-doped Sn₂S₃ films. In Zhenkong Kexue yu Jishu Xuebao/Journal of Vacuum Science and Technology. ISSN 16727126, 2011-02-01, 31, 1, pp. 89-94., SCOPUS

[1.2] LI, Yun - LI, Jian - WANG, Yan. Properties of Zn-doped Sn₂S₃ thin films. In Gongneng Cailiao/Journal of Functional Materials. ISSN 10019731, 2012-11-30, 43, 22, pp. 3180-3184., SCOPUS

[1.2] VOGA, G. P. - COELHO, M. G. - DE LIMA, G. M. - BELCHIOR, J. C. Experimental and theoretical studies of the thermal behavior of titanium dioxide-SnO₂ based composites. In Journal of Physical Chemistry A. ISSN 10895639, 2011-04-07, 115, 13, pp. 2719-2726., SCOPUS

[1.2] WANG, Yan - LI, Jian - LU, Jian Li. Preparation and optics characterization of the Sb-doped Sn₂S₃ thin films. In Gongneng Cailiao/Journal of Functional Materials. ISSN 10019731, 2011-04-01, 42, sUPPL. 2, pp. 320-324., SCOPUS

[3.1] MARÍN, R.A.S - LUÉVANOS, A.M. - CASTRO, M.E.S. - ZENDEJO, F.R.S. - BRIONES, A.N. Mecanosíntesis: una ruta alternativa para la obtención de óxidos sólidos con aplicación como cátodos en celdas de combustible. In (Universidad Autónoma de Coahuila, Coordinación General de Estudios de Posgrado e Investigación CGEPI, Saltillo, Coahuila, México), CienciAcierta, Julio - Septiembre de 2013, núm. 35, Año 9, 17-19

ADCA44 BALÁŽ, Peter - VALKO, Marián - BOLDIŽÁROVÁ, Eva - BRIANČIN, Jaroslav. Properties and reactivity of Mn-doped ZnS nanoparticles. In *Materials Letters*, 2002, vol. 57, p. 188-191. ISSN 0167-577X.

Ohlasy:

[1.1] KAREEM, T. Abdul - KALIANI, A. Anu - KHARE, Ayush. Characterization of Mn doped ZnS nanocrystalline powder dispersed in polyvinyl alcohol. In ARABIAN JOURNAL OF CHEMISTRY. ISSN 1878-5352, 2012, vol. 5, no. 4, pp. 425., WOS

[1.1] WANG, Liping - YUAN, Xin - ZHAO, Chengming. Surface

modification and fluorescent properties of Mn²⁺-doped and undoped ZnS nanoparticles. In COMPOSITE INTERFACES. ISSN 0927-6440, 2012, vol. 19, no. 7, pp. 425., WOS

[1.1] ZUO MING - TAN SHUN - LI GONGPU - ZHANG SHUYUAN. Structure characterization, magnetic and photoluminescence properties of Mn doped ZnS nanocrystalline. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2012, vol. 55, no. 2, pp. 219., WOS

ADCA45 BALÁŽ, Peter - BUJŇÁKOVÁ, Zdenka - KARTACHOVA, Olga - FABIÁN, Martin - STALDER, Bernhardt. Properties and bioaccessibility of arsenic sulphide nanosuspensions. In *Materials Letters*, 2013, vol. 104, p. 84-86. (2.224 - IF2012). (2013 - Current Contents). ISSN 0167-577X.

Ohlasy:

[1.1] TIAN, Ye - WANG, Xiaobo - XI, Ronggang - PAN, Weisan - JIANG, Shuang - LI, Zhao - ZHAO, Yu - GAO, Guanghui - LIU, Dan. Enhanced antitumor activity of realgar mediated by milling it to nanosize. In INTERNATIONAL JOURNAL OF NANOMEDICINE. ISSN 1178-2013, 2014, vol. 9, no., pp. 745., WOS

[1.2] YUAN, Hui Ling - YI, Jia Ming - ZHANG, Cai Yun - LU, Chuan Hua - CHEN, Wei Dong. Progress in research of preparation technologies and drug-delivery of nanosuspensions. In Chinese Journal of New Drugs. ISSN 10033734, 2014-02-15, 23, 3, pp. 297-301., SCOPUS

ADCA46 BALÁŽ, Peter - BRIANČIN, Jaroslav - BASTL, Zdeněk - MEDVECKÝ, Ľubomír - ŠEPELÁK, Vladimír. Properties of mechanochemically pretreated precursors of doped BaTiO₃ ceramics. In *Journal of Materials Science*, 1994, vol. 29, no. 18, p. 4847-4851. (0.765 - IF1993). (1994 - Current Contents, SCOPUS). ISSN 0022-2461.

Ohlasy:

[1.1] RAMOS-RAMIREZ, M. V. - LOPEZ-CUEVAS, J. - RODRIGUEZ-GALICIA, J. L. - RENDON-ANGELES, J. C. Synthesis of Ba_{0.75}Sr_{0.25}Al₂Si₂O₈ ZrO₂ Ceramic Composites by Solid State Reaction of Mechanically Activated Precursor Mixtures. In BOLETIN DE LA SOCIEDAD ESPANOLA DE CERAMICA Y VIDRIO. ISSN 0366-3175, 2014, vol. 53, no. 4, pp. 179., WOS

ADCA47 BALÁŽ, Peter - BRIANČIN, Jaroslav. Reactivity of mechanically activated pyrite. In *Solid State Ionics : diffusion and reactions*, 1993, vol. 63-65, p. 296-300. (1.093 - IF1992). (1993 - Current Contents). ISSN 0167-2738.

Ohlasy:

[1.1] BOSCH, Julian - LEE, Keun-Young - JORDAN, Guntram - KIM, Kyoung-Woong - MECKENSTOCK, Rainer U. Anaerobic, Nitrate-Dependent Oxidation of Pyrite Nanoparticles by Thiobacillus denitrificans. In ENVIRONMENTAL SCIENCE & TECHNOLOGY. ISSN 0013-936X, 2012, vol. 46, no. 4, pp. 2095., WOS

ADCA48 BALÁŽ, Peter - NOVOTNÁ, Andrea - BRIANČIN, Jaroslav. Sensitivity of Freundlich equation constant 1/n for zinc sorption on changes induced in calcite by mechanical activation. In *Chemical Engineering Journal*, 2005, vol. 114, p. 115-121. ISSN 1385-8947.

Ohlasy:

[1.1] CIFTCI, Harun - ER, Cigdem - YALCINKAYA, Ozcan - TEMUZ, M. Mursit - TURKER, Ali Rehber. High-resolution continuum source flame atomic absorption spectrometric (HR-CS FAAS) determination of trace aluminium and lead in water and some beverage samples after separation and preconcentration procedure. In INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY. ISSN 0306-7319, 2014, vol. 94, no. 6, pp. 579., WOS

[1.1] EREN, E. - GUMUS, H. Characterization of the structural properties and Pb(II) adsorption behavior of iron oxide coated sepiolite. In DESALINATION. ISSN 0011-9164, 2011, vol. 273, no. 2-3, pp. 276., WOS

[1.1] EREN, E. - GUMUS, H. - SARIHAN, A. Synthesis, structural characterization and Pb(II) adsorption behavior of K- and H-birnessite samples. In DESALINATION. ISSN 0011-9164, 2011, vol. 279, no. 1-3, pp. 75., WOS

[1.1] LAMBRI, Milena - DORDONI, Roberta - SILVA, Angela - DE FAVERI, Dante Marco. Odor-active Compound Adsorption onto Bentonite in a Model White Wine Solution. In ICHEAP-11: 11TH INTERNATIONAL CONFERENCE ON CHEMICAL AND PROCESS ENGINEERING, PTS 1-4. ISSN 1974-9791, 2013, vol. 32, no., pp. 1741., WOS

[1.1] LIAO, Zhengda - HUANG, Zuqiang - HU, Huayu - ZHANG, Yanjuan - TAN, Yunfang. Microscopic structure and properties changes of cassava stillage residue pretreated by mechanical activation. In BIORESOURCE TECHNOLOGY. ISSN 0960-8524, 2011, vol. 102, no. 17, pp. 7953., WOS

[1.1] LI, Xuan-hai - ZHANG, Yan-juan - PAN, Liu-ping - WEI, Yan-song. Effect of mechanical activation on dissolution kinetics of neutral leach residue of zinc calcine in sulphuric acid. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2013, vol. 23, no. 5, pp. 1512., WOS

[1.1] PEREIRA, Paulo - UBEDA, Xavier - MARTIN, Deborah A. Fire severity effects on ash chemical composition and water-extractable elements. In GEODERMA. ISSN 0016-7061, 2012, vol. 191, no., pp. 105., WOS

[1.1] WANG, Yu - SIKORA, Saraya - KIM, Hwidong - BONZONGO, Jean-Claude - RHUE, Dean - TOWNSEND, Timothy G. Evaluation of mineral substrates for in situ iron removal from groundwater. In ENVIRONMENTAL EARTH SCIENCES. ISSN 1866-6280, 2013, vol. 69, no. 7, pp. 2247., WOS

[1.1] YAN, Y. - SUN, H.P. - YAO, P.P. - KANG, S.Z. - MU, J. Effect of multi-walled carbon nanotubes loaded with Ag nanoparticles on the photocatalytic degradation of rhodamine B under visible light irradiation. In Applied Surface Science, Vol. 257 (2011), Issue 8, 3620-3626, WOS

[1.1] ZHANG, Yanjuan - HUANG, Zuqiang - YANG, Cong - HUANG, Aimin - HU, Huayu - GONG, Zhanqiang - SUN, Guosong - HUANG, Kelin. Material properties of partially pregelatinized cassava starch prepared by mechanical activation. In STARCH-STARKE. ISSN 0038-9056, 2013, vol. 65, no. 5-6, pp. 461., WOS

[1.1] HUANG, Z.Q. - WANG, N. - ZHANG, Y.J. - HU, H.Y. - LUO, Y.W. Effect of mechanical activation pretreatment on the properties of sugarcane bagasse/poly(vinyl chloride) composites. In Composites Part A - Applied Science and Manufacturing, Vol. 43 (2012), Issue 1, 114-120, WOS

ADCA49 BALÁŽ, Peter - FICERIOVÁ, Jana - VILLACHICA, Carlos Leon. Silver leaching from a mechanochemically pretreated complex sulfide concentrate. In *Hydrometallurgy*, 2003, vol. 70, no. 1-3, p. 113-119. (1.087 - IF2002). (2003 - Current Contents). ISSN 0304-386X.

Ohlasy:

[1.1] CELEP, Oktay - ALP, Ibrahim - DEVECI, Haci. Improved gold and silver extraction from a refractory antimony ore by pretreatment with alkaline sulphide leach. In *HYDROMETALLURGY*. ISSN 0304-386X, 2011, vol. 105, no. 3-4, pp. 234., WOS

[1.1] GORDON, J. J. K. - ASIAM, E. K. Influence of mechano-chemical activation on biooxidation of auriferous sulphides. In *HYDROMETALLURGY*. ISSN 0304-386X, 2012, vol. 115, no., pp. 77., WOS

[1.1] ZELINSKY, A. G. - PIROGOV, B. Ya. Numerical simulation and experiment in the systems of labile complexes of metals. Silver reduction from the thiourea electrolyte. In *JOURNAL OF ELECTROANALYTICAL CHEMISTRY*. ISSN 1572-6657, 2013, vol. 694, no., pp. 68., WOS

[3] NYAMDELGER, SH - BURMAA, G. - NARANGARAV, T. - ARIUNAA, G. Dissolution behaviour of freibergite-tetrahedrite concentrate in acidic dichromate solution. In *Mongolian Journal of Chemistry* 14 (40), 2013, p. 36-40

[3.1] EL-HUSSINY, N.A. - ABDUL-WAHAB, H.H. - ALI, M.M. - OMAR, A.L.A.M. - SHALABI, M.E.M.H - MOHARM, M.R. Effect of Grinding Time of Mill Scale on the Physicochemical Properties of Produced Briquettes and Its Reduction via Hydrogen. In *Open Access Library Journal*, Vol. 1 (2014), e1016, p. 1-10

[3.1] KIM, B.J. - CHO, K.H. - OH, S.J. - CHOI, N.C. - PARK, C.Y. Mineralogical Transformation of Gold-silver Bearing Sulfide Concentrate by Mechanochemical Activation, and their Gold-silver Leaching with Non-cyanide Solution. In *Journal of the Mineralogical Society of Korea*, Vol. 27 (2014), Issue 3, 115-124.

[3.1] YOU, D.S. - PARK, C.Y. Enhancement of Au•Ag Leaching by Mechanochemical Activation and Thiourea-Thiocyanate Mixing Solution. In *Journal of the Korean Earth Science Society*, Vol. 35 (2014), Issue 6, 401-411

ADCA50 BALÁŽ, Peter - TURIANICOVÁ, Erika - FABIÁN, Martin - KLEIV, Rolf Arne - BRIANČIN, Jaroslav - OBUT, Abdullah. Structural changes in olivine (Mg, Fe)₂SiO₄ mechanically activated in high-energy mills. In *International Journal of Mineral Processing*, 2008, vol. 88, no., p. 1-6. ISSN 0301-7516.

Ohlasy:

[1.1] ALEX, T.C. - KUMAR, R. - ROY, S.K. - MEHROTRA, S.P. Mechanically induced reactivity of gibbsite: Part 2. Attrition milling. In *POWDER TECHNOLOGY*. ISSN 0032-5910, SEP 2014, vol. 264, p. 229-235., WOS

[1.1] BELL, D.A. - TOWLER, B.F. - FAN, M.H. CO₂ Sorption. In *COAL GASIFICATION AND ITS APPLICATIONS*. 2011, p. 293-339., WOS

[1.1] GANCHEVA, M. - IORDANOVA, R. - DIMITRIEV, Y. - NIHTIANOVA, D. - STEFANOV, P. - NAYDENOV, A. Mechanochemical synthesis, characterization and catalytic activity of Bi₂WO₆ nanoparticles in CO, n-hexane and methane oxidation reactions. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, SEP 5 2013, vol. 570, p. 34-40., WOS

- [1.1] HARTMANN, J. - WEST, A.J. - RENFORTH, P. - KOHLER, P. - DE LA ROCHA, C.L. - WOLF-GLADROW, D.A. - DUERR, H.H. - SCHEFFRAN, J. Enhanced chemical weathering as a geoengineering strategy to reduce atmospheric carbon dioxide, supply nutrients, and mitigate ocean acidification. In *REVIEWS OF GEOPHYSICS*. ISSN 8755-1209, JUN 2013, vol. 51, no. 2, p. 113-149., WOS
- [1.1] HIGHFIELD, J. - LIM, H. - FAGERLUND, J. - ZEVENHOVEN, R. Mechanochemical processing of serpentine with ammonium salts under ambient conditions for CO₂ mineralization. In *RSC ADVANCES*. ISSN 2046-2069, 2012, vol. 2, no. 16, p. 6542-6548., WOS
- [1.1] MICHEL, R. - LAMACZ, A. - KRZTON, A. - DJEGA-MARIADASSOU, G. - BURG, P. - COURSON, C. - GRUBER, R. Steam reforming of alpha-methylnaphthalene as a model tar compound over olivine and olivine supported nickel. In *FUEL*. ISSN 0016-2361, JUL 2013, vol. 109, p. 653-660., WOS
- [1.1] MOOSDORF, N. - RENFORTH, P. - HARTMANN, J. Carbon Dioxide Efficiency of Terrestrial Enhanced Weathering. In *ENVIRONMENTAL SCIENCE & TECHNOLOGY*. ISSN 0013-936X, MAY 6 2014, vol. 48, no. 9, p. 4809-4816., WOS
- [1.1] OLAJIRE, A.A. A review of mineral carbonation technology in sequestration of CO₂. In *JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING*. ISSN 0920-4105, SEP 2013, vol. 109, p. 364-392., WOS
- [1.1] RENFORTH, P. The potential of enhanced weathering in the UK. In *INTERNATIONAL JOURNAL OF GREENHOUSE GAS CONTROL*. ISSN 1750-5836, SEP 2012, vol. 10, p. 229-243., WOS
- [1.1] RENFORTH, P. - JENKINS, B.G. - KRUGER, T. Engineering challenges of ocean liming. In *ENERGY*. ISSN 0360-5442, OCT 1 2013, vol. 60, p. 442-452., WOS
- [1.1] SANDVIK, K.L. - KLEIV, R.A. - HAUG, T.A. Mechanically activated minerals as a sink for CO₂. In *Advanced Powder Technology*, Vol. 22 (2011), Issue 3, 416-421, WOS
- [1.1] SANNA, A. - UIBU, M. - CARAMANNA, G. - KUUSIK, R. - MAROTO-VALER, M.M. A review of mineral carbonation technologies to sequester CO₂. In *CHEMICAL SOCIETY REVIEWS*. ISSN 0306-0012, 2014, vol. 43, no. 23, p. 8049-8080., WOS
- [3.1] JACOBS, A.D. Quantifying the mineral carbonation potential of mine waste material: a new parameter for geospatial estimation. A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy in The Faculty of Graduate and Postdoctoral Studies (Mining Engineering), Faculty of Applied Science, University of British Columbia, (Vancouver), October 2014, 250 p

ADCA51 BALÁŽ, Peter - BASTL, Zdeněk - BRIANČIN, Jaroslav - EBERT, I. - LIPKA, Ján. Surface and bulk properties of mechanically activated zinc sulphide. In *Journal of Materials Science*, 1992, vol. 27, no. 3, p. 653-657. (0.800 - IF1991). (1992 - Current Contents). ISSN 0022-2461.

Ohlasy:

- [1.1] LIU, J. - WEN, S.-M. - XIAN, Y.-J. - BAI, S.-J. - CHEN, X.-M. First-principle study on the surface atomic relaxation properties of sphalerite. In *International Journal of Minerals, Metallurgy and Materials*, 2012, 19, 9, pp.

775-781., WOS

[1.1] SENTHILKUMAAR, S. - THAMIZ SELVI, R. - GANAPATHY SUBRAMANIAM, N. - KANG, T.W. Facile synthesis and magnetic properties of manganese doped ZnS nanorods. In *Superlattices and Microstructures*, 2012, 51, 1, pp. 73-79., WOS

[1.1] WEN, S.-M. - LIU, J. - LI, B. - HAN, R.-S. - ZHANG, Y. - DENG, J.-S. Zn release from fluid inclusions in a natural sphalerite. In *International Journal of Minerals, Metallurgy and Materials*, 2013, 20, 5, pp. 420-426., WOS

ADCA52 BALÁŽ, Peter - BALÁŽ, Matej - ČAPLOVIČOVÁ, M. - ZORKOVSKÁ, Anna - ČAPLOVIČ, Ľubomír - PSOTKA, Miroslav. The dual role of sulfur-containing amino acids in the synthesis of IV-VI semiconductor nanocrystals: a mechanochemical approach. In *Faraday Discussions*, 2014, vol. 170, p. 169-179. (2014 - Current Contents). ISSN 1364-5498.

Ohlasy:

[1.1] RAK, Monika J. - FRISCIC, Tomislav - MOORES, Audrey. Mechanochemical synthesis of Au, Pd, Ru and Re nanoparticles with lignin as a bio-based reducing agent and stabilizing matrix. In *FARADAY DISCUSSIONS*. ISSN 1359-6640, 2014, vol. 170, p. 155-167., WOS

ADCA53 BALÁŽ, Peter - EBERT, I. Thermal decomposition of mechanically activated sphalerite. In *Thermochimica Acta*, 1991, vol. 180, p. 117-123. (1991 - Current Contents). ISSN 0040-6031.

Ohlasy:

[1.2] MU, J.E. - SHI, Y.T. - YUAN, F. - LIU, J. Mechanochemical behavior of BaNd₂Ti₄O₁₂ powder in ball milling for high κ microwave applications. In *Ceramic Transactions*, Vol. 235 (2012), 135-146, SCOPUS

ADCA54 BALÁŽ, Peter - BRIANČIN, Jaroslav - TURČÁNIOVÁ, Ľudmila. Thermal decomposition of mechanically activated tetrahedrite. In *Thermochimica Acta*, 1995, vol. 249, p. 375-381. (0.610 - IF1994). ISSN 0040-6031.

Ohlasy:

[1.2] YANG, L.-J. - XU, H. - YU, Y.-X. - GAO, S. - JIA, H. Research progress in tetrahedrite-tennantite minerals. In *Bulletin of Mineralogy Petrology and Geochemistry*, 2012, 31, 1, pp. 44-51., SCOPUS

ADCA55 BALÁŽ, Peter - PLEŠINGEROVÁ, B. Thermal properties of mechanochemically pretreated precursors of BaTiO₃ synthesis. In *Journal of Thermal Analysis and Calorimetry*, 2000, vol. 59, no 3, p. 1017-1021. (0.600 - IF1999). (2000 - Current Contents). ISSN 1388-6150.

Ohlasy:

[1.1] RAMOS-RAMIREZ, M. V. - LOPEZ-CUEVAS, J. - RODRIGUEZ-GALICIA, J. L. - RENDON-ANGELES, J. C. Synthesis of Ba_{0.75}Sr_{0.25}Al₂Si₂O₈ ZrO₂ Ceramic Composites by Solid State Reaction of Mechanically Activated Precursor Mixtures. In *BOLETIN DE LA SOCIEDAD ESPANOLA DE CERAMICA Y VIDRIO*. ISSN 0366-3175, 2014, vol. 53, no. 4, pp. 179., WOS

ADCA56 BALÁŽ, Peter - GODOČÍKOVÁ, Erika. Thermal reduction of mechanically activated cinnabar (HgS) and stibnite (Sb₂S₃). In *Journal of Thermal Analysis and Calorimetry*, 2001, vol. 65., no. 1, p. 51-57. ISSN 1388-6150.

Ohlasy:

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In *Rudy i Metale Nieżelazne Recykling*, R. 59 (2014), nr. 3, 122-126

ADCA57 BALÁŽ, Peter - FICERIOVÁ, Jana - ŠEPELÁK, Vladimír - KAMMEL, R. Thiourea leaching of silver from mechanically activated tetrahedrite. In *Hydrometallurgy*, 1996, vol. 43, no. 1-3, p. 367-377. ISSN 0304-386X.

Ohlasy:

[1.1] OLTEANU, Antoneta Filcenco - DOBRE, Tanase - PANTURU, Eugenia - RADU, Aura Daniela - AKCIL, Ata. Experimental process analysis and mathematical modeling for selective gold leaching from slag through wet chlorination. In *HYDROMETALLURGY*. ISSN 0304-386X, 2014, vol. 144, no., pp. 170., WOS

[1.1] PETTER, P. M. H. - VEIT, H. M. - BERNARDES, A. M. Evaluation of gold and silver leaching from printed circuit board of cellphones. In *WASTE MANAGEMENT*. ISSN 0956-053X, 2014, vol. 34, no. 2, pp. 475., WOS

[1.1] ZHANG, Yanjuan - LI, Xuanhai - PAN, Liuping - WEI, Yansong. Effect of Mechanical Activation on Extracting Indium from Neutral Leach Residue of Zinc Calcine. In *ADVANCED MANUFACTURING SYSTEMS*, PTS 1-3. ISSN 1022-6680, 2011, vol. 201-203, no., pp. 1810., WOS

[1.2] FICERIOVÁ, Jana. Mechanical activation and electrolysis of gold from goldsmith's waste. In *Acta Montanistica Slovaca*. ISSN 13351788, 2012-12-28, 17, 1, pp. 42-46., SCOPUS

[1.2] FILCENCO OLTEANU, Antoneta - DOBRE, Tanase - PANTURU, Eugenia - RADU, Aura Daniela - AKCIL, Ata. Experimental process analysis and mathematical modeling for selective gold leaching from slag through wet chlorination. In *Hydrometallurgy*. ISSN 0304386X, 2014-04-01, 144-145, pp. 170-185., SCOPUS

[1.2] HASHEMZADEHFINI, Mohsen - FICERIOVÁ, Jana - ABKHOSHK, Emad - SHAHRAKI, Behrouz Karimi. Effect of mechanical activation on thiosulfate leaching of gold from complex sulfide concentrate. In *Transactions of Nonferrous Metals Society of China (English Edition)*. ISSN 10036326, 2011-12-01, 21, 12, pp. 2744-2751., SCOPUS

[1.2] INOUE, Katsutoshi - BISWAS, Biplob Kumar - KAWAKITA, Hidetaka - OHTO, Keisuke. Recovery of valuable metals from flat panel displays of spent liquid crystal and plasma televisions. In *E-Waste: Management, Types and Challenges*, 2012-12-01, pp. 129-146., SCOPUS

[1.2] QIU, Huidong - YANG, Zhili - TIAN, Xianli - ZHU, Guangjun. Vanadium recovery from BOF slag containing low-vanadium oxide. In *Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering*. ISSN 1002185X, 2011-07-01, 40, 7, pp. 1198-1201., SCOPUS

[1.2] TIAN, Qing Hua - JIAO, Cui Yan - GUO, Xue Yi. Extraction of valuable metals from manganese-silver ore. In *Hydrometallurgy*. ISSN 0304386X, 2012-05-01, 119, pp. 8-15., SCOPUS

[1.2] YANG, Li Jun - XU, Hong - YU, Yu Xing - GAO, Shen - JIA, Hui. Research progress in tetrahedrite-tennantite minerals. In *Bulletin of Mineralogy*

Petrology and Geochemistry. ISSN 10072802, 2012-01-01, 31, 1, pp. 44-51., SCOPUS

[1.2] ZHANG, Yan Juan - LI, Xuan Hai - PAN, Liu Ping - WEI, Yan Song. Effect of mechanical activation on extracting indium from neutral leach residue of zinc calcine. In *Advanced Materials Research*. ISSN 10226680, 2011-03-22, 201-203, pp. 1810-1815., SCOPUS

[3.1] FANG, X.H. - ZHONG, M.Q. - YIN, Y.F. - ZHANG, S. - CHEN, D.J. Leaching Behaviors of Silver Concentrate in [Bmim]HSO₄ Ionic Liquids and Thiourea Solution. In *Nonferrous Metals (Extractive Metallurgy)* 2014, Issue 5, 38-41

[3.1] JIANG, H. Comparative Study of Auxiliary Oxidants in the Cyanidation of Silver Sulfide. Master of Applied Science Thesis, the Faculty of Graduate and Postdoctoral Studies (Materials Engineering), the University of British Columbia, Vancouver, Canada, April 2014, 129 p

[3.1] KIM, B.J. - CHO, K.H. - OH, S.J. - CHOI, N.C. - PARK, C.Y. Mineralogical Transformation of Gold-silver Bearing Sulfide Concentrate by Mechanochemical Activation, and their Gold-silver Leaching with Non-cyanide Solution. In *Journal of the Mineralogical Society of Korea*, Vol. 27 (2014), Issue 3, 115-124

ADCA58 BEJDA, Ján - KRÚPA, Vítazoslav - SEKULA, Felix. Algorithm of control of disintegration of rocks at drilling from the point of view of costs per meter of bored hole. In *International Journal of Rock Mechanics and Mining Science*, 1995, vol. 32 no. 2, p.A82. ISSN 1365-1609.

Ohlasy:

[1.1] ZHU, H.Y. - DENG, J.G. - XIE, Y.H. - HUANG, K.W. - ZHAO, J.Y. - YU, B.H. Rock mechanics characteristic of complex formation and faster drilling techniques in Western South China Sea oilfields. In *Ocean Engineering*, Vol. 44 (2012), 33-45, WOS

ADCA59 BELLUŠOVÁ, D. - ALSHUTH, T. - SCHUSTER, R.H. - MYNDYK, Maksym - ŠEPELÁK, Vladimír - HUDEČ, I. Influence of barium ferrites on the performance of BR-elastomers. In *KGK Kautschuk Gummi Kunststoffe*, 2008, vol. 61, no. 3, p. 118-123. (0.364 - IF2007). ISSN 0948-3276.

Ohlasy:

[1.2] HINTZE, C. - BORIN, D. Yu - IVANEYKO, D. - TOSHCHEVIKOV, V. - SAPHIANNIKOVA-GRENZER, M. - HEINRICH, G. Soft magnetic elastomers with controllable stiffness: Experiments and modelling. In *KGK Kautschuk Gummi Kunststoffe*. ISSN 09483276, 2014-01-01, 67, 4, pp. 53-59., SCOPUS

ADCA60 BERCHMANS, Lawrence John - MYNDYK, Maksym - DA SILVA, K. L. - FELDHOF, Armin - ŠUBRT, Jan - HEITJANS, Paul - BECKER, Klaus Dieter - ŠEPELÁK, Vladimír. A Rapid One-Step Mechanosynthesis and Charakterization of Nanocrystalline CaFe₂O₄ with Orthorhombic Structure. In *Journal of Alloys and Compounds*, 2010, vol. 500, no. 1, p. 68-73. (2.135 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] BEAR, J.C. - YU, B. - BLANCO-ANDUJAR, C. - MCNAUGHTER, P.D. - SOUTHERN, P. - MAFINA, M.K. - PANKHURST, Q.A. - PARKIN, I.P.

A low cost synthesis method for functionalised iron oxide nanoparticles for magnetic hyperthermia from readily available materials. In *Faraday Discussions* 175, (2014), 83-95, WOS

[1.1] BOLARÍN-MIRÓ, A.M. - SÁNCHEZ-DE JESÚS, F. - CORTÉS-ESCOBEDO, C.A. - VALENZUELA, R. - AMMAR, S. Structure and magnetic properties of $Gd_xY_{1-x}FeO_3$ obtained by mechanosynthesis. In *Journal of Alloys and Compounds* 586 (SUPPL. 1), (2014), S90-S94, WOS

[1.1] DIODATI, S. - NODARI, L. - NATILE, M. M. - RUSSO, U. - TONDELLO, E. - LUTTEROTTI, L. - GROSS, S. Highly crystalline strontium ferrites $SrFeO_{3-\delta}$: an easy and effective wet-chemistry synthesis. In *Dalton Transactions* 41 (2012), 5517, WOS

[1.1] FUENTES, A.F. - TAKACS, L. Preparation of multicomponent oxides by mechanochemical methods. In *Journal of Materials Science* 48 (2), (2013) p. 598-611, WOS

[1.1] OBATA, K. - OBUKURO, Y. - MATSUSHIMA, S. - NAKAMURA, H. - ARAI, M., -KOBAYASHI, K. Electronic structure of $CaFe_2O_4$ with antiferromagnetic spin ordering. In *Nippon Seramikkusu Kyokai Gakujutsu Ronbunshi/Journal of the Ceramic Society of Japan* 121 (1417), (2013) p. 766-769., WOS

[1.1] ROJAC, T. - MALIČ, B. - KOSEC, M. - POŁOMSKA, M. - HILCZER, B. - ZUPANČIČ, B. - ZALAR, B. Mechanochemical synthesis of $NaNbO_3$: A complementary study of reaction mechanism using Raman spectroscopy and quadrupole perturbed ^{23}Na nuclear magnetic resonance. In *Solid State Ionics* 215 (2012), 1, WOS

[1.1] SAMARIYA, A. - DOLIA, S.N. - PRASAD, A.S. - SHARMA, P.K. - PAREEK, S.P. - DHAWAN, M.S. - KUMAR, S. Size dependent structural and magnetic behaviour of $CaFe_2O_4$. In *Current Applied Physics* 13 (5), (2013) p. 830-835., WOS

[1.1] SHEN, Y. - ZHAO, Q.D. - LI, X.Y. - ZHANG, D.K. Monodisperse $Ca_{0.15}Fe_{2.85}O_4$ microspheres: facile preparation, characterization, and optical properties. In *Journal of Materials Science* 47 (2012), 3320, WOS

[1.1] SCHWARZ, M. - VEVERKA, M. - MICHÁLKOVÁ, E. - LALÍK, V. - VEVERKOVÁ, D. Utilisation of industrial waste for ferrite pigments production. In *Chemical Papers* 66 (2012), 248, WOS

ADCA61 BUJŇÁKOVÁ, Zdenka - BALÁŽ, Peter - ZORKOVSKÁ, Anna - SAYAGUÉS, Mária Jesús - KOVÁČ, Jozef - TIMKO, Milan. Arsenic sorption by nanocrystalline magnetite: An example of environmentally promising interface with geosphere. In *Journal of Hazardous Materials*, 2013, vol. 262, p. 1204-1212. (3.925 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0304-3894.

Ohlasy:

[1.1] BUNDSCHUH, Jochen - BHATTACHARYA, Prosun - NATH, Bibhash - NAIDU, Ravi - NG, Jack - GUILHERME, Luiz R. G. - MA, Lena Q. - KIM, Kyoung-Woong - JEAN, Jiin-Shuh. Arsenic ecotoxicology: The interface between geosphere, hydrosphere and biosphere. In *JOURNAL OF HAZARDOUS MATERIALS*. ISSN 0304-3894, 2013, vol. 262, pp. 883., WOS

[1.1] FARRELL, Jesse Walter - FORTNER, John - WORK, Sarah - AVENDANO, Carolina - GONZALEZ-PECH, Natalia I. - ZARATE ARAIZA, Rafael - LI, Qilin - ALVAREZ, Pedro J. J. - COLVIN, Vicki - KAN, Amy -

TOMSON, Mason. Arsenic Removal by Nanoscale Magnetite in Guanajuato, Mexico. In ENVIRONMENTAL ENGINEERING SCIENCE. ISSN 1092-8758, 2014, vol. 31, no. 7, pp. 393., WOS

[1.1] RANDHAWA, N. S. - MURMU, Nisha - TUDU, Shakuntala - SAU, D. C. Iron oxide waste to clean arsenic-contaminated water. In ENVIRONMENTAL CHEMISTRY LETTERS. ISSN 1610-3653, 2014, vol. 12, no. 4, pp. 517., WOS

[3.1] BABU, C.M. Removal of arsenic and mercury from aqueous solution using supported nano metal oxides. In PhD thesis. Faculty of Science and Humanities. Anna University, Chennai, 2014

[3.1] ZHANG, H. - WANG, F. Adsorption selectivity of fatty acid collector by synthetic magnetite. In Applied Mechanics and Materials, 2014, vol. 552, 263-268

ADCA62 BUJŇÁKOVÁ, Zdenka - BALÁŽ, Peter - ZORKOVSKÁ, Anna. Enargite concentrate processing by the combination of Mechanochemical Hydrometallurgical and precipitation Methods. In *International Journal of Mineral Processing*, 2014, vol. 127, p. 28-36. (1.461 - IF2013). (2014 - Current Contents). ISSN 0301-7516.

Ohlasy:

[1.1] RUIZ, M. C. - GRANDON, L. - PADILLA, R. Selective arsenic removal from enargite by alkaline digestion and water leaching. In HYDROMETALLURGY. ISSN 0304-386X, 2014, vol. 150, no., pp. 20., WOS

ADCA63 CALKA, Andrzej - WEXLER, David - MONAGHAN, B. - MOSBAH, A. - BALÁŽ, Peter. Rapid reduction of copper sulfide(Cu₂S) with elemental Fe and Mg using electrical discharge assisted mechanical milling. In *Journal of Alloys and Compounds*, 2009, vol. 486, no 1-2, p. 492-496. (1.510 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] TSENG, Kuo-Hsiung - LEE, Heng-Lin - LIAO, Chih-Yu - CHEN, Kuan-Chih - LIN, Hong-Shiou. Rapid and Efficient Synthesis of Silver Nanofluid Using Electrical Discharge Machining. In JOURNAL OF NANOMATERIALS. ISSN 1687-4110, 2013, Article Number: 174939, DOI: 10.1155/2013/174939, WOS

[1.1] YURLOVA, Marya S. - NOVOSELOV, Aleksander N. - LIN, Yen-Shan - SIZONENKO, Olga N. - GRIGORYEV, Evgeny G. - KHASANOV, Oleg L. - OLEVSKY, Eugene A. Field-Assisted Powder Synthesis and Consolidation of Fe-Ti-C Metal-Ceramic Composites. In ADVANCED ENGINEERING MATERIALS. ISSN 1438-1656, JUN 2014, vol. 16, no. 6, SI, p. 785-791., WOS

ADCA64 CALKA, Andrzej - MOSBAH, A. - STANFORD, N. - BALÁŽ, Peter. Rapid synthesis of Bi and Sb sulfides using electric discharge assisted mechanical milling. In *Journal of Alloys and Compounds*, 2008, vol. 455, no. 1-2, p. 285-288. (1.455 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] CHAUHAN, H.P.S. - BAKSHI, A. - BHATIYA, S. BISMUTH(III) BIS(N,N-DIETHYLDITHIOCARBAMATO) ALKYLENE DITHIOPHOSPHATES: FAB(+) MASS, THERMAL DECOMPOSITION, AND SEM STUDIES. PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS. ISSN 1042-6507, 2011, vol. 186, no. 2, p. 345-353.,

WOS

[1.1] MAGESHWARI, K. - SATHYAMOORTHY, R. Influence of substrate temperature on the physical properties of thermally evaporated nanocrystalline bismuth sulfide thin films. VACUUM. ISSN 0042-207X, JUL 20 2012, vol. 86, no. 12, p. 2029-2034., WOS

[1.1] YUAN, Q. - ZHENG, Y. - YU, H.Z. Rapid synthesis of Ti(C, N) powders by mechanical alloying and subsequent arc discharging. TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, JUL 2011, vol. 21, no. 7, p. 1545-1549., WOS

[1.1] YURLOVA, M.S. - NOVOSELOV, A.N. - LIN, Y.S. - SIZONENKO, O.N. - GRIGORYEV, E.G. - KHASANOV, O.L. - OLEVSKY, E.A. Field-Assisted Powder Synthesis and Consolidation of Fe-Ti-C Metal-Ceramic Composites. ADVANCED ENGINEERING MATERIALS. ISSN 1438-1656, JUN 2014, vol. 16, no. 6, SI, p. 785-791., WOS

[1.2] Omurzak, E., Mashimo, T., Sulaimankulova, S., Synthesis of sulfide nanoparticles by the pulsed electric discharge. In Materials Research Society Symposium - Proceedings. 2011 MRS Fall Meeting; Boston, MA; United States; 28 November 2011 through 3 December 2011; Code 91734. ISSN 0272-9172. Vol. 1409, 2011, Pages 31-36., SCOPUS

[1.2] Omurzak, E., Mashimo, T., Sulaimankulova, S., Tekebe, S., Chen, L., Abdullaeva, Z., Iwamoto, C., Oishi, Y., Ihara, H., Okudera, H., Yoshiasa, A. Wurtzite-type ZnS nanoparticles by pulsed electric discharge. In Nanotechnology. ISSN 0957-4484, E-ISSN 1361-6528. Vol. 22, iss. 36, 7 September 2011, Article number 365602, SCOPUS

ADCA65 CALKA, Andrzej - MOSBAH, A. - STANFORD, N. - BALÁŽ, Peter. Reduction of PbS and Sb₂S₃ with elemental Fe and Mg in dusty plasma environment created during electrical discharge assisted mechanical milling (EDAMM). In *Journal of Alloys and Compounds*, 2009, vol. 467, no 1-2, p. 477-484. (1.510 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] ARUN, Ilangovan - VAISHNAVI, P. - DURAISELVAM, Muthukannan - SENTHILKUMAR, V. - ANANDAKRISHNAN, V. Development of carbide intermetallic layer by electric discharge alloying on AISI-D2 tool steel and its wear resistance. In INTERNATIONAL JOURNAL OF MATERIALS RESEARCH. ISSN 1862-5282, 2014, vol. 105, no. 6, pp. 544., WOS

[1.1] DAVAR, Fatemeh - MOHAMMADIKISH, Maryam - LOGHMAN-ESTARKI, Mohammad Reza - MASTERI-FARAHANI, Majid. Synthesis of micro- and nanosized PbS with different morphologies by the hydrothermal process. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2014, vol. 40, no. 6, pp. 8143., WOS

[1.1] YUAN QUAN - ZHENG YONG - YU HAI-ZHOU. Rapid synthesis of Ti(C, N) powders by mechanical alloying and subsequent arc discharging. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2011, vol. 21, no. 7, pp. 1545., WOS

ADCA66 DA SILVA, K. L. - ŠEPELÁK, Vladimír - DÜVEL, A. - PAESANO, Júnior, A. - HAHN, H. - LITTERST, F.J. - HEITJANS, Paul - BECKER, Klaus Dieter. Mechanochemical-thermal preparation and structural studies of mullite-type

Bi₂(Ga_xAl_{1-x})₄O₉ solid solutions. In *Journal of Solid State Chemistry*, 2011, vol. 184, no. 5, p. 1346-1352. (2.261 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0022-4596.

Ohlasy:

[1.1] DOMINGUES, Eddy M. - GONCALVES, Priscila - FIGUEIREDO, Filipe M. Synthesis of nanopowders of the aluminum-substituted lanthanum gallate solid electrolyte by mechanochemical route. In *SOLID STATE SCIENCES*. ISSN 1293-2558, JUL 2012, vol. 14, no. 7, p. 820-827., WOS

ADCA67 DA SILVA, K. L. - MENZEL, D - FELDHOFF, Armin - KÜBEL, Ch. - BRUNS, M. - PAESANO, Júnior, A. - DÜVEL, A. - WILKENING, Martin - GHAFARI, Mohammad - HAHN, Harley - LITTERST, F.J. - HEITJANS, Paul - BECKER, Klaus Dieter - ŠEPELÁK, Vladimír. Mechanothesized BiFeO₃ nanoparticles with highly reactive surface and enhanced magnetization. In *Journal of Physical Chemistry C*, 2011, vol. 115, no. 15, p. 7209-7217. (4.524 - IF2010). (2011 - Current Contents). ISSN 1932-7447.

Ohlasy:

[1.1] ANNAPU REDDY, V. - PATHAK, N.P. - NATH, R. Particle size dependent magnetic properties and phase transitions in multiferroic BiFeO₃ nano-particles. In *Journal of Alloys and Compounds* 543 (2012), 206, WOS

[1.1] BERNARDO, M.S. Synthesis, microstructure and properties of BiFeO₃-based multiferroic materials: A review. In *Boletín de la Sociedad Española de Cerámica y Vidrio*, 53 (1), (2014), 1-14, WOS

[1.1] DHIR, G. - UNİYAL, P. - VERMA, N.K. Effect of particle size on multiferroism of barium-doped bismuth ferrite nanoparticles. In *Materials Science in Semiconductor Processing* 27 (1), (2014), 611-618, WOS

[1.1] HU, Z.T. - CHEN, B. - LIM, T.T. Single-crystalline Bi₂Fe₄O₉ synthesized by low-temperature co-precipitation: Performance as photo- and Fenton catalysts. In *RSC Advances* 4 (53), (2014), 27820-27829, WOS

[1.1] KHOMCHENKO, V.A. - PEREIRA, L.C.J. - PAIXÃO, J.A. Weak ferromagnetism and nanodimensional ferroelectric domain structure stabilized in the polar phase of Bi_{1-x}Nd_xFeO₃ multiferroics via Ti doping. In *Journal of Applied Physics* 115 (16), (2014), art. no. 164101, WOS

[1.1] KÖFERSTEIN, R. Synthesis, phase evolution and properties of phase-pure nanocrystalline BiFeO₃ prepared by a starch-based combustion method. In *Journal of Alloys and Compounds* 590, (2014), 324-330, WOS

[1.1] MOCHERLA, P.S.V. - KARTHIK, C. - UBIC, R. - RAMACHANDRA RAO, M.S. - SUDAKAR, C. Effect of microstrain on the magnetic properties of BiFeO₃ nanoparticles. In *Applied Physics Letters* 105 (13), (2014), art. no. 132409, WOS

[1.1] PEREJÓN, A. - SÁNCHEZ-JIMÉNEZ, P.E. - PÉREZ-MAQUEDA, L.A. - CRIADO, J.M. - ROMERO DE PAZ, J. - SÁEZ-PUCHE, R. - MASÓ, N. - WEST, A.R. Single phase, electrically insulating, multiferroic La-substituted BiFeO₃ prepared by mechanochemical synthesis. In *Journal of Materials Chemistry C*, 2 (39), (2014), 8398-8411., WOS

[1.1] ROJAC, T. - MALIČ, B. - KOSEC, M. - POŁOMSKA, M. - HILCZER, B. - ZUPANČIČ, B. - ZALAR, B. Mechanochemical synthesis of NaNbO₃: A complementary study of reaction mechanism using Raman spectroscopy and quadrupole perturbed ²³Na nuclear magnetic resonance. In *Solid State Ionics* 215 (2012), 1, WOS

- [1.1] SÁNCHEZ-DE JESÚS, F. - CORTÉS, C.A. - VALENZUELA, R. - AMMAR, S. -BOLARÍN-MIRÓ, A.M. Synthesis of Y₃Fe₅O₁₂ (YIG) assisted by high-energy ball milling. In *Ceramics International* 38 (2012), 5257, WOS
- [1.1] SENNA, M. Solid state mechanochemical processes for better electroceramics. In *Acta Chimica Slovenica* 61 (3), (2014), 425-431, WOS
- [1.1] SHIROLKAR, M.M. - DAS, R. - MAITY, T. - PODDAR, P. - KULKARNI, S.K. Observation of enhanced dielectric coupling and room-temperature ferromagnetism in chemically synthesized BiFeO₃@SiO₂ core-shell particles. In *Journal of Physical Chemistry C* 116 (2012), 19503, WOS
- [1.1] WANG, L.C. - WANG, Z.H. - HE, S.L. - LI, X. - LIN, P.T. - SUN, J.R. - SHEN, B.G. Enhanced magnetization and suppressed current leakage in BiFeO₃ ceramics prepared by spark plasma sintering of sol-gel derived nanoparticles. In *Physica B: Condensed Matter* 407 (2012), 1196., WOS
- [1.1] WIDATALLAH, H.M. - AL-QAYOUDHI, M.S. - GISMELSEED, A. - AL-RAWAS, A. - AL-HARTHI, S.H. - KHALAFALLA, M.E.H. - ELZAIN, M. - YOUSIF, A. - AL-OMARI, I. Mechanochemical synthesis, magnetic and Mössbauer characterization of pure and Ti⁴⁺-doped cubic phase BiFeO₃ nanocrystalline particles. In *Hyperfine Interactions* 226 (1-3), (2014), 143-151, WOS

ADCA68 DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária - ZELENÁK, Vladimír - MYNDYK, Maksym. Influence of heat treatment on phase transformation of clay-iron oxide composite. In *Journal of Alloys and Compounds*, 2012, vol. 511, no. 1, p. 63-69. (2.289 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

- [1.1] GALAMBOS, M. - DANO, M. - ROSSKOPFOVA, O. - SERSEN, F. - KUFCAKOVA, J. - ADAMCOVA, R. - RAJEC, P. Effect of gamma-irradiation on adsorption properties of Slovak bentonites. In *JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY*. ISSN 0236-5731, 2012, vol. 292, no. 2, pp. 481., WOS
- [1.1] GALAMBOS, M. - SUCHANEK, P. - ROSSKOPFOVA, O. Sorption of anthropogenic radionuclides on natural and synthetic inorganic sorbents. In *JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY*. ISSN 0236-5731, 2012, vol. 293, no. 2, pp. 613., WOS
- [1.1] RAFIEE, Hamid Reza - FEYZI, Mostafa - JAFARI, Fatanh - SAFARI, Banafsheh. Preparation and Characterization of Promoted Fe-V/SiO₂ Nanocatalysts for Oxidation of Alcohols. In *JOURNAL OF CHEMISTRY*. ISSN 2090-9063, 2013, vol., no., pp., WOS
- [1.1] TADIC, Marin - CITAKOVIC, Nada - PANJAN, Matjaz - STANOJEVIC, Boban - MARKOVIC, Dragana - JOVANOVIC, Dorde - SPASOJEVIC, Vojislav. Synthesis, morphology and microstructure of pomegranate-like hematite (alpha-Fe₂O₃) superstructure with high coercivity. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2012, vol. 543, no., pp. 118., WOS
- [1.1] TADIC, Marin - KUSIGERSKI, Vladan - MARKOVIC, Dragana - PANJAN, Matjaz - MILOSEVIC, Irena - SPASOJEVIC, Vojislav. Highly crystalline superparamagnetic iron oxide nanoparticles (SPION) in a silica matrix. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2012, vol. 525, no., pp. 28., WOS

ADCA69 DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária. Structural study of bentonite/iron oxide composites. In *Materials Chemistry and Physics*, 2009, vol. 114, no. 2-3, p. 956-961. (1.799 - IF2008). ISSN 0254-0584.

Ohlasy:

[1.1] COPCIA, Violeta Elena - HRISTODOR, Claudia Mihaela - BILBA, Nicolae - POPOVICI, Eveline. Use of Natural and Modified Clay for Zn²⁺ Removal. In *REVISTA DE CHIMIE*. ISSN 0034-7752, 2011, vol. 62, no. 2, pp. 195., WOS

[1.1] GALAMBOS, Michal - ROSSKOPFOVA, Ol'ga - KUFCAKOVA, Jana - RAJEC, Pavol. Utilization of Slovak bentonites in deposition of high-level radioactive waste and spent nuclear fuel. In *JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY*. ISSN 0236-5731, JUN 2011, vol. 288, no. 3, p. 765-777., WOS

[1.1] GALAMBOŠ, M. - KRAJŇÁK, A. - ROSSKOPFOVÁ, O. - VIGLAŠOVÁ, E. - ADAMCOVÁ, R. - RAJEC, P. Adsorption equilibrium and kinetic studies of strontium on Mg- bentonite, Fe-bentonite and illite/smectite. In *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 298 (2013), p. 1031-1040, WOS

[1.1] GALAMBOŠ, M. - SUCHÁNEK, P. - ROSSKOPFOVÁ, O. Sorption of anthropogenic radionuclides on natural and synthetic inorganic sorbents. In *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 293 (2012), Issue 2, 613-633, WOS

[1.1] HRISTODOR, C.M. - VRINCEANU, N. - PODE, R. - COPCIA, V.E. - BOTEZATU, E. - POPOVICI, E. Preparation and thermal stability of Al₂O₃-clay and Fe₂O₃-clay nanocomposites, with potential application as remediation of radioactive effluents. In *Journal of Thermal Analysis and Calorimetry*, Vol. 111 (2013), Issue 2, p. 1227-1234, WOS

[1.1] CHEN Y. - ZHU, B. - WU, D. - WANG, Q. - YANG, Y. - YE, W. - GUO, J. Eu(III)adsorption using di(2-thylhexly) phosphoric acid-immobilized magnetic GMZ bentonite. In *Chemical Engineering Journal*, Vol. 181-182 (2012), Issue, 387-396, WOS

[1.1] KŘIŠŤAN, P. - CHLAN, V. - ŠTEPÁNKOVÁ, H. - ŘEZNÍČEK, R. - KOUŘIL, K. - ŠTĚPÁNEK, J. - POLÁKOVÁ, K. - PROCHÁDZKA, V. - ČUDA, J. - MEDŘÍK, I. Bentonite/iron oxide composites: Preparation and characterization by hyperfine methods. In *Journal of Nanomaterials*, Vol. 2013 (2013), Art. No. 179794, 5 p., WOS

[1.1] LI, J.Y. – XU, R.K. Inhibition of acidification of kaolinite and Alfisol by aluminium oxides through electrical double-layer interaction and coating. In *European Journal of Soil Science*, Vol. 64 (2013), Issue 1, p. 110-120., WOS

[1.1] LUO, Lihua - FENG, Qiming - WANG, Weiqing - ZHANG, BoLian. Fe₃O₄/ rectorite Composite: Preparation, Characterization and Absorption Properties from Contaminant Contained in Aqueous Solution. In *APPLICATIONS OF ENGINEERING MATERIALS*, PTS 1-4. ISSN 1022-6680, 2011, vol. 287-290, no., pp. 592., WOS

[1.1] MAMBRINI, R.V. - SALDANHA, A.L.M. - ARDISSON, J.D. - ARAUJO, M.H. - MOURA, F.C.C. Adsorption of sulfur and nitrogen compounds on hydrophobic bentonite. In *Applied Clay Science*, Vol. 83-84 (2013), p. 286-293, WOS

[1.1] MOTSHEKGA, S.C.- RAY, S.S. - ONYANGO, M.S. -

MOMBA, M.N.B. Microwave-assisted synthesis, characterization and antibacterial activity of Ag/ZnO nanoparticles supported bentonite clay. In *Journal of Hazardous Materials*, Vol. 262 (2013), Issue 15, p. 439-446, WOS

[1.1] RANDELOVIĆ, M. - PURENOVIĆ, M. - ZARUBICA, A. - PURENOVIĆ, J. - MATOVIĆ, B. - MOMČILOVIĆ, M. Synthesis of composite by application of mixed Fe, Mg (hydr)oxides coatings onto bentonite - A use for the removal of Pb(II) from water. In *Journal of Hazardous Materials*, vol. 199 -200 (2012), 367-374, WOS

[1.1] SANPOREAN, C.G. - VULUGA, Z. - CHRISTIANSEN, J.D. - RADOVICI, C. - JENSEN, E.A. - PAVEN, H. Investigation of mechanical properties of PP/clay nanocomposites based on network cross-linked compatibilizers. In *Industrial and Engineering Chemistry Research*, Vol. 52 (2013), Issue 10, p. 3773-3778., WOS

[1.1] SIMSEK, E.B. - ÖZDEMİR, E. - BEKER, U. Zeolite supported mono- and bimetallic oxides: Promising adsorbents for removal of As(V) in aqueous solutions. *Chemical Engineering Journal*, Vol. 220 (2013), p. 402-411, WOS

[1.1] WU, D. - ZHU, C. - CHEN, Y. - ZHU, B. - YANG, Y. - WANG, Q. - YE, W. Preparation, characterization and adsorptive study of rare earth ions using magnetic GMZ bentonite. In *Applied Clay Science*, Vol. 62-63, (2012), 87-93, WOS

[1.1] YAN, M.Y. - PANG, Z.H. - LI, X.M., CHEN, J.Y. - LUO, J. Research on removal of tetrabromobisphenol A from synthetic wastewater by nanoscale zero valent iron supported on organobentonite. In *Huanjing Kexue/Environmental Science*, Vol. 34 (2013), Issue 6, p. 2249-2255, WOS

[1.1] ZAHOR, M. Removal of paraquat and linuron from water by continuous flow adsorption/ultrafiltration membrane processes. *Journal of the Chemical Society of Pakistan*, Vol. 35 (2013), Issue 3, p. 577-584, WOS

[1.1] ZAHOR, M. - MAHRAMANLIOGLU, M. Adsorption of Imidacloprid on Powdered Activated Carbon and Magnetic Activated Carbon. In *CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY*. ISSN 0352-9568, 2011, vol. 25, no. 1, pp. 55., WOS

[1.2] WANG, G. - CHEN, K. - LI, W. - LIU, T. - QI, L. - ZHANG, X. - ZHANG, Y. - JIANG, L. - ZHU, H. - ZHU, Y. - WANG, J. Preparation of nano magnetic modified bentonite materials for reclamation of coking wastewater. In *ICMREE2011 – Proceedings 2011 International Conference on Materials for Renewable Energy and Environment*, Vol. 1 (2011), p. 1027-1030, SCOPUS

[3.1] BILGIN SIMSEK, E. - BEKER, U. Kinetic performance of aluminium and iron oxides in the removal of arsenate from aqueous environment. In *Journal of Clean Technologies*, Vol. 2 (2014), Issue 3, 206-209.

[3.2] BILGIN SIMSEK, E. - BEKER, U. Kinetic performance of aluminium and iron oxides in the removal of arsenate from aqueous environment. In *Journal of Clean Technologies*, Vol. 2 (2014), Issue 3, p. 206-209. (Databáza: CAS, EI, ProQuest, U.S.)

ADCA70 DELALIO, A. - BAJGER, Z. - BALÁŽ, Peter - CASTRO, F. Production of magnetite powder and recovery of non-ferrous metals from steel making residues. In *Developments in Mineral Processing*, 2000, vol. 13, c12a-15-C12a-19.

Ohlasy:

[1.2] BAKKAR, Ashraf. Recycling of electric arc furnace dust through

dissolution in deep eutectic ionic liquids and electrowinning. In *Journal of Hazardous Materials*. ISSN 03043894, 2014-09-15, 280, pp. 191-199., SCOPUS

- ADCA71 DOLINSKÁ, Silvia - REHÁKOVÁ, Mária - FINOCCHIARO, P. - POLLICINO, A. - BASTL, Zdeněk - NAGYOVÁ, Soňa - FAJNOR, Vladimír. Thermochemical properties of copper forms of zeolite ZSM5 containing dimethylenediamine. In *Thermochimica Acta*, 2007, vol. 452, no. 1, p. 13-19. (2007 - Current Contents ; 2007 - Current Contents). ISSN 0040-6031.

Ohlasy:

[1.1] BARAN, Rafal - SREBOWATA, Anna - CASALE, Sandra - LOMOT, Dariusz - DZWIGAJ, Stanislaw. Hydrodechlorination of 1,2-dichloroethane on nickel loaded Beta zeolite modified by copper: Influence of nickel and copper state on product selectivity. In *CATALYSIS TODAY*. ISSN 0920-5861, MAY 1 2014, vol. 226, p. 134-140., WOS

- ADCA72 DRUSKA, P. - STEINIKE, U. - ŠEPELÁK, Vladimír. Surface structure of mechanically activated and of mechanosynthesized zinc ferrite. In *Journal of Solid State Chemistry*, 1999, vol. 146, p. 13-21. ISSN 0022-4596.

Ohlasy:

[1.1] ABBAS, Y. M. - MANSOUR, S. A. - IBRAHIM, M. H. - ALI, Shehab. E. Structural and magnetic properties of nanocrystalline stannic substituted cobalt ferrite. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2012, vol. 324, no. 18, pp. 2781., WOS

[1.1] ABBAS, Y. M. - MANSOUR, S. A. - IBRAHIM, M. H. - ALI, Shehab E. Microstructure characterization and cation distribution of nanocrystalline cobalt ferrite. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2011, vol. 323, no. 22, pp. 2748., WOS

[1.1] AL-SAIE, A.M. - JAAFAR, A. - BOUOUDINA, M. Structure and magnetic properties of mechanically milled Pb3O4-Fe2O3 mixture. In *International Journal of Nanoparticles* 4 (2011), 20, WOS

[1.1] BANERJEE, Abhijit - BID, Srinjoy - DUTTA, Hema - CHAUDHURI, Sandeep - DAS, Dipankar - PRADHAN, Swapan Kumar. Microstructural Changes and Effect of Variation of Lattice Strain on Positron Annihilation Lifetime Parameters of Zinc Ferrite Nanocomposites Prepared by High Energy Ball-milling. In *MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS*. ISSN 1516-1439, 2012, vol. 15, no. 6, pp. 1022., WOS

[1.1] BLANCO-GUTIERREZ, V. - CLIMENT-PASCUAL, E. - TORRALVO-FERNANDEZ, M. J. - SAEZ-PUCHE, R. - FERNANDEZ-DIAZ, M. T. Neutron diffraction study and superparamagnetic behavior of ZnFe2O4 nanoparticles obtained with different conditions. In *JOURNAL OF SOLID STATE CHEMISTRY*. ISSN 0022-4596, 2011, vol. 184, no. 7, pp. 1608., WOS

[1.1] DUAN, Xiulan - YUAN, Duorong - YU, Fapeng. Cation Distribution in Co-Doped ZnAl2O4 Nanoparticles Studied by X-ray Photoelectron Spectroscopy and Al-27 Solid-State NMR Spectroscopy. In *INORGANIC CHEMISTRY*. ISSN 0020-1669, 2011, vol. 50, no. 12, pp. 5460., WOS

[1.1] DUAN, Xiulan - YU, Fapeng - WU, Yuanchun. Microstructure and Optical Properties of CoxZn1-xGa2O4 (0 ≤ x ≤ 1) Nanoparticles. In *EUROPEAN JOURNAL OF INORGANIC CHEMISTRY*. ISSN 1434-1948, 2013, vol., no. 8, pp. 1287., WOS

[1.1] GOMES, J. A. - AZEVEDO, G. M. - DEPEYROT, J. -

- MESTNIK-FILHO, J. - PAULA, F. L. O. - TOURINHO, F. A. - PERZYNSKI, R. Structural, Chemical, and Magnetic Investigations of Core-Shell Zinc Ferrite Nanoparticles. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2012, vol. 116, no. 45, pp. 24281., WOS
- [1.1] JOVALEKIĆ, Č. - NIKOLIĆ, A.S. - GRUDEN-PAVLOVIĆ, M. - PAVLOVIĆ, M.B. Mechano-chemical synthesis of stoichiometric nickel and nickel-zinc ferrite powders with Nicolson-Ross analysis of the absorption coefficients. In Journal of the Serbian Chemical Society 77 (2012), 497, WOS
- [1.1] LEMINE, O. M. - BOUOUDINA, M. - SAJIEDDINE, M. - AL-SAIE, A. M. - SHAFI, M. - KHATAB, A. - AL-HILALI, M. - HENINI, M. Synthesis, structural, magnetic and optical properties of nanocrystalline ZnFe₂O₄. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2011, vol. 406, no. 10, pp. 1989., WOS
- [1.1] LIU, Jun - ZHANG, Yunong - NAN, Zhaodong. Facile synthesis of stoichiometric zinc ferrite nanocrystal clusters with superparamagnetism and high magnetization. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2014, vol. 60, no., pp. 270., WOS
- [1.1] MAHATA, Partha - SARMA, Debajit - MADHU, C. - SUNDARESEN, A. - NATARAJAN, Srinivasan. CoMn₂O₄ spinel from a MOF: synthesis, structure and magnetic studies. In DALTON TRANSACTIONS. ISSN 1477-9226, 2011, vol. 40, no. 9, pp. 1952., WOS
- [1.1] NIYAIFAR, Mohammad. Effect of Preparation on Structure and Magnetic Properties of ZnFe₂O₄. In JOURNAL OF MAGNETICS. ISSN 1226-1750, 2014, vol. 19, no. 2, pp. 101., WOS
- [1.1] PAN FENG - GUO YING - CHENG FENG-FENG - FA TAO - YAO SHU-DE. Synthesis of ZnFe₂O₄ nanomagnets by Fe-ion implantation into ZnO and post-annealing. In CHINESE PHYSICS B. ISSN 1674-1056, 2011, vol. 20, no. 12, pp., WOS
- [1.1] SUTKA, A. - PAERNA, R. - KLEPERIS, J. - KAEAEEMBRE, T. - PAVLOVSKA, I. - KORSAKS, V. - MALNIEKS, K. - GRINBERGA, L. - KISAND, V. Photocatalytic activity of non-stoichiometric ZnFe₂O₄ under visible light irradiation. In PHYSICA SCRIPTA. ISSN 0031-8949, 2014, vol. 89, no. 4, pp., WOS
- [1.1] ŠUTKA, A. - PÄRNA, R. - ZAMOVSKIS, M. - KISAND, V. - MEZINSKIS, G. - KLEPERIS, J. - MAIOROV, M. - JAKOVLEV, D. Effect of antisite defects on the magnetic properties of ZnFe₂O₄. In Physica Status Solidi (A) Applications and Materials Science 210 (9), (2013) p. 1892-1897., WOS
- [1.1] THOLKAPPIYAN, R. - VISHISTA, K. Synthesis and characterization of barium zinc ferrite nanoparticles: Working electrode for dye sensitized solar cell applications. In SOLAR ENERGY. ISSN 0038-092X, 2014, vol. 106, no., pp. 118., WOS
- [1.1] ZHANG, Yunong - SHI, Quan - SCHLIESSER, Jacob - WOODFIELD, Brian F. - NAN, Zhaodong. Magnetic and Thermodynamic Properties of Nanosized Zn Ferrite with Normal Spinal Structure Synthesized Using a Facile Method. In INORGANIC CHEMISTRY. ISSN 0020-1669, 2014, vol. 53, no. 19, pp. 10463., WOS
- [1.1] ZHU, Zhengru - ZHAO, Qidong - LI, Xinyong - LI, Hong - TADE, Moses - LIU, Shaomin. Photocatalytic performances and activities in Ag-doped

ZnAl₂O₄ nanorods studied by FTIR spectroscopy. In CATALYSIS SCIENCE & TECHNOLOGY. ISSN 2044-4753, 2013, vol. 3, no. 3, pp. 788., WOS

[1.2] AL-SAIE, Ahmed M. - JAAFAR, Adnan - BOUOUDINA, Mohamed. Structure and magnetic properties of mechanically milled Pb₃O₄-Fe₂O₃ mixture. In International Journal of Nanoparticles. ISSN 17532507, 2011-01-01, 4, 1, pp. 20-26., SCOPUS

[1.2] DA SILVA, Klebson L. - MENZEL, Dirk - FELDHOFF, Armin - KÜBEL, Christian - BRUNS, Michael - PAESANO, Andrea - DÜVEL, Andre - WILKENING, Martin - GHAFARI, Mohammad - HAHN, Horst - LITTERST, Fred J. - HEITJANS, Paul - BECKER, Klaus D. - ŠEPELÁK, Vladimír. Mechanosynthesized BiFeO₃ nanoparticles with highly reactive surface and enhanced magnetization. In Journal of Physical Chemistry C. ISSN 19327447, 2011-04-21, 115, 15, pp. 7209-7217., SCOPUS

[1.2] HOU, Dong Ke - PENG, Bing - CHAI, Li Yuan - PENG, Ning - YAN, Huan. Selective reduction mechanism of zinc ferrite. In Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals. ISSN 10040609, 2014-01-01, 24, 10, pp. 2634-2641., SCOPUS

[1.2] CHENG, K.Y. - JO, C.Y. - KIM, D.H. - JIN, T. - HU, Z.Q. Unexpected precipitation of a Re-rich phase in single crystal superalloy CMSX-4 during thermal exposure. In Journal of Metallurgy 2012 (2012), 308568, SCOPUS

[1.2] KÖSEGLU, Yüksel - YILDIZ, Hayrettin - YILGIN, Resul. Synthesis, characterization and superparamagnetic resonance studies of ZnFe₂O₄ nanoparticles. In Journal of Nanoscience and Nanotechnology. ISSN 15334880, 2012-07-03, 12, 3, pp. 2261-2269., SCOPUS

ADCA73 DUTKOVÁ, Erika - TAKACS, Laszlo - SAYAGUÉS, Mária Jesús - BALÁŽ, Peter - KOVÁČ, Jaroslav - ŠATKA, A. Mechanochemical synthesis of Sb₂S₃ and Bi₂S₃ nanoparticles. In *Chemical Engineering Science*, 2013, vol. 85, p. 25-29. (2.386 - IF2012). (2013 - Current Contents). ISSN 0009-2509.

Ohlasy:

[1.1] FILIMONOV, Valeriy Yu. High-temperature synthesis in nanostructured heterogeneous systems. In CURRENT OPINION IN CHEMICAL ENGINEERING. ISSN 2211-3398, FEB 2014, vol. 3, p. 18-24., WOS

[1.1] TRZESOWSKA-KRUSZYNSKA, Agata. Solvent-Free and Catalysis-Free Approach to the Solid State in Situ Growth of Crystalline Isoniazid Hydrazones. In CRYSTAL GROWTH & DESIGN. ISSN 1528-7483, SEP 2013, vol. 13, no. 9, p. 3892-3900., WOS

ADCA74 DUTKOVÁ, Erika - BALÁŽ, Peter - POURGHAMRANI, Parviz - NGUYEN, Anh Van - ŠEPELÁK, Vladimír - FELDHOFF, Armin - KOVÁČ, Jaroslav - ŠATKA, A. Mechanochemical solid state synthesis and characterization of Cd_xZn_{1-x}S nanocrystals. In *Solid State Ionics : diffusion and reactions*, 2008, vol. 179, no., p. 1242-1245. (2.010 - IF2007). ISSN 0167-2738.

Ohlasy:

[1.1] ASHOKKUMAR, M. - MUTHUKUMARAN, S. Cu doping effect on optical, structural and morphological properties of Cd_{0.9}Zn_{0.1}S thin films. In JOURNAL OF LUMINESCENCE. ISSN 0022-2313, JAN 2014, vol. 145, p. 167-174., WOS

[1.1] JAMES, S.L. - ADAMS, C.J. - BOLM, C. - BRAGA, D. - COLLIER, P. - FRISCIC, T. - GREPIONI, F. - HARRIS, K.D.M. - HYETT, G. - JONES, W.

- KREBS, A. - MACK, J. - MAINI, L. - ORPEN, A.G. - PARKIN, I.P. - SHEAROUSE, W.C. - STEED, J.W. - WADDELL, D.C. Mechanochemistry: opportunities for new and cleaner synthesis. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2012, vol. 41, no. 1, p. 413-447., WOS
- [1.1] KUMAR, M.A. - MUTHUKUMARAN, S. Effect of deposition time on structural, optical and photoluminescence properties of Cd_{0.9}Zn_{0.1}S thin films by chemical bath deposition method. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, AUG 2013, vol. 24, no. 8, p. 2858-2865., WOS
- [1.1] KUMAR, S. - KUMAR, S. - VERMA, N.K. - CHAKARVARTI, S.K. Room temperature ferromagnetic behavior of Eu doped Cd_{1-x}Zn_(x)S nanoparticles. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, MAY 2011, vol. 22, no. 5, p. 523-526., WOS
- [1.1] ORIMI, R.L. - ABBASI, M. Synthesis and characterization of Cd_{1-x}Zn_xS nanopowder and its nanostructured thin films. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, MAR 18 2014, vol. 68, no. 3., WOS
- [1.1] RAFAA, M.A. Novel technique for preparation of metal sulfide nano-structured semiconducting wide area diode. In 2013 SAUDI INTERNATIONAL ELECTRONICS, COMMUNICATIONS AND PHOTONICS CONFERENCE (SIECPC). 2013., WOS
- [1.1] SAIN, S. - KAR, A. - PATRA, A. - PRADHAN, S.K. Microstructure and photoluminescence properties of ternary Cd_{0.2}Zn_{0.8}S quantum dots synthesized by mechanical alloying. In JOURNAL OF NANOPARTICLE RESEARCH. ISSN 1388-0764, OCT 8 2014, vol. 16, no. 10., WOS
- [1.1] SAIN, S. - PATRA, S. - PRADHAN, S.K. Quickest ever single-step mechanosynthesis of Cd_{0.5}Zn_{0.5}S quantum dots: Nanostructure and optical characterizations. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, APR 2012, vol. 47, no. 4, p. 1062-1072., WOS
- [1.1] SAIN, S. - PATRA, S. - PRADHAN, S.K. Microstructure and optical band-gap of mechano-synthesized Cd_xZn_{1-x}S quantum dots. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, FEB 23 2011, vol. 44, no. 7., WOS
- [1.1] SAIN, S. - PRADHAN, S.K. Mechanochemical solid state synthesis of (Cd_{0.8}Zn_{0.2})S quantum dots: Microstructure and optical characterizations. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, MAR 10 2011, vol. 509, no. 10, p. 4176-4184., WOS

ADCA75 DUTKOVÁ, Erika - BALÁŽ, Peter - POURGHASHRAMANI, Parviz - VELUMANI, Subramaniam - ASCENCIO, Jorge - KOSTOVA, Nina G. Properties of mechanochemically synthesized ZnS nanoparticles. In *Journal of Nanoscience and Nanotechnology*, 2009, vol. 9, no. 11, p. 6600-6605. (1.929 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 1533-4880.

Ohlasy:

- [1.1] MOON, Ji-Won - IVANOV, Ilia N. - JOSHI, Pooran C. - ARMSTRONG, Beth L. - WANG, Wei - JUNG, Hyunsung - RONDINONE, Adam J. - JELLISON, Gerald E. - MEYER, Harry M. - JANG, Gyoung Gug - MEISNER, Roberta A. - DUTY, Chad E. - PHELPS, Tommy J. Scalable production of microbially mediated zinc sulfide nanoparticles and application to functional thin films. In ACTA BIOMATERIALIA. ISSN 1742-7061, 2014, vol.

10, no. 10, pp. 4474., WOS

[1.1]] BABU, B.J. - VELUMANI, S. - KASSIBA, A. Structural and dielectrical studies on mechano- chemically synthesized indium doped CdS nanopowders. In *Journal of Materials Science*, Vol. 46 (2011), Issue 16, 5417-5422., WOS

[1.2] SARAVANAN, L. - JAYAVEL, R. - PANDURANGAN, A. - JIH-HSIN, L. - HSIN-YUAN, M. Influence of Sm doping on the microstructural properties of CdS nanocrystals. In: *Powder Technology*. ISSN 0032-5910, vol. 266, November 2014, pp 407-411, SCOPUS

[1.2] SASIKALA, R. - GAIKWAD, A.P. - SUDARSAN, V. - GUPTA, N. - BAHARADWAJ, R.S. Cubic phase indium doped cadmium sulfide dispersed on zinc oxide: Enhanced photocatalytic activity for hydrogen generation from water. In *Applied Catalysis A: General*. ISSN 0926-860X, vol. 464-465, 2013, pp. 149-155, SCOPUS

ADCA76 DUVEL, Andre - WILKENING, Martin - UECKER, Reinhard - WEGNER, Sebastian - ŠEPELÁK, Vladimír - HEITJANS, Paul. Mechano-synthesized Nanocrystalline BaLiF₃: The Impact of Grain Boundaries and Structural Disorder on Ionic Transport. In *Physical Chemistry Chemical Physics*, 2010, vol. 12, no. 37, p. 11251-11262. (4.116 - IF2009). (2010 - Current Contents). ISSN 1463-9076.

Ohlasy:

[1.1] BESSLER, W.G. - NILGES, T. Solid State Chemistry 2010. In *NACHRICHTEN AUS DER CHEMIE*. ISSN 1439-9598, MAR 2011, vol. 59, no. 3, p. 246-253., WOS

[1.1] DREGER, M. - SCHOLZ, G. - KEMNITZ, E. An easy access to nanocrystalline alkaline earth metal fluorides – just by shaking. In *Solid State Sciences* 14 (2012), 528, WOS

[1.1] RACHOCKI, Adam - POGORZELEC-GLASER, Katarzyna - ŁAWNICZAK, Paweł - PUGACZOWA-MICHALSKA, Maria - ŁAPIŃSKI, Andrzej - HILCZER, Bożena - MATCZAK, Michał - PIETRASZKO, Adam. Proton conducting compound of benzimidazole with sebacic acid: Structure, molecular dynamics, and proton conductivity. In *Crystal Growth and Design*. ISSN 15287483, 2014-03-05, 14, 3, pp. 1211-1220., WOS

[1.2] PATRO, L. N. - HARIHARAN, K. Fast fluoride ion conducting materials in solid state ionics: An overview. In *Solid State Ionics*. ISSN 01672738, 2013-04-17, 239, pp. 41-49., SCOPUS

[1.2] PATRO, L. N. - KAMALA BHARATHI, K. - RAVI CHANDRA RAJU, N. Microstructural and ionic transport studies of hydrothermally synthesized lanthanum fluoride nanoparticles. In *AIP Advances*, 2014-12-01, 4, 12, pp., SCOPUS

[1.2] PREISHUBER-PFLÜGL, F. - BOTTKE, P. - PREGARTNER, V. - BITSCHNAU, B. - WILKENING, M. Correlated fluorine diffusion and ionic conduction in the nanocrystalline F- solid electrolyte Ba_{0.6}La_{0.4}F_{2.4} 19F T1(ρ) NMR relaxation vs. conductivity measurements. In *Physical Chemistry Chemical Physics*. ISSN 14639076, 2014-05-28, 16, 20, pp. 9580-9590., SCOPUS

[1.2] RONGEAT, Carine - REDDY, M. Anji - WITTER, Raiker - FICHTNER, Maximilian. Nanostructured fluorite-type fluorides as electrolytes for fluoride ion batteries. In *Journal of Physical Chemistry C*. ISSN 19327447, 2013-03-14, 117, 10, pp. 4943-4950., SCOPUS

[1.2] SEVERANCE, Michael - ZHENG, Yangong - HECK, Elizabeth -

DUTTA, Prabir K. Influence of crystallite size on cation conductivity in faujasitic zeolites. In *Journal of Physical Chemistry A*. ISSN 10895639, 2013-12-19, 117, 50, pp. 13704-13711., SCOPUS

ADCA77 ERDEMOGLU, Murat - BALÁŽ, Peter. An overview of surface analysis techniques for characterizations of mechanically activated minerals. In *Mineral Processing and Extractive Metallurgy Review*, 2012, vol. 33, p. 65-88. (0.667 - IF2011). (2012 - Current Contents). ISSN 0882-7508.

Ohlasy:

[1.2] MOHAMMADNEJAD, S. - PROVIS, J.L. - VAN DEVENTER, J.S.J. Effects of grinding on the preg-robbing potential of quartz in an acidic chloride medium. In *Minerals Engineering*. ISSN 0892-6875, vol.52, 2013, pp.31-37, SCOPUS

ADCA78 FABIÁN, Martin - BALÁŽ, Peter - BRIANČIN, Jaroslav. Study of the silver ions cementation after mechanical activation of cementator. In *Hydrometallurgy*, 2008, vol. 97, issue 1-2, p.15-20. ISSN 0304-386X.

Ohlasy:

[1.1] AMIN, N. K. - EL-ASHTOUKHY, E.S. Z. KINETIC STUDY OF COPPER CEMENTATION ONTO ZINC USING A ROTATING PACKED BED CYLINDRICAL REACTOR. In *CANADIAN JOURNAL OF CHEMICAL ENGINEERING*. ISSN 0008-4034, 2011, vol. 89, no. 3, pp. 609-616., WOS

[1.1] KUNTYI, O. - ZOZULYA, G. - SALDAN, I. - KREE, V. - KORNIY, S. -STEL'MAKHOVYCH, B. Nature of the silver precipitation obtained by cementation from thiosulphate solutions. In *Central European Journal of Chemistry*, Vol. 9 (2011), Issue 1, 180-184, WOS

[1.1] KUNTYI, O. I. - BUKLIV, R. L. - KORNIY, S. A. Morphology and composition of the precipitate obtained from the $[Ag(S_2O_3)_2]^{3-}$ - $S_2O_3^{2-}$ solutions by cementation with magnesium scrap. In *RUSSIAN JOURNAL OF NON-FERROUS METALS*. ISSN 1067-8212, 2011, vol. 52, no. 2, pp. 161-165., WOS

[1.1] KUNTYI, O. - ZOZULYA, G. - SALDAN, I. - KREE, V. - KORNIY, S. - STEL'MAKHOVYCH, B. Nature of the silver precipitation obtained by cementation from thiosulphate solutions. In *CENTRAL EUROPEAN JOURNAL OF CHEMISTRY*. ISSN 1895-1066, 2011, vol. 9, no. 1, pp. 180., WOS

[1.1] LAROSA, Claudio - SALERNO, Marco - NANNI, Paolo - REVERBERI, Andrea P. Cobalt Cementation in an Ethanol-Water System: Kinetics and Morphology of Metal Aggregates. In *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH*. ISSN 0888-5885, 2012, vol. 51, no. 51, pp. 16564., WOS

ADCA79 FABIÁN, Martin - SHOPSKA, Maya - PANEVA, Daniela - KADINOV, Georgi - KOSTOVA, Nina G. - TURIANICOVÁ, Erika - BRIANČIN, Jaroslav - MITOV, Ivan - KLEIV, Rolf Arne - BALÁŽ, Peter. The influence of attrition milling on carbon dioxide sequestration on magnesium-iron silicate. In *Minerals engineering*, 2010, vol. 23, p. 616-620. (1.333 - IF2009). (2010 - Current Contents). ISSN 0892-6875 (Print).

Ohlasy:

[1.1] MEYER, N. A. - VOEGELI, J. U. - BECKER, M. - BROADHURST, J.

L. - REID, D. L. - FRANZIDIS, J.P. Mineral carbonation of PGM mine tailings for CO₂ storage in South Africa: A case study. In MINERALS ENGINEERING. ISSN 0892-6875, 2014, vol. 59, no., pp. 45., WOS

[1.1] OLAJIRE, Abass A. A review of mineral carbonation technology in sequestration of CO₂. In JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING. ISSN 0920-4105, 2013, vol. 109, no., pp. 364., WOS

[1.1] SANNA, Aimaro - WANG, Xiaolong - LACINSKA, Alicja - STYLES, Mike - PAULSON, Tom - MAROTO-VALER, M. Mercedes. Enhancing Mg extraction from lizardite-rich serpentine for CO₂ mineral sequestration. In MINERALS ENGINEERING. ISSN 0892-6875, 2013, vol. 49, no., pp. 135., WOS

[1.1] SANNA, A. - UIBU, M. - CARAMANNA, G. - KUUSIK, R. - MAROTO-VALER, M. M. A review of mineral carbonation technologies to sequester CO₂. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2014, vol. 43, no. 23, pp. 8049., WOS

[3.1] JACOBS, A.D. Quantifying the mineral carbonation potential of mine waste material: a new parameter for geospatial estimation. A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy in The Faculty of Graduate and Postdoctoral Studies (Mining Engineering), Faculty of Applied Science, University of British Columbia, Vancouver, October 2014, 250 p.

ADCA80 FELDHOFF, Armin - MARTYNCZUK, Julia - ARNOLD, Mirko - MYNDYK, Maksym - BERGMANN, Ingo - ŠEPELÁK, Vladimír - GRUNER, Wolfgang - VOGT, Ulrich - HAHNEL, Angelika - WOLTERSDORF, Jorg. Spin-state Transition of Iron in (Ba_{0.5}Sr_{0.5})(Fe_{0.8}Zn_{0.2})O₃-delta Perovskite. In *Journal of Solid State Chemistry*, 2009, vol. 182, p. 2961-2971. (1.910 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 0022-4596.

Ohlasy:

[1.1] ARAKI, Wakako - ARAI, Yoshio - MALZBENDER, Juergen.

Transitions of Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O₃-delta and La_{0.58}Sr_{0.4}Co_{0.2}Fe_{0.8}O₃-delta. In MATERIALS LETTERS. ISSN 0167-577X, 2014, vol. 132, no., pp. 295., WOS

[1.1] GAULTOIS, Michael W. - GREEDAN, John E. - GROSVENOR, Andrew P. Investigation of coordination changes in substituted transition-metal oxides by K-edge XANES: Beyond the pre-edge. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2011, vol. 184, no. 3-6, pp. 192., WOS

[1.1] HUANG, Shouguo - WANG, Guojing - SUN, Xiaohong - LEI, Changmei - LI, Teng - WANG, Chunchang. Cobalt-free perovskite Ba_{0.5}Sr_{0.5}Fe_{0.9}Nb_{0.1}O₃-delta as a cathode material for intermediate temperature solid oxide fuel cells. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2012, vol. 543, no., pp. 26., WOS

[1.1] JAMES, S.L. - ADAMS, C.J. - BOLM, C. - BRAGA, D. - COLLIER, P. - FRIŠČIĆ, T. - GREPIONI, F. - HARRIS, K.D.M. - HYETT, G. - JONES, W. - KREBS, A. - MACK, J. - MAINI, L. - ORPEN, A.G. - PARKIN, I.P. - SHEAROUSE, W.C. - STEED, J.W. - WADDELL, D.C. Mechanochemistry: opportunities for new and cleaner synthesis. In Chemical Society Reviews 41 (2012), 413, WOS

[1.1] KIVI, I. - ARUVAELI, J. - KIRSIMAE, K. - HEINSAAR, A. -

- NURK, G. - LUST, E. Oxygen Stoichiometry in $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_{3-\delta}$ and $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ Cathodes under Applied Potential as a Function of Temperature and Oxygen Partial Pressure, Measured by Electrochemical in Situ High-Temperature XRD Method. In JOURNAL OF THE ELECTROCHEMICAL SOCIETY. ISSN 0013-4651, 2013, vol. 160, no. 9, pp. F1022., WOS
- [1.1] KIVI, I. - ARUVAELI, J. - KIRSIMAE, K. - HEINSAAR, A. - NURK, G. - LUST, E. Changes in LSC and LSCF Cathode Crystallographic Parameters Measured by Electrochemical in situ High-Temperature XRD. In SOLID OXIDE FUEL CELLS 13 (SOFC-XIII). ISSN 1938-5862, 2013, vol. 57, no. 1, pp. 1841., WOS
- [1.1] KLANDE, Tobias - EFIMOV, Konstantin - CUSENZA, Salvatore - BECKER, Klaus-Dieter - FELDHOFF, Armin. Effect of doping, microstructure, and CO_2 on $\text{La}_2\text{NiO}_{4+\delta}$ -based oxygen-transporting materials. In JOURNAL OF SOLID STATE CHEMISTRY. ISSN 0022-4596, 2011, vol. 184, no. 12, pp. 3310., WOS
- [1.1] LIU, Xiaotong - ZHAO, Hailei - YANG, Jianying - LI, Yuan - CHEN, Ting - LU, Xionggang - DING, Weizhong - LI, Fushen. Lattice characteristics, structure stability and oxygen permeability of $\text{BaFe}_{1-x}\text{Y}_x\text{O}_{3-\delta}$ ceramic membranes. In JOURNAL OF MEMBRANE SCIENCE. ISSN 0376-7388, 2011, vol. 383, no. 1-2, pp. 235., WOS
- [1.1] MIEDEMA, Piter S. - DE GROOT, Frank M. F. The iron L edges: Fe 2p X-ray absorption and electron energy loss spectroscopy. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2013, vol. 187, no., pp. 32., WOS
- [1.1] MUELLER, Philipp - STOERMER, Heike - MEFFERT, Matthias - DIETERLE, Levin - NIEDRIG, Christian - WAGNER, Stefan F. - IVERS-TIFFEE, Ellen - GERTHSEN, Dagmar. Secondary Phase Formation in $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$ Studied by Electron Microscopy. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2013, vol. 25, no. 4, pp. 564., WOS
- [1.1] QASIM, Ilyas - BLANCHARD, Peter E. R. - LIU, Samuel - TANG, Chunguang - KENNEDY, Brendan J. - AVDEEV, Maxim - KIMPTON, Justin A. Ordered vs. disordered perovskites; structural studies of Fe-doped SrIrO_3 and SrRuO_3 . In JOURNAL OF SOLID STATE CHEMISTRY. ISSN 0022-4596, 2013, vol. 206, no., pp. 242., WOS
- [1.1] SAIN, S. - PATRA, S. - PRADHAN, S.K. Quickest ever single-step mechanosynthesis of $\text{Cd}_{0.5}\text{Zn}_{0.5}\text{S}$ quantum dots: nanostructure and optical characterizations. Materials Research Bulletin 47 (2012), 1062, WOS
- [1.1] SUN, Ming - CHEN, Xinwei - HONG, Liang. Leveraging the A-site Ba^{2+} - Sr^{2+} ratio in the designated perovskite to enhance oxygen transport and structural/interfacial stability. In RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 11, pp. 5618., WOS
- [1.1] WEDIG, Anja - MERKLE, Rotraut - STUHLHOFER, Benjamin - HABERMEIER, Hanns-Ulrich - MAIER, Joachim - HEIFETS, Eugene. Fast oxygen exchange kinetics of pore-free $\text{Bi}_{1-x}\text{Sr}_x\text{FeO}_{3-\delta}$ thin films. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2011, vol. 13, no. 37, pp. 16530., WOS
- [1.1] WEDIG, Anja - MERKLE, Rotraut - MAIER, Joachim. Oxygen Exchange Kinetics of $(\text{Bi},\text{Sr})(\text{Co},\text{Fe})\text{O}_{3-\delta}$ Thin-Film Microelectrodes. In JOURNAL OF THE ELECTROCHEMICAL SOCIETY. ISSN 0013-4651, 2014,

vol. 161, no. 1, pp. F23., WOS

[1.2] Hofmann, K., Electron Energy Loss Spectroscopy as an Experimental Probe for the Crystal Structure and Electronic Situation of Solids. In *Methods in Physical Chemistry*. ISBN 978-352732745-4. Volume 1, 25 April 2012, 846p, SCOPUS

ADCA81 FICERIOVÁ, Jana - BALÁŽ, Peter - BOLDIŽÁROVÁ, Eva. Combined mechanochemical and thiosulphate leaching of silver from a complex sulphide concentrate. In *International Journal of Mineral Processing*, 2005, vol. 76, no. 4, p. 260-265. ISSN 0301-7516.

Ohlasy:

[1.1] CELEP, O. - ALP, I. - DEVECI, H. Improved gold and silver extraction from a refractory antimony ore by pretreatment with alkaline sulphide leach. *HYDROMETALLURGY*. ISSN 0304-386X, JAN 2011, vol. 105, no. 3-4, p. 234-239., WOS

[3] TOKKAN, D. - KUŞLU, S. - ÇALBAN, T. - ÇOLAK, S. Anod çamurundaki gümüşün amonyum tiyosülfat çözeltilerinde mikrodalga enerjisi ile ekstraksiyonunun optimizasyonu. In *Onuncu Ulusal Kimya Mühendisliği Kongresi*, 3-6 Eylül 2012, Koç Üniversitesi, İstanbul, p. 1-6.

[3.1] EL-HUSSINY, N.A. - ABDUL-WAHAB, H.H. - ALI, M.M. - OMAR, A.L.A.M. - SHALABI, M.E.M.H - MOHARM, M.R. Effect of Grinding Time of Mill Scale on the Physicochemical Properties of Produced Briquettes and Its Reduction via Hydrogen. In *Open Access Library Journal*, Vol. 1 (2014), e1016, 1-10

[3.1] JIANG, H. Comparative Study of Auxiliary Oxidants in the Cyanidation of Silver Sulfide. Master of Applied Science Thesis, the Faculty of Graduate and Postdoctoral Studies (Materials Engineering), the University of British Columbia (Vancouver), Canada, 115 p

[3.1] YOU, D.S. - PARK, C.Y. Enhancement of Au•Ag Leaching by Mechanochemical Activation and Thiourea-Thiocyanate Mixing Solution. In *Journal of the Korean Earth Science Society*, Vol. 35 (2014), Issue 6, 401-411.

ADCA82 FICERIOVÁ, Jana - BALÁŽ, Peter - BOLDIŽÁROVÁ, Eva. Influence of mechanochemical pretreatment on leaching of silver in cyanide and non-cyanide medium. In *Journal of Materials Science*, 2004, vol. 39, no. 16-17, p. 5339-5341. (0.826 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0022-2461.

Ohlasy:

[1.1] DE LA CALLE, I. - CABALEIRO, N. - COSTAS, M. - PENA, F. - GIL, S. - LAVILLA, I. - BENDICHO, C. Ultrasound-assisted extraction of gold and silver from environmental samples using different extractants followed by electrothermal-atomic absorption spectrometry. In *MICROCHEMICAL JOURNAL*. ISSN 0026-265X, 2011, vol. 97, no. 2, pp. 93., WOS

[1.2] PAN, Xiaoyong - WANG, Jie - CHEN, Weihua - PENG, Ling - LIU, Yong. Highly efficient method to recover silver from discarded plasma display panels. In *Proceedings 2012 3rd International Conference on Digital Manufacturing and Automation, ICDMA 2012*, 2012-11-06, pp. 471-476., SCOPUS

ADCA83 FICERIOVÁ, Jana - BALÁŽ, Peter - VILLACHICA, Carlos Leon. Thiosulfate leaching of silver, gold and bismuth from a complex sulfide concentrates. In

Hydrometallurgy, 2005, vol. 77, p. 35-39. (1.088 - IF2004). (2005 - Current Contents). ISSN 0304-386X.

Ohlasy:

[1.1] BAFGHI, M.S. - EMAMI, A.H. - ZAKERI, A. Effect of specific surface area of a mechanically activated chalcopryrite on its rate of leaching in sulfuric acid-ferric sulfate media. In *Metallurgical and Materials Transactions B-Process Metallurgy and Materials Processing Science*, Vol. 44 (2013), p. 1166-1172., WOS

[1.1] CELEP, O. - ALP, I. - DEVECI, H. Improved gold and silver extraction from a refractory antimony ore by pretreatment with alkaline sulphide leach. *HYDROMETALLURGY*. ISSN 0304-386X, JAN 2011, vol. 105, no. 3-4, p. 234-239., WOS

[1.1] HASAB, Mehdi Ghobeiti - RAYGAN, Shahram - RASHCHI, Fereshteh. Chloride-hypochlorite leaching of gold from a mechanically activated refractory sulfide concentrate. In *HYDROMETALLURGY*. ISSN 0304-386X, 2013, vol. 138, no., pp. 59., WOS

[1.1] KUNTYI, O. - ZOZULYA, G. - SALDAN, I. - KREE, V. - KORNIY, S. - STEL'MAKHOVYCH, B. Nature of the silver precipitation obtained by cementation from thiosulphate solutions. *CENTRAL EUROPEAN JOURNAL OF CHEMISTRY*. ISSN 1895-1066, FEB 2011, vol. 9, no. 1, p. 180-184., WOS

[1.1] KUNTYI, O.I. - BUKLIV, R.L. - KORNII, S.A. Morphology and composition of the precipitate obtained from the $[Ag(S_2O_3)_2]^{3-}$ - $S_2O_3^{2-}$ solutions by cementation with magnesium scrap. *RUSSIAN JOURNAL OF NON-FERROUS METALS*. ISSN 1067-8212, APR 2011, vol. 52, no. 2, p. 161-165., WOS

[1.1] LI, Jinshan - SAFARZADEH, M. Sadegh - MOATS, Michael S. - MILLER, Jan D. - LEVIER, K. Marc - DIETRICH, Meg - WAN, Rong Yu. Thiocyanate hydrometallurgy for the recovery of gold. Part II: The leaching kinetics. In *HYDROMETALLURGY*. ISSN 0304-386X, 2012, vol. 113, no., pp. 10., WOS

[1.1] LI, J.S. - SAFARZADEH, M.S. - MOATS, M.S. - MILLER, J.D. - LEVIER, K.M. - DIETRICH, M. - WAN, R.Y. Thiocyanate hydrometallurgy for the recovery of gold. Part II: The leaching kinetics. *HYDROMETALLURGY*. ISSN 0304-386X, FEB 2012, vol. 113, p. 10-18., WOS

[1.1] OLTEANU, Antoneta Filcenco - DOBRE, Tanase - PANTURU, Eugenia - RADU, Aura Daniela - AKCIL, Ata. Experimental process analysis and mathematical modeling for selective gold leaching from slag through wet chlorination. In *HYDROMETALLURGY*. ISSN 0304-386X, 2014, vol. 144, no., pp. 170., WOS

[1.1] ORABY, E.A. - BROWNER, R.E. - NIKRAZ, H.R. Effect of Silver in Thiosulfate Leaching of Gold-Silver Alloys in the Presence of Copper and Ammonia Relative to Pure Gold and Silver. In *Mineral Processing and Extractive Metallurgy Review*, 2014, vol. 35, no. 2, p.136-147, WOS

[1.1] SENANAYAKE, G. Gold leaching by copper(II) in ammoniacal thiosulphate solutions in the presence of additives. Part I: A review of the effect of hard-soft and Lewis acid-base properties and interactions of ions. In *Hydrometallurgy*, vol. 115 (2012), p. 1-20., WOS

[1.1] XU, Bin - YANG, Yongbin - LI, Qian - LI, Guanghui - JIANG, Tao. Fluidized roasting-stage leaching of a silver and gold bearing polymetallic sulfide concentrate. In *Hydrometallurgy*. ISSN 0304386X, 2014-01-01, 147-148, pp.

79-82., WOS

[1.1] YUAN, W. - LI, J. - ZHANG, Q. - SAITO, F. Innovated Application of Mechanical Activation To Separate Lead from Scrap Cathode Ray Tube Funnel Glass. In *Environmental Science & Technology*, vol. 46, (2012), iss. 7, p. 4109-4114, WOS

[1.1] ZHANG, Yanjuan - LI, Xuanhai - PAN, Liuping - WEI, Yansong. Effect of Mechanical Activation on Extracting Indium from Neutral Leach Residue of Zinc Calcine. In *ADVANCED MANUFACTURING SYSTEMS*, PTS 1-3. ISSN 1022-6680, 2011, vol. 201-203, no., pp. 1810., WOS

[1.2] AL RASHED, A. R. - AL KHARAFI, F. M. - ATEYA, B. G. - GHAYAD, I. M. Effect of thiosulfate ions on the corrosion behavior of copper in simulated sea water. In *Egyptian Journal of Chemistry*. ISSN 04492285, 2014-01-01, 57, 2, pp. 109-127., SCOPUS

[1.2] LI, Jian - MENG, Zhiguang - HUA, Yixin - TIAN, Guocai - XU, Cunying. Electrochemical behavior of gold and silver electrodeposited from thiourea leaching solution. In *Chongqing Daxue Xuebao/Journal of Chongqing University*. ISSN 1000582X, 2014-01-01, 37, 5, pp. 64-70+76., SCOPUS

ADCA84 FICERIOVÁ, Jana - BALÁŽ, Peter - BOLDIŽÁROVÁ, Eva - JELEŇ, Stanislav. Thiosulfate leaching of gold from a mechanically activated CuPbZn concentrate. In *Hydrometallurgy*, 2002, vol. 67, p. 37-43. (0.654 - IF2001). (2002 - Current Contents).

Ohlasy:

[1.1] CELEP, Oktay - ALP, Ibrahim - DEVECI, Hacı. Improved gold and silver extraction from a refractory antimony ore by pretreatment with alkaline sulphide leach. In *HYDROMETALLURGY*, 2011, vol.105, no.3-4, 234., WOS

[1.1] KHAYATI, Gholam Reza - JANGHORBAN, Kamal - SHARIAT, Mohamad Hosein. Isothermal kinetics of mechanochemically and thermally synthesized Ag from Ag₂O. In *TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA*. ISSN 1003-6326, 2012, vol. 22, no. 4, pp. 935., WOS

[1.1] KUNTYI, O. - ZOZULYA, G. - SALDAN, I. - KREE, V. - KORNIY, S. - STEL&APOS;MAKHOVYCH, B. Nature of the silver precipitation obtained by cementation from thiosulphate solutions. In *CENTRAL EUROPEAN JOURNAL OF CHEMISTRY*, 2011, vol.9, no.1, 180., WOS

[1.1] LI, Xuan-hai - ZHANG, Yan-juan - PAN, Liu-ping - WEI, Yan-song. Effect of mechanical activation on dissolution kinetics of neutral leach residue of zinc calcine in sulphuric acid. In *TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA*. ISSN 1003-6326, 2013, vol. 23, no. 5, pp. 1512., WOS

[1.1] SENANAYAKE, G. Gold leaching by copper(II) in ammoniacal thiosulphate solutions in the presence of additives. Part I: A review of the effect of hard-soft and Lewis acid-base properties and interactions of ions. In *HYDROMETALLURGY*. ISSN 0304-386X, 2012, vol. 115, no., pp. 1., WOS

[1.1] SENANAYAKE, G. Gold leaching by copper(II) in ammoniacal thiosulphate solutions in the presence of additives. Part I: A review of the effect of hard-soft and Lewis acid-base properties and interactions of ions. In *HYDROMETALLURGY*. ISSN 0304-386X, 2012, vol. 115, no., pp. 1., WOS

[1.1] SWAROOPA, Siksha - GHOSH, Malay Kumar - SANJAY, Kali - MISHRA, Barada Kanta. Extraction of Cu and Cr from a spent Cu-Cr catalyst:

- Recovery enhancement through mechanical activation. In HYDROMETALLURGY. ISSN 0304-386X, 2013, vol. 136, no., pp. 8., WOS
- [1.1] ZHANG, Yanjuan - LI, Xuanhai - PAN, Liuping - WEI, Yansong. Effect of Mechanical Activation on Extracting Indium from Neutral Leach Residue of Zinc Calcine. In ADVANCED MANUFACTURING SYSTEMS, PTS 1-3. ISSN 1022-6680, 2011, vol. 201-203, no., pp. 1810., WOS
- [1.2] CHAPARRO, M. E. - VALENZUELA, J. L. - MUNIVE, G. T. - PARGA, J. R. Uso de resina de intercambio aniónico para la recuperación del complejo oro tiosulfato desde soluciones acuosas. In Informacion Tecnologia, 2012, Vol. 23, N. 2, p. 53-60., SCOPUS
- [1.2] SWAROOPA, S. - SAHU, S. - SHEIK, A. R. - SANJAY, K. - GHOSH, M. K. - SUBBAIAH, T. Reclamation of metal values from copper-chromium spent catalysts. In 26th International Mineral Processing Congress, IMPC 2012: Innovative Processing for Sustainable Growth Conference Proceedings. Bhubaneswar: Institute of Minerals and Materials Technology, 2012, ISBN 978-819017143-4, p. 5330-5340., SCOPUS
- [1.2] ZHANG, Y.-J. - LI, X.-H. - PAN, L.-P. - WEI, Y.-S. Influences of mechanical activation on dissolution kinetics and physicochemical properties of indium-bearing zinc ferrite. In Chinese Journal of Nonferrous Metals, 2013, Vol. 22, N. 1, p. 315-323., SCOPUS
- [3.1] KIM, B.J. - CHO, K.H. - OH, S.J. - CHOI, N.C. - PARK, C.Y. Mineralogical Transformation of Gold-silver Bearing Sulfide Concentrate by Mechanochemical Activation, and their Gold-silver Leaching with Non-cyanide Solution. In Journal of the Mineralogical Society of Korea, Vol. 27 (2014), Issue 3, 115-124
- [3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In Rudy i Metale Nieżelazne Recykling, R. 59 (2014), nr. 3, 122-126.

ADCA85 FINDORÁKOVÁ, Lenka - SVOBODA, Roman. Kinetic analysis of the thermal decomposition of Zn(II) 2-chlorobenzoate complex with caffeine. In *Thermochimica Acta*, 2012, vol. 543, p. 113-117. (1.805 - IF2011). (2012 - Current Contents). ISSN 0040-6031.

Ohlasy:

- [1.1] HU, Chengcheng - MI, Jie - SHANG, Suli - JU SHANGGUAN. The study of thermal decomposition kinetics of zinc oxide formation from zinc oxalate dihydrate. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2014, vol. 115, no. 2, pp. 1119., WOS
- [1.1] TITA, Bogdan - LEDETI, Ionut - BANDUR, Geza - TITA, Dumitru. Compatibility study between indomethacin and excipients in their physical mixtures. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2014, vol. 118, no. 2, pp. 1293., WOS
- [1.1] TITA, Bogdan - MARIAN, Eleonora - RUSU, Gerlinde - BANDUR, Geza - TITA, Dumitru. Effects of Experimental Conditions on the Thermal Behaviour of Some Non-steroidal Anti-inflammatory Drugs. In REVISTA DE CHIMIE. ISSN 0034-7752, 2013, vol. 64, no. 12, pp. 1390., WOS
- [1.1] VASIC, Milica - MINIC, Dusan M. - BLAGOJEVIC, Vladimir A. - MINIC, Dragica M. Mechanism and kinetics of crystallization of amorphous Fe₈₁B₁₃Si₄C₂ alloy. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2013, vol. 572, no., pp. 45., WOS

ADCA86 FINDORÁKOVÁ, Lenka - GYÖRÝOVÁ, Katarína - HUDEC OVÁ, D. - MUDR OŇOVÁ, Dagmar - KOVÁŘOVÁ, Jana - HOMZOVÁ, Katarína - NOUR EL-DIEN, F.A. Thermal decomposition study and biological characterization of zinc (II) 2-chlorobenzoate complexes with bioactive ligands. In *Journal of Thermal Analysis and Calorimetry*, 2013, vol. 111, no. 3, p. 1771-1781. (1.982 - IF2012). (2013 - Current Contents). ISSN 1388-6150.

Ohlasy:

[1.1] BADEA, Mihaela - PATRASCU, Florentina - KOROS EC, Romana Cerc - BUKOVEC, Peter - RAITA, Monica - CHIFIRIUC, Mariana Carmen - MARUTESCU, Luminita - BLEOTU, Coralia - VELESCU, Bruno - MARINESCU, Dana - UIVAROSI, Valentina - OLAR, Rodica. Thermal, spectral, magnetic and biologic characterization of new Ni(II), Cu(II) and Zn(II) complexes with a hexaazamacrocyclic ligand bearing ketopyridine moieties. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2014, vol. 118, no. 2, pp. 1183., WOS

[1.1] TANASKOVIC, Sladana B. - ANTONIJEVIC-NIKOLIC, Mirjana - HOLLO, Berta Barta - DRAZIC, Branka - STANOJKOVIC, Tatjana - SZECSENYI, Katalin Meszaros - VUCKOVIC, Gordana. Correlations between the in vitro antiproliferative activity, structure and thermal stability of some macrocyclic dinuclear Cu(II) complexes. In JOURNAL OF THE SERBIAN CHEMICAL SOCIETY. ISSN 0352-5139, 2014, vol. 79, no. 10, pp. 1235., WOS

[1.1] ZIANNA, Ariadni - VECCHIO, Stefano - GDANIEC, Maria - CZAPIK, Agnieszka - HATZIDIMITRIOU, Antonis - LALIA-KANTOURI, Maria. Synthesis, thermal analysis, and spectroscopic and structural characterizations of zinc(II) complexes with salicylaldehydes. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2013, vol. 112, no. 1, pp. 455., WOS

ADCA87 GALLIOS, G.P. - VÁCLAVÍKOVÁ, Miroslava. Removal of chromium (VI) from water streams: A thermodynamic study. In *Environmental Chemistry Letters*, 2008, vol. 6, no. 4, p. 235-240. ISSN 1610-3653.

Ohlasy:

[1.1] ANSAR, Ereath Beeran - AJEESH, Manmadhan - YOKOGAWA, Yoshiyuki - WUNDERLICH, Wilfried - VARMA, Harikrishna. Synthesis and Characterization of Iron Oxide Embedded Hydroxyapatite Bioceramics. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, SEP 2012, vol. 95, no. 9, SI, p. 2695-2699., WOS

[1.1] BALAN, Catalin - VOLF, Irina - BILBA, Doina. CHROMIUM (VI) REMOVAL FROM AQUEOUS SOLUTIONS BY PUROLITE BASE ANION-EXCHANGE RESINS WITH GEL STRUCTURE. In CHEMICAL INDUSTRY & CHEMICAL ENGINEERING QUARTERLY. ISSN 1451-9372, 2013, vol. 19, no. 4, pp. 615., WOS

[1.1] CREAM, Daniel E. - COKER, Victoria S. - VAN DER LAAN, Gerrit - LLOYD, Jonathan R. Engineering Biogenic Magnetite for Sustained Cr(VI) Remediation in Flow-through Systems. In ENVIRONMENTAL SCIENCE & TECHNOLOGY. ISSN 0013-936X, 2012, vol. 46, no. 6, pp. 3352., WOS

[1.1] DIVYASREE, P. - BRAUN, J. J. - SUBRAMANIAN, S. Comparative Studies on the Bioremediation of Hexavalent and Trivalent Chromium using *Citrobacter freundii*: Part I-Effect of parameters controlling Biosorption. In

INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH. ISSN 1735-6865, 2014, vol. 8, no. 4, pp. 1127., WOS

[1.1] EL-SHAHAWI, M. S. - BASHAMMAKH, A. S. - ABDELMAGEED, M. Chemical Speciation of Chromium(III) and (VI) Using Phosphonium Cation Impregnated Polyurethane Foams Prior to Their Spectrometric Determination. In ANALYTICAL SCIENCES. ISSN 0910-6340, JUL 2011, vol. 27, no. 7, p. 757-763., WOS

[1.1] GHEJU, Marius. Hexavalent Chromium Reduction with Zero-Valent Iron (ZVI) in Aquatic Systems. In WATER AIR AND SOIL POLLUTION. ISSN 0049-6979, 2011, vol. 222, no. 1-4, pp. 103., WOS

[1.1] CHOI, Chang-Ho - SU, Yu-Wei - CHANG, Chih-hung. Effects of fluid flow on the growth and assembly of ZnO nanocrystals in a continuous flow microreactor. In CRYSTENGCOMM. ISSN 1466-8033, 2013, vol. 15, no. 17, pp. 3326., WOS

[1.1] SARAHNEY, Hussam - MAO, Xuhui - ALSHAWABKEH, Akram N. The role of iron anode oxidation on transformation of chromium by electrolysis. In ELECTROCHIMICA ACTA. ISSN 0013-4686, 2012, vol. 86, no., pp. 96., WOS

[1.1] SHAH, Bhavna A. - MISTRY, Chirag B. - SHAH, Ajay V. Detoxification of hexavalent chromium using hydrothermally modified agricultural detritus into mesoporous zeolitic materials. In MICROPOROUS AND MESOPOROUS MATERIALS. ISSN 1387-1811, SEP 15 2014, vol. 196, p. 223-234., WOS

[1.1] SHEN, Haoyu - CHEN, Junliang - DAI, Huofeng - WANG, Lubo - HU, Meiqin - XIA, Qinghua. New Insights into the Sorption and Detoxification of Chromium(VI) by Tetraethylenepentamine Functionalized Nanosized Magnetic Polymer Adsorbents: Mechanism and pH Effect. In INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. ISSN 0888-5885, 2013, vol. 52, no. 36, pp. 12723., WOS

[1.1] VERBINNEN, Bram - BLOCK, Chantal - LIEVENS, Patrick - VAN BRECHT, Andres - VANDECASTEELE, Carlo. Simultaneous Removal of Molybdenum, Antimony and Selenium Oxyanions from Wastewater by Adsorption on Supported Magnetite. In WASTE AND BIOMASS VALORIZATION. ISSN 1877-2641, SEP 2013, vol. 4, no. 3, p. 635-645., WOS

[1.1] YOUSEFI, Seyedeh Mahboobeh - SHEMIRANI, Farzaneh. Selective and sensitive speciation analysis of Cr(VI) and Cr(III) in water samples by fiber optic-linear array detection spectrophotometry after ion pair based-surfactant assisted dispersive liquid-liquid microextraction. In JOURNAL OF HAZARDOUS MATERIALS. ISSN 0304-3894, JUN 15 2013, vol. 254, p. 134-140., WOS

[1.1] ZHAO, Xiaowei - SONG, Naizhong - ZHOU, Weihong - JIA, Qiong. Preconcentration procedures for the determination of chromium using atomic spectrometric techniques: A review. In CENTRAL EUROPEAN JOURNAL OF CHEMISTRY. ISSN 1895-1066, AUG 2012, vol. 10, no. 4, p. 927-937., WOS

[1.1] ZHU, Zongqiang - ZHU, Yinian - YANG, Feng - ZHANG, Xuehong - QIN, Hui - LIANG, Yanpeng - LIU, Jie. Sorption-reduction removal of Cr(VI) from aqueous solution by the porous biomorph-genetic composite of α -Fe₂O₃/Fe₃O₄/C with eucalyptus wood hierarchical microstructure. In DESALINATION AND WATER TREATMENT. ISSN 1944-3994, 2014, vol. 52, no. 16-18, pp. 3133., WOS

- [1.2] JANSI RANI, M. - MURUGAN, M. - SUBRAMANIAM, P. - SUBRAMANIAN, E. Adsorptive removal of arsenic from aqueous solution on PSLW carbon (*Prosopis spicigera* L. wood): Equilibrium, kinetics, thermodynamics and home water treatment studies. In *Research Journal of Chemistry and Environment*, Vol. 18 (2014), Issue 2, 16-24., SCOPUS
- [1.2] MITRAKAS, M.G. - PANTAZATOU, A.S. - TZIMOU-TSITOURIDOU, R. - SIKALIDIS, C.A. Influence of pH and temperature on Cr(VI) removal from a natural water using Fe(II): A pilot and full scale case study. In *Desalination and Water Treatment*, Vol. 33, Issue 1-3, September 2011, 77-85, SCOPUS
- [1.2] MOGHAL, A.A.B. - MOHAMMED, S.A.S. - BASHA, B.M. - AL-SHAMRANI, M.A. Surface Complexation Modeling for the Stabilization of an Industrial Sludge by Alternate Materials. In *Geotechnical Special Publication*, (2014), iss. 234 GSP, p. 2235-2244, SCOPUS
- [1.2] MOGHAL, A.A.B. - MOHAMMED, S.A.S. - AL-SHAMRANI, M.A. - ZAHID, W.M. Performance of soils and soil lime mixtures as liners to retain heavy metal ions in aqueous solutions. In *Geotechnical Special Publication*, (2014) iss. 241 GSP, p. 160-169., SCOPUS
- [1.2] MOHAMMED, S.A.S. Studies on surface complexation modeling of Zn on soil and soil mixtures as a proposed liner material for waste containment facilities. In *Journal of Materials and Environmental Science*, Vol. 3, (2012), Issue 6, p. 1117-1122., SCOPUS
- [1.2] MOHAMMED, S.A.S. - MOGHAL, A.A.B. Soils amended with admixtures as stabilizing agent to retain heavy metals. In *Geotechnical Special Publication*, (2014) iss. 234 GSP, p. 2216-2225., SCOPUS
- [1.2] YIN, X. - LIU, W. - NI, J. Removal of coexisting Cr(VI) and 4-chlorophenol through reduction and Fenton reaction in a single system In *Chemical Engineering Journal*, vol. 248 (2014), p. 89-97., SCOPUS
- [3] GARCÍA SALGADO S. Estudios de especiación de arsénico y acumulación de metales en muestras de interés medioambiental / Arsenic speciation and metal accumulation studies in environmental samples. Licenciada en Química. Departamento De Ingeniería Civil: Tecnología Hidráulica Y Energética, Escuela Universitaria De Ingeniería Técnica De Obras Públicas, Universidad Politécnica De Madrid, Febrero de 2013, 352 p
- [3.1] GARCIA SALGADO, S. Estudios de especiación de arsénico y acumulación de metales en muestras de interés medioambiental: Arsenic speciation and metal accumulation studies in environmental samples. Thesis (Doctoral), Universidad Politécnica de Madrid, Escuela Universitaria de Ingeniería Técnica, de Obras Públicas, 2013, 400 p

ADCA88 GHASEMI, Ali - ŠEPELÁK, Vladimír - LIU, Xiaoxi - MORISAKO, Akimitsu. Microwave Absorption Properties of Mn-Co-Sn Doped Barium Ferrite Nanoparticles. In *IEEE Transactions on Magnetism*, 2009, vol. 45, no. 6, p. 2456-2459. (1.129 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 0018-9464.

Ohlasy:

- [1.1] ALAM, R.S. - TEHRANI, M.K. - MORADI, M. - HOSSEINPOUR, E. - SHARBATI, A. The role of matching thickness on the wideband electromagnetic wave suppresser using single layer doped barium ferrite. In *Journal of Magnetism and Magnetic Materials* 323 (2011) 1040, WOS

- [1.1] GAO, Xiaojia - DU, Yunchen - LIU, Xinrong - XU, Ping - HAN, Xijiang. Synthesis and characterization of Co-Sn substituted barium ferrite particles by a reverse microemulsion technique. In Materials Research Bulletin. ISSN 00255408, 2011-05-01, 46, 5, pp. 643-648., WOS
- [1.1] HUI, Jing - YUPING, Duan - ZHUO, Liu - JIA, Zhang - SHUNHUA, Liu. Influence of Fe-doping on the microstructure and electromagnetic performance of manganese oxides. In Physica B: Condensed Matter. ISSN 09214526, 2012-03-15, 407, 6, pp. 971-977., WOS
- [1.1] CHAKRABORTY, H. - CHABRI, S. - BHOWMIK, N. Electromagnetic interference reflectivity of nanostructured manganese ferrite reinforced polypyrrole composites. In Transactions on Electrical and Electronic Materials 14 (6), (2013) p. 295-298, WOS
- [1.1] CHEN, Wei - ZHENG, Ji - LI, Yan. Synthesis and electromagnetic characteristics of BaFe₁₂O₁₉/ZnO composite material. In Journal of Alloys and Compounds. ISSN 09258388, 2012-02-05, 513, pp. 420-424., WOS
- [1.1] CHOPRA, Swati - PANDEY, Mritunjay Kr - ALAM, Sarfaraz. Synthesis and characterization of magnetic nanocomposites of fullerene-containing polyurethane films for microwave applications. In Journal of Applied Polymer Science. ISSN 00218995, 2011-06-15, 120, 6, pp. 3204-3211., WOS
- [1.1] JING H. - DUAN, Y. - LIU, Z. - ZHANG, J. - LIU, S. Influence of Fe-doping on the microstructure and electromagnetic performance of manganese oxides. In Physica B: Condensed Matter 407 (2012), 971, WOS
- [1.1] MURTAZA, G. - AHMAD, R. - HUSSAIN, T. - AYUB, R. - ALI, Irshad - KHAN, Muhammad Azhar - AKHTAR, Majid Niaz. Structural and magnetic properties of Nd-Mn substituted Y-type hexaferrites synthesized by microemulsion method. In Journal of Alloys and Compounds. ISSN 09258388, 2014-07-25, 602, pp. 122-129., WOS
- [1.1] PARK, Jihoon - HONG, Yang Ki - KIM, Seong Gon - KIM, Sungho - LIYANAGE, Laalitha S I - LEE, Jaejin - LEE, Woncheol - ABO, Gavin S. - HUR, Kang Heon - AN, Sung Yong. Maximum energy product at elevated temperatures for hexagonal strontium ferrite (SrFe₁₂O₁₉) magnet. In Journal of Magnetism and Magnetic Materials. ISSN 03048853, 2014-04-01, 355, pp. 1-6., WOS
- [1.1] SHAMS ALAM, Reza - KAVOSH TEHRANI, Masoud - MORADI, Mahmood - HOSSEINPOUR, Ehsaneh - SHARBATI, Ali. The role of matching thickness on the wideband electromagnetic wave suppresser using single layer doped barium ferrite. In Journal of Magnetism and Magnetic Materials. ISSN 03048853, 2011-04-01, 323, 8, pp. 1040-1043., WOS
- [1.1] WANG, Lin - YU, Hongtao - REN, Xiaohu - XU, Guangliang. Magnetic and microwave absorption properties of BaMnxCo_{1-x}TiFe₁₀O₁₉. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2014, vol. 588, no., pp. 212., WOS
- [1.1] WANG, L.C. - WANG, Z.H. - HE, S.L. - LI, X. - LIN, P.T. - SUN, J.R. - SHEN, B.G. Enhanced magnetization and suppressed current leakage in BiFeO₃ ceramics prepared by spark plasma sintering of sol-gel derived nanoparticles. In Physica B: Condensed Matter 407 (2012), 1196., WOS

Ferrite Particles. In *Journal of Applied Physics*, 2010, vol. 107, no.9, p.09A743-09A746. (2.072 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.

Ohlasy:

[1.1] XIANG, Q. - ZHONG, J. - ZHOU, M. - MORAIS, P.C. - LIU, W.Z. AC field dependence of cluster disruption in magnetic fluids. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, APR 1 2011, vol. 109, no. 7., WOS

ADCA90 GODOČÍKOVÁ, Erika - TAKACS, Laszlo - BALÁŽ, Peter - KOVÁČ, Jaroslav. Mechanochemical reduction of antimony sulphide Sb₂S₃ with magnesium in a planetary mill. In *Reviews on Advanced Materials Science*, 2008, vol. 18, no. 3, p. 212-215. (1.122 - IF2007). (2008 - WOS, SCOPUS). ISSN 1606-5131.

Ohlasy:

[1.1] BAHRAMI, Katayoun - NAZARI, Pardis - SEPEHRIZADEH, Zargham - ZAREA, Bizhan - SHAHVERDI, Ahmad Reza. Microbial synthesis of antimony sulfide nanoparticles and their characterization. In *ANNALS OF MICROBIOLOGY*. ISSN 1590-4261, 2012, vol. 62, no. 4, pp. 1419., WOS

[1.1] RAK, Monika J. - SAADE, Nadim K. - FRISCIC, Tomislav - MOORES, Audrey. Mechanochemical synthesis of ultra-small monodisperse amine-stabilized gold nanoparticles with controllable size. In *GREEN CHEMISTRY*. ISSN 1463-9262, 2014, vol. 16, no. 1, pp. 86., WOS

ADCA91 GODOČÍKOVÁ, Erika - BALÁŽ, Peter - BOLDIŽÁROVÁ, Eva - ŠKORVÁNEK, Ivan - KOVÁČ, Jozef - CHOI, W.S. Mechanochemical reduction of lead sulphide by elemental iron. In *Journal of Materials Science*, 2004, vol. 39, no. 16-17, p. 5353-5355. (0.826 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0022-2461.

Ohlasy:

[1.2] YUGO, Nomura - KAZUO, Fujiwara - TERADA, Akihiko - SATOSHI, Nakai - MASAOKI, Hosomi. An immobilisation mechanism for lead in fly ash subjected to mechanochemical treatment. In *International Journal of Environment and Waste Management*. ISSN 14789876, 2013-09-12, 12, 3, pp. 340-353., SCOPUS

ADCA92 GODOČÍKOVÁ, Erika - BALÁŽ, Peter - GOCK, Eberhard - CHOI, W.S. - KIM, B.S. Mechanochemical synthesis of the nanocrystalline semiconductors in an industrial mill. In *Powder Technology*, 2006, vol. 164, p. 147-152. ISSN 0032-5910.

Ohlasy:

[1.1] BABU, B. J. - VELUMANI, S. - KASSIBA, A. Structural and dielectrical studies on mechano-chemically synthesized indium doped CdS nanopowders. In *JOURNAL OF MATERIALS SCIENCE*. ISSN 0022-2461, 2011, vol. 46, no. 16, pp. 5417., WOS

[1.1] BENSEBAA, Farid. Dry Production Methods. In *NANOPARTICLE TECHNOLOGIES: FROM LAB TO MARKET*. ISSN 1573-4285, 2013, vol. 19, no., pp. 147., WOS

[1.1] BILLIK, P. - CAPLOVICOVA, M. - MANKA, J. - CAPLOVIC, L. - CIGAN, A. - KONAKOVSKY, A. - BYSTRICKY, R. - DVURECENSKIJ, A. Synthesis and Transport Properties of Nanostructured VO₂ by Mechanochemical Processing. *MEASUREMENT SCIENCE REVIEW*. ISSN 1335-8871, 2011, vol. 11, no. 1, p. 29-33., WOS

- [1.1] KUMAR, Prashant - NAGARAJAN, R. An elegant room temperature procedure for the precise control of composition in the Cu-S system. In *Inorganic Chemistry*. ISSN 00201669, 2011-10-03, 50, 19, pp. 9204-9206., WOS
- [1.1] NANDANWAR, S. U. - CHAKRABORTY, M. - MUKHOPADHYAY, S. - SHENOY, K. T. Stability of ruthenium nanoparticles synthesized by solvothermal method. In *CRYSTAL RESEARCH AND TECHNOLOGY*. ISSN 0232-1300, 2011, vol. 46, no. 4, pp. 393., WOS
- [1.1] PATHARKAR, R. G. - NANDANWAR, S. U. - CHAKRABORTY, M. Synthesis of Colloidal Ruthenium Nanocatalyst by Chemical Reduction Method. In *JOURNAL OF CHEMISTRY*. ISSN 2090-9063, 2013, vol., no., pp., WOS
- [1.1] TOLIA, Jyoti V. - CHAKRABORTY, Mousumi - MURTHY, Z. V. P. Photocatalytic degradation of malachite green dye using doped and undoped ZnS nanoparticles. In *POLISH JOURNAL OF CHEMICAL TECHNOLOGY*. ISSN 1509-8117, 2012, vol. 14, no. 2, pp. 16., WOS
- [1.1] TOLIA, Jyoti V. - CHAKRABORTY, Mousumi - MURTHY, Z. V. P. Mechanochemical Synthesis and Characterization of Group II-VI Semiconductor Nanoparticles. In *PARTICULATE SCIENCE AND TECHNOLOGY*. ISSN 0272-6351, 2012, vol. 30, no. 6, pp. 533., WOS
- [1.1] TOLIA, Jyoti - CHAKRABORTY, Mousumi - MURTHY, Z. V. P. Synthesis and characterization of semiconductor metal sulfide nanocrystals using microemulsion technique. In *CRYSTAL RESEARCH AND TECHNOLOGY*. ISSN 0232-1300, 2012, vol. 47, no. 8, pp. 909., WOS
- [1.1] TOLIA, J. - MURTHY, Z. V. P. - CHAKRABORTY, M. Application of Mechanochemically Synthesised ZnS Nanoparticles in Photo-Catalytic Oxidation of Phenol. In *RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT*. ISSN 0972-0626, 2011, vol. 15, no. 2, pp. 223., WOS
- [1.1] WU, Haibin - CHEN, Wei. Synthesis and reaction temperature-tailored self-assembly of copper sulfide nanoplates. In *NANOSCALE*. ISSN 2040-3364, 2011, vol. 3, no. 12, pp. 5096., WOS
- [1.2] TAMILVANAN, A. - BALAMURUGAN, K. - PONAPPA, K. - KUMAR, B. Madhan. Copper nanoparticles: Synthetic strategies, properties and multifunctional application. In *International Journal of Nanoscience*. ISSN 0219581X, 2014-01-01, 13, 2, pp., SCOPUS
- [1.2] XIE, Yuan Yan - YANG, Hai Lin - RUAN, Jian Ming - BAI, Bo. Preparation of calcium carbonate by mechanochemical processing and its rheological property of suspension. In *Zhongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Central South University (Science and Technology)*. ISSN 16727207, 2011-08-01, 42, 8, pp. 2274-2277., SCOPUS

ADCA93 GODOČÍKOVÁ, Erika - BALÁŽ, Peter - BASTL, Zdeněk - BRABEC, L. Spectroscopic study of the surface oxidation of mechanically activated sulphides. In *Applied Surface Science*, 2002, vol. 200, p. 36-47. ISSN 0169-4332.

Ohlasy:

- [1.1] DERYCKE, Virginie - KONGOLO, Mukendi - BENZAAZOUA, Mostafa - MALLET, Martine - BARRES, Odile - DE DONATO, Philippe - BUSSIERE, Bruno - MERMILOD-BLONDIN, Raphael. Surface chemical characterization of different pyrite size fractions for flotation purposes. In *INTERNATIONAL JOURNAL OF MINERAL PROCESSING*. ISSN 0301-7516, 2013, vol. 118, no., pp. 1., WOS
- [1.1] GORDON, J. J. K. - ASIAM, E. K. Influence of mechano-chemical

activation on biooxidation of auriferous sulphides. In HYDROMETALLURGY. ISSN 0304-386X, 2012, vol. 115, no., pp. 77., WOS

[1.1] IKUMAPAYI, F. - MAKITALO, M. - JOHANSSON, B. - RAO, K. Hanumantha. Recycling process water in sulfide flotation, Part A: Effect of calcium and sulfate on sphalerite recovery. In MINERALS & METALLURGICAL PROCESSING. ISSN 0747-9182, 2012, vol. 29, no. 4, pp. 183., WOS

[1.1] TAKEUCHI, Tomonari - KAGEYAMA, Hiroyuki - NAKANISHI, Koji - INADA, Yasuhiro - KATAYAMA, Misaki - OHTA, Toshiaki - SENOH, Hiroshi - SAKAEBE, Hikari - SAKAI, Tetsuo - TATSUMI, Kuniaki - KOBAYASHI, Hironori. Improvement of Cycle Capability of FeS₂ Positive Electrode by Forming Composites with Li₂S for Ambient Temperature Lithium Batteries. In JOURNAL OF THE ELECTROCHEMICAL SOCIETY. ISSN 0013-4651, 2012, vol. 159, no. 2, pp. A75., WOS

[1.2] AL MARRI, M. J. - FAYYAD, E. M. - HASSAN, A. - KHADER, M. M. Mechanism of GaAs surface sulfidation. In International Journal of Electrochemical Science, 2014-01-01, 9, 12, pp. 7287-7299., SCOPUS

[1.2] IKUMAPAYI, F. - MAKITALO, M. - JOHANSSON, B. - RAO, K. Hanumantha. Recycling process water in sulfide flotation, Part A: Effect of calcium and sulfate on sphalerite recovery. In Minerals and Metallurgical Processing. ISSN 07479182, 2012-11-01, 29, 4, pp. 183-191., SCOPUS

[1.2] LARA, René H. - MONROY, Marcos G. - MALLET, Martine - DOSSOT, Manuel - GONZÁLEZ, Ma Azucena - CRUZ, Roel. An experimental study of iron sulfides weathering under simulated calcareous soil conditions. In Environmental Earth Sciences. ISSN 18666280, 2014-01-01, 73, 4, pp. 1849-1869., SCOPUS

[1.2] PRAMEENA, B. - ANBALAGAN, G. - GUNASEKARAN, S. - RAMKUMAAR, G. R. - GOWTHAM, B. Structural, optical, electron paramagnetic, thermal and dielectric characterization of chalcopyrite. In Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. ISSN 13861425, 2014-03-25, 122, pp. 348-355., SCOPUS

[1.2] YANG, Fu Qiang - WU, Chao. Mechanism of mechanical activation for spontaneous combustion of sulfide minerals. In Transactions of Nonferrous Metals Society of China (English Edition). ISSN 10036326, 2013-01-01, 23, 1, pp. 276-282., SCOPUS

[3.1] GARCÍA CÁRDENAS, S.A. Modelación del Potencial de Drenaje Ácido de Botaderos - Calibración a Partir de Celdas Húmedas y Granulometría. Memoria Para Optar al Título de Geólogo. Universidad de Chile, Facultad de Ciencias Físicas y Matemáticas, Departamento de Geología, Santiago de Chile, Marzo 2013, 121 p

[3.1] KIM, B.J. - CHO, K.H. - OH, S.J. - CHOI, N.C. - PARK, C.Y. Mineralogical Transformation of Gold-silver Bearing Sulfide Concentrate by Mechanochemical Activation, and their Gold-silver Leaching with Non-cyanide Solution. In Journal of the Mineralogical Society of Korea, Vol. 27 (2014), Issue 3, 115-124.

[3.1] YOU, D.S. - PARK, C.Y. Enhancement of Au•Ag Leaching by Mechanochemical Activation and Thiourea-Thiocyanate Mixing Solution. In Journal of the Korean Earth Science Society, Vol. 35 (2014), Issue 6, 401-411

ADCA94 GODOČÍKOVÁ, Erika - BALÁŽ, Peter - BOLDIŽÁROVÁ, Eva. Structural and temperature sensitivity of the chloride leaching of copper, lead and zinc from a mechanically activated complex sulphide. In *Hydrometallurgy*, 2002, vol. 65, no. 1, p. 83-93. (0.654 - IF2001). (2002 - Current Contents). ISSN 0304-386X.

Ohlasy:

[1.1] BAFGHI, M.S. - EMAMI, A.H. - ZAKERI, A. Effect of Specific Surface Area of a Mechanically Activated Chalcopyrite on Its Rate of Leaching in Sulfuric Acid-Ferric Sulfate Media. METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE. ISSN 1073-5615, OCT 2013, vol. 44, no. 5, p. 1166-1172., WOS

[1.1] GORDON, J.J.K. - ASIAM, E.K. Influence of mechano-chemical activation on biooxidation of auriferous sulphides. In *Hydrometallurgy*, Vol. 115 (2012), 77-83., WOS

[1.1] HASHEMZADEHFINI, M. - FICERIOVA, J. - ABKHOSHK, E. - SHAHRAKI, B.K. Effect of mechanical activation on thiosulfate leaching of gold from complex sulfide concentrate. TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, DEC 2011, vol. 21, no. 12, p. 2744-2751., WOS

[1.1] KUSLU, S. - CALBAN, T. - COLAK, S. EVALUATION OF LEACHING CONDITIONS FOR DISSOLUTION OF PYRITE IN CHLORINE-SATURATED WATER. CHEMICAL ENGINEERING COMMUNICATIONS. ISSN 0098-6445, 2011, vol. 198, no. 4, p. 504-515., WOS

[1.1] LUO, L.B. - YAO, J. - WANG, X. - LI, K. - HUANG, J.Y. - LI, B.Y. - WANG, H.N. - FENG, Y. - LIU, X.Y. The evolution of macromolecular packing and sudden crystallization in rigid-rod polyimide via effect of multiple H-bonding on charge transfer (CT) interactions. In *Polymer*, 2014, vol. 55, no. 16, p. 4258-4269., WOS

[1.1] LV, G.Z. - ZHANG, T.A. - KE, X.Y. - ZHAO, A.C. - NI, P.Y. - MU, W.Z. - BAO, L. Research on Mechanically Activated Digestion Performance of Diasporic Bauxite and Kinetics. LIGHT METALS 2012. ISSN 0147-0809, 2012, p. 21-26., WOS

[1.1] WANG, Y. - YANG, Y. - JIA, Z. - QIU, J.Q. - GU, Y. Effect of pre-imidization on the aggregation structure and properties of polyimide films. In *Polymer*, Vol. 53, (2012), Issue 19, 4157-4163., WOS

[1.1] WANG, Y. - YANG, Y. - JIA, Z.X. - QIN, J.Q. - GU, Y. Effect of chemical structure and preparation process on the aggregation structure and properties of polyimide film. JOURNAL OF APPLIED POLYMER SCIENCE. ISSN 0021-8995, MAR 15 2013, vol. 127, no. 6, p. 4581-4587., WOS

[1.1] XU, H.S. - WEI, C. - LI, C.X. - DENG, Z.G. - FAN, G. - LI, M.T. - LI, X.B. Selective recovery of valuable metals from partial silicated sphalerite at elevated temperature with sulfuric acid solution. In *Journal of Industrial and Engineering Chemistry*, 2014, vol. 20, no. 4, p.1373-1381., WOS

[1.1] ZHANG, C.L. - WANG, J.W. - BAI, J.F. - GUAN, J. - WU, W.J. - GUO, C.X. Recovering lead from cathode ray tube funnel glass by mechano-chemical extraction in alkaline solution. WASTE MANAGEMENT & RESEARCH. ISSN 0734-242X, JUL 2013, vol. 31, no. 7, p. 759-763., WOS

[1.1] ZHUANG, Y. - LIU, X. - GU, Y. Molecular packing and properties of poly(benzoxazole- benzimidazole-imide) copolymers. In *Polymer Chemistry*,

Vol. 3 (2012), Iss. 6, p. 1517-1525, WOS

[1.1] ZHUANG, Y.B - GU, Y. Probing structural evolution of the poly(amic acid) containing benzoxazole moieties in backbone during thermal imidization. In Journal of Polymer Research, Vol. 19 (2012), Issue 11 DOI: 10/1007/s10965-012-0014-3., WOS

[1.1] ZHUANG, Y.B. - SEONG, J.G. - DO, Y.S. - JO, H.J. - LEE, M.J. - WANG, G. - GUIVER, M.D. - LEE, Y.M. Effect of Isomerism on Molecular Packing and Gas Transport Properties of Poly(benzoxazole-co-imide)s. In Macromolecules, 2014, vol. 47, no. 22, p. 7947-7957., WOS

[3.1] EL-HUSSINY, N.A. - ABDUL-WAHAB, H.H. - ALI, M.M. - OMAR, A.L.A.M. - SHALABI, M.E.M.H - MOHARM, M.R. Effect of Grinding Time of Mill Scale on the Physicochemical Properties of Produced Briquettes and Its Reduction via Hydrogen. In Open Access Library Journal, Vol. 1 (2014), e1016, 1-10

[3.1] ŠTRBAC, N. - SOKIĆ, M. - ŽIVKOVIĆ, D. - MATKOVIĆ, V. - MARKOVIĆ, B. Environmentally friendly complex sulphide-barite ore treatment by leaching in ferric chloride solution. In Proceedings of 4th International Symposium on Environmental and Material Flow Management EMFM2014, 31 October-2 November 2014, Bor Lake, Book of proceedings, (eds. D. Živković & Ž. Živković), 100-107

[3.1] YOU, D.S. - PARK, C.Y. Enhancement of Au•Ag Leaching by Mechanochemical Activation and Thiourea-Thiocyanate Mixing Solution. In Journal of the Korean Earth Science Society, Vol. 35 (2014), Issue 6, 401-411.

[3.1] ZHANG, Y.M. - ZHANG, F.Y. - XIONG, L.L. Study on Comprehensive Recovery of Valuable Elements in Lead Leaching Solutions. In Inorganic Chemicals Industry, Vol. 46 (2014), Issue 10, 62-64.

ADCA95 GODOČÍKOVÁ, Erika - BALÁŽ, Peter - CRIADO, J.M. - REAL, Concha - GOCK, Eberhard. Thermal behaviour of mechanochemically synthesized nanocrystalline CuS. In *Thermochimica Acta*, 2006, vol. 440, p. 19-22. ISSN 0040-6031.

Ohlasy:

[1.1] BEALE, Andrew M. - GIBSON, Emma K. - O&APOS;BRIEN, Matthew G. - JACQUES, Simon D. M. - CERNIK, Robert J. - DI MICHIEL, Marco - COBDEN, Paul D. - PIRGON-GALIN, Ozlem - VAN DE WATER, Leon - WATSON, Michael J. - WECKHUYSSEN, Bert M. Chemical imaging of the sulfur-induced deactivation of Cu/ZnO catalyst bodies. In JOURNAL OF CATALYSIS. ISSN 0021-9517, 2014, vol. 314, no., pp. 94., WOS

[1.1] CASTILLON-BARRAZA, F. F. - FERIAS, M. H. - CORONADO-LOPEZ, J. H. - ENCINAS-ROMERO, M. A. - PEREZ-TELLO, M. - HERRERA-URBINA, R. - POSADA-AMARILLAS, Alvaro. Synthesis and Characterization of Copper Sulfide Nanoparticles Obtained by the Polyol Method. In ADVANCED SCIENCE LETTERS. ISSN 1936-6612, 2011, vol. 4, no. 2, pp. 596., WOS

[1.1] JUNG, Donghyuk - LEE, Sangeun - KIM, Moon-Sun - KIM, Byung-Woo. The Effect of pH on Crystal Characteristics and IR Absorbance of Copper Sulfide Nanoparticles. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, 2013, vol. 13, no. 10, pp. 7169., WOS

[1.1] KRISTL, Matjaz - BAN, Irena - GYERGYEK, Saso. Preparation of Nanosized Copper and Cadmium Chalcogenides by Mechanochemical Synthesis.

In MATERIALS AND MANUFACTURING PROCESSES. ISSN 1042-6914, 2013, vol. 28, no. 9, pp. 1009., WOS

[1.1] KRISTL, Matjaz - HOJNIK, Nusa - GYERGYEK, Saso - DROFENIK, Miha. Sonochemical preparation of copper sulfides with different phases in aqueous solutions. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2013, vol. 48, no. 3, pp. 1184., WOS

[1.1] SARANYA, M. - GRACE, A. Nirmala. Hydrothermal Synthesis of CuS Nanostructures with Different Morphology. In JOURNAL OF NANO RESEARCH. ISSN 1662-5250, 2012, vol. 18-19, no., pp. 43., WOS

[1.1] SOHRABNEZHAD, Sh - ZANJANCHI, M. A. - HOSSEINGHOLIZADEH, S. - RAHNAMA, R. Facile and low temperature route to synthesis of CuS nanostructure in mesoporous material by solvothermal method. In SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY. ISSN 1386-1425, 2014, vol. 123, no., pp. 142., WOS

[1.1] TOLIA, Jyoti V. - CHAKRABORTY, Mousumi - MURTHY, Z. V. P. Photocatalytic degradation of malachite green dye using doped and undoped ZnS nanoparticles. In POLISH JOURNAL OF CHEMICAL TECHNOLOGY. ISSN 1509-8117, 2012, vol. 14, no. 2, pp. 16., WOS

[1.1] TOLIA, Jyoti V. - CHAKRABORTY, Mousumi - MURTHY, Z. V. P. Mechanochemical Synthesis and Characterization of Group II-VI Semiconductor Nanoparticles. In PARTICULATE SCIENCE AND TECHNOLOGY. ISSN 0272-6351, 2012, vol. 30, no. 6, pp. 533., WOS

ADCA96 GOTOR, Francisco José - ACHIMOVÍČOVÁ, Marcela - REAL, Concepcion - BALÁŽ, Peter. Influence of the milling parameters on the mechanical work intensity in planetary mills. In *Powder Technology*, 2013, vol. 233, p. 1-7. (2.024 - IF2012). (2013 - Current Contents). ISSN 0032-5910.

Ohlasy:

[1.1] ALANKO, Gordon A. - JAQUES, Brian - BATEMAN, Allyssa - BUTT, Darryl P. Mechanochemical synthesis and spark plasma sintering of the cerium silicides. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2014, vol. 616, no., pp. 306., WOS

[1.1] TAKACS, L. Gradual and Self-Sustaining Processes in the Sn-Zn-Se System. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, OCT 2014, vol. 126, no. 4, p. 1032-1039., WOS

[1.1] URAKAEV, F.K. Simulation of the Mechanically Induced Self-Propagating Reactions: Heat Source of "Viscous Flow" and Mechanism of MSR in Zn-S System. In COMBUSTION SCIENCE AND TECHNOLOGY. ISSN 0010-2202, SEP 2 2013, vol. 185, no. 9, p. 1281-1294., WOS

[1.2] BURMEISTER, C.F. - KWADE, A Process engineering with planetary ball mills. In Chemical Society Reviews. ISSN 0303-0012, vol.42, 2013, iss.18, p.7660-7667, SCOPUS

[1.2] URAKAEV, F.K. Phenomenology, mechanism and kinetics of the combustion reactions in mechanochemical reactors for the example of Zn-S-Sn system processing in a ball mill (overview). In International Journal Computational Materials Science and Surface Engineering. ISSN 1753-3465, vol 5, 2013 iss.3, p.224-261, SCOPUS

[3.1] ALANKO, G.A. Thermodynamics and reaction kinetics during mechanochemical synthesis and environmental testing of lanthanide and actinide

refractory materials. A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Materials Science and Engineering Boise State University, May 2014, Boise, Idaho, 139 p

[3.1] ZAHARIEVA, K. - CHERKEZOVA-ZHELEVA, Z. - KUNEV, B. - DIMOVA, S. - TSVETKOV, S. - MITOV, I. - MILANOVA, M. Phase changes in nanodimensional cobalt ferrite-type material activated by mechanochemical treatment. In Tribological Journal BULTRIB, Vol. IV (2014) (Papers from the International Conference BULTRIB '13, October 24-26, 2013, Sofia, Society of Bulgarian Tribologists, Technical University of Sofia), 89-94

ADCA97 HAVLÍK, Tomáš - ŠKROBIAN, Milan - BALÁŽ, Peter - KAMMEL, R. Leaching of Chalcopyrite Concentrate with Ferric-Chloride. In *International Journal of Mineral Processing*, 1995, vol. 43., no. 1-2, p. 61-72. ISSN 0301-7516.

Ohlasy:

[1.1] LIU, Qingyou - LI, Heping. Electrochemical behaviour of chalcopyrite (CuFeS₂) in FeCl₃ solution at room temperature under differential stress. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, 2011, vol. 98, no. 1-2, pp. 82., WOS

[1.1] LI, Y. - KAWASHIMA, N. - LI, J. - CHANDRA, A. P. - GERSON, A. R. A review of the structure, and fundamental mechanisms and kinetics of the leaching of chalcopyrite. In ADVANCES IN COLLOID AND INTERFACE SCIENCE. ISSN 0001-8686, 2013, vol. 197, no., pp. 1., WOS

[1.1] LUNDSTROM, Mari - AROMAA, Jari - FORSEN, Olof. MICROSCOPY AND XRD INVESTIGATIONS OF THE PRODUCT LAYER FORMED DURING CHALCOPYRITE LEACHING IN COPPER(II) CHLORIDE SOLUTIONS. In PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING. ISSN 1643-1049, 2011, vol. 46, no., pp. 263., WOS

[1.1] TURAN, M. Deniz - ALTUNDOĞAN, H. Soner. Leaching of a copper flotation concentrate with ammonium persulfate in an autoclave system. In INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS. ISSN 1674-4799, 2014, vol. 21, no. 9, pp. 862., WOS

[1.2] ABADY, Ali Dehghani Ahmad - HEJAZI, Rasool - SAGHAEIAN, Seyed Majid. Optimization studies on the removal of copper from sarcheshmeh molybdenite concentrate by ferric chloride leaching. In 26th International Mineral Processing Congress, IMPC 2012: Innovative Processing for Sustainable Growth Conference Proceedings, 2012-12-01, pp. 1997-2005., SCOPUS

[1.2] DENİZ TURAN, M. - SONER ALTUNDOĞAN, H. Leaching of a copper flotation concentrate with ammonium persulfate in an autoclave system. In International Journal of Minerals, Metallurgy and Materials. ISSN 16744799, 2014-01-01, 21, 9, pp. 862-870., SCOPUS

[1.2] MO, Xiao Lan - LIN, Hai - FU, Kai Bin - DONG, Ying Bo - XU, Cheng Yan. Effect of sericite on bioleaching of chalcopyrite. In Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals. ISSN 10040609, 2012-05-01, 22, 5, pp. 1475-1481., SCOPUS

[1.2] ONYEDIKA, Gerald O. - ACHUSIM-UDENKO, A. C. - NWOKO, C. I A - OGWUEGBU, M. O C. Chemistry, processes and problems of complex ores utilization: Hydrometallurgical options. In International Journal of Chemical Sciences. ISSN 0972768X, 2012-06-22, 10, 1, pp. 112-130., SCOPUS

[1.2] QIAN, Gujie - LI, Jun - LI, Yubiao - GERSON, Andrea R. Probing the effect of aqueous impurities on the leaching of chalcopyrite under controlled

conditions. In Hydrometallurgy. ISSN 0304386X, 2014-01-01, 149, pp. 195-209., SCOPUS

ADCA98 HORVÁTH, D. - GMITRA, M. - MAJCHRÁK, Peter - BALÁŽ, Peter - VÁVRA, Ivo. The evidence of the localized point defect from the remagnetization of a magnetic dot array. In *Journal of Magnetism and Magnetic Materials*. - Amsterdam : Elsevier Science, 2006, vol. 304, p. 486-488. (0.985 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] KAVITHA, L. - SARAVANAN, M. - AKILA, N. - BHUVANESWARI, S. - GOPI, D. In PHYSICA SCRIPTA. MAR 2012, vol. 85, no. 3., WOS

ADCA99 HOUBEN, Andreas - ŠEPELÁK, Vladimír - BECKER, Klaus Dieter - DRONSKOWSKI, Richard. Itinerant Ferromagnet RhFe₃N: Advanced Synthesis and 57Fe Mossbauer Analysis. In *Chemistry of Materials*, 2009, vol. 21, p. 784-788. (5.046 - IF2008). (2009 - Current Contents). ISSN 0897-4756.

Ohlasy:

[1.1] GIL REBAZA, A.V. - DESIMONI, J. - KURIAN, S. - BHATTACHARYYA, S. - GAJBHIYE, N.S. - PELTZER Y BLANCA, E.L. Ab-initio study of the structural, electronic, magnetic and hyperfine properties of GaxFe_{4-x}N (0.00 ≤ x ≤ 1.00) nitrides. In *Journal of Physical Chemistry C* 115 (2011) 23081, WOS

[1.1] GUO, K. - RAU, D. - TOFFOLETTI, L. - MULLER, C. - BURKHARDT, U. - SCHNELLE, W. - NIEWA, R. - SCHWARZ, U. Ternary Metastable Nitrides epsilon-Fe₂TMN (TM = Co, Ni): High-Pressure, High-Temperature Synthesis, Crystal Structure, Thermal Stability, and Magnetic Properties. *CHEMISTRY OF MATERIALS*. ISSN 0897-4756, DEC 11 2012, vol. 24, no. 23, p. 4600-4606., WOS

[1.1] HAUTIER, G. - JAIN, A. - ONG, S.P. From the computer to the laboratory: materials discovery and design using first-principles calculations. *JOURNAL OF MATERIALS SCIENCE*. ISSN 0022-2461, NOV 2012, vol. 47, no. 21, SI, p. 7317-7340., WOS

[1.1] MIURA, A. - TAKEI, T. - KUMADA, N. Low-Temperature Nitridation of Manganese and Iron Oxides Using NaNH₂ Molten Salt. *INORGANIC CHEMISTRY*. ISSN 0020-1669, OCT 21 2013, vol. 52, no. 20, p. 11787-11791., WOS

[1.1] REBAZA, A.V.G. - DESIMONI, J. - KURIAN, S. - BHATTACHARYYA, S. - GAJBHIYE, N.S. - BLANCA, E.L.P.Y. Ab Initio Study of the Structural, Electronic, Magnetic, and Hyperfine Properties of GaxFe_{4-x}N (0.00 ≤ x ≤ 1.00) Nitrides. *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, NOV 24 2011, vol. 115, no. 46, p. 23081-23089., WOS

ADCA100 ISFAHANI, Mohammad Javad Nasr - MYNDYK, Maksym - ŠEPELÁK, Vladimír - AMIGHIAN, Jamshid. A Mössbauer Effect Investigation of the Formation of MnZn Nanoferrite Phase. In *Journal of Alloys and Compounds*, 2009, vol. 470, p. 434-437. (1.510 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

- [1.1] AHMED, M. A. - AFIFY, H. H. - EL ZAWAWIA, I. K. - AZAB, A. A. Novel structural and magnetic properties of Mg doped copper nanoferrites prepared by conventional and wet methods. In *Journal of Magnetism and Magnetic Materials*. ISSN 03048853, 2012-07-01, 324, 14, pp. 2199-2204., WOS
- [1.1] BARBA, Antonio - CLAUSELL, Carolina - JARQUE, Juan Carlos - MONZÓ, María. Obtainment of nanoparticulate CuNiZn ferrite powder by high-energy milling. In *Nippon Seramikkusu Kyokai Gakujutsu Ronbunshi/Journal of the Ceramic Society of Japan*. ISSN 18820743, 2012-08-01, 120, 1404, pp. 311-316., WOS
- [1.1] LAZAREVIĆ, Z. Ž - JOVALEKIĆ, Č - MILUTINOVIĆ, A. - SEKULIĆ, D. - ROMČEVIĆ, M. - SLANKAMENAC, M. - ROMČEVIĆ, N. Spectroscopy investigation of nanostructured zinc ferrite obtained by mechanochemical synthesis. In *Optoelectronics and Advanced Materials, Rapid Communications*. ISSN 18426573, 2013-11-15, 7, 9-10, pp. 720-725., WOS
- [1.1] LAZAREVIĆ, Z. Ž - JOVALEKIĆ, Č - REČNIK, A. - IVANOVSKI, V. N. - MITRIĆ, M. - ROMČEVIĆ, M. J. - PAUNOVIĆ, N. - CEKIĆ, B. D. - ROMČEVIĆ, N. Ž. Study of manganese ferrite powders prepared by a soft mechanochemical route. In *Journal of Alloys and Compounds*. ISSN 09258388, 2011-10-13, 509, 41, pp. 9977-9985., WOS
- [1.1] MITROVIC, N. S. - DJUKIC, S. R. - RANDJIC, S. - RISTANOVIC, Z. - DANNINGER, H. Soft Magnetic Properties of MnZn Ferrites Prepared by Powder Injection Moulding. In *SCIENCE OF SINTERING*. ISSN 0350-820X, 2012, vol. 44, no. 3, pp. 355., WOS
- [1.1] RANDHAWA, B. S. - SINGH, J. Synthesis, characterisation and magnetic/electrical properties of the magnesium-doped Li-Zn nanoferrites. In *Micro and Nano Letters*, 2011-06-01, 6, 6, pp. 358-362., WOS
- [1.1] SUNEETHA, T. - KUNDU, S. - KASHYAP, Subhash C. - GUPTA, H. C. - NATH, T. K. Superparamagnetic state by linear and non-linear AC magnetic susceptibility in Mn_{0.5}Zn_{0.5}Fe₂O₄ ferrites nanoparticles. In *Journal of Nanoscience and Nanotechnology*. ISSN 15334880, 2013-01-01, 13, 1, pp. 270-278., WOS
- [1.1] WANG, H.L. - YANG, Y. - WANG, H. - XIANG, H.W. - LI, Y.W. Effects of Zn promoter on the structure and Fischer-Tropsch performance of iron catalyst. In *Journal of Fuel Chemistry and Technology* 40 (2012), 59, WOS

ADCA101 ISFAHANI, Mohammad Javad Nasr - MYNDYK, Maksym - MENZEL, Dirk - FELDHOFF, Armin - AMIGHIAN, Jamshid - ŠEPELÁK, Vladimír. Magnetic Properties of Nanostructured MnZn Ferrite. In *Journal of Magnetism and Magnetic Materials*, 2009, vol. 321, no. 3, p. 152-156. (1.283 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

- [1.1] AHMED, M. A. - AFIFY, H. H. - EL ZAWAWIA, I. K. - AZAB, A. A. Novel structural and magnetic properties of Mg doped copper nanoferrites prepared by conventional and wet methods. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2012, vol. 324, no. 14, pp. 2199., WOS
- [1.1] AKHTAR, Majid Niaz - NASIR, Nadeem - KASHIF, Muhammad - YAHYA, Noorhana - AHMAD, Mukhtar - MURTAZA, Ghulam - KHAN, Muhammad Azhar - ASIF, M. H. - SATTAR, A. - RAZA, R. - SALEEM, M. -

KHAN, S. N. $\text{Mn}_{0.8}\text{Zn}_{0.2}\text{Fe}_2\text{O}_4$ nanoparticulates spinel ferrites: An approach to enhance the antenna field strength for improved magnitude versus offset (MVO). In PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL. ISSN 1002-0071, 2014, vol. 24, no. 4, pp. 364., WOS

[1.1] AKHTAR, M.N. - KHAN, M.A. - RAZA, M.R. - AHMAD, M. - MURTAZA, G. -RAZA, R. - SHAUKAT, S.F. - ASIF, M.H. - SALEEM, M. - NAZIR, M.S. Structural, morphological, dielectric and magnetic characterizations of $\text{Ni}_{0.6}\text{Cu}_{0.2}\text{Zn}_{0.2}\text{Fe}_2\text{O}_4$ (NCZF/MWCNTs/PVDF) nanocomposites for multilayer chip inductor (MLCI) applications. In Ceramics International 40 (10), (2014), 15821-15829, WOS

[1.1] ASSAR, S. T. - ABOSHEIASHA, H. F. Structure and magnetic properties of Co-Ni-Li ferrites synthesized by citrate precursor method. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2012, vol. 324, no. 22, pp. 3846., WOS

[1.1] BARBA, Antonio - CLAUSELL, Carolina - CARLOS JARQUE, Juan - MONZO, Maria. Obtainment of nanoparticulate CuNiZn ferrite powder by high-energy milling. In JOURNAL OF THE CERAMIC SOCIETY OF JAPAN. ISSN 1882-0743, 2012, vol. 120, no. 1404, pp. 311., WOS

[1.1] EBRAHIMI, S. A. Seyyed - MASOUDPANAH, S. M. Effects of pH and citric acid content on the structure and magnetic properties of MnZn ferrite nanoparticles synthesized by a sol-gel autocombustion method. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2014, vol. 357, no., pp. 77., WOS

[1.1] EBRAHIMI, S. A. Seyyed - MASOUDPANAH, S. M. - AMIRI, H. - YOUSEFZADEH, M. Magnetic properties of MnZn ferrite nanoparticles obtained by SHS and sol-gel autocombustion techniques. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2014, vol. 40, no. 5, pp. 6713., WOS

[1.1] KUMAR, E. Ranjith - JAYAPRAKASH, R. The role of fuel concentration on particle size and dielectric properties of manganese substituted zinc ferrite nanoparticles. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2014, vol. 366, no., pp. 33., WOS

[1.1] KUMAR, E. Ranjith - JAYAPRAKASH, R. Effect of combustion rate and annealing temperature on structural and magnetic properties of manganese substituted nickel and zinc ferrites. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2013, vol. 348, no., pp. 93., WOS

[1.1] KUMAR, E. Ranjith - JAYAPRAKASH, R. - KUMAR, Sanjay. Effect of annealing temperature on structural and magnetic properties of manganese substituted NiFe_2O_4 nanoparticles. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, 2014, vol. 17, no., pp. 173., WOS

[1.1] LAZAREVIC, Z. Z. - JOVALEKIC, C. - RECNIK, A. - IVANOVSKI, V. N. - MITRIC, M. - ROMCEVIC, M. J. - PAUNOVIC, N. - CEKIC, B. D. - ROMCEVIC, N. Z. Study of manganese ferrite powders prepared by a soft mechanochemical route. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2011, vol. 509, no. 41, pp. 9977., WOS

[1.1] MENG, Y. Y. - LIU, Z. W. - DAI, H. C. - YU, H. Y. - ZENG, D. C. - SHUKLA, S. - RAMANUJAN, R. V. Structure and magnetic properties of $\text{Mn}(\text{Zn})\text{Fe}_{2-x}\text{RE}_x\text{O}_4$ ferrite nano-powders synthesized by co-precipitation and refluxing method. In Powder Technology. ISSN 00325910, 2012-10-01, 229, pp. 270-275., WOS

- [1.1] NIAZ AKHTAR, M. - NASIR, N. - KASHIF, M. - YAHYA, N. - AHMAD, M. - MURTAZA, G. - AZHAR KHAN, M. - ASIF, M.H. - SATTAR, A. - RAZA, R. - SALEEM, M. - KHAN, S.N. $\text{Mn}_{0.8}\text{Zn}_{0.2}\text{Fe}_2\text{O}_4$ nanoparticulates spinel ferrites: An approach to enhance the antenna field strength for improved magnitude versus offset (MVO). *Progress in Natural Science: In Materials International* 24 (4), (2014), 364-372, WOS
- [1.1] OLIVA, M.I. - HEREDIA, A. - ZANDALAZINI, C.I. - CRIVELLO, M. - CORCHERO, E. Magnetic behavior of Mg–Al–Zn–Fe mixed oxides from precursors layered double hydroxide. In *Physica B: Condensed Matter* 407 (2012), 3125, WOS
- [1.1] RANJITH KUMAR, E. - JAYAPRAKASH, R. The role of fuel concentration on particle size and dielectric properties of manganese substituted zinc ferrite nanoparticles. In *Journal of Magnetism and Magnetic Materials* 366, (2014), 33-39, WOS
- [1.1] RANJITH KUMAR, E. - JAYAPRAKASH, R. - SEEHRA, M. S. - PRAKASH, T. - KUMAR, Sanjay. Effect of $\alpha\text{-Fe}_2\text{O}_3$ phase on structural, magnetic and dielectric properties of Mn-Zn ferrite nanoparticles. In *Journal of Physics and Chemistry of Solids*. ISSN 00223697, 2013-07-01, 74, 7, pp. 943-949., WOS
- [1.1] RANJITH KUMAR, E. - JAYAPRAKASH, R. - CHANDRASEKARAN, J. Effect of fuel ratio and the impact of annealing temperature on particle size, magnetic and dielectric properties of manganese substituted CuFe_2O_4 nanoparticles. In *Superlattices and Microstructures* 64, (2013) p. 343-353., WOS
- [1.1] RANJITH KUMAR, E. - JAYAPRAKASH, R. - KUMAR, S. Effect of annealing temperature on structural and magnetic properties of manganese substituted NiFe_2O_4 nanoparticles. In *Materials Science in Semiconductor Processing* 17, (2014), 173-177, WOS
- [1.1] SAAFAN, S.A. - ASSAR, S.T. - MANSOUR, S.F. Magnetic and electrical properties of $\text{Co}_{1-x}\text{Ca}_x\text{Fe}_2\text{O}_4$ nanoparticles synthesized by the auto combustion method. In *Journal of Alloys and Compounds* 542 (2012), 192, WOS
- [1.1] SEYYED EBRAHIMI, S.A. - MASOUDPANAH, S.M. - AMIRI, H. - YOUSEFZADEH, M. Magnetic properties of MnZn ferrite nanoparticles obtained by SHS and sol-gel autocombustion techniques. In *Ceramics International* 40 (5), (2014), 6713-6718, WOS
- [1.1] SEYYED EBRAHIMI, S.A. - MASOUDPANAH, S.M. Effects of pH and citric acid content on the structure and magnetic properties of MnZn ferrite nanoparticles synthesized by a sol-gel autocombustion method. In *Journal of Magnetism and Magnetic Materials* 357, (2014), 77-81., WOS
- [1.2] MODI, Kunal B. - VASOYA, Nimish H. - LAKHANI, Vinay K. - PATHAK, Tushar K. Spherical to needle shaped particles transformation study on nanocrystalline Mg-Mn Ferrites. In *Journal of Advanced Microscopy Research*. ISSN 21567573, 2012-03-01, 7, 1, pp. 40-43., SCOPUS

ADCA102 ISFAHANI, Mohammad Javad Nasr - MYNDYK, Maksym - ARANI, Mohammad Eghbali - ŠUBRT, Jan - ŠEPELÁK, Vladimír. Structural and Magnetic Properties of $\text{NiFe}_{2-2x}\text{Sn}_x\text{Cu}_x\text{O}_4$. In *Journal of Magnetism and Magnetic Materials*, 2010, vol. 322, no. 13, p. 1744-1747. (1.204 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] CAO JUN-GANG - LI JIAN-JUN - DUAN HAI-FENG - LIN YING-JIE. Synthesis and Characterization of Manganese-copper Spinel Ferrite Powders. In CHEMICAL RESEARCH IN CHINESE UNIVERSITIES. ISSN 1005-9040, 2012, vol. 28, no. 4, pp. 590., WOS

[1.1] DE LOS REYES, Massey - WHITTLE, Karl R. - ZHANG, Zhaoming - ASHBROOK, Sharon E. - MITCHELL, Martin R. - JANG, Ling-Yun - LUMPKIN, Gregory R. The pyrochlore to defect fluorite phase transition in $\text{Y}_2\text{Sn}_{2-x}\text{Zr}_x\text{O}_7$. In RSC ADVANCES. ISSN 2046-2069, 2013, vol. 3, no. 15, pp. 5090., WOS

[1.1] PRAVEENA, K. - RADHIKA, B. - SRINATH, S. Dielectric and magnetic properties of $\text{NiFe}_{2-x}\text{Bi}_x\text{O}_4$ nanoparticles at microwave frequencies prepared via co-precipitation method. In Procedia Engineering 76, (2014), 1-7, WOS

ADCA103 JAKABSKÝ, Štefan - LOVÁS, Michal - MOCKOVČIAKOVÁ, Annamária - HREDZÁK, Slavomír. Utilization of ferromagnetic fluids in mineral processing and water treatment. In *Journal of radioanalytical and nuclear chemistry*, 2000, vol. 246, p. 543-547. ISSN 0236-5731.

Ohlasy:

[3] MAKHIJA, S. Some stability problems of Non-Newtonian Fluids. Thesis submitted in fulfillment of the requirements for the Degree of Doctor of Philosophy. Department of Mathematics, Jaypee Institute of Information Technology, Noida, India, December 2012, 212 p

[3.1] CHEN, Y. Experiment of a magnetically controlled ferrofluids in a flat plate channel flow and thrust bearing system, PhD. Thesis (2014), Chung Yuan Christian University, Taiwan

ADCA104 JESENÁK, V. - TURČÁNIOVÁ, Ľudmila - TKÁČOVÁ, Klára. Kinetic analysis of thermal decomposition of magnesite - Influence of generated defects and their annealing. In *Journal of Thermal Analysis and Calorimetry*, 1997, vol. 48, no. 1, p. 93-106. (1997 - Current Contents). ISSN 1388-6150.

Ohlasy:

[1.1] SINGH, Rakesh K. - YADAV, A. - NARAYAN, A. - SINGH, Amrendra K. - VERMA, L. - VERMA, R. K. Thermal, structural and magnetic studies on chromite spinel synthesized using citrate precursor method and annealed at 450 and 650 A degrees C. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2012, vol. 107, no. 1, pp. 197., WOS

ADCA105 KAMAN, O. - VEVERKA, P. - JIRÁK, Z. - MARYŠKO, M. - KNIŽEK, K. - VEVERKA, M. - KAŠPAR, P. - ŠEPELÁK, Vladimír - POLLERT, E. The magnetic and hyperthermia studies of bare and silica-coated $\text{La}_{0.75}\text{Sr}_{0.25}\text{MnO}_3$ nanoparticles. In *Journal of Nanoparticle Research*, 2011, vol. 13, no. 3, p. 1237-1252. (3.253 - IF2010). (2011 - Current Contents). ISSN 1388-0764.

Ohlasy:

[1.1] ANDREU, I. - NATIVIDAD, E. Accuracy of available methods for quantifying the heat power generation of nanoparticles for magnetic hyperthermia. In International Journal of Hyperthermia 29 (8), (2013) p. 739-751, WOS

- [1.1] LIU, R. - SHEN, X. - JIANG, C. - SONG, F. - LI, H. Preparation of Ni_{0.5}Zn_{0.5}Fe₂O₄/SiO₂ nanocomposites and their adsorption of bovine serum albumin. In *Journal of Alloys and Compounds* 511 (2012), 163, WOS
- [1.1] MACKOVÁ, H. - PROKS, V. - HORÁK, D. - KUČKA, J. - TRCHOVÁ, M. Magnetic poly(N-propargylacrylamide) microspheres: Preparation by precipitation polymerization and use in model click reactions. In *Journal of Polymer Science Part A: Polymer Chemistry* 49 (2011), 4820, WOS
- [1.1] MACKOVÁ, H. - HORÁK, D. - PETROVSKÝ, E. - KOVÁŘOVÁ, J. Magnetic hollow poly(N-isopropylacrylamide-co-N,N'-methylenebisacrylamide-co-glycidyl acrylate) particles prepared by inverse emulsion polymerization. In *Colloid and Polymer Science* 291 (1), (2013) p. 205-213, WOS
- [1.1] MAKOVEC, D. - GORŠAK, T. - ZUPAN, K. - LISJAK, D. Hydrothermal synthesis of La_{1-x}Sr_xMnO₃ dendrites. In *Journal of Crystal Growth* 375, (2013) p. 78-83., WOS
- [1.1] RASHID, A.U. - AHMED, A. - AHMAD, S.N - SHAHEEN, S.A. - MANZOOR, S. Study of specific absorption rate of strontium doped lanthanum manganite nanoparticles for self-controlled hyperthermia applications. In *Journal of Magnetism and Magnetic Materials* 347, (2013) p. 39-44, WOS

ADCA106 KIPP, S. - ŠEPELÁK, Vladimír - BECKER, Klaus Dieter. Mechanochemie: Chemie mit dem Hammer. In *Chemie In Unserer Zeit*, 2005, vol. 39, no. 6, p. 384-392. ISSN 0009-2851.

Ohlasy:

- [1.1] AGYEI-TUFFOUR, B. - ANNAN, E. - RWENYAGILA, E.R. - AMPAW, E. - ARTHUR, E. - MUSTAPHA, K. - KOLAWOLE, S. - SOBOYEJO, W.O. - MARINOV, M.I. - RADEV, D.D. Untraditional synthesis of Ni-based alloys for medical application. In *ARNP Journal of Engineering and Applied Sciences* 8 (4), (2013) p. 270-276., WOS
- [1.1] FURLONG, Octavio - MILLER, Brendan - KOTVIS, Peter - ADAMS, Heather - TYSOE, Wilfred T. Shear and thermal effects in boundary film formation during sliding. *RSC ADVANCES*. ISSN 2046-2069, 2014, vol. 4, no. 46, p. 24059-24066., WOS
- [1.1] JAMES, Stuart L. - ADAMS, Christopher J. - BOLM, Carsten - BRAGA, Dario - COLLIER, Paul - FRISCIC, Tomislav - GREPIONI, Fabrizia - HARRIS, Kenneth D. M. - HYETT, Geoff - JONES, William - KREBS, Anke - MACK, James - MAINI, Lucia - ORPEN, A. Guy - PARKIN, Ivan P. - SHEAROUSE, William C. - STEED, Jonathan W. - WADDELL, Daniel C. Mechanochemistry: opportunities for new and cleaner synthesis. *CHEMICAL SOCIETY REVIEWS*. ISSN 0306-0012, 2012, vol. 41, no. 1, p. 413-447., WOS
- [1.1] JÖRRES, M. - MERSMANN, S. - RAABE, G. - BOLM, C. Organocatalytic solvent-free hydrogen bonding-mediated asymmetric Michael additions under ball milling conditions. In *Green Chemistry* 15 (3), (2013) p. 612-616., WOS
- [1.1] NUN, Pierrick - MARTIN, Charlotte - MARTINEZ, Jean - LAMATY, Frederic. Solvent-free synthesis of hydrazones and their subsequent N-alkylation in a Ball-mill. *TETRAHEDRON*. ISSN 0040-4020, OCT 21 2011, vol. 67, no. 42, p. 8187-8194., WOS
- [1.1] NUN, Pierrick - PEREZ, Violaine - CALMES, Monique - MARTINEZ, Jean - LAMATY, Frederic. Preparation of Chiral Amino Esters by Asymmetric

Phase-Transfer Catalyzed Alkylations of Schiff Bases in a Ball Mill.
CHEMISTRY-A EUROPEAN JOURNAL. ISSN 0947-6539, MAR 2012, vol.
18, no. 12, p. 3773-3779., WOS

[1.1] PERCHYONOK, V. Tamara - LYKAKIS, Ioannis - POSTIGO, Al.
Development of Free Radical Green Chemistry and Technology: Journey through
Times, Solvents, Causes, Effects and Assessments. STREAMLINING FREE
RADICAL GREEN CHEMISTRY. 2012, p. 1-57., WOS

[1.1] PERCHYONOK, V. Tamara - LYKAKIS, Ioannis - POSTIGO, Al.
Solvent-Free Carbon-Carbon Bond Formations in Ball Mills and in the Solid
State. STREAMLINING FREE RADICAL GREEN CHEMISTRY. 2012, p.
99-105., WOS

[1.1] STÖBER, R. - FEIST, M. - WILLGEROTH, C. -
EMMERLING, F. - MENZEL, M. REUTHER, H. The "quiet
Goldschmidt" - A mechanochemical, thermoanalytical, and spectroscopic study
of selected steps of the aluminothermic reaction. In Journal of Solid State
Chemistry 202, (2013) p. 173-190., WOS

[1.1] URAKAEV, Farit Kh. Mechanochemical synthesis of nanoparticles by
a dilution method: determination of the particle mixing coefficient in a ball mill.
MENDELEEV COMMUNICATIONS. ISSN 0959-9436, JUL-AUG 2012, vol.
22, no. 4, p. 215-217., WOS

[1.1] XU, Fang - LI, Yujin - XU, Fengshuang - YE, Qing - HAN, Liang -
GAO, Jianrong - YU, Wubin. Solvent-free synthesis of
2-aminothiophene-3-carbonitrile derivatives using high-speed vibration milling.
JOURNAL OF CHEMICAL RESEARCH. ISSN 1747-5198, JUL 2014, no. 7, p.
450-452., WOS

[1.2] RADEV, D.D. Nickel-containing alloys for medical application
obtained by methods of mechanochemistry and powder metallurgy. In ISRN
Metallurgy 2012 (2012) 464089, SCOPUS

ADCA107 KONERACKÁ, Martina - ANTOŠOVÁ, Andrea - ZÁVIŠOVÁ, Vlasta -
LANCZ, Gábor - GAŽOVÁ, Zuzana - ŠIPOŠOVÁ, Katarína - JURÍKOVÁ, Alena -
CSACH, Kornel - KOVÁČ, Jozef - TOMAŠOVIČOVÁ, Natália - FABIÁN, Martin
- KOPČANSKÝ, Peter. Characterization of Fe₃O₄ Magnetic Nanoparticles
Modified with Dextran and Investigation of Their Interaction with Protein Amyloid
Aggregates. In *Acta Physica Polonica A*, 2010, vol. 118, no. 5, p. 983-985. (0.433 -
IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.

Ohlasy:

[1.1] DABEK, Leszek - HORNOWSKI, Tomasz - JOZEF CZAK, Arkadiusz
- SKUMIEL, Andrzej. Ultrasonic Properties of Magnetic Nanoparticles with an
Additional Biocompatible Dextrane Layer. In ARCHIVES OF ACOUSTICS.
ISSN 0137-5075, 2013, vol. 38, no. 1, pp. 93., WOS

[1.1] JOZEF CZAK, A. - HORNOWSKI, T. - ROZYNEK, Z. - SKUMIEL,
A. - FOSSUM, J. O. Rheological Study of Dextran-Modified Magnetite
Nanoparticle Water Suspension. In INTERNATIONAL JOURNAL OF
THERMOPHYSICS. ISSN 0195-928X, 2013, vol. 34, no. 4, pp. 609., WOS

ADCA108 KOSTOVA, Nina G. - KRALEVA, E. - SPOJAKINA, A. A. -
GODOČÍKOVÁ, Erika - BALÁŽ, Peter. Effect of preparation technique on the
properties of Mo-containing Al-MCM-41. In *Journal of Materials Science*, 2007,

vol. 42, no. 10, p. 3321-3325. (0.999 - IF2006). (2007 - Current Contents). ISSN 0022-2461.

Ohlasy:

[1.1] SILVA, Adriano Santos; Ana - HONORATO DA SILVA, Flavio Luiz - CORDEIRO CARVALHO, Maria Wilma N. - DE OLIVEIRA PEREIRA, Kleber Ricardo - DE LIMA, Ezenildo Emanuel. CELLULOSE HYDROLYSIS BY MESOESTRUTURATED NiO-MCM-41 AND MoO₃-MCM-41 CATALYSTS. In QUIMICA NOVA. ISSN 0100-4042, 2012, vol. 35, no. 4, pp. 683., WOS

[1.1] THATSHANAMOORTHY, Velayutham - SURESH, Ranganathan - GIRIBABU, Krishnamoorthy - MANIGANDAN, Ramadoss - NARAYANAN, Vengidusamy. Characterization of Mo-MCM-41 and its Electrochemical Sensing Property. In SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY. ISSN 1553-3174, 2014, vol. 44, no. 8, pp. 1194., WOS

ADCA109 KOSTOVA, Nina G. - SPOJAKINA, A. A. - DUTKOVÁ, Erika - BALÁŽ, Peter. Mechanochemical approach for preparation of Mo-containing β -zeolite. In *Journal of Physics and Chemistry of Solids*, 2007, vol. 68, p. 1169-1172. (1.164 - IF2006). (2007 - Current Contents). ISSN 0022-3697.

Ohlasy:

[1.1] MAJANO, G. - BORCHARDT, L. - MITCHELL, S. - VALTCHEV, V. - PEREZ-RAMIREZ, J. Rediscovering zeolite mechanochemistry - A pathway beyond current synthesis and modification boundaries. In MICROPOROUS AND MESOPOROUS MATERIALS. ISSN 1387-1811, AUG 2014, vol. 194, p. 106-114., WOS

[1.1] RALPHS, K. - HARDACRE, C. - JAMES, S.L. Application of heterogeneous catalysts prepared by mechanochemical synthesis. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2013, vol. 42, no. 18, p. 7701-7718., WOS

ADCA110 KOSTOVA, Nina G. - ELIYAS, Alexander - FABIÁN, Martin - ACHIMOVÍČOVÁ, Marcela - BALÁŽ, Peter. Photocatalytic properties of mechanochemically synthesized nanocrystalline ZnAl₂O₄ and CdSe. In *Acta Physica Polonica A*, 2014, vol. 126, no. 4, p. 967-970. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.

Ohlasy:

[1.1] BATTISTON, Suellen - RIGO, Caroline - SEVERO, Eric da Cruz - MAZUTTI, Marcio Antonio - KUHN, Raquel Cristine - GUENDEL, Andre - FOLETTO, Edson Luiz. Synthesis of Zinc Aluminate (ZnAl₂O₄) Spinel and Its Application as Photocatalyst. In MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS. ISSN 1516-1439, MAY-JUN 2014, vol. 17, no. 3, p. 734-738., WOS

ADCA111 KREMENOVIC, A. - BOZANIC, D. K. - WELSCH, A. M. - JANCAR, B. - NIKOLIC, A. S. - BOSKOVICS, Miklós - COLOMBAN, Ph. - FABIÁN, Martin - ANTIC, B. Effects of Eu³⁺ Concentration on Structural, Optical and Vibrational Properties of Multifunctional Ce_{1-x}EuxO_{2-δ} Nanoparticles Synthesized by Thermolysis of 2,4-Pentanedione Complexes. In *Journal of Nanoscience and*

Nanotechnology, 2012, vol.12, p. 8893-8899. (1.563 - IF2011). (2012 - Current Contents). ISSN 1533-4880.

Ohlasy:

[1.1] PODOBA, R. - STUBNA, I. - TRNOVCOVA V. - TRNIK, A.
Temperature dependence of DC electrical conductivity of kaolin. In *Journal of Thermal Analysis and Calorimetry*, Vol. 118 (2013), p. 597-601, WOS

ADCA112 KRIČOVÁ, Lenka - ŠTEVULOVÁ, Nadežda. The kinetic study of the synthesis of magnesium aluminate spinel from mechanochemically treated mixtures of oxide-hydroxide. In *Journal of Materials Science*, 2004, vol. 39, no. 16-17, p. 5403-5405. (0.826 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0022-2461.

Ohlasy:

[1.1] GANESH, I. A review on magnesium aluminate ($MgAl_2O_4$) spinel: synthesis, processing and applications. In *INTERNATIONAL MATERIALS REVIEWS*. ISSN 0950-6608, 2013, vol. 58, no. 2, pp. 63., WOS

ADCA113 KUPKA, Daniel - RZHEPISHEVSKA, O.I. - DOPSON, Mark - LINDSTROM, E.B. - KARNACHUK, O.V. - TUOVINEN, Olli H. Bacterial oxidation of ferrous iron at low temperatures. In *Biotechnology and Bioengineering*, 2007, vol. 97, no. 6, p. 1470-1478. (2.999 - IF2006). (2007 - Current Contents). ISSN 0006-3592.

Ohlasy:

[1.1] AMOURIC, Agnes - BROCHIER-ARMANET, Celine - JOHNSON, D. Barrie - BONNEFOY, Violaine - HALLBERG, Kevin B. Phylogenetic and genetic variation among Fe(II)-oxidizing acidithiobacilli supports the view that these comprise multiple species with different ferrous iron oxidation pathways. In *MICROBIOLOGY-SGM*. ISSN 1350-0872, 2011, vol. 157, no., pp. 111., WOS

[1.1] ASTA, Maria P. - NORDSTROM, D. Kirk - MCCLESKEY, R. Blaine. Simultaneous oxidation of arsenic and antimony at low and circumneutral pH, with and without microbial catalysis. In *APPLIED GEOCHEMISTRY*. ISSN 0883-2927, 2012, vol. 27, no. 1, pp. 281., WOS

[1.1] AY TAR, Pinar - KAY, Catherine M. - MUTLU, Mehmet Burcin - CABUK, Ahmet. Coal Desulfurization with Acidithiobacillus ferrivorans, from Balya Acidic Mine Drainage. In *ENERGY & FUELS*. ISSN 0887-0624, 2013, vol. 27, no. 6, pp. 3090., WOS

[1.1] BARAHONA, Sergio - DORADOR, Cristina - ZHANG, Ruiyong - AGUILAR, Pablo - SAND, Wolfgang - VERA, Mario - REMONSELLEZ, Francisco. Isolation and characterization of a novel Acidithiobacillus ferrivorans strain from the Chilean Altiplano: attachment and biofilm formation on pyrite at low temperature. In *RESEARCH IN MICROBIOLOGY*. ISSN 0923-2508, 2014, vol. 165, no. 9, pp. 782., WOS

[1.1] BELLENBERG, Soeren - DIAZ, Mauricio - NOEL, Nanni - SAND, Wolfgang - POETSCH, Ansgar - GUILIANI, Nicolas - VERA, Mario. Biofilm formation, communication and interactions of leaching bacteria during colonization of pyrite and sulfur surfaces. In *RESEARCH IN MICROBIOLOGY*. ISSN 0923-2508, 2014, vol. 165, no. 9, pp. 773., WOS

[1.1] KUSNIEROVA, Maria - PRASCAKOVA, Maria - NOWAK, Anna K. - GORAZDA, Katarzyna - WZOREK, Zbigniew. Biogenic catalysis in sulphide minerals' weathering processes and acid mine drainage genesis. In *ACTA*

BIOCHIMICA POLONICA. ISSN 0001-527X, 2014, vol. 61, no. 1, pp. 33.,
WOS

[1.1] MYKYTCZUK, Nadia C. S. - TREVORS, Jack T. - FOOTE, Simon J. - LEDUC, Leo G. - FERRONI, Garry D. - TWINE, Susan M. Proteomic insights into cold adaptation of psychrotrophic and mesophilic Acidithiobacillus ferrooxidans strains. In ANTONIE VAN LEEUWENHOEK INTERNATIONAL JOURNAL OF GENERAL AND MOLECULAR MICROBIOLOGY. ISSN 0003-6072, 2011, vol. 100, no. 2, pp. 259., WOS

[1.1] MYKYTCZUK, Nadia C. S. - TREVORS, Jack T. - FOOTE, Simon J. - LEDUC, Leo G. - FERRONI, Garry D. - TWINE, Susan M. Proteomic insights into cold adaptation of psychrotrophic and mesophilic Acidithiobacillus ferrooxidans strains. In ANTONIE VAN LEEUWENHOEK INTERNATIONAL JOURNAL OF GENERAL AND MOLECULAR MICROBIOLOGY. ISSN 0003-6072, 2011, vol. 100, no. 2, pp. 259., WOS

[1.1] ONGENDANGENDA, H. N. - OJUMU, T. V. The effect of initial pH on the kinetics of ferrous-iron biooxidation at low temperature. In AFRICAN JOURNAL OF BIOTECHNOLOGY. ISSN 1684-5315, 2011, vol. 10, no. 9, pp. 1679., WOS

[1.1] RAISWELL, Robert - CANFIELD, Donald E. THE IRON BIOGEOCHEMICAL CYCLE PAST AND PRESENT. In GEOCHEMICAL PERSPECTIVES. ISSN 2223-7755, 2012, vol. 1, no. 1, pp. 1., WOS

[1.1] TU, Bowen - LI, Juan - GUO, Yueshuai - GUO, Xuejiang - LU, Xiancai - HAN, Xiaodong. Compensation phenomena found in Acidithiobacillus ferrooxidans after starvation stress. In JOURNAL OF BASIC MICROBIOLOGY. ISSN 0233-111X, 2014, vol. 54, no. 6, pp. 597., WOS

[1.1] TU, Bowen - WANG, Fuqiang - LI, Juan - SHA, Jiahao - LU, Xiancai - HAN, Xiaodong. Analysis of Genes and Proteins in Acidithiobacillus ferrooxidans During Growth and Attachment on Pyrite Under Different Conditions. In GEOMICROBIOLOGY JOURNAL. ISSN 0149-0451, 2013, vol. 30, no. 3, pp. 255., WOS

[1.1] VOLLRATH, Susann - BEHRENDTS, Thilo - KOCH, Christian Bender - VAN CAPPELLEN, Philippe. Effects of temperature on rates and mineral products of microbial Fe(II) oxidation by Leptothrix cholodnii at microaerobic conditions. In GEOCHIMICA ET COSMOCHIMICA ACTA. ISSN 0016-7037, 2013, vol. 108, no., pp. 107., WOS

[1.2] SONG, Yong Wei - ZHAO, Bo Wen - HUO, Min Bo - CUI, Chun Hong - ZHOU, Li Xiang. Effect of temperature on activity of acidithiobacillus ferrooxidans and formation of biogenic secondary iron minerals. In Huanjing Kexue/Environmental Science. ISSN 02503301, 2013-08-01, 34, 8, pp. 3264-3271., SCOPUS

[4] DAKOS, Zuzana. Bakteriálna transformácia minerálov s obsahom železa. Dakos Z. Košice, 2011. 105. Ústav geotechniky SAV v Košiciach

ADCA114 KUPKA, Daniel - LILJEQVIST, Maria - NURMI, Pauliina - PUHAKKA, Jaakko A. - TUOVINEN, Olli H. - DOPSON, Mark. Oxidation of elemental sulfur, tetrathionate and ferrous iron by the psychrotolerant Acidithiobacillus strain SS3. In *Research in Microbiology*, 2009, vol. 160, no. 10, p. 767-774. (2.055 - IF2008). (2009 - Current Contents). ISSN 0923-2508.

Ohlasy:

[1.1] CHEN, Peng - YAN, Lei - LENG, Feifan - NAN, Wenbing - YUE,

Xiaoxuan - ZHENG, Yani - FENG, Na - LI, Hongyu. Bioleaching of realgar by Acidithiobacillus ferrooxidans using ferrous iron and elemental sulfur as the sole and mixed energy sources. In BIORESOURCE TECHNOLOGY. ISSN 0960-8524, 2011, vol. 102, no. 3, pp. 3260., WOS

[1.1] MIRANDA-TREVINO, Jorge C. - PAPPOE, Michael - HAWBOLDT, Kelly - BOTTARO, Christina. The Importance of Thiosalts Speciation: Review of Analytical Methods, Kinetics, and Treatment. In CRITICAL REVIEWS IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY. ISSN 1064-3389, 2013, vol. 43, no. 19, pp. 2013., WOS

[1.1] RO, Sophoanrith - SEANJAN, Patcharee - TULAPHITAK, Thepparit - INUBUSHI, Kazuyuki. Sulfate content influencing methane production and emission from incubated soil and rice-planted soil in Northeast Thailand. In SOIL SCIENCE AND PLANT NUTRITION. ISSN 0038-0768, 2011, vol. 57, no. 6, pp. 833., WOS

[1.1] WU, Xiaofen - WONG, Zhen Lim - STEN, Pekka - ENGBLOM, Sten - OSTERHOLM, Peter - DOPSON, Mark. Microbial community potentially responsible for acid and metal release from an Ostrobothnian acid sulfate soil. In FEMS MICROBIOLOGY ECOLOGY. ISSN 0168-6496, 2013, vol. 84, no. 3, pp. 555., WOS

[1.2] AYTAR, Pinar - KAY, Catherine M. - MUTLU, Mehmet Burçin - ÇABUK, Ahmet. Coal desulfurization with acidithiobacillus ferrivorans, from Balya acidic mine drainage. In Energy and Fuels. ISSN 08870624, 2013-06-20, 27, 6, pp. 3090-3098., SCOPUS

[1.2] BARAHONA, Sergio - DORADOR, Cristina - ZHANG, Ruiyong - AGUILAR, Pablo - SAND, Wolfgang - VERA, Mario - REMONSELLEZ, Francisco. Isolation and characterization of a novel Acidithiobacillus ferrivorans strain from the Chilean Altiplano: Attachment and biofilm formation on pyrite at low temperature. In Research in Microbiology. ISSN 09232508, 2014-01-01, 165, 9, pp. 782-793., SCOPUS

[1.2] BARAHONA, S. - DORADOR, C. - REMONSELLEZ, F. Identification and characterization of a psychrotolerant acidithiobacillus strain from chilean altiplano. In Advanced Materials Research. ISSN 10226680, 2013-11-06, 825, pp. 74-78., SCOPUS

ADCA115 KUŠNIEROVÁ, Mária. Prognosis of the stability of arsenic in the biotope of the brown-coal dump. In *Journal of Hazardous Materials*, 1994, vol. 37, no.1, p. 27-31. ISSN 0304-3894.

Ohlasy:

[1.1] KOLECIK, M. - CERNANSKY, S. - URIK, M. - LITTERA, P. - MOLNAROVA, M. - GARDOSOVA, K. - STUBNA, J. - VOJTKOVA, H. - CHIPIK, J. Solubilization of toxic metal mineral by the Aspergillus niger strain and oxalic acid. In Fresenius Environmental Bulletin, Vol. 21 (2012) Issue 8A, 2289-2297, WOS

ADCA116 LOVÁS, Michal - KOVÁČOVÁ, Milota - DIMITRAKIS, Georgios - DOLINSKÁ, Silvia - ZNAMENÁČKOVÁ, Ingrid - JAKABSKÝ, Štefan. Modeling of microwave heating of andesite and minerals. In *International Journal of Heat and Mass Transfer*, 2010, vol. 53, no. 17-18, p. 3387-3393. (1.947 - IF2009). (2010 - Current Contents). ISSN 0017-9310.

Ohlasy:

[1.1] CHERBANSKI, Robert - RUDNIAK, Leszek. Modelling of microwave heating of water in a monomode applicator Influence of operating conditions. In INTERNATIONAL JOURNAL OF THERMAL SCIENCES. ISSN 1290-0729, 2013, vol. 74, no., pp. 214., WOS

[1.1] KORICHI, S. - ELIAS, A. - MEFTI, A. - BENSMALI, A. The effect of microwave irradiation and conventional acid activation on the textural properties of smectite: Comparative study. In APPLIED CLAY SCIENCE. ISSN 0169-1317, 2012, vol. 59-60, no., pp. 76., WOS

[1.1] LIU, Chenhui - ZHANG, Libo - PENG, Jinhui - LIU, Bingguo - XIA, Hong-ying - LI, Wei. THE EFFECT OF TEMPERATURE ON COMPLEX PERMITTIVITY AND MICROWAVE ABSORPTION PROPERTIES OF AN ILMENITE CONCENTRATE AT 2450 MHz. In T.T. CHEN HONORARY SYMPOSIUM ON HYDROMETALLURGY, ELECTROMETALLURGY AND MATERIALS CHARACTERIZATION, 2012, vol., no., pp. 741., WOS

[1.1] SHIH, Tien-Mo - ZHENG, Yingbin - ARIE, Martinus - ZHENG, Jin-Cheng. Literature Survey of Numerical Heat Transfer (2010-2011). In NUMERICAL HEAT TRANSFER PART A-APPLICATIONS. ISSN 1040-7782, 2013, vol. 64, no. 6, pp. 435., WOS

[1.1] ZHAO, Wei - CHEN, Jin - CHANG, Xiaodong - GUO, Shenghui - SRINIVASAKANNAN, C. - CHEN, Guo - PENG, Jinhui. Effect of microwave irradiation on selective heating behavior and magnetic separation characteristics of Panzhihua ilmenite. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2014, vol. 300, no., pp. 171., WOS

[1.2] MELLO, P.A. - BARIN, J.S. - GUARNIERI, R.A. Microwave Heating (Book Chapter). In Microwave-Assisted Sample Preparation for Trace Element Determination (2014) p.59-75., SCOPUS

[1.2] SHANG, Xiaobiao - CHEN, Junruo - SHEN, Nanshang - SHI, Yifeng - ZHANG, Bangqi - CHEN, Guo - PENG, Jinhui. Numerical simulation of electromagnetic fields in microwave gas heating system: Influence of the dielectric properties. In TMS Annual Meeting, 2013-04-26, pp. 443-449., SCOPUS

[3] PROKOPENKO, A. Microwave Heating for Emolliating and Fracture of Rocks. In Advances in Induction and Microwave Heating of Mineral and Organic Materials, . p. 313-338, Edited by Prof. Stanislaw Grundas. February 2011, ISBN 978-953-307-522-8, 752 pages

[3] XIANG, ZHAO – LIPING, YAN – KAMA, HUANG. Review of Numerical Simulation of Microwave Heating Process . In Advances in Induction and Microwave Heating of Mineral and Organic Materials. p. 27-48, Edited by Prof. Stanislaw Grundas. February 2011, 27-48, ISBN 978- 953-307-522-8, 752 pages.

[3.1] LIU, C.H. - PENG, J.H. - LI, X.Y. - ZHANG L. - JIANG, Y. - GUO S.H. Dielectric properties and microwave heating characteristics of ilmenite for welding electrode. In Non-ferrous Metals Science and Engineering, Vol. 5 (2014), No. 6, 1-7.

ADCA117 LUKČOVÁ, Mária - TURČÁNIOVÁ, Ľudmila - DOLINSKÁ, Silvia - ZUBRIK, Anton - HREDZÁK, Slavomír - HUDYMÁČOVÁ, Ľ. Mechanochemical activation of humic acids in the brown coal. In *Journal of Alloys and Compounds*,

2007, vol. 434-435, p. 842-845. (1.250 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] LEHMANN, Bastian - SCHROEDER, Hans-Werner - WOLLENBERG, Ralf - REPKE, Jens-Uwe. Effect of miscanthus addition and different grinding processes on the quality of wood pellets. In *BIOMASS & BIOENERGY*. ISSN 0961-9534, 2012, vol. 44, no., pp. 150., WOS

[1.1] LEHMANN, Bastian - SCHROEDER, Hans-Werner - WOLLENBERG, Ralf - LANGE, Raimund - REPKE, Jens-Uwe. Effect of Process Variables on the Quality Characteristics of Pelleted Wood-Xylite Mixtures. In *ENERGY & FUELS*. ISSN 0887-0624, 2011, vol. 25, no. 8, pp. 3776., WOS

[3] MACHÁČKOVÁ, M. Lignitové hydrokoloidy. Diplomová práce. Centrum materiálového výzkumu, Fakulta chemická, Vysoké učení technické v Brně, Brno 2013, 74 s

[3] PEKAŘ, M. - MACHÁČKOVÁ, M. Hydrocolloids Prepared from Humic-Rich Lignite. In *Functions of Natural Organic Matter in Changing Environment* 2013, p. 159-163

[3] PEKAŘ, M. - MACHÁČKOVÁ, M. Hydrocolloids Prepared from Humic-Rich Lignite. In *Functions of Natural Organic Matter in Changing Environment* (eds. Jianming Xu, Jianjun Wu, Yan He), Zhejiang University Press and Springer Science + Business Media Dordrecht, ISBN: 978-94- 007-5633-5, Vol. 1 (2013), p. 159-163

ADCA118 LUPTÁKOVÁ, Alena - UBALDINI, Stefano - MAČINGOVÁ, Eva - FORNARI, Pietro - GIULIANO, Veronica. Application of physical-chemical and biological-chemical methods for heavy metals removal from acid mine drainage. In *Process Biochemistry*, 2012, vol. 47, no. 11, p. 1633-1639. (2.627 - IF2011). (2012 - Current Contents). ISSN 1359-5113.

Ohlasy:

[1.1] GHASSA, Sina - BORUOMAND, Zohreh - ABDOLLAHI, Hadi - MORADIAN, Marzie - AKCIL, Ata. Bioleaching of high grade Zn-Pb bearing ore by mixed moderate thermophilic microorganisms. In *Separation and Purification Technology*. ISSN 13835866, 2014-11-05, 136, pp. 241-249., WOS

[1.1] HEVIÁNKOVÁ, Silvie - ŠPAKOVSKÁ, Barbora - KLIMKO, Tomáš - KYNCL, Miroslav - BÍLSKÁ, Zuzana - KUČEROVÁ, Lucie. Acid mine drainage treatment by ash from wooden chip combustion: Study of mine water composition in dependence on the ash dose and duration of mutual interaction. In *Carpathian Journal of Earth and Environmental Sciences*. ISSN 18424090, 2014-01-01, 9, 2, pp. 159-170., WOS

[1.2] HOLUB, Marian - BALINTOVA, Magdalena. Using of zeolite for copper and zinc removal under acidic conditions. In *Pollack Periodica*. ISSN 17881994, 2014-08-01, 9, 2, pp. 141-149., SCOPUS

[1.2] CHEN, Xi Fei - WU, Yu Qiao - LI, Xin Qian - ZHONG, Chu Xian - HUANG, Guang Tuan. Purification process of wastewater containing low concentration of Co²⁺ by neutralized ferrite method. In *Huadong Ligong Daxue Xuebao/Journal of East China University of Science and Technology*. ISSN 10063080, 2013-12-01, 39, 6, pp. 689-693., SCOPUS

[1.2] MODABBERI, Soroush - ALIZADEGAN, Ali - MIRNEJAD, Hassan - ESMAEILZADEH, Esmat. Prediction of AMD generation potential in mining

waste piles, in the sarcheshmeh porphyry copper deposit, Iran. In *Environmental Monitoring and Assessment*. ISSN 01676369, 2013-07-01, 185, 11, pp. 9077-9087., SCOPUS

[1.2] XU, Dayong - CAI, Changfeng - XU, Jianping. Treatment of simulated acid mine drainage with fly ash-doped porous concrete. In *International Conference on Remote Sensing, Environment and Transportation Engineering, RSETE 2013*, 2013-01-01, pp. 525-528., SCOPUS

[3] FREEMAN, N. - THABO, F. - THABANI, D. Thermally activated attapulgite as an adsorbent for heavy metals. In: *3rd Inter. Confer. ICMSCE 2013*, Bangkok, p. 16-21

[3.1] HOLUB, M. Potenciál prírodných materiálov pre odstránenie ťažkých kovov z kyslých banských vôd - sorpcia. In *Juniorstav 2014: 16. odborná konferencia doktorského štúdia s mezinárodnou účasťou: zborník anotácií*. 30.1.2014, Brno - Brno: VUT, 2014, 1-7.

ADCA119 LUPTÁKOVÁ, Alena - KUŠNIEROVÁ, Mária. Bioremediation of acid mine drainage by SRB. In *Hydrometallurgy*, 2005, vol. 77, n. 1-2, s. 97-102. (1.088 - IF2004). (2005 - Current Contents). ISSN 0304-386X.

Ohlasy:

[1.1] ASHRAF, M.A. - MAAH, M.J. - YUSOFF, I. Morphology, geology and water quality assessment of former tin mining catchment. In *The Scientific World Journal* Vol. 2012, (2012), Article number 369206, WOS

[1.1] BAI, H. - KANG, Y. - QUAN, H.G. - HAN, Y. - SUN, J. - FENG, Y. Bioremediation of copper-containing wastewater by sulfate reducing bacteria coupled with iron. In *Journal of Environmental Management*, Vol. 129 (2013), p. 350-356, WOS

[1.1] BAI, H. - KANG, Y. - QUAN, H.E. - HAN, Y. - SUN, J. - FENG, Y. Treatment of acid mine drainage by sulfate reducing bacteria with iron in bench scale runs. In *Bioresource Technology*, Vol. 128 (2013), p. 818-822, WOS

[1.1] BALINTOVA, M. - PETRILAKOVA, A. - SINGOVSKA, E. Study of metals distribution between water and sediment in the Smolnik Creek (Slovakia) contaminated by acid mine drainage. In *Chemical Engineering Transactions* Vol. 28 (2012), 73-78, WOS

[1.1] BALINTOVA, M. - PETRILAKOVA, A. - SINGOVSKA, E. Study of metal ion sorption from acidic solutions. In *Theoretical Foundations of Chemical Engineering*, Vol. 46 (2012) Issue 6, 727-731, WOS

[1.1] BALINTOVA, M. - SINGOVSKA, E. Acid mine drainage as environmental risk for surface water. In *SGEM 2011*, Vol. 3. Sofia: Bulgarian Academy of Sciences, 2011, 175-182, WOS

[1.1] CAO, J.Y. - LI, Y.Y. - ZHANG, G.J. - YANG, C. - CAO, X.Y. Effect of Fe(III) on the biotreatment of bioleaching solutions using sulfate-reducing bacteria. In: *International Journal of Mineral Processing*, Vol. 125 (2013), p. 27-33, WOS

[1.1] CIBATI, A. - CHENG, K.Y. - MORRIS, C. - GINIGE, M.P. - SAHINKAYA, E. - PAGNANELLI, F. - KAKSONEN, A.H. Selective precipitation of metals from synthetic spent refinery catalyst leach liquor with biogenic H₂S produced in a lactate-fed anaerobic baffled reactor. In *Hydrometallurgy*, Vol. 139 (2013), p. 154-161, WOS

[1.1] FAN, W. - JIA, Y. - LI, X. - JIANG, W. - LU, L. Phytoavailability and geospeciation of cadmium in contaminated soil remediated by *Rhodobacter*

- sphaeroides. In *Chemosphere*, Vol. 88 (2012), Issue 6, 751-756, WOS
- [1.1] FOJT, L. - VETTERL, V. Electrochemical Evaluation of Extremely-Low Frequency Magnetic Field Effects on Sulphate-Reducing Bacteria. In *Folia Biologica*, Vol. 58 (2012), Issue 1, 44-48, WOS
- [1.1] CHEN, M. - ZHU, Y.S. - XIONG, L.Y. - ZHAO, Y.H. Analysis of acid mine drainage production condition and development prospect of source control technology. In *PROCEEDINGS OF THE IEEE International Conference on Electronics, Communications and Control (ICECC)*, Ningbo, Peoples R China Date: SEP 09-11, 2011, 1882-1885., WOS
- [1.1] CHEN, M. - ZHU, Y.S. - XIONG, L.Y. - ZHAO, Y.H.: Analysis of acid mine drainage production condition and development prospect of source control technology. In *Proceedings of the IEEE International Conference on Electronics, Communications and Control (ICECC)*, Ningbo, Peoples R China Date: SEP 09-11, 2011, 1882-1885, WOS
- [1.1] CHOUDHARY, R.P. - SHEORAN, A.S. Comparative study of cellulose waste versus organic waste as substrate in a sulfate reducing bioreactor. In: *BIORESOURCETECHNOLOGY*. 2011, vol. 102, no. 6, p. 4319-4324., WOS
- [1.1] CHOUDHARY, R.P. - SHEORAN, A.S.: Comparative study of cellulose waste versus organic waste as substrate in a sulfate reducing bioreactor. In: *Bioresource Technology*, Vol. 102 (2011), Issue 6, 4319-4324, WOS
- [1.1] KOSIŃSKA, K. - MIŚKIEWICZ, T. Precipitation of heavy metals from industrial wastewater by *Desulfovibrio desulfuricans*. In *Environment Protection Engineering*, Vol. 38 (2012), Issue 2, 51-60., WOS
- [1.1] LIU, X.Y. - ZOU, G. - WANG, X.Q. - ZOU, L.C. - WEN, J.K. - RUAN, R.M. - WANG, D.Z. A novel low pH sulfidogenic bioreactor using activated sludge as carbon source to treat acid mine drainage (AMD) and recovery metal sulfides: Pilot scale study. In *Minerals Engineering*, Vol. 48 (2013), Special Issue, p. 51-55, WOS
- [1.1] LIU, Y. - WU, J. - SHI, M. - YANG, F. - WANG, B. FeS colloid particle formation and impact on union station. In *Advanced Materials Research*, Vol. 518-523 (2012), 1699-1703, WOS
- [1.1] LU, J. - WU, J. - CHEN, T. - WILSON, P.C. - QIAN, J. - HAO, X. - LIU, C. - SU, Y. - JIN, X. X. Valuable metal recovery during the bioremediation of acidic mine drainage using sulfate reducing straw bioremediation system. In *Water, Air and Soil Pollution*, Vol. 223, (2012) Issue 6, 3049-3055, WOS
- [1.1] MASA, B. - PULISOVA, P. - BEZDICKA, P. - MICHALKOVA, E. - SUBRT, J. Ochreprecipitates and acid mine drainage in a mine environment. In *Ceramics-Silikaty*, Vol. 556 (2012), Issue 1, 9-14, WOS
- [1.1] PETRILAKOVA, A. - BALINTOVA, M. Utilization of Sorbents for Heavy Metals Removal from Acid Mine Drainage. In *PRES 2011: 14th International Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction*, Pts 1 and 2 Book Series: *Chemical Engineering Transactions*, Vol. 25 (2011), 339-344, WOS
- [1.1] REIS, F.D. - SILVA, A.M. - CUNHA, E.C. - LEAO, V.A. Application of sodium- and biogenic sulfide to the precipitation of nickel in a continuous reactor. In *Separation and Purification Technology*, Vol. 120 (2013), p. 346-353., WOS
- [1.1] SÁEZ-NAVARRETE, C. - RODRÍGUEZ-CÓRDOVA, L. - BARAZA,

- X. - GELMI, C. -HERRERA, L. Hydrogen kinetics limitation of an autotrophic sulphate reduction reactor. In DYNA (Colombia), Vol. 79 (2012) Issue 172, 126-132, WOS
- [1.1] SHEORAN, V. - CHAUDHARY, R. - THOLIA, N.K. Treatment of Industrial Wastewater by Organic Wastes. In Journal of Scientific & Industrial Research, Vol. 72 (2013), Issue 4, p. 255-260, WOS
- [1.1] SINGOVSKA E. - BALINTOVA M. Metal pollution assessment in sediments of the Smolnik creek, Slovakia. In Pollac Periodica, vol. 9 (2014), iss. 1, p. 117-125., WOS
- [1.1] SINGOVSKA, E. - BALINTOVA, M. - JUNAKOVA, N. Evaluation of surface water pollution in the Smolnik creek. In Proc. 13th International Multidisciplinary Scientific Geoconference, SGEM 2013; Albena; Bulgaria; 16 - 22 June 2013, Vol. 1 (2013), p. 445-450, WOS
- [1.1] ZHANG, C. - SHEN, Y.M. - ZHANG, X.B. - WANG, T.G. Domesticated cultivation of alkali-tolerant sulfate-reducing bacteria using hydrogen and carbon dioxide as energy and carbon sources. In: BIOCATALYSIS AND BIOTRANSFORMATION. 2011, vol. 29, no. 4, p. 151-154., WOS
- [1.2] PETRILÁKOVÁ, A. - BALINTOVÁ, M. Evaluation of Sorbents efficiency on heavy metals removal from acid mine drainage. In Pollack Periodica 6, 2011, (2), pp. 139-146, SCOPUS
- [1.2] ZHANG, N. - CHEN, T.H. - ZHOU, Y.F. - LI, S.J. - JIN, J. - WANG, Y.M. Experimental study on acid mine drainage treatment using mine tailings of Xiangsi Valley, Tongling, China. In Huanjing Kexue/Environmental Science, Vol. 33 (2012), Issue 4, 1272-1277, SCOPUS
- [3.1] SINGOVSKÁ, E. - BALINTOVÁ, M. Evaluation quality of sediments for aquatic pollution control in Slovakia. In International Scientific Conference "People, Buildings and Environment" (PBE2014) 15-17 October, 2014, Kroměříž, Czech Republic, 623-629

ADCA120 MACÁŠEK, F. - KUČÁKOVÁ, J. - RAJEC, P. - KOPUNEC, R. - JAKABSKÝ, Štefan - LOVÁS, Michal - HREDZÁK, Slavomír. The Sered' Leached Nickel Ores Residues - A Magnetic Sorbent for Fission Radionuclides and Lead Contaminants of Solids. In *Chemical Papers*, 20, vol., no., p. ISSN 0366-6352.

Ohlasy:

- [1.1] GALAMBOS, M. - SUCHANEK, P. - ROSSKOPFOVA, O. Sorption of anthropogenic radionuclides on natural and synthetic inorganic sorbents. In Journal of Radioanalytical and Nuclear Chemistry, Vol. 293 (2012), Issue 2, 613-633, WOS

ADCA121 MARTYNCZUK, Julia - LIANG, Fangyi - ARNOLD, Mirko - ŠEPELÁK, Vladimír - FELDHOFF, Armin. Aluminium-Doped Perovskites As High-Performance Oxygen Permeation Materials. In *Chemistry of Materials*, 2009, vol. 21, no., p. 1586-1594. (5.046 - IF2008). (2009 - Current Contents). ISSN 0897-4756.

Ohlasy:

- [1.1] DING, Yanzhi - CHEN, Yonghong - LU, Xiaoyong - LIN, Bin. Preparation and characterization of Ba_{0.5}Sr_{0.5}Fe_{0.9}Ni_{0.1}O_{3-δ}-Sm_{0.2}Ce_{0.8}O_{1.9} composite cathode for proton-conducting solid oxide fuel cells. INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, JUN 2012, vol. 37, no. 12, p.

9830-9835., WOS

[1.1] DONG, Xueliang - JIN, Wanqin. Mixed conducting ceramic membranes for high efficiency power generation with CO₂ capture. CURRENT OPINION IN CHEMICAL ENGINEERING. ISSN 2211-3398, MAY 2012, vol. 1, no. 2, p. 163-170., WOS

[1.1] GAN, Yun - XIE, Kui. Perovskite-type Ba_{0.5}Sr_{0.5}Al_{0.1}Fe_{0.9}O_{3-δ} as Intermediate-Temperature Solid Oxide Fuel Cell Cathode. CHINESE JOURNAL OF CHEMICAL PHYSICS. ISSN 1674-0068, OCT 2012, vol. 25, no. 5, p. 605-608., WOS

[1.1] GEFFROY, P-M - FOULETIER, J. - RICHET, N. - CHARTIER, T. Rational selection of MIEC materials in energy production processes. CHEMICAL ENGINEERING SCIENCE. ISSN 0009-2509, JAN 14 2013, vol. 87, p. 408-433., WOS

[1.1] HAWORTH, P. - SMART, S. - GLASSCOCK, J. - DINIZ DA COSTA, J.C. Yttrium doped BSCF membranes for oxygen separation. In Separation and Purification Technology 81 (2011), 88, WOS

[1.1] CHEN, Ting - ZHAO, Hailei - XIE, Zhixiang - WANG, Jie - LU, Yao - XU, Nansheng. Ce_{0.8}Sm_{0.2}O_{2-δ}-PrBaCo₂O_{5+δ} dual-phase membrane: Novel preparation and improved oxygen permeability. JOURNAL OF POWER SOURCES. ISSN 0378-7753, FEB 1 2013, vol. 223, p. 289-292., WOS

[1.1] CHEN, Ting - ZHAO, Hailei - XIE, Zhixiang - XU JINGCAN - XU, Nansheng - LI FUSHEN. Dense Dual-Phase Oxygen Permeation Membranes. PROGRESS IN CHEMISTRY. ISSN 1005-281X, JAN 24 2012, vol. 24, no. 1, p. 163-172., WOS

[1.1] JIANG, Taizhi - WANG, Zhenhua - REN, Baiyu - QIAO, Jinshuo - SUN, Wang - SUN, Kening. Compositionally continuously graded cathode layers of (Ba_{0.5}Sr_{0.5})(Fe_{0.9}Al_{0.09})O_{3-δ}-Gd_{0.1}Ce_{0.9}O₂ by wet powder spraying technique for solid oxide fuel cells. JOURNAL OF POWER SOURCES. ISSN 0378-7753, FEB 1 2014, vol. 247, p. 858-864., WOS

[1.1] LOU, Zhongliang - QIAO, Jinshuo - YAN, Yiming - PENG, Jun - WANG, Zhenhua - JIANG, Taizhi - SUN, Kening. Synthesis and characterization of aluminum-doped perovskites as cathode materials for intermediate temperature solid oxide fuel cells. INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, AUG 2012, vol. 37, no. 15, p. 11345-11350., WOS

[1.1] MUELLER, Philipp - STOERMER, Heike - MEFFERT, Matthias - DIETERLE, Levin - NIEDRIG, Christian - WAGNER, Stefan F. - IVERS-TIFFEE, Ellen - GERTHSEN, Dagmar. Secondary Phase Formation in Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-δ} Studied by Electron Microscopy. CHEMISTRY OF MATERIALS. ISSN 0897-4756, FEB 26 2013, vol. 25, no. 4, p. 564-573., WOS

[1.1] NIU, Y. - ZHOU, W. - SUNARSO, J. - LIANG, F. - ZHU, Z. - SHAO, Z. A single-step synthesized cobalt-free barium ferrites-based composite cathode for intermediate temperature solid oxide fuel cells. In Electrochemistry Communications 13 (2011), 1340, WOS

[1.1] WANG, Yanjie - LIAO, Qing - ZHOU, Lingyi - WANG, Haihui. Oxygen permeability and structure stability of a novel cobalt-free perovskite Gd_{0.33}Ba_{0.67}FeO_{3-δ}. JOURNAL OF MEMBRANE SCIENCE. ISSN 0376-7388, MAY 1 2014, vol. 457, p. 82-87., WOS

[1.1] WANG, Zhigang - KATHIRASER, Yasothea - KAWI, Sibudjing. High performance oxygen permeable membranes with Nb-doped

BaBi_{0.05}Co_{0.95}O_{3-δ} perovskite oxides. JOURNAL OF MEMBRANE SCIENCE. ISSN 0376-7388, MAR 15 2013, vol. 431, p. 180-186., WOS

[1.1] WEI, Yanying - YANG, Weishen - CARO, Juergen - WANG, Haihui. Dense ceramic oxygen permeable membranes and catalytic membrane reactors. CHEMICAL ENGINEERING JOURNAL. ISSN 1385-8947, MAR 15 2013, vol. 220, p. 185-203., WOS

[1.1] XING, Y. - BAUMANN, S. - SEBOLD, D. - RÜTTINGER, M. - VENSKUTONIS, A. - MEULENBERG, W.A. - STÖVER, D. Chemical compatibility investigation of thin-film oxygen transport membranes on metallic substrates. In Journal of the American Ceramic Society 94 (2011), 861., WOS

[1.1] ZHU, Xuefeng - LI, Mingrun - LIU, Huanying - ZHANG, Tianyu - CONG, You - YANG, Weishen. Design and experimental investigation of oxide ceramic dual-phase membranes. JOURNAL OF MEMBRANE SCIENCE. ISSN 0376-7388, MAR 15 2012, vol. 394, p. 120-130., WOS

[1.1] ZHU, Y. - WANG, X. - WANG, A. - WU, G. - WANG, J. - ZHANG, T. - Identification of the chemical state of Fe in barium hexaaluminate using Rietveld refinement and ⁵⁷Fe Mössbauer spectroscopy. In JOURNAL OF CATALYSIS. 2011, vol. 283, p. 149, WOS

ADCA122 MEDVECKÝ, Ľubomír - SOPČÁK, Tibor - ĎURIŠIN, Juraj - BRIANČIN, Jaroslav. Nanohydroxyapatite prepared from non-toxic organic Ca²⁺ compounds by precipitation in aqueous solution. In *Materials Letters*, 2011, vol. 65, p. 3566-3569. (2.117 - IF2010). (2011 - Current Contents). ISSN 0167-577X.

Ohlasy:

[1.1] DOROZHKIN, Sergey V. - LIU, Q - WANG, H. Nanodimensional and Nanocrystalline Calcium Orthophosphates. In TISSUE REGENERATION: WHERE NANO-STRUCTURE MEETS BIOLOGY. ISSN 2251-3965, 2014, vol. 2, no., pp. 219., WOS

[1.1] XU LIJUAN - JIANG LIUYUN - JIANG LIXIN - XIONG CHENG DONG. Synthesis of Mg-substituted hydroxyapatite nanopowders: Effect of two different magnesium sources. In MATERIALS LETTERS. ISSN 0167-577X, 2013, vol. 106, no., pp. 246., WOS

[1.2] AO, D.-t. - WANG, Y.-y. - WANG, P. - QU, Y.-l. - MAN, Y. - CHEN, Z.-q. Osteoinductivity of chitosan/nano-hydroxyapatite bioelectret barrier membranes. In Chinese Journal of Tissue Engineering Research, 2012, vol.16, no.29, 5321-5326., SCOPUS

[1.2] DOROZHKIN, S.V. Biological and Medical Significance of Nanodimensional and Nanocrystalline Calcium Orthophosphates. In Biomedical Materials and Diagnostic Devices, Book (2012), 19-99, ISBN: 978-111803014-, SCOPUS

ADCA123 MEDVECKÝ, Ľubomír - ŠTULAJTEROVÁ, Radoslava - BRIANČIN, Jaroslav. Study of controlled tetracycline release from porous calcium phosphate/polyhydroxybutyrate composites. In *Chemical papers*, 2007, vol. 61, no. 6, p. 477-484. (0.360 - IF2006). (2007 - Current Contents). ISSN 0366-6352.

Ohlasy:

[1.1] BARDAJEE, G.R. - POURJAVADI, A. - SOLEYMAN, R. Novel nano-porous hydrogel as a carrier matrix for oral delivery of tetracycline hydrochloride. In Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, vol.392, no.1, 16-24., WOS

- [1.1] LI, Jiaojiao - KAPLAN, David L. - ZREIQAT, Hala H. Scaffold-based regeneration of skeletal tissues to meet clinical challenges. In *Journal of Materials Chemistry B*. ISSN 20507518, 2014-11-14, 2, 42, pp. 7272-7306., WOS
- [1.1] MENG, D. - FRANCIS, L. - THOMPSON, I. D. - MIERKE, C. - HUEBNER, H. - AMTMANN, A. - ROY, I. - BOCCACCINI, A. R. Tetracycline-encapsulated P(3HB) microsphere-coated 45S5 Bioglass(A (R))-based scaffolds for bone tissue engineering. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE*. ISSN 0957-4530, 2013, vol. 24, no. 12, pp. 2809., WOS
- [1.1] MOURINO, Viviana - CATTALINI, Juan P. - ROETHER, Judith A. - DUBEY, Prachi - ROY, Ipsita - BOCCACCINI, Aldo R. Composite polymer-bioceramic scaffolds with drug delivery capability for bone tissue engineering. In *EXPERT OPINION ON DRUG DELIVERY*. ISSN 1742-5247, 2013, vol. 10, no. 10, pp. 1353., WOS
- [1.2] VOLOVA, Tatiana G. - SHISHATSKAYA, Ekaterina Igorevna - SINSKEY, Anthony John. Degradable polymers: Production, properties, applications. In *Degradable Polymers: Production, Properties, Applications*, 2013-03-01, pp. 1-380., SCOPUS

ADCA124 MENZEL, M. - ŠEPELÁK, Vladimír - BECKER, Klaus Dieter. Mechanochemical reduction of nickel ferrite. In *Solid State Ionics : diffusion and reactions*, 2001, vol.141-142, p. 663-669. ISSN 0167-2738.

Ohlasy:

- [1.1] BALAZ, Peter - ACHIMOVICOVA, Marcela - BALAZ, Matej - BILLIK, Peter - CHERKEZOVA-ZHELEVA, Zara - MANUEL CRIADO, Jose - DELOGU, Francesco - DUTKOVA, Erika - GAFFET, Eric - JOSE GOTOR, Francisco - KUMAR, Rakesh - MITOV, Ivan - ROJAC, Tadej - SENNA, Mamoru - STRELETSKII, Andrey - WIECZOREK-CIUROWA, Krystyna. Hallmarks of mechanochemistry: from nanoparticles to technology. In *CHEMICAL SOCIETY REVIEWS*. ISSN 0306-0012, 2013, vol. 42, no. 18, pp. 7571., WOS
- [1.1] CEDENO-MATTEI, Yarilyn - PERALES-PEREZ, Oscar - UWAKWEH, Oswald N. C. Effect of high-energy ball milling time on structural and magnetic properties of nanocrystalline cobalt ferrite powders. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2013, vol. 341, no., pp. 17., WOS
- [1.1] DOMINGUES, E. M. - TSIPIIS, E. V. - YAREMCHENKO, A. A. - FIGUEIREDO, F. M. - WAERENBORGH, J. C. - KOVALEVSKY, A. V. - FRADE, J. R. Redox stability and electrical conductivity of Fe_{2.3}Mg_{0.7}O₄ +/-delta spinel prepared by mechanochemical activation. In *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*. ISSN 0955-2219, 2013, vol. 33, no. 7, pp. 1307., WOS
- [1.1] GAIDAN, Ibrahim. The development of FeMn₂O₄ Gas Sensors at Room Temperature. In *MATERIALS AND APPLICATIONS FOR SENSORS AND TRANSDUCERS III*. ISSN 1013-9826, 2014, vol. 605, no., pp. 211., WOS
- [1.1] HOSSEINZADEH, L. - BAEDI, J. - ZAK, A. Khorsand. X-ray peak broadening analysis of Fe₅₀Ni₅₀ nanocrystalline alloys prepared under different milling times and BPR using size strain plot (SSP) method. In *BULLETIN OF MATERIALS SCIENCE*. ISSN 0250-4707, 2014, vol. 37, no. 5, pp. 1147., WOS

- [1.1] KALSKA-SZOSTKO, B. - KROPIEWNICKA, K. The influence of the transition metal substitution on chemically prepared ferrite nanoparticles Mossbauer studies. In CURRENT APPLIED PHYSICS. ISSN 1567-1739, 2012, vol. 12, no. 3, pp. 896., WOS
- [1.1] KHOT, V.M. - SALUNKHE, A.B. - THORAT, N.D. - NINGTHOUJAM, R.S. -PAWAR, S.H. Induction heating studies of dextran coated MgFe₂O₄ nanoparticles for magnetic hyperthermia. In Dalton Transactions 42 (4), (2013) p. 1249-1258., WOS
- [1.1] LAZAREVIC, Z. Z. - JOVALEKIC, C. - RECNIK, A. - IVANOVSKI, V. N. - MILUTINOVIC, A. - ROMCEVIC, M. - PAVLOVIC, M. B. - CEKIC, B. - ROMCEVIC, N. Z. Preparation and characterization of spinel nickel ferrite obtained by the soft mechanochemically assisted synthesis. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2013, vol. 48, no. 2, pp. 404., WOS
- [1.1] LAZAREVIC, Z. Z. - JOVALEKIC, C. - MILUTINOVIC, A. - SEKULIC, D. - IVANOVSKI, V. N. - RECNIK, A. - CEKIC, B. - ROMCEVIC, N. Z. Nanodimensional spinel NiFe₂O₄ and ZnFe₂O₄ ferrites prepared by soft mechanochemical synthesis. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2013, vol. 113, no. 18, pp., WOS
- [1.1] MARINCA, Traian Florin - CHICINAS, Ionel - PRICA, Virgiliu-Calin - POPA, Florin. Nickel Ferrite Powder Obtained by High Energy Reactive Ball Milling. In RESEARCHES IN POWDER METALLURGY. ISSN 0255-5476, 2011, vol. 672, no., pp. 145., WOS
- [1.1] MARINCA, Traian F. - CHICINAS, Ionel - ISNARD, Olivier - POPESCU, Violeta. Nanocrystalline/Nanosized Ni¹-gamma Fe₂+gamma O₄ Ferrite Obtained by Contamination with Fe During Milling of NiOFe₂O₃ Mixture. Structural and Magnetic Characterization. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2013, vol. 96, no. 2, pp. 469., WOS
- [1.1] MARINCA, T.F. - NEAMȚU, B.V. - POPA, F. - TARȚA, V.F. - PASCUTA, P. - TAKACS, A.F. - CHICINAȘ, I. Synthesis and characterization of the NiFe₂O₄/Ni₃Fe nanocomposite powder and compacts obtained by mechanical milling and spark plasma sintering. In Applied Surface Science 285 (PART A), (2013), p. 2-9., WOS
- [1.1] ZHANG, Chenguang - LI, Jiajun - SHI, Chunsheng - LIU, Enzo - DU, Xiwen - FENG, Wei - ZHAO, Naiqin. The efficient synthesis of carbon nano-onions using chemical vapor deposition on an unsupported Ni-Fe alloy catalyst. In CARBON. ISSN 0008-6223, 2011, vol. 49, no. 4, pp. 1151., WOS

ADCA125 MOCKOVČIAKOVÁ, Annamária - DANKOVÁ, Zuzana - ŠKVARLA, Jiří. Enhancement of the bentonite sorption properties. In *Journal of hazardous materials*, 2010, vol.180, no.1-3, p. 274-281. (4.144 - IF2009). (2010 - Current Contents). ISSN 0304-3894.

Ohlasy:

- [1.1] ADAMCOVA, R. - SURABA, V. - KRAJNAK, A. - ROSSKOPFOVA, O. - GALAMBOS, M. First shrinkage parameters of Slovak bentonites considered for engineered barriers in the deep geological repository of high-level radioactive waste and spent nuclear fuel. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2014, vol. 302, no. 1, pp. 737., WOS
- [1.1] GALAMBOS, Michal - ROSSKOPFOVA, Oľga -

- KUFCAKOVA, Jana - RAJEC, Pavol. Utilization of Slovak bentonites in deposition of high-level radioactive waste and spent nuclear fuel. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2011, vol. 288, no. 3, pp. 765., WOS
- [1.1] GALAMBOS, M. - DANO, M. - ROSSKOPFOVA, O. - SERSEN, F. - KUFCAKOVA, J. - ADAMCOVA, R. - RAJEC, P. Effect of gamma-irradiation on adsorption properties of Slovak bentonites. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2012, vol. 292, no. 2, pp. 481., WOS
- [1.1] GALAMBOS, M. - MAGULA, M. - DANO, M. - OSACKY, M. - ROSSKOPFOVA, O. - RAJEC, P. Comparative study of cesium adsorption on dioctahedral and trioctahedral smectites. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2012, vol. 293, no. 3, pp. 829., WOS
- [1.1] GALAMBOS, M. - SUCHANEK, P. - ROSSKOPFOVA, O. Sorption of anthropogenic radionuclides on natural and synthetic inorganic sorbents. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2012, vol. 293, no. 2, pp. 613., WOS
- [1.1] GALAMBOŠ, M. - KRAJŇÁK, A. - ROSSKOPFOVÁ, O. - VIGLAŠOVÁ, E. - ADAMCOVÁ, R. - RAJEC, P. Adsorption equilibrium and kinetic studies of strontium on Mg-bentonite, Fe-bentonite and illite/smectite. In Journal of Radioanalytical and Nuclear Chemistry. ISSN 02365731, 2013-11-01, 298, 2, pp. 1031-1040., WOS
- [1.1] GALAMBOŠ, M. - OSACKÝ, M. - ROSSKOPFOVÁ, O. - KRAJŇÁK, A. - RAJEC, P. Comparative study of strontium adsorption on dioctahedral and trioctahedral smectites. In Journal of Radioanalytical and Nuclear Chemistry. ISSN 02365731, 2012-09-01, 293, 3, pp. 889-897., WOS
- [1.1] GUPTA, S.S. - BHATTACHARYYA, K.G. Adsorption of heavy metals on kaolinite and montmorillonite: A review. In Physical Chemistry Chemical Physics, Vol. 14 (2012), Issue 19, 6698-6723, WOS
- [1.1] KATSOU, Evina - MALAMIS, Simos - TZANOUDAKI, Myrto - HARALAMBOUS, Katherine J. - LOIZIDOU, Maria. Regeneration of natural zeolite polluted by lead and zinc in wastewater treatment systems. In JOURNAL OF HAZARDOUS MATERIALS. ISSN 0304-3894, 2011, vol. 189, no. 3, pp. 773., WOS
- [1.1] KOSMULSKI, Marek. IEP as a parameter characterizing the pH-dependent surface charging of materials other than metal oxides. In ADVANCES IN COLLOID AND INTERFACE SCIENCE. ISSN 0001-8686, 2012, vol. 171, no., pp. 77., WOS
- [1.1] KOSMULSKI, Marek. The pH-dependent surface charging and points of zero charge. V. Update. In Journal of Colloid and Interface Science. ISSN 00219797, 2011-01-01, 353, 1, pp. 1-15., WOS
- [1.1] MALAMIS, S. - KATSOU, E. - KOSANOVIC, T. - HARALAMBOUS, K. J. Combined Adsorption and Ultrafiltration Processes Employed for the Removal of Pollutants from Metal Plating Wastewater. In Separation Science and Technology (Philadelphia). ISSN 01496395, 2012-04-01, 47, 7, pp. 983-996., WOS
- [1.1] MALAMIS, S. - KATSOU, E. A review on zinc and nickel adsorption on natural and modified zeolite, bentonite and vermiculite: Examination of process parameters, kinetics and isotherms. In Journal of Hazardous Materials.

ISSN 03043894, 2013-05-05, 252-253, pp. 428-461., WOS

[1.1] MOHAMMADI, Nourali - KHANI, Hadi - GUPTA, Vinod Kumar - AMERREH, Ehsanollah - AGARWAL, Shilpi. Adsorption process of methyl orange dye onto mesoporous carbon material-kinetic and thermodynamic studies. In JOURNAL OF COLLOID AND INTERFACE SCIENCE. ISSN 0021-9797, 2011, vol. 362, no. 2, pp. 457., WOS

[1.1] MUSSO, T. B. - PAROLO, M. E. - PETTINARI, G. - FRANCISCA, F. M. Cu(II) and Zn(II) adsorption capacity of three different clay liner materials. In Journal of Environmental Management. ISSN 03014797, 2014-12-15, 146, pp. 50-58., WOS

[1.1] MUSSO, T. B. - PAROLO, M. E. - PETTINARI, G. - FRANCISCA, E. M. Cu(II) and Zn(II) adsorption capacity of three different clay liner materials. In JOURNAL OF ENVIRONMENTAL MANAGEMENT. ISSN 0301-4797, DEC 15 2014, vol. 146, p. 50-58., WOS

[1.1] ROSSKOPFOVA, O. - GALAMBOS, M. - PIVARCIOVA, L. - CAPLOVICOVA, M. - RAJEC, P. Adsorption of nickel on synthetic hydroxyapatite from aqueous solutions. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2013, vol. 295, no. 1, pp. 459., WOS

[1.1] ROZUMOVA, Lucia - SEIDLEROVA, Jana - SAFARIK, Ivo - SAFARIKOVA, Mirka - GABOR, Roman. SORPTION OF PB ON MAGNETICALLY MODIFIED BIOLOGICAL MATERIALS. In NANOCON 2012, 4TH INTERNATIONAL CONFERENCE, 2012, vol., no., pp. 623., WOS

[1.1] SADEGHALVAD, Bahareh - KARIMI, Hossein Sh - HOSSEINZADEGAN, Hamed - AZADMEHR, Amir Reza. A comparative study on the removal of lead from industrial wastewater by adsorption onto raw and modified Iranian Bentonite (from Isfahan area). In Desalination and Water Treatment. ISSN 19443994, 2014-01-01, 52, 34-36, pp. 6440-6452., WOS

[1.1] SAFARIK, Ivo - HORSKA, Katerina - POSPISKOVA, Kristyna - MADEROVA, Zdenka - SAFARIKOVA, Mirka. Microwave Assisted Synthesis of Magnetically Responsive Composite Materials. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2013, vol. 49, no. 1, pp. 213., WOS

[1.1] SAFARIK, Ivo - HORSKA, Katerina - POSPISKOVA, Kristyna - SAFARIKOVA, Mirka. One-step preparation of magnetically responsive materials from non-magnetic powders. In Powder Technology. ISSN 00325910, 2012-10-01, 229, pp. 285-289., WOS

[1.1] SAFARIK, Ivo - POSPISKOVA, Kristyna - HORSKA, Katerina - SAFARIKOVA, Mirka. Potential of magnetically responsive (nano)biocomposites. In SOFT MATTER. ISSN 1744-683X, 2012, vol. 8, no. 20, pp. 5407., WOS

[1.1] SAFARIK, Ivo - POSPISKOVA, Kristyna - HORSKA, Katerina - MADEROVA, Zdenka - SAFARIKOVA, Mirka. Magnetically Responsive (Nano) Biocomposites. In INTRACELLULAR DELIVERY II: FUNDAMENTALS AND APPLICATIONS. ISSN 1559-7083, 2014, vol. 7, no., pp. 17., WOS

[1.1] SEN GUPTA, Susmita - BHATTACHARYYA, Krishna G. Adsorption of heavy metals on kaolinite and montmorillonite: a review. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2012, vol. 14, no. 19, pp. 6698., WOS

[1.1] SEN GUPTA, Susmita - BHATTACHARYYA, Krishna G. Adsorption

of metal ions by clays and inorganic solids. In RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 54, pp. 28537., WOS

[1.1] WANG, Guanghua - LU, Yunzhou - LI, Wenbing - LIU, Xueqin - SUN, Mingdong. Synthesis and Catalytic Performance of Al-pillared Clays Supported Fe₃O₄ Nanoparticles. In FRONTIERS OF MATERIALS, CHEMICAL AND METALLURGICAL TECHNOLOGIES, PTS 1 AND 2. ISSN 1022-6680, 2012, vol. 581-582, no., pp. 292., WOS

[1.1] ZHOU, Yanmei - HU, Xiaoyi - JIN, Qiang - WANG, Xinhai - MA, Tongsen. Adsorption of Cd(II) from Aqueous Solutions by Cellulose Modified with Maleic Anhydride and Thiourea. In ADSORPTION SCIENCE & TECHNOLOGY. ISSN 0263-6174, 2013, vol. 31, no. 7, pp. 583., WOS

[1.2] MAYORDOMO, Natalia - ALONSO, Ursula - MISSANA, Tiziana - BENEDICTO, Ana - GARCÍA-GUTIÉRREZ, Miguel. Addition of Al₂O₃ nanoparticles to bentonite: Effects on surface charge and Cd sorption properties. In Materials Research Society Symposium Proceedings. ISSN 02729172, 2014-01-01, 1665, pp. 131-137., SCOPUS

[1.2] SAMARGHANDI, Mohammad Reza - AZIZI, Salah. Cadmium adsorption by activated carbon granules coated with iron nanoparticles from aqueous solution: Kinetics, isotherms and adsorption mechanism studies. In Journal of Mazandaran University of Medical Sciences. ISSN 17359279, 2014-01-01, 24, 119, pp. 109-121., SCOPUS

[3] JESENÁK, K. - GALAMBOŠ, M. - DAŇO, M. - KUREK, M. - ROSSKOPFOVÁ, O. Stanovenie hydraulických vlastností bentonitových hornín. In Bezpečnosť jadrovej energie 21(59), 2013 č. 11/12, p. 332-336

[3] KRAJŇÁK, A. - GALAMBOŠ, M. - ROSSKOPFOVÁ, O. - VIGLAŠOVÁ, E. - RAJEC, P. Slovak bentonites as engineering barriers in radioactive waste management. In Proceeding from the European Nuclear Conference, ENC 2012, Transactions and of Use, 9-12 December 2012, Manchester, United Kingdom, European Nuclear Society 2012, ISBN 978-92-95064-14-0, 128-132

[3] M'GHAFRI, H. - OUASSINI, A. - FJJI, A. Batch adsorption of some phenolic acids from aqueous solution by means of natural bentonite clay: Equilibrium and kinetic studies. In Journal of Environmental Solutions, Vol. 1 (2012), Issue 1, p. 6-15.

[3] ROZUMOVÁ, L. - SEIDLEROVÁ, J. - ŠAFAŘÍK, I. - ŠAFAŘÍKOVÁ, M. - GABOR, R. Sorption of Pb on magnetically modified biological materials. In Proceeding from NANOCON 2012, 23.-25. October 2012, Brno, Czech Republic.

[3] SCHÜTZ, Tomáš - STRAJŇÁK, Sergej. Uptake of dangerous elements from industrial wastewaters. In: CUPRUM, Vol. 68 (2013), no. 3, p. 5-16.

ADCA126 MOCKOVČIAKOVÁ, Annamária - ŠTYRIAKOVÁ, Iveta - ŠKVARLA, Jiří - KOZÁKOVÁ, Ivana. Charakterization of changes of low and high defect kaolinite after bioleaching. In *Applied Clay Science*, 2008, vol.39, no. 3-4, p. 202-207. (1.861 - IF2007). ISSN 0169-1317.

Ohlasy:

[1.1] MUSIAL, I. - CIBIS, E. - RYMOWICZ, W. Designing a process of kaolin bleaching in an oxalic acid enriched medium by *Aspergillus niger* cultivated on biodiesel-derived waste composed of glycerol and fatty acids. In

Applied Clay Science, Vol. 52 (2011), Issue 3, 277-284, WOS

[1.1] ZENG, X.X. - ZHOU, H.B. - HU, Y.H. - TANG, J.X. - JIANG, P. - LI, W. Study on the influence factors of desilication in bioleaching by *B. mucilaginosus*. In *Advanced Materials Research* 415-417 (2012), 1740-1743, VOS

[1.2] MAN, L.Y. - CAO, X.Y. - SUN, D.S. Effect of potassium-solubilizing bacteria-mineral contact mode on decomposition behavior of potassium-rich shale. In *Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals*, vol. 24 (2014), iss. 4, p.1099-1109, SCOPUS

[1.2] SUN, D. - ZHANG, X. - XIAO, G. Bioleaching of rich-potassium igneous rock by potassium-solubilizing culture and change of bacterial community structure during leaching process. In *Zhongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Central South University (Science and Technology)*, vol. 45 (2014), iss. 9, p. 2941-2951, SCOPUS

ADCA127 MOCKOVČIAKOVÁ, Annamária - MATIK, Marek - DANKOVÁ, Zuzana - HUDEC, Pavol - KMECOVÁ, Erika. Structural characteristics of modified natural zeolite. In *Journal of porous materials*, 2008, vol. 15, no.5, p. 559-564. ISSN 1380-2224.

Ohlasy:

[1.1] GALAMBOS, Michal - ROSSKOPFOVA, Olga - KUFCAKOVA, Jana - RAJEC, Pavol. Utilization of Slovak bentonites in deposition of high-level radioactive waste and spent nuclear fuel. In *JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY*. ISSN 0236-5731, 2011, vol. 288, no. 3, pp. 765., WOS

[1.1] CHOI, Jae-Woo - HONG, Seok-Won - KIM, Dong-Ju - LEE, Sang-Hyup. Investigation of phosphate removal using sulphate-coated zeolite for ion exchange. In *ENVIRONMENTAL TECHNOLOGY*. ISSN 0959-3330, 2012, vol. 33, no. 20, pp. 2329., WOS

[1.2] CAHYONO, Edy - MUCHALAL, M. - TRIYONO, T. - PRANOWO, Harno Dwi. Catalytic activities of Fe³⁺- and Zn²⁺-natural zeolite on the direct cyclisation-acetylation of (R)-(+)-citronellal. In *Bulletin of Chemical Reaction Engineering and Catalysis*. ISSN 19782993, 2014-01-01, 9, 2, pp. 128-135., SCOPUS

ADCA128 MULAK, W. - BALÁŽ, Peter - CHOJNACKA, M. Chemical and morphological changes of millerite by mechanical activation. In *International Journal of Mineral Processing*, 2002, vol. 66, p.233-240. ISSN 0301-7516.

Ohlasy:

[1.1] HASHEMZADEHFINI, Mohsen - FICERIOVA, Jana - ABKHOSHK, Emad - SHAHRAKI, Behrouz Karimi. Effect of mechanical activation on thiosulfate leaching of gold from complex sulfide concentrate. In *TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA*. ISSN 1003-6326, 2011, vol. 21, no. 12, pp. 2744., WOS

[1.1] VAN SCHALKWYK, R. F. - EKSTEEN, J. J. - AKDOGAN, G. Leaching of Ni-Cu-Fe-S converter matte at varying iron endpoints; mineralogical changes and behaviour of Ir, Rh and Ru. In *HYDROMETALLURGY*. ISSN 0304-386X, 2013, vol. 136, no., pp. 36., WOS

ADCA129 OBUT, Abdullah - BALÁŽ, Peter - GIRGIN, Ismail. Direct mechanochemical conversion of celestite to SrCO₃. In *Minerals engineering*, 2006, vol. 19, no.11, p. 1185-1190. ISSN 0892-6875 (Print).

Ohlasy:

[1.1] ZORAGA, Mert - KAHRUMAN, Cem. Kinetics of conversion of celestite to strontium carbonate in solutions containing carbonate, bicarbonate and ammonium ions, and dissolved ammonia. In *Journal of the Serbian Chemical Society*. ISSN 03525139, 2014-01-01, 79, 3, pp. 345-359., WOS

[1.2] BINGÖL, Deniz - AYDOĞAN, Salih - BOZBAŞ, Seda Karayünlü. Optimization of the wet mechanochemical process conditions of SrSO₄ to SrCO₃ and (NH₄)₂SO₄ by Using Response Surface methodology. In *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*. ISSN 10735615, 2012-10-01, 43, 5, pp. 1214-1219., SCOPUS

[1.2] BINGÖL, Deniz - AYDOĞAN, Salih - BOZBAŞ, Seda Karayünlü. Production of SrCO₃ and (NH₄)₂SO₄ by the dry mechanochemical processing of celestite. In *Journal of Industrial and Engineering Chemistry*. ISSN 1226086X, 2012-03-25, 18, 2, pp. 834-838., SCOPUS

[1.2] DAVAR, Fatemeh - SALAVATI-NIASARI, Masoud - BASKOUTAS, Sotirios. Temperature controlled synthesis of SrCO₃ nanorods via a facile solid-state decomposition route starting from a novel inorganic precursor. In *Applied Surface Science*. ISSN 01694332, 2011-02-15, 257, 9, pp. 3872-3877., SCOPUS

ADCA130 ORIŇÁK, Andrej - ARLINGHAUS, Heinrich F. - VERING, Guido - JUSTÍNOVÁ, M. - ORIŇÁKOVÁ, Renáta - TURČÁNIOVÁ, Ľudmila - HALAMA, M. New interfaces for coupling TLC with TOF SIMS. In *Journal of Planar Chromatography*, 2003, vol. 16, p. 23-27. ISSN 0933-4173.

Ohlasy:

[1.1] FREYE, C.E. - CRANE, N.A. - KIRCHNER, T.B. - SEPANIAK, M.J. Surface Enhanced Raman Scattering Imaging of Developed Thin-Layer Chromatography Plates. In *Analytical Chemistry*, Vol. 85 (2013), Issue 8. p. 3991-3998, WOS

ADCA131 PLACHKÝ, Tomáš - LENČEŠ, Zoltán - HRIC, Ľ. - ŠAJGALÍK, Pavol - BALÁŽ, Peter - RIEDEL, Ralf - KLEEBE, Hans-Joachim. Processing and mechanical properties of Si₃N₄ composites employing polymer-derived SiAlOC as sintering aid. In *Journal of the European Ceramic Society*, 2010, vol. 30, no. 3, p. 759-767. (2.090 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.

Ohlasy:

[1.1] BERNARDO, E. - PARCIANELLO, G. - COLOMBO, R. - ADAIR, J. H. - BARNES, A. T. - HELLMANN, J. R. - JONES, B. H. - KRUISE, J. - SWAB, J. J. SiAlON ceramics from preceramic polymers and nano-sized fillers: Application in ceramic joining. In *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*. ISSN 0955-2219, 2012, vol. 32, no. 7, pp. 1329., WOS, SCO

[1.1] COLOMBO, P. - BERNARDO, E. - PARCIANELLO, G. Multifunctional advanced ceramics from preceramic polymers and nano-sized active fillers. In *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*. ISSN 0955-2219, 2013, vol. 33, no. 3, pp. 453., WOS, SCO

- [1.1] KIM, Youngseok - JONG, Hyunwoo - KIM, Deug Joong. Enhanced sintering of SiC using infiltration of preceramic polymer. In CERAMICS INTERNATIONAL, 2011, vol.37, no.7, 2957., WOS, SCO
- [1.1] LU, Biao - ZHANG, Yue. Hot pressed SiC ceramics employing polymer-derived SiBCN as sintering aid. In MATERIALS LETTERS. ISSN 0167-577X, 2014, vol. 137, no., pp. 483., WOS
- [1.1] PARCIANELLO, Giulio - BERNARDO, Enrico - COLOMBO, Paolo. Optimization of Phase Purity of α -Sialon Ceramics Produced from Silazanes and Nano-Sized Alumina. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2012, vol. 95, no. 7, pp. 2148., WOS, SCO
- [1.1] WANG, K. - ZHENG, X.H. - OHUCHI, F.S. - BORDIA, R.K. The conversion of by X-ray photoelectron spectroscopy. In Journal of the American Chemical Society, vol. 95 (2012), iss. 12, p. 3722-3725, WOS
- [1.1] WANG, Hao - CHEN, Xingbo - GAO, Bo - WANG, Jun - WANG, Yingde - CHEN, Shugang - GOU, Yanzi. Synthesis and characterization of a novel precursor-derived ZrC/ZrB₂ ultra-high-temperature ceramic composite. In APPLIED ORGANOMETALLIC CHEMISTRY. ISSN 0268-2605, 2013, vol. 27, no. 2, pp. 79., WOS, SCO
- [1.1] WANG, Kaishi - ZHENG, Xiaohao - OHUCHI, Fumio S. - BORDIA, Rajendra K. The Conversion of Perhydropolysilazane into SiON Films Characterized by X-Ray Photoelectron Spectroscopy. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2012, vol. 95, no. 12, pp. 3722., WOS, SCO

ADCA132 REHÁKOVÁ, Mária - FORTUNOVÁ, Ľubica - BASTL, Zdeněk - NAGYOVÁ, Stanislava - DOLINSKÁ, Silvia - JORÍK, Vladimír - JÓNA, Eugen. Removal of pyridine from liquid and gas phase by copper forms of natural and synthetic zeolites. In *Journal of hazardous materials*, 2011, vol. 186, no. 1, p. 699-706. (3.723 - IF2010). (2011 - Current Contents). ISSN 0304-3894.

Ohlasy:

- [1.1] ANASTOPOULOS, I. - IOANNOU, D. - KALLIANOU, Ch. Removal of heavy metals from aqueous solutions through natural Greek clay. Selectivity order and isotherms studies. In AGROCHIMICA. ISSN 0002-1857, 2012, vol. 56, no. 2, pp. 98., WOS
- [1.1] MARGETA, K. - VOJNOVIC, B. - LOGAR, N. Zabukovec. Development of Natural Zeolites for Their Use in Water-Treatment Systems. In RECENT PATENTS ON NANOTECHNOLOGY. ISSN 1872-2105, JUN 2011, vol. 5, no. 2, p. 89-99., WOS
- [1.1] OZTURK, S. - KOSEOGLU, K. - ORBUKH, V. I. - EYVAZOVA, G. M. - MURADOV, A. H. - LEBEDEVA, N. N. - SALAMOV, B. G. Influence of density and water vapor content on the dielectric response of natural zeolites. In OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS. ISSN 1842-6573, 2014, vol. 8, no. 7-8, pp. 733., WOS
- [1.1] PENG, Wei - JIAO, Hongpu - SHI, Haochun - XU, Chunjian. The application of emulsion liquid membrane process and heat-induced demulsification for removal of pyridine from aqueous solutions. In DESALINATION. ISSN 0011-9164, 2012, vol. 286, no., pp. 372., WOS
- [1.1] SINGH, Nayan Ranjan - DAS, Paramita - RAY, Samit Kumar.

Recovery of pyridine from water by pervaporation using filled and crosslinked EPDM membranes. In JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY. ISSN 1226-086X, 2013, vol. 19, no. 6, pp. 2034., WOS

- ADCA133 ROJAS-CHÁVEZ, Hugo - REYES-CARMONA, Fidel - ACHIMOVÍČOVÁ, Marcela - DANEU, Nina - JARMILLO-VIGUERAS, David. PbSe nanocubes obtained by high-energy milling. In *Journal of Nanoparticle Research*, 2012, vol. 14, no. 6, p. 897-904. (3.287 - IF2011). (2012 - Current Contents). ISSN 1388-0764.

Ohlasy:

[1.1] KHASIMSAHEB, B. - NEELESHWAR, S. - AMIRTHAPANDIYAN, S. - PANIGRAHI, B. K. Two Dimensional-Lead Selenide (PbSe) Nanosheets for Renewable Energy Applications. In ADVANCED SCIENCE LETTERS. ISSN 1936-6612, 2014, vol. 20, no. 7-9, pp. 1383., WOS

- ADCA134 ROMERO, Maximina - KOVÁČOVÁ, Milota - RINCÓN, Jesus Ma. Effect of particle size on kinetics crystallization of an iron-rich glass. In *Journal of materials science and engineering B*, 2008, vol. 43, no. 12, p. 4135-4142. ISSN 0921-5107.

Ohlasy:

[1.1] EROL, M. - KUCUKBAYRAK, S. - ERSOY-MERICBOYU, A. Influence of particle size on the crystallization kinetics of glasses produced from waste materials. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2011, vol. 357, no. 1, pp. 211., WOS

[1.1] CHINNAM, R. K. - FRANCIS, A. A. - WILL, J. - BERNARDO, E. - BOCCACCINI, A. R. Review. Functional glasses and glass-ceramics derived from iron rich waste and combination of industrial residues. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2013, vol. 365, no., pp. 63., WOS

[1.1] KARAMANOV, A. - SCHABBACH, L. Maccarini - KARAMANOVA, E. - ANDREOLA, F. - BARBIERI, L. - RANGUELOV, B. - AVDEEV, G. - LANCELLOTTI, I. Sinter-crystallization in air and inert atmospheres of a glass from pre-treated municipal solid waste bottom ashes. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2014, vol. 389, no., pp. 50., WOS

[1.1] LU, Jinshan - LU, Zhangyang - PENG, Changhao - LI, Xibao - JIANG, Hongliu. Influence of particle size on sinterability, crystallisation kinetics and flexural strength of wollastonite glass-ceramics from waste glass and fly ash. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2014, vol. 148, no. 1-2, pp. 449., WOS

[1.1] PACURARIU, C. - LAZAU, I. Non-isothermal crystallization kinetics of some glass-ceramics with pyroxene structure. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2012, vol. 358, no. 23, pp. 3332., WOS

[1.1] SANDU, V. - NICOLESCU, M. S. - KUNCSEK, V. - POPA, S. - PASUK, I. - GHICA, C. - SANDU, E. Structure and Magnetic Properties of Nanosized Magnetite Obtained by Glass Recrystallization. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, 2012, vol. 12, no. 6, pp. 5043., WOS

[1.1] SHIN, J. H. - BAE, D. H. Effect of the TiO₂ nanoparticle size on the decomposition behaviors in aluminum matrix composites. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2014, vol. 143, no. 3, pp.

1423., WOS

[1.1] SMILJANIC, Sonja V. - GRUJIC, Snezana R. - TOSIC, Mihajlo B. - ZIVANOVIC, Vladimir D. - STOJANOVIC, Jovica N. - MATIJASEVIC, Srdjan D. - NIKOLIC, Jelena D. Crystallization and sinterability of glass-ceramics in the system $\text{La}_2\text{O}_3\text{-SrO-B}_2\text{O}_3$. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2014, vol. 40, no. 1, pp. 297., WOS

[1.1] SVOBODA, Roman - MALEK, Jiri. Particle size influence on crystallization behavior of $\text{Ge}_2\text{Sb}_2\text{Se}_5$ glass. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2012, vol. 358, no. 2, pp. 276., WOS

[3.1] CHINNAM, R.K.S. Functional Glasses and Glass-ceramics Derived from Industrial Waste. Erlangung des Doktorgrades Doktor-Ingenieur, Der Technischen Fakultät der Friedrich-Alexander-Universität, Erlangen-Nürnberg, 2014, 179 p

ADCA135 SALAZAR-ALVAREZ, G. - QIN, J. - ŠEPELÁK, Vladimír - BERGMANN, Ingo - VASILAKAKI, M. - TROHIDOU, K.N. - ARDISSON, J.D. - NOGUÉS, J. Cubic versus spherical magnetic nanoparticles: The role of surface anisotropy. In *Journal of the American Chemical Society*, 2008, vol. 130, no. 40, p. 13234-13239. ISSN 0002-7863.

Ohlasy:

[1.1] AFREMOV, Leonid Lazarevich - ILYUSHIN, Ilia Gennadievich. Effect of Mechanical Stress on Magnetic States and Hysteresis Characteristics of a Two-Phase Nanoparticles System. In JOURNAL OF NANOMATERIALS. ISSN 1687-4110, 2013, vol., no., pp., WOS

[1.1] BAKUZIS, Andris Figueiroa - BRANQUINHO, Luis Cesar - LUIZ E CASTRO, Leonardo - DE AMARAL E ELOI, Marcos Tiago - MIOTTO, Ronei. Chain formation and aging process in biocompatible polydisperse ferrofluids: Experimental investigation and Monte Carlo simulations. In ADVANCES IN COLLOID AND INTERFACE SCIENCE. ISSN 0001-8686, 2013, vol. 191, no., pp. 1., WOS

[1.1] BAUMGARDNER, William J. - QUAN, Zewei - FANG, Jiye - HANRATH, Tobias. Timing matters: the underappreciated role of temperature ramp rate for shape control and reproducibility of quantum dot synthesis. In NANOSCALE. ISSN 2040-3364, 2012, vol. 4, no. 12, pp. 3625., WOS

[1.1] BOUFFIER, Laurent - YIU, Humphrey H P - ROSSEINSKY, Matthew J. Chemical grafting of a DNA intercalator probe onto functional iron oxide nanoparticles: A physicochemical study. In *Langmuir*. ISSN 07437463, 2011-06-01, 27, 10, pp. 6185-6192., WOS

[1.1] BRONSTEIN, Lyudmila M. - ATKINSON, Jessie E. - MALYUTIN, Andrey G. - KIDWAI, Faiz - STEIN, Barry D. - MORGAN, David G. - PERRY, John M. - KARTY, Jonathan A. Nanoparticles by Decomposition of Long Chain Iron Carboxylates: From Spheres to Stars and Cubes. In *LANGMUIR*. ISSN 0743-7463, MAR 15 2011, vol. 27, no. 6, p. 3044-3050., WOS

[1.1] CABRERA, Lourdes I. - SOMOZA, Alvaro - MARCO, Jose F. - SERNA, Carlos J. - PUERTO MORALES, M. Synthesis and surface modification of uniform MFe_2O_4 (M = Fe, Mn, and Co) nanoparticles with tunable sizes and functionalities. In JOURNAL OF NANOPARTICLE RESEARCH. ISSN 1388-0764, 2012, vol. 14, no. 6, pp., WOS

[1.1] DAS, S. - MAJUMDAR, S. - GIRI, S. Multifunctional properties of

CoNi alloy embedded in the SiO₂ host: Role of interparticle interaction. In JOURNAL OF SOLID STATE CHEMISTRY. ISSN 0022-4596, 2011, vol. 184, no. 8, pp. 2215., WOS

[1.1] DE MONTFERRAND, Caroline - HU, Ling - MILOSEVIC, Irena - RUSSIER, Vincent - BONNIN, Dominique - MOTTE, Laurence - BRIOUDE, Arnaud - LALATONNE, Yoann. Iron oxide nanoparticles with sizes, shapes and compositions resulting in different magnetization signatures as potential labels for multiparametric detection. In ACTA BIOMATERIALIA. ISSN 1742-7061, 2013, vol. 9, no. 4, pp. 6150., WOS

[1.1] DUTZ, Silvio - HERGT, Rudolf. Magnetic particle hyperthermia-a promising tumour therapy? In NANOTECHNOLOGY. ISSN 0957-4484, 2014, vol. 25, no. 45, pp., WOS

[1.1] FONTAINA-TROITINO, Nerio - LIEBANA-VINAS, Sara - RODRIGUEZ-GONZALEZ, Benito - LI, Zi-An - SPASOVA, Marina - FARLE, Michael - SALGUEIRINO, Veronica. Room-Temperature Ferromagnetism in Antiferromagnetic Cobalt Oxide Nanooctahedra. In NANO LETTERS. ISSN 1530-6984, 2014, vol. 14, no. 2, pp. 640., WOS

[1.1] GIRI, S. - PATRA, M. - MAJUMDAR, S. Exchange bias effect in alloys and compounds. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2011, vol. 23, no. 7, pp., WOS

[1.1] GUARDIA, Pablo - LABARTA, Amilcar - BATLLE, Xavier. Tuning the size, the shape, and the magnetic properties of iron oxide nanoparticles. In Journal of Physical Chemistry C. ISSN 19327447, 2011-01-20, 115, 2, pp. 390-396., WOS

[1.1] HO, Chien-Hsin - TSAI, Chih-Pin - CHUNG, Chia-Chi - TSAI, Chun-Ying - CHEN, Fu-Rong - LIN, Hong-Ji - LAI, Chih-Huang. Shape-Controlled Growth and Shape-Dependent Cation Site Occupancy of Monodisperse Fe₃O₄ Nanoparticles. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2011, vol. 23, no. 7, pp. 1753., WOS

[1.1] CHALASANI, Rajesh - VASUDEVAN, Sukumaran. Form, content, and magnetism in iron oxide nanocrystals. In Journal of Physical Chemistry C. ISSN 19327447, 2011-09-22, 115, 37, pp. 18088-18093., WOS

[1.1] CHAUDHURI, Rajib Ghosh - PARIA, Santanu. Core/Shell Nanoparticles: Classes, Properties, Synthesis Mechanisms, Characterization, and Applications. In CHEMICAL REVIEWS. ISSN 0009-2665, 2012, vol. 112, no. 4, pp. 2373., WOS

[1.1] CHEN, Chih-Jung - CHIANG, Ray-Kuang - WANG, Jiun-Sheng - WANG, Sue-Lein. Synthesis and magnetic properties of octahedral magnetite nanoparticles in 20-110 nm range. In JOURNAL OF NANOPARTICLE RESEARCH. ISSN 1388-0764, 2013, vol. 15, no. 8, pp., WOS

[1.1] JIAO, Yang - LIU, Yang - QU, Fengyu - WU, Xiang. Dendritic alpha-Fe₂O₃ hierarchical architectures for visible light driven photocatalysts. In CRYSTENGCOMM. ISSN 1466-8033, 2014, vol. 16, no. 4, pp. 575., WOS

[1.1] JIAO, Yang - LIU, Yang - YIN, Bosi - ZHANG, Siwen - QU, Fengyu - WU, Xiang. Hydrothermal Synthesis and Photocatalytic Performance of Uniform alpha-Fe₂O₃ Nanocubes. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, 2014, vol. 14, no. 9, pp. 7211., WOS

[1.1] KOLHATKAR, Arati G. - JAMISON, Andrew C. - LITVINOV, Dmitri - WILLSON, Richard C. - LEE, T. Randall. Tuning the Magnetic Properties of Nanoparticles. In INTERNATIONAL JOURNAL OF MOLECULAR

- SCIENCES. ISSN 1422-0067, 2013, vol. 14, no. 8, pp. 15977., WOS
- [1.1] LUIGJES, Bob - WOUTENBERG, Suzanne M. C. - DE GROOT, Rick - MEELDIJK, Johannes D. - GALVIS, Hirsia M. Torres - DE JONG, Krijn P. - PHILIPSE, Albert P. - ERNE, Ben H. Diverging Geometric and Magnetic Size Distributions of Iron Oxide Nanocrystals. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2011, vol. 115, no. 30, pp. 14598., WOS
- [1.1] MARKOVICH, Vladimir - PUZNIAK, Roman - MOGILYANSKY, Dmitrii - WU, Xiaodong - SUZUKI, Kiyonori - FITA, Ivan - WISNIEWSKI, Andrzej - CHEN, Shijian - GORODETSKY, Gad. Exchange Bias Effect in $\text{La}_{0.2}\text{Ca}_{0.8}\text{MnO}_3$ Antiferromagnetic Nanoparticles with Two Ferromagnetic-Like Contributions. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2011, vol. 115, no. 5, pp. 1582., WOS
- [1.1] MARTINEZ-BOUBETA, Carlos - SIMEONIDIS, Konstantinos - MAKRIDIS, Antonios - ANGELAKERIS, Makis - IGLESIAS, Oscar - GUARDIA, Pablo - CABOT, Andreu - YEDRA, Lluís - ESTRADA, Sonia - PEIRO, Francesca - SAGHI, Zineb - MIDGLEY, Paul A. - CONDE-LEBORAN, Ivan - SERANTES, David - BALDOMIR, Daniel. Learning from Nature to Improve the Heat Generation of Iron-Oxide Nanoparticles for Magnetic Hyperthermia Applications. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2013, vol. 3, no., pp., WOS
- [1.1] MIRZAEI, Sharareh - SHAYESTEH, Saber Farjami - MAHDAVIFAR, Saeed. Synthesis and Characterization of Cubic Omega-3-coated Cobalt Ferrite Nanoparticles. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2014, vol. 27, no. 7, pp. 1781., WOS
- [1.1] MITRA, Arijit - MOHAPATRA, J. - MEENA, S. S. - TOMY, C. V. - ASLAM, M. Verwey Transition in Ultrasmall-Sized Octahedral Fe_3O_4 Nanoparticles. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2014, vol. 118, no. 33, pp. 19356., WOS
- [1.1] MOGHIMI, Nafiseh - RAHSEPAR, Fatemeh Rahnemaye - SRIVASTAVA, Saurabh - HEINIG, Nina - LEUNG, Kam Tong. Shape-dependent magnetism of bimetallic FeNi nanosystems. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2014, vol. 2, no. 31, pp. 6370., WOS
- [1.1] MORGAN, David Gene - BORIS, Bethany S. - KUCHKINA, Nina V. - YUZIK-KLIMOVA, Ekaterina Yu - SOROKINA, Svetlana A. - STEIN, Barry D. - SVERGUN, Dmitri I. - SPILOTROS, Alessandro - KOSTOPOULOU, Athanasia - LAPPAS, Alexandros - SHIFRINA, Zinaida B. - BRONSTEIN, Lyudmila M. Multicore Iron Oxide Mesocrystals Stabilized by a Poly(phenylenepyridyl) Dendron and Dendrimer: Role of the Dendron/Dendrimer Self-Assembly. In LANGMUIR. ISSN 0743-7463, 2014, vol. 30, no. 28, pp. 8543., WOS
- [1.1] NOH, Seung-hyun - NA, Wonjun - JANG, Jung-tak - LEE, Jae-Hyun - LEE, Eun Jung - MOON, Seung Ho - LIM, Yongjun - SHIN, Jeon-Soo - CHEON, Jinwoo. Nanoscale Magnetism Control via Surface and Exchange Anisotropy for Optimized Ferrimagnetic Hysteresis. In NANO LETTERS. ISSN 1530-6984, 2012, vol. 12, no. 7, pp. 3716., WOS
- [1.1] PICHON, Benoit P. - GERBER, Olivier - LEFEVRE, Christophe - FLOREA, Ileana - FLEUTOT, Solenne - BAAZIZ, Walid - PAULY, Matthias - OHLMANN, Maxime - ULHAQ, Corinne - ERSÉN, Ovidiu -

- PIERRON-BOHNES, Veronique - PANISSOD, Pierre - DRILLON, Marc - BEGIN-COLIN, Sylvie. Microstructural and Magnetic Investigations of Wustite-Spinel Core-Shell Cubic-Shaped Nanoparticles. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2011, vol. 23, no. 11, pp. 2886., WOS
- [1.1] PLOUFFE, Brian D. - NAGESHA, Dattatri K. - DIPIETRO, Robert S. - SRIDHAR, Srinvas - HEIMAN, Don - MURTHY, Shashi K. - LEWIS, Lewis H. Thermomagnetic determination of Fe₃O₄ magnetic nanoparticle diameters for biomedical applications. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2011, vol. 323, no. 17, pp. 2310., WOS
- [1.1] PRADO, Yoann - DIA, Nada - LISNARD, Laurent - ROGEZ, Guillaume - BRISSET, Francois - CATALA, Laure - MALLAH, Talal. Tuning the magnetic anisotropy in coordination nanoparticles: random distribution versus core-shell architecture. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2012, vol. 48, no. 93, pp. 11455., WOS
- [1.1] QI, Bin - YE, Longfei - STONE, Roland - DENNIS, Cindi - CRAWFORD, Thomas M. - MEFFORD, O. Thompson. Influence of Ligand-Precursor Molar Ratio on the Size Evolution of Modifiable Iron Oxide Nanoparticles. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2013, vol. 117, no. 10, pp. 5429., WOS
- [1.1] RAO, C. N. R. - MATTE, H. S. S. Ramakrishna - VOGGU, Rakesh - GOVINDARAJ, A. Recent progress in the synthesis of inorganic nanoparticles. In DALTON TRANSACTIONS. ISSN 1477-9226, 2012, vol. 41, no. 17, pp. 5089., WOS
- [1.1] RINALDI-MONTES, N. - GORRIA, P. - MARTINEZ-BLANCO, D. - FUERTES, A. B. - FERNANDEZ BARQUIN, L. - RODRIGUEZ FERNANDEZ, J. - DE PEDRO, I. - FDEZ-GUBIEDA, M. L. - ALONSO, J. - OLIVI, L. - AQUILANTI, G. - BLANCO, J. A. Interplay between microstructure and magnetism in NiO nanoparticles: breakdown of the antiferromagnetic order. In NANOSCALE. ISSN 2040-3364, 2014, vol. 6, no. 1, pp. 457., WOS
- [1.1] SABYASACHI, Sk - MAJUMDAR, S. - GIRI, S. Nanocrystallite interface effect and exchange bias phenomenology in Cr₂O₃ and NiO nanoparticles. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2011, vol. 151, no. 21, pp. 1515., WOS
- [1.1] SANTOYO-SALAZAR, J. - TARTAJ, J. Influence of structural distortion on physical properties of yttria-zirconia-alumina nanoparticles. In Journal of Advanced Microscopy Research 6 (2011), 14, WOS
- [1.1] SHARMA, Geetu - JEEVANANDAM, Pethaiyan. Synthesis of self-assembled prismatic iron oxide nanoparticles by a novel thermal decomposition route. In RSC ADVANCES. ISSN 2046-2069, 2013, vol. 3, no. 1, pp. 189., WOS
- [1.1] SHI, Weidong - ZHANG, Xian - CHE, Guangbo - FAN, Weiqiang - LIU, Chunbo. Controlled hydrothermal synthesis and magnetic properties of three-dimensional FeSe₂ rod clusters and microspheres. In CHEMICAL ENGINEERING JOURNAL. ISSN 1385-8947, 2013, vol. 215, no., pp. 508., WOS
- [1.1] SIMSEK, Telem - OZCAN, Sadan. Effective magnetic anisotropy enhancement of FePt nanocrystals through shape control. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2014, vol. 351, no., pp. 47., WOS
- [1.1] SINGAMANENI, Srikanth - BLIZNYUK, Valery N. - BINEK,

- Christian - TSYMBAL, Evgeny Y. Magnetic nanoparticles: recent advances in synthesis, self-assembly and applications. In JOURNAL OF MATERIALS CHEMISTRY. ISSN 0959-9428, 2011, vol. 21, no. 42, pp. 16819., WOS
- [1.1] SONG, Mengjie - ZHANG, Yu - HU, Sunling - SONG, Lina - DONG, Jinlai - CHEN, Zhongping - GU, Ning. Influence of morphology and surface exchange reaction on magnetic properties of monodisperse magnetite nanoparticles. In COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS. ISSN 0927-7757, 2012, vol. 408, no., pp. 114., WOS
- [1.1] SOUNDARARAJAN, D. - MANGALARAJ, D. - NATARAJ, D. - DOROSINSKII, L. - SANTOYO-SALAZAR, J. - SENTHIL, K. - KO, J. M. Structural, Compositional and Magnetic Studies on $\text{Zn}_{1-x}\text{Cr}_x\text{Te}$ ($x=0.05, 0.15$) Films Grown on GaAs (100) Substrates. In SCIENCE OF ADVANCED MATERIALS. ISSN 1947-2935, 2011, vol. 3, no. 1, pp. 80., WOS
- [1.1] VAN, Thanh-Khue - CHA, Hyun Gil - NGUYEN, Cuong Ky - KIM, Soo-Whan - JUNG, Myun-Hwa - KANG, Young Soo. Nanocrystals of Hematite with Unconventional Shape-Truncated Hexagonal Bipyramid and Its Optical and Magnetic Properties. In CRYSTAL GROWTH & DESIGN. ISSN 1528-7483, 2012, vol. 12, no. 2, pp. 862., WOS
- [1.1] VATANSEVER, Erol - POLAT, Hamza. Monte Carlo investigation of a spherical ferrimagnetic core-shell nanoparticle under a time dependent magnetic field. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2013, vol. 343, no., pp. 221., WOS
- [1.1] WANG, Dan - MA, Qian - YANG, Ping. Synthesis of Fe_3O_4 Nanoparticles with Tunable and Uniform Size Through Simple Thermal Decomposition. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, 2012, vol. 12, no. 8, pp. 6432., WOS
- [1.1] XU, Yanyan - SUN, Yaqiu - YANG, Shuang - ZHANG, Guoying - GAO, Dongzhao. Synthesis and characterization of heterometallic complexes as nanofibers by a solvothermal route. In RSC ADVANCES. ISSN 2046-2069, 2013, vol. 3, no. 29, pp. 11640., WOS
- [1.1] XU, Yanyan - ZHANG, Guoying - DU, Guixiang - SUN, Yaqiu - GAO, Dongzhao. $\alpha\text{-Fe}_2\text{O}_3$ nanostructures with different morphologies: Additive-free synthesis, magnetic properties, and visible light photocatalytic properties. In MATERIALS LETTERS. ISSN 0167-577X, 2013, vol. 92, no., pp. 321., WOS
- [1.1] YANG, Shuang - XU, Yanyan - SUN, Yaqiu - ZHANG, Guoying - GAO, Dongzhao. Size-controlled synthesis, magnetic property, and photocatalytic property of uniform $\alpha\text{-Fe}_2\text{O}_3$ nanoparticles via a facile additive-free hydrothermal route. In CRYSTENGCOMM. ISSN 1466-8033, 2012, vol. 14, no. 23, pp. 7915., WOS
- [1.1] ZHEN, Guoliang - MUIR, Benjamin W. - MOFFAT, Bradford A. - HARBOUR, Peter - MURRAY, Keith S. - MOUBARAKI, Boujemaa - SUZUKI, Kiyonori - MADSEN, Ian - AGRON-OLSHINA, Nicki - WADDINGTON, Lynne - MULVANEY, Paul - HARTLEY, Patrick G. Comparative Study of the Magnetic Behavior of Spherical and Cubic Superparamagnetic Iron Oxide Nanoparticles. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2011, vol. 115, no. 2, pp. 327., WOS
- [1.1] ZHOU, Mingge - LI, Wei - ZHU, Minggang - ZHOU, Dong - HOU, Yanglong. Shape-controlled synthesis and magnetic properties of FePt

nanocubes. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2013, vol. 63, no. 3, pp. 302., WOS

[1.2] BRONSTEIN, Lyudmila M. - ATKINSON, Jessie E. - MALYUTIN, Andrey G. - KIDWAI, Faiz - STEIN, Barry D. - MORGAN, David G. - PERRY, John M. - KARTY, Jonathan A. Nanoparticles by decomposition of long chain iron carboxylates: From spheres to stars and cubes. In Langmuir. ISSN 07437463, 2011-03-15, 27, 6, pp. 3044-3050., SCOPUS

[1.2] GHOSH CHAUDHURI, Rajib - PARIA, Santanu. Core/shell nanoparticles: Classes, properties, synthesis mechanisms, characterization, and applications. In Chemical Reviews. ISSN 00092665, 2012-04-11, 112, 4, pp. 2373-2433., SCOPUS

[1.2] PRAVEENA, K. - RADHIKA, B. - SRINATH, S. Dielectric and magnetic properties of $\text{NiFe}_{1-x}\text{Bi}_x\text{O}_4$ nanoparticles at microwave frequencies prepared via co-precipitation method. In Procedia Engineering. ISSN 18777058, 2014-01-01, 76, pp. 1-7., SCOPUS

ADCA136 SELVAN, R.K. - AUGUSTIN, C.O. - ŠEPELÁK, Vladimír - BERCHMANS, Lawrence John - SANJEEVIRAJA, C. - GEDANKEN, A. Synthesis and characterization of $\text{CuFe}_2\text{O}_4/\text{CeO}_2$ nanocomposites. In *Materials Chemistry and Physics*, 2008, vol. 112, no. 2, p. 373-380. ISSN 0254-0584.

Ohlasy:

[1.1] BALAJI, S. - VASUKI, R. - MUTHARASU, D. A feasibility study on $\text{SnO}_2/\text{NiFe}_2\text{O}_4$ nanocomposites as anodes for Li ion batteries. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2013, vol. 554, no., pp. 25., WOS

[1.1] HELAILI, N. - BESSEKHOUD, Y. - BACHARI, K. - TRARI, M. Synthesis and physical properties of the $\text{CuFe}_{2-x}\text{Mn}_x\text{O}_4$ ($0 \leq x \leq 2$) solid solution. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2014, vol. 148, no. 3, pp. 734., WOS

[1.1] KHANDEKAR, M. S. - TARWAL, N. L. - PATIL, J. Y. - SHAIKH, F. I. - MULLA, I. S. - SURYAVANSHI, S. S. Liquefied petroleum gas sensing performance of cerium doped copper ferrite. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2013, vol. 39, no. 5, pp. 5901., WOS

[1.1] MOUNKACHI, O. - HAMEDOUN, M. - BELAICHE, M. - BENYOUSSEF, A. - MASROUR, R. - EL MOUSSAOUI, H. - SAJIEDDINE, M. Synthesis and magnetic properties of ferrites spinels $\text{Mg}_x\text{Cu}_{1-x}\text{Fe}_2\text{O}_4$. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2012, vol. 407, no. 1, pp. 27., WOS

[1.1] MOUNKACHI, O. - HAMEDOUN, M. - BELAICHE, M. - BENYOUSSEF, A. - SAJIEDDINE, M. Critical behaviour and magnetic properties of A-B spinel $\text{Zn}_x\text{Cu}_{1-x}\text{Fe}_2\text{O}_4$. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2011, vol. 151, no. 13, pp. 938., WOS

[1.1] SENTURK, E. - KOSEOGLU, Y. - SASMAZ, T. - ALAN, F. - TAN, M. RC circuit and conductivity properties of $\text{Mn}_{0.6}\text{Co}_{0.4}\text{Fe}_2\text{O}_4$ nanocomposite synthesized by hydrothermal method. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2013, vol. 578, no., pp. 90., WOS

[1.1] TARTA, Vasile Florin - MARINCA, Traian Florin - CHICINAS, Ionel - POPA, Florin - NEAMTU, Bogdan Viorel - PASCUTA, Petru - TAKACS, Albert F. Stability of Phases in Ball-Milled Zinc Ferrite/Iron Composite Produced by Spark Plasma Sintering. In MATERIALS AND

MANUFACTURING PROCESSES. ISSN 1042-6914, 2013, vol. 28, no. 8, pp. 933., WOS

[1.1] ZHU, Zhengru - LI, Xinyong - ZHAO, Qidong - LI, Yonghua - SUN, Caizhi - CAO, Yongqiang. Photocatalytic performances and activities of Ag-doped CuFe₂O₄ nanoparticles. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2013, vol. 48, no. 8, pp. 2927., WOS

ADCA137 SKORŠEPA, J - GODOČÍKOVÁ, Erika - ČERNÁK, Jozef. Comparison on thermal decomposition of propionate, benzoate and their chloroderivative salts of Zn(II). In *Journal of Thermal Analysis and Calorimetry*, 2004, vol. 75, no. 3, p. 773-778. ISSN 1388-6150.

Ohlasy:

[1.1] BIJINI, B. R. - PRASANNA, S. - DEEPA, M. - NAIR, C. M. K. - BABU, K. Rajendra. Crystal structure, spectral, thermal and dielectric studies of a new zinc benzoate single crystal. In SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY. ISSN 1386-1425, 2012, vol. 97, no., pp. 1002., WOS

[1.1] FINDORAKOVA, Lenka - GYORYOVA, Katarina - HUDECOVA, Daniela - MUDRONOVA, Dagmar - KOVAROVA, Jana - HOMZOVA, Katarina - EL-DIEN, Faten A. Nour. Thermal decomposition study and biological characterization of zinc(II) 2-chlorobenzoate complexes with bioactive ligands. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2013, vol. 111, no. 3, pp. 1771., WOS

[1.1] GRIVEL, J.C. Thermal decomposition of Ln(C₂H₅CO₂)₃center dot H₂O (Ln = Ho, Er, Tm and Yb). In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2012, vol. 109, no. 1, pp. 81., WOS

[1.1] GRIVEL, J.C. Thermal decomposition of yttrium(III) propionate and butyrate. In JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS. ISSN 0165-2370, 2013, vol. 101, no., pp. 185., WOS

[1.1] GRIVEL, J.C. Thermal decomposition of RE(C₂H₅CO₂)₃center dot H₂O (RE = Dy, Tb, Gd, Eu and Sm). In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2014, vol. 115, no. 2, pp. 1253., WOS

[1.2] GRIVEL, J. - C. Thermal decomposition of RE(C₂H₅CO₂)₃center dot H₂O (RE = Dy, Tb, Gd, Eu and Sm). In *Journal of Thermal Analysis and Calorimetry*, vol. 115 (2014), iss. 2, 1253-1264., 1.2

ADCA138 STREČKOVÁ, Magdaléna - SOPČÁK, Tibor - MEDVECKÝ, Ľubomír - BUREŠ, Radovan - FÁBEROVÁ, Mária - BAŤKO, Ivan - BRIANČIN, Jaroslav. Preparation, chemical and mechanical properties of microcomposite materials based on Fe powder and phenol-formaldehyde resin. In *Chemical Engineering Journal*, 2012, vol. 180, p. 343-353. (3.461 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1385-8947.

Ohlasy:

[1.1] FELDSHTEIN, Eugene E. - DYACHKOVA, Larisa N. On the properties and tribological behaviors of P/M iron based composites reinforced with ultrafine particulates. In COMPOSITES PART B-ENGINEERING. ISSN 1359-8368, 2014, vol. 58, p. 16., WOS

[1.1] FENG, Guo-rui - QI, Ting-ye - SHI, Wen-jing - YAN, Yong-gan - GUO, Yu-xia. A B3LYP and MP2 theoretical investigation into the synergetic effect between the O/N-H center dot center dot center dot O and O/N-H center

dot center dot center dot F- anionic hydrogen-bonding interactions in N-(Hydroxymethyl)acetamide complex with F-. In COMPUTATIONAL AND THEORETICAL CHEMISTRY. ISSN 2210-271X, 2013, vol. 1014, no., pp. 68., WOS

[1.1] FENG, Guo-rui - QI, Ting-ye - SHI, Wen-jing - GUO, Yu-xia - ZHANG, Yu-jiang - GUO, Jun - KANG, Li-xun. A B3LYP and MP2(full) theoretical investigation on the cooperativity effect between hydrogen-bonding and cation-molecule interactions and thermodynamic property in the 1: 2 (Na+: N-(Hydroxymethyl)acetamide) ternary complex. In JOURNAL OF MOLECULAR MODELING. ISSN 1610-2940, 2014, vol. 20, no. 3, p. 2154., WOS

[1.1] YANG, Hongyu - WANG, Xin - YU, Bin - YUAN, Haixia - SONG, Lei - HU, Yuan - YUEN, Richard K. K. - YEOH, Guan Heng. A novel polyurethane prepolymer as toughening agent: Preparation, characterization, and its influence on mechanical and flame retardant properties of phenolic foam. In JOURNAL OF APPLIED POLYMER SCIENCE. ISSN 0021-8995, 2013, vol. 128, no. 5, pp. 2720., WOS

[1.1] YAN, Y.-G. - SHI, W.-J. - FENG, G.-R. - REN, F.-D. - WANG, Y. A B3LYP and MP2(full) theoretical investigation on the cooperativity effect between cation-molecule and hydrogen-bonding interactions in the O-cresol complex with Na +. In Computational and Theoretical Chemistry, 2012, vol.996, 91-102., WOS

ADCA139 ŠEPELÁK, Vladimír - BAABE, D. - LITTERST, F.J. - BECKER, Klaus Dieter. A Mössbauer study of mechanically activated MgFe₂O₄. In *Hyperfine Interactions*, 2000, vol. 126, p. 143. ISSN 0304-3843.

Ohlasy:

[1.1] DA DALT, S. - TAKIMI, A. S. - VOLKMER, T. M. - SOUSA, V. C. - BERGMANN, C. P. Magnetic and Mossbauer behavior of the nanostructured MgFe₂O₄ spinel obtained at low temperature. In POWDER TECHNOLOGY. ISSN 0032-5910, 2011, vol. 210, no. 2, pp. 103., WOS

ADCA140 ŠEPELÁK, Vladimír - BECKER, Klaus Dieter - BERGMANN, Ingo - SUZUKI, Shigeru - INDRIS, Silvio - FELDHOFF, Armin - HEITJANS, Paul - GREY, Clare P. A One-Step Mechanochemical Route to Core-Shell Ca₂SnO₄ Nanoparticles Followed by 119 Sn MAS NMR and 119 Sn Mossbauer Spectroscopy. In *Chemistry of Materials*, 2009, vol. 21, p. 2518-2524. (5.046 - IF2008). (2009 - Current Contents). ISSN 0897-4756.

Ohlasy:

[1.1] FUENTES, A. F. - TAKACS, L. Preparation of multicomponent oxides by mechanochemical methods. In *Journal of Materials Science* 48 (2), (2013) p. 598-611., WOS

[1.1] LUCIER, B.E.G. - JOHNSTON, K.E. - ARNOLD, D.C. - LEMYRE, J.L. - BEAUPRE, A. - BLANCHETTE, M. - RITCEY, A.M. - SCHURKO, R.W. Comprehensive Solid-State Characterization of Rare Earth Fluoride Nanoparticles. JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, JAN 16 2014, vol. 118, no. 2, p. 1213-1228., WOS

[1.1] MACGREGOR, A.W. - O'DELL, L.A. - SCHURKO, R.W. New methods for the acquisition of ultra-wideline solid-state NMR spectra of spin-1/2 nuclides. JOURNAL OF MAGNETIC RESONANCE. ISSN 1090-7807, JAN

2011, vol. 208, no. 1, p. 103-113., WOS

[1.1] ROJAC, T. - MALIC, B. - KOSEC, M. - POLOMSKA, M. - HILCZER, B. - ZUPANCIC, B. - ZALAR, B. Mechanochemical synthesis of NaNbO_3 : A complementary study of reaction mechanism using Raman spectroscopy and quadrupole perturbed Na-23 nuclear magnetic resonance. SOLID STATE IONICS. ISSN 0167-2738, MAY 14 2012, vol. 215, p. 1-6., WOS

[1.1] TAKACS, L. The historical development of mechanochemistry. In Chemical Society Reviews 42 (18), (2013) p. 7649-7659, WOS

[1.1] TSAROUCHA, M. - AKSU, Y. - IRRAN, E. - DRIESS, M. Synthesis of stannyl-substituted Zn_4O_4 cubanes as single-source precursors for amorphous tin-doped ZnO and Zn_2SnO_4 nanocrystals and their potential for thin film field effect transistor applications. In Chemistry of Materials 23 (2011), 2428., WOS

ADCA141 ŠEPELÁK, Vladimír - BECKER, Klaus Dieter. Comparison of the cation inversion parameter of the nanoscale milled spinel ferrites with that of the quenched bulk materials. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2004, vol. A375-A377, p. 861-864. (1.363 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] AHMED, I. S. - SHAMA, S. A. - DESSOUKI, N. A. - ALI, A. A. Low temperature combustion synthesis of $\text{Co}_x\text{Mg}_{1-x}\text{Al}_2\text{O}_4$ nano pigments using oxalyldihydrazide as a fuel. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2011, vol. 125, no. 3, pp. 326., WOS

[1.1] DOLIA, S. N. Role of Particle Size on Structural and Magnetic Behavior of Nanocrystalline Cu-Ni Ferrite. In LATEST TRENDS IN CONDENSED MATTER PHYSICS: EXPERIMENTAL AND THEORETICAL ASPECTS. ISSN 1012-0394, 2011, vol. 171, no., pp. 79., WOS

[1.1] GUO, Xuan - ZHU, Haojun - SI, Mingsu - JIANG, Changjun - XUE, Desheng - ZHANG, Zhijia - LI, Quan. ZnFe_2O_4 Nanotubes: Microstructure and Magnetic Properties. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2014, vol. 118, no. 51, pp. 30145., WOS

[1.1] CHADORBAFZADEH, M. - BAGHSHAHI, S. - MOHEBI, M. M. SYNTHESIS AND SPECTRA CHARACTERIZATION OF $\text{Co}_x\text{Zn}_{1-x}\text{Al}_2\text{O}_4$ NANOSIZED PIGMENTS BY GEL COMBUSTION METHOD. In CERAMICS-SILIKATY. ISSN 0862-5468, 2012, vol. 56, no. 4, pp. 301., WOS

[1.1] MAHMOUD, M. H. - ELSHAHAWY, A. M. - MAKHLOUF, Salah A. - HAMDEH, H. H. Mossbauer and magnetization studies of nickel ferrite nanoparticles synthesized by the microwave-combustion method. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2013, vol. 343, no., pp. 21., WOS

[1.1] SADEK, H. E. H. - KHATTAB, R. M. - GABER, A. A. - ZAWRAH, M. F. Nano $\text{Mg}_{1-x}\text{Ni}_x\text{Al}_2\text{O}_4$ spinel pigments for advanced applications. In SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY. ISSN 1386-1425, 2014, vol. 125, no., pp. 353., WOS

[1.1] SHAH, Saqlain A. - HASHMI, M. U. - ALAM, S. Effect of aligning magnetic field on the magnetic and calorimetric properties of ferrimagnetic bioactive glass ceramics for the hyperthermia treatment of cancer. In MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS. ISSN 0928-4931, 2011, vol. 31, no. 5, pp.

1010., WOS

[1.1] SOLANO, Eduardo - FRONTERA, Carlos - PUIG, Teresa - OBRADORS, Xavier - RICART, Susagna - ROS, Josep. Neutron and X-ray diffraction study of ferrite nanocrystals obtained by microwave-assisted growth. A structural comparison with the thermal synthetic route. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 0021-8898, 2014, vol. 47, no., pp. 414., WOS

[1.1] VUCINIC-VASIC, M. - BOZIN, E. S. - BESSAIS, L. - STOJANOVIC, G. - KOZMIDIS-LUBURIC, U. - ABEYKOON, M. - JANCAR, B. - MEDEN, A. - KREMENOVIC, A. - ANTIC, B. Thermal Evolution of Cation Distribution/Crystallite Size and Their Correlation with the Magnetic State of Yb-Substituted Zinc Ferrite Nanoparticles. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2013, vol. 117, no. 23, pp. 12358., WOS

[1.1] YOON, Hayoung - LEE, Ji Sung - MIN, Ji Hyun - WU, JunHua - KIM, Young Keun. Synthesis, microstructure, and magnetic properties of monosized Mn (x) Zn (y) Fe_{3-x y} O₄ ferrite nanocrystals. In NANOSCALE RESEARCH LETTERS. ISSN 1556-276X, 2013, vol. 8, no., pp., WOS

ADCA142 ŠEPELÁK, Vladimír - TKÁČOVÁ, Klára - BOLDYREV, V - STEINIKE, U. Crystal structure refinement of the mechanically activated spinel-ferrite. In *Materials Science Forum*, 1996, vol. 228-231, p. 783. ISSN 0255-5476.

Ohlasy:

[1.1] ABBAS, Y.M. - MANSOUR, S.A. - IBRAHIM, M.H. - ALI, S.E. Microstructure characterization and cation distribution of nanocrystalline cobalt ferrite. In *Journal of Magnetism and Magnetic Materials* 323 (2011) 2748, WOS

[1.1] ABBAS, Y. M. - MANSOUR, S. A. - IBRAHIM, M. H. - ALI, Shehab. E. Structural and magnetic properties of nanocrystalline stannic substituted cobalt ferrite. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2012, vol. 324, no. 18, pp. 2781., WOS

[1.1] BELLUSCI, M. - ALIOTTA, C. - FIORANI, D. - LA BARBERA, A. - PADELLA, F. - PEDDIS, D. - PILLONI, M. - SECCHI, D. Manganese iron oxide superparamagnetic powder by mechanochemical processing. Nanoparticles functionalization and dispersion in a nanofluid. In *Journal of Nanoparticle Research*. ISSN 13880764, 2012-06-06, 14, 6, pp., WOS

ADCA143 ŠEPELÁK, Vladimír - INDRIS, Silvio - HEITJANS, Paul - BECKER, Klaus Dieter. Direct determination of the cation disorder in nanoscale spinels by NMR, XPS, and mossbauer spectroscopy. In *Journal of Alloys and Compounds*, 2007, vol. 434-435, p. 776-778. (1.250 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] DUAN, Xiulan - WANG, Xinqiang - YU, Fapeng - LIU, Xitao. Effects of Co content and annealing temperature on the structure and optical properties of Co_xMg_{1-x}Al₂O₄ nanoparticles. In *Materials Chemistry and Physics*. ISSN 02540584, 2012-12-14, 137, 2, pp. 652-659., WOS

[1.1] HAJALILOU, A. - HASHIM, M. - EBRAHIMI-KAHRIZSANGI, R. - MOHAMED KAMARI, H. - SARAMI, N. Synthesis and structural characterization of nano-sized nickel ferrite obtained by mechanochemical process. In *Ceramics International*. ISSN 02728842, 2014-05-01, 40, 4, pp.

5881-5887., WOS

[1.1] HEIBA, Zein K. - MOHAMED, Mohamed Bakr - AHMED, M. A. - MOUSSA, M. A A - HAMDEH, H. H. Cation distribution and dielectric properties of nanocrystalline gallium substituted nickel ferrite. In Journal of Alloys and Compounds. ISSN 09258388, 2014-01-01, 586, pp. 773-781., WOS

[1.1] KRELL, Andreas - WAETZIG, Katja - KLIMKE, Jens. Influence of the structure of $\text{MgO} \cdot n\text{Al}_2\text{O}_3$ spinel lattices on transparent ceramics processing and properties. In Journal of the European Ceramic Society. ISSN 09552219, 2012-08-01, 32, 11, pp. 2887-2898., WOS

[1.1] KRELL, A. - BRENDLER, E. Influences of cation disorder in commercial spinel powders studied by ^{27}Al MAS NMR on the sintering of transparent MgAl_2O_4 ceramics. In Journal of Ceramic Science and Technology. ISSN 21909385, 2013-08-09, 4, 2, pp. 51-58., WOS

[1.1] LAZAREVIĆ, Z. Ž - JOVALEKIĆ, Č - REČNIK, A. - IVANOVSKI, V. N. - MILUTINOVIĆ, A. - ROMČEVIĆ, M. - PAVLOVIĆ, M. B. - CEKIĆ, B. - ROMČEVIĆ, N. Ž. Preparation and characterization of spinel nickel ferrite obtained by the soft mechanochemically assisted synthesis. In Materials Research Bulletin. ISSN 00255408, 2013-02-01, 48, 2, pp. 404-415., WOS

[1.1] MANCHEVA, M. - IORDANOVA, R. - DIMITRIEV, Y. Mechanochemical synthesis of nanocrystalline ZnWO_4 at room temperature. In Journal of Alloys and Compounds. ISSN 09258388, 2011-01-05, 509, 1, pp. 15-20., WOS

[1.1] MARINCA, Traian F. - CHICINAȘ, Ionel - ISNARD, Olivier - POPESCU, Violeta. Nanocrystalline/nanosized $\text{Ni}_{1-\gamma}\text{Fe}_{2+\gamma}\text{O}_4$ ferrite obtained by contamination with Fe during milling of $\text{NiO}-\text{Fe}_2\text{O}_3$ mixture. Structural and magnetic characterization. In Journal of the American Ceramic Society. ISSN 00027820, 2013-02-01, 96, 2, pp. 469-475., WOS

[1.1] MARINCA, T. F. - CHICINAS, I. - ISNARD, O. - POP, V. - POPA, F. Synthesis, structural and magnetic characterization of nanocrystalline nickel ferrite- NiFe_2O_4 obtained by reactive milling. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2011, vol. 509, no. 30, pp. 7931., WOS

[1.1] MOZAFFARI, M. - MASOUDI, H. Zinc Ferrite Nanoparticles: New Preparation Method and Magnetic Properties. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2014, vol. 27, no. 11, pp. 2563., WOS

[1.1] RASMUSSEN, Morten K. - FOSTER, Adam S. - HINNEMANN, Berit - CANOVA, Filippo F. - HELVEG, Stig - MEINANDER, Kristoffer - MARTIN, Natalia M. - KNUDSEN, Jan - VLAD, Alina - LUNDGREN, Edvin - STIERLE, Andreas - BESENBACHER, Flemming - LAURITSEN, Jeppe V. Stable Cation Inversion at the $\text{MgAl}_2\text{O}_4(100)$ Surface. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2011, vol. 107, no. 3, pp., WOS

[1.1] REITZ, Christian - SUCHOMSKI, Christian - CHAKRAVADHANULA, Venkata Sai Kiran - DJERDJ, Igor - JAGLIČIĆ, Zvonko - BREZESINSKI, Torsten. Morphology, microstructure, and magnetic properties of ordered large-pore mesoporous cadmium ferrite thin film spin glasses. In Inorganic Chemistry. ISSN 00201669, 2013-04-01, 52, 7, pp. 3744-3754., WOS

[1.2] MØRUP, Steen - RASMUSSEN, Helge K. - BROK, Erik - KELLER, Lukas - FRANDBSEN, Cathrine. Influence of cation disorder on the magnetic

properties of ball-milled ilmenite (FeTiO_3). In Materials Chemistry and Physics. ISSN 02540584, 2012-09-14, 136, 1, pp. 184-189., SCOPUS

- ADCA144 ŠEPELÁK, Vladimír - BAABE, D. - MIENERT, D. - LITTERST, F.J. - BECKER, Klaus Dieter. Enhanced magnetisation in nanocrystalline high-energy milled MgFe_2O_4 . In *Scripta Materialia*, 2003, vol. 48, p. 961-966. ISSN 1359-6462.
- Ohlasy:
- [1.1] AYYAPPAN, S. - PANEERSELVAM, G. - ANTONY, M.P. - PHILIP, J. Structural stability of ZnFe_2O_4 nanoparticles under different annealing conditions. MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, AUG 15 2011, vol. 128, no. 3, p. 400-404., WOS
- [1.1] DA DALT, S. - TAKIMI, A.S. - VOLKMER, T.M. - SOUSA, V.C. - BERGMANN, C.P. Magnetic and Mossbauer behavior of the nanostructured MgFe_2O_4 spinel obtained at low temperature. POWDER TECHNOLOGY. ISSN 0032-5910, JUN 25 2011, vol. 210, no. 2, p. 103-108., WOS
- [1.1] FRANCO, A. - SILVA, M.S. High temperature magnetic properties of magnesium ferrite nanoparticles. JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, APR 1 2011, vol. 109, no. 7., WOS
- [1.1] HASHIM, M. - ALIMUDDIN - KUMAR, S. - SHIRSATH, S.E. - KOTNALA, R.K. - SHAH, J. - KUMAR, R. Influence of Cr^{3+} ion on the structural, ac conductivity and magnetic properties of nanocrystalline Ni-Mg ferrite. CERAMICS INTERNATIONAL. ISSN 0272-8842, MAR 2013, vol. 39, no. 2, p. 1807-1819., WOS
- [1.1] HASHIM, M. - ALIMUDDIN - KUMAR, S. - SHIRSATH, S.E. - KOTNALA, R.K. - CHUNG, H. - KUMAR, R. Structural properties and magnetic interactions in $\text{Ni}_{0.5}\text{Mg}_{0.5}\text{Fe}_2(-)\text{xCr}_x\text{O}_4$ ($0 \leq x \leq 1$) ferrite nanoparticles. POWDER TECHNOLOGY. ISSN 0032-5910, OCT 2012, vol. 229, p. 37-44., WOS
- [1.1] CHANDRAMOHAN, P. - SRINIVASAN, M.P. - VELMURUGAN, S. - NARASIMHAN, S.V. Cation distribution and particle size effect on Raman spectrum of CoFe_2O_4 . In Journal of Solid State Chemistry 184 (2011) 89, WOS
- [1.1] CHEN, D. - ZHANG, Y.Z. - CHEN, B.Y. - KANG, Z.T. Coupling Effect of Microwave and Mechanical Forces during the Synthesis of Ferrite Nanoparticles by Microwave-Assisted Ball Milling. INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. ISSN 0888-5885, OCT 2 2013, vol. 52, no. 39, p. 14179-14184., WOS
- [1.1] CHEN, D. - ZHANG, Y.Z. - TU, C.J. Preparation of high saturation magnetic MgFe_2O_4 nanoparticles by microwave-assisted ball milling. MATERIALS LETTERS. ISSN 0167-577X, SEP 1 2012, vol. 82, p. 10-12., WOS
- [1.1] KOFERSTEIN, R. - WALTHER, T. - HESSE, D. - EBBINGHAUS, S.G. Preparation and characterization of nanosized magnesium ferrite powders by a starch-gel process and corresponding ceramics. JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, OCT 2013, vol. 48, no. 19, p. 6509-6518., WOS
- [1.1] MAHMOUD, M.H. - ELSHAHAWY, A.M. - MAKHLOUF, S.A. - HAMDEH, H.H. Mossbauer and magnetization studies of nickel ferrite nanoparticles synthesized by the microwave-combustion method. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, OCT 2013, vol. 343, p. 21-26., WOS
- [1.1] MANIKANDAN, A. - VIJAYA, J.J. - SUNDARARAJAN, M. -

MEGANATHAN, C. - KENNEDY, L.J. - BOUOUDINA, M. Optical and magnetic properties of Mg-doped ZnFe₂O₄ nanoparticles prepared by rapid microwave combustion method. SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, DEC 2013, vol. 64, p. 118-131., WOS

[1.1] MANIKANDAN, M. - MANIMUTHU, P. - VENKATESWARAN, C. Structural and Magnetic properties of MgFe₂O₄ Ceramic. OPTOELECTRONIC MATERIALS AND THIN FILMS (OMTAT 2013). ISSN 0094-243X, 2014, vol. 1576, p. 194-196., WOS

[1.1] MELAGIRIYAPPA, E. - VEENA, M. - SOMASHEKARAPPA, A. - SHANKARAMURTHY, G.J. - JAYANNA, H.S. Dielectric behavior and ac electrical conductivity in samarium substituted Mg-Ni ferrites. INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, AUG 2014, vol. 88, no. 8, p. 795-801., WOS

[1.1] MOCANU, Z.V. - AIRIMIOAEI, M. - CIOMAGA, C.E. - CURECHERIU, L. - TUDORACHE, F. - TASCU, S. - IORDAN, A.R. - PALAMARU, N.M. - MITOSERIU, L. Investigation of the functional properties of Mg_xNi_{1-x} Fe₂O₄ ceramics. JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, APR 2014, vol. 49, no. 8, p. 3276-3286., WOS

[1.1] MOUNKACHI, O. - HAMEDOUN, M. - BELAICHE, M. - BENYOUSSEF, A. - MASROUR, R. - EL MOUSSAOUI, H. - SAJIEDDINE, M. Synthesis and magnetic properties of ferrites spinels Mg_xCu_{1-x}Fe₂O₄. PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, JAN 1 2012, vol. 407, no. 1, p. 27-32., WOS

[1.1] OUNNUNKAD, K. - PHANICHPHANT, S. Cellulose-precursor synthesis of nanocrystalline Co_{0.5}Cu_{0.5}Fe₂O₄ spinel ferrites. MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, FEB 2012, vol. 47, no. 2, p. 473-477., WOS

[1.1] PRABHU, D. - NARAYANASAMY, A. - SHINODA, K. - JEYADEVEN, B. - GRENECHE, J.M. - CHATTOPADHYAY, K. Grain size effect on the phase transformation temperature of nanostructured CuFe₂O₄. JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, JAN 1 2011, vol. 109, no. 1., WOS

[1.1] RAHMAN, S. - NADEEM, K. - ANIS-UR-REHMAN, M. - MUMTAZ, M. - NAEEM, S. - LETOFSKY-PAPST, I. Structural and magnetic properties of ZnMg-ferrite nanoparticles prepared using the co-precipitation method. CERAMICS INTERNATIONAL. ISSN 0272-8842, JUL 2013, vol. 39, no. 5, p. 5235-5239., WOS

[1.1] TADI, R. - KIM, Y.I. - SARKAR, D. - KIM, C.G. - RYU, K.S. Magnetic and electrical properties of bulk BaTiO₃ + MgFeO₄ composite. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. 2011, vol. 323, p. 564, WOS

[1.1] TANGSALI, R.B. - BUDKULEY, J.S. - KELUSKAR, S.H. - NAIK, G.K. - WATAVE, S.C. High density nanoparticle Mn-Zn ferrite synthesis, characterisation and magnetic properties. INTERNATIONAL JOURNAL OF NANOTECHNOLOGY. ISSN 1475-7435, 2011, vol. 8, no. 10-12, SI, p. 948-962., WOS

[1.1] TANG, W.S. - SU, Y. - LI, Q. - GAO, S.A. - SHANG, J.K. Well-dispersed, ultrasmall, superparamagnetic magnesium ferrite nanocrystallites with controlled hydrophilicity/hydrophobicity and high saturation magnetization. RSC ADVANCES. ISSN 2046-2069, 2013, vol. 3, no. 33, p. 13961-13967.,

WOS

[1.1] THANKACHAN, S. - JACOB, B.P. - XAVIER, S. - MOHAMMED, E.M. Effect of samarium substitution on structural and magnetic properties of magnesium ferrite nanoparticles. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, DEC 2013, vol. 348, p. 140-145., WOS

[1.1] THANKACHAN, S. - JACOB, B.P. - XAVIER, S. - MOHAMMED, E.M. Effect of neodymium substitution on structural and magnetic properties of magnesium ferrite nanoparticles. PHYSICA SCRIPTA. ISSN 0031-8949, FEB 2013, vol. 87, no. 2., WOS

[1.1] YIN, Y.H. - ZHANG, B. - ZHANG, X.T. - XU, J.J. - YANG, S.T. Nano MgFe₂O₄ synthesized by sol-gel auto-combustion method as anode materials for lithium ion batteries. JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY. ISSN 0928-0707, JUN 2013, vol. 66, no. 3, p. 540-543., WOS

ADCA145 ŠEPELÁK, Vladimír - BERGMANN, Ingo - INDRIS, Silvio - FELDHOFF, Armin - HAHN, H. - BECKER, Klaus Dieter - GREY, Clare P. - HEITJANS, Paul. High-resolution ²⁷Al MAS NMR spectroscopic studies of the response of spinel aluminates to mechanical action. In *Journal of Materials Chemistry*, 2011, vol. 21, no. 23, p. 8332-8337. (5.101 - IF2010). (2011 - Current Contents). ISSN 0959-9428. Ohlasy:

[1.1] BAYAL, N. - JEEVANANDAM, P. Synthesis of metal aluminate nanoparticles by sol-gel method and studies on their reactivity. In *Journal of Alloys and Compounds* 516 (2012), 27, WOS

[1.1] WEDER, C. Mechanoresponsive materials. In *Journal of Materials Chemistry* 21 (2011), 8235., WOS

[1.2] DUAN, Xiulan - WANG, Xinqiang - YU, Fapeng - LIU, Xitao. Effects of Co content and annealing temperature on the structure and optical properties of Co_xMg_{1-x}Al₂O₄ nanoparticles. In *Materials Chemistry and Physics*. ISSN 02540584, 2012-12-14, 137, 2, pp. 652-659., SCOPUS

[1.2] GAUDON, M. - ROBERTSON, L. C. - LATASTE, E. - DUTTINE, M. - MÉNÉTRIER, M. - DEMOURGUES, A. Cobalt and nickel aluminate spinels: Blue and cyan pigments. In *Ceramics International*. ISSN 02728842, 2014-05-01, 40, 4, pp. 5201-5207., SCOPUS

[1.2] LUCIER, Bryan E G - JOHNSTON, Karen E. - ARNOLD, Donna C. - LEMYRE, Jean Luc - BEAUPRÉ, Ariane - BLANCHETTE, Maxime - RITCEY, Anna M. - SCHURKO, Robert W. Comprehensive solid-state characterization of rare earth fluoride nanoparticles. In *Journal of Physical Chemistry C*. ISSN 19327447, 2014-01-16, 118, 2, pp. 1213-1228., SCOPUS

[1.2] RAK, Monika J. - FRIŠČIĆ, Tomislav - MOORES, Audrey. Mechanochemical synthesis of Au, Pd, Ru and Re nanoparticles with lignin as a bio-based reducing agent and stabilizing matrix. In *Faraday Discussions*. ISSN 13596640, 2014-01-01, 170, pp. 155-167., SCOPUS

[1.2] URAKAEV, Farit Kh. Mechanochemical synthesis of nanoparticles by a dilution method: Derivation of kinetic equations. In *Mendeleev Communications*. ISSN 09599436, 2012-03-01, 22, 2, pp. 103-105., SCOPUS

ADCA146 ŠEPELÁK, Vladimír - STEINIKE, U. - UECKER, D.C. - TRETTIN, R. - WISSMANN, S. - BECKER, Klaus Dieter. High-temperature reactivity of mechanosynthesized zinc ferrite. In *Solid State Ionics : diffusion and reactions*,

1997, vol. 101-103, p. 1343. (1.510 - IF1996). (1997 - Current Contents). ISSN 0167-2738.

Ohlasy:

- [1.1] GHATAK, S. - SINHA, M. - MEIKAP, A.K. - PRADHAN, S.K. Anomalous electrical transport properties of nonstoichiometric nickel ferrite below room temperature. In MATERIALS RESEARCH BULLETIN vol. 46, 2011, p. 1055, WOS
- [1.1] KOMARNENI, Sridhar - HU, Weiwei - NOH, Young Dong - VAN ORDEN, Amanda - FENG, Shouhua - WEI, Chengzhen - PANG, Huan - GAO, Feng - LU, Qingyi - KATSUKI, Hiroaki. Magnetite syntheses from room temperature to 150 degrees C with and without microwaves. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2012, vol. 38, no. 3, pp. 2563., WOS
- [1.1] RISHIKESHI, Supriya N. - JOSHI, Satyawati S. - TEMGIRE, Mayur K. - BELLARE, Jayesh R. Chain length dependence of polyol synthesis of zinc ferrite nanoparticles: why is diethylene glycol so different? In DALTON TRANSACTIONS. ISSN 1477-9226, 2013, vol. 42, no. 15, pp. 5430., WOS
- [1.1] STEFANIC, Goran - KREHULA, Stjepko - STEFANIC, Ivka. The high impact of a milling atmosphere on steel contamination. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2013, vol. 49, no. 81, pp. 9245., WOS
- [1.1] YAO, Jinhuan - LI, Xuanhai - LI, Yanwei - LE, Shiru. Density Functional Theory Investigations on the Structure and Electronic Properties of Normal Spinel ZnFe₂O₄. In INTEGRATED FERROELECTRICS. ISSN 1058-4587, 2013, vol. 145, no. 1, pp. 17., WOS
- [1.2] NAM, Sung Chan - PARK, Sung Youl - YOON, Yeo Il - JEONG, Soon Kwan. CO₂ decomposition characteristics of Zn-ferrite powder prepared by hydrothermal and solid state reaction. In Applied Chemistry for Engineering. ISSN 12250112, 2011-10-01, 22, 5, pp. 555-561., SCOPUS
- [1.2] YE, Cha Liu - CHEN, Ding - LIU, Hong Yan. Study on synthesis of ZnFe₂O₄ nanocrystal by solid-liquid reaction ball milling assisted by ultrasonic. In Rengong Jingti Xuebao/Journal of Synthetic Crystals. ISSN 1000985X, 2011-02-01, 40, 1, pp. 132-138+149., SCOPUS

ADCA147 ŠEPELÁK, Vladimír - WISSMANN, S. - BECKER, Klaus Dieter. Magnetism of nanostructured mechanically activated and mechanosynthesized spinel ferrites. In *Journal of Magnetism and Magnetic Materials*, 1999, vol. 203, p. 135. (0.889 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

- [1.1] BALÁŽ, Peter - ACHIMOVICHOVÁ, Marcela - BALÁŽ, Matej - BILLIK, Peter - CHERKEZOVA-ZHELEVA, Zara - CRIADO, José Manuel - DELOGU, Francesco - DUTKOVÁ, Erika - GAFFET, Eric - GOTOR, Francisco José - KUMAR, Rakesh - MITOV, Ivan - ROJAC, Tadej - SENNA, Mamoru - STRELETSKII, Andrey - WIECZOREK-CIUROWA, Krystyna. Hallmarks of mechanochemistry: From nanoparticles to technology. In Chemical Society Reviews. ISSN 03060012, 2013-09-21, 42, 18, pp. 7571-7637., WOS
- [1.1] JOVALEKIC, Cedomir - NIKOLIC, Aleksandar S. - GRUDEN-PAVLOVIC, Maja - PAVLOVIC, Miodrag B. Mechano-chemical synthesis of stoichiometric nickel and nickel-zinc ferrite powders with Nicolson-Ross analysis of the absorption coefficients. In JOURNAL OF THE SERBIAN CHEMICAL SOCIETY. ISSN 0352-5139, 2012, vol. 77, no. 4, pp. 497., WOS

- [1.1] MARINCA, Ionel F. - CHICINAȘ, I. - ISNARD, O. - POP, V. Structural and magnetic properties of nanocrystalline ZnFe₂O₄ powder synthesized by reactive ball milling. In *Optoelectronics and Advanced Materials, Rapid Communications*. ISSN 18426573, 2011-01-01, 5, 1, pp. 39-43., WOS
- [1.1] MARINCA, Traian Florin - CHICINAȘ, Ionel - PRICĂ, V. C. - POPA, Florin - NEAMȚU, Bogdan Viorel. Zinc ferrite powder synthesized by high energy reactive ball milling. In *Materials Science Forum*. ISSN 02555476, 2011-02-04, 672, pp. 149-152., WOS
- [1.1] ŠTEFANIĆ, Goran - KREHULA, Stjepko - ŠTEFANIĆ, Ivka. The high impact of a milling atmosphere on steel contamination. In *Chemical Communications*. ISSN 13597345, 2013-10-18, 49, 81, pp. 9245-9247., WOS
- [1.1] YANG, Shuo - HAN, Donglai - WANG, Zhe - LIU, Yang - CHEN, Gang - LUAN, Hongmei - BAYANHESHIG - YANG, Lili. Synthesis and magnetic properties of ZnFe_{1.97}RE_{0.03}O₄ (RE = Eu and Nd) nanoparticles. In *MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING*. ISSN 1369-8001, 2014, vol. 27, no., pp. 854., WOS
- [1.1] YAO, J. H. - LI, X. H. - PAN, L. P. - MO, J. M. - WEN, Z. P. Investigations on indium and zinc leachabilities from indium-bearing zinc ferrite improved by planetary ball milling. In *Journal of Materials Engineering and Performance*. ISSN 10599495, 2013-01-01, 22, 5, pp. 1311-1318., WOS
- [1.1] YEARY, Lucas W. - MOON, Ji Won - RAWN, Claudia J. - LOVE, Lonnie J. - RONDINONE, Adam J. - THOMPSON, James R. - CHAKOUMAKOS, Bryan C. - PHELPS, Tommy J. Magnetic properties of bio-synthesized zinc ferrite nanoparticles. In *Journal of Magnetism and Magnetic Materials*. ISSN 03048853, 2011-12-01, 323, 23, pp. 3043-3048., WOS

ADCA148 ŠEPELÁK, Vladimír - BERGMANN, Ingo - MENZEL, D - FELDHOFF, Armin - HEITJANS, Paul - LITTERST, F.J. - BECKER, Klaus Dieter. Magnetization enhancement in nanosized MgFe₂O₄ prepared by mechanosynthesis. In *Journal of Magnetism and Magnetic Materials*, 2007, vol. 316, no. 2-spec. iss., p. e764-e767. (1.212 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

- [1.1] DA DALT, S. - TAKIMI, A. S. - VOLKMER, T. M. - SOUSA, V. C. - BERGMANN, C. P. Magnetic and Mossbauer behavior of the nanostructured MgFe₂O₄ spinel obtained at low temperature. In *POWDER TECHNOLOGY*. ISSN 0032-5910, 2011, vol. 210, no. 2, pp. 103., WOS
- [1.1] DEY, S. - DEY, S. K. - GHOSH, B. - REDDY, V. R. - KUMAR, S. Structural, microstructural, magnetic and hyperfine characterization of nanosized Ni_{0.5}Zn_{0.5}Fe₂O₄ synthesized by high energy ball-milling method. In *MATERIALS CHEMISTRY AND PHYSICS*. ISSN 0254-0584, 2013, vol. 138, no. 2-3, pp. 833., WOS
- [1.1] DEY, S. - DEY, S. K. - GHOSH, B. - DASGUPTA, P. - PODDAR, A. - REDDY, V. R. - KUMAR, S. Role of inhomogeneous cation distribution in magnetic enhancement of nanosized Ni_{0.35}Zn_{0.65}Fe₂O₄: A structural, magnetic, and hyperfine study. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2013, vol. 114, no. 9, pp., WOS
- [1.1] EBRAHIMI, S. A. Seyyed - MASOUDPANAH, S. M. - AMIRI, H. - YOUSEFZADEH, M. Magnetic properties of MnZn ferrite nanoparticles obtained by SHS and sol-gel autocombustion techniques. In *CERAMICS*

- INTERNATIONAL. ISSN 0272-8842, 2014, vol. 40, no. 5, pp. 6713., WOS
- [1.1] FERREIRA DA SILVA, M. G. - VALENTE, M. A. Magnesium ferrite nanoparticles inserted in a glass matrix-Microstructure and magnetic properties. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2012, vol. 132, no. 2-3, pp. 264., WOS
- [1.1] JAFFARI, G. Hassnain - CEYLAN, A. - BUI, Holt P. - BEEBE, Thomas P. - OZCAN, S. - SHAH, S. Ismat. Non-equilibrium cation distribution and enhanced spin disorder in hollow CoFe_2O_4 nanoparticles. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2012, vol. 24, no. 33, pp., WOS
- [1.1] JAFFARI, G. Hassnain - LIN, H. - RUMAIZ, A. K. - YASSITEPE, Emre - NI, C. - SHAH, S. Ismat. Comparative surface studies of oxygen passivated FeCo nanoparticles and thin films. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2013, vol. 210, no. 2, pp. 306., WOS
- [1.1] JEUN, Minhong - PARK, Sungwook - JANG, Gun Hyuk - LEE, Kwan Hyi. Tailoring $\text{Mg}_x\text{Mn}_{1-x}\text{Fe}_2\text{O}_4$ Superparamagnetic Nanoferrites for Magnetic Fluid Hyperthermia Applications. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2014, vol. 6, no. 19, pp. 16487., WOS
- [1.1] LI, Guangda - FENG, Shuying - ZHOU, Dali. Magnetic bioactive glass ceramic in the system $\text{CaO-P}_2\text{O}_5\text{-SiO}_2\text{-MgO-CaF}_2\text{-MnO}_2\text{-Fe}_2\text{O}_3$ for hyperthermia treatment of bone tumor. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE. ISSN 0957-4530, 2011, vol. 22, no. 10, pp. 2197., WOS
- [1.1] OUNNUNKAD, Kontad (Formerly Suriya) - PHANICHPHANT, Sukon. Cellulose-precursor synthesis of nanocrystalline $\text{Co}_{0.5}\text{Cu}_{0.5}\text{Fe}_2\text{O}_4$ spinel ferrites. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2012, vol. 47, no. 2, pp. 473., WOS
- [1.1] PUI, Aurel - GHERCA, Daniel - CORNEI, Nicoleta. Synthesis and characterization of MFe_2O_4 ($\text{M} = \text{Mg, Mn, Ni}$) nanoparticles. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2013, vol. 48, no. 4, pp. 1357., WOS
- [1.1] SHIROLKAR, Mandar M. - DAS, Raja - MAITY, Tuhin - PODDAR, Pankaj - KULKARNI, Sulabha K. Observation of Enhanced Dielectric Coupling and Room-Temperature Ferromagnetism in Chemically Synthesized $\text{BiFeO}_3\text{@SiO}_2$ Core-Shell Particles. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2012, vol. 116, no. 36, pp. 19503., WOS
- [1.1] TOMITAKA, Asahi - JEUN, Minhong - BAE, Seongtae - TAKEMURA, Yasushi. Evaluation of Magnetic and Thermal Properties of Ferrite Nanoparticles for Biomedical Applications. In JOURNAL OF MAGNETICS. ISSN 1226-1750, 2011, vol. 16, no. 2, pp. 164., WOS
- [1.2] DERAZ, N. M. - ALARIFI, A. Novel preparation and properties of magnesioferrite nanoparticles. In Journal of Analytical and Applied Pyrolysis. ISSN 01652370, 2012-09-01, 97, pp. 55-61., SCOPUS
- [1.2] GHERCA, Daniel - PUI, Aurel - CORNEI, Nicoleta - COJOCARIU, Alina - NICA, Valentin - CALTUN, Ovidiu. Synthesis, characterization and magnetic properties of MFe_2O_4 ($\text{M} = \text{Co, Mg, Mn, Ni}$) nanoparticles using ricin oil as capping agent. In Journal of Magnetism and Magnetic Materials. ISSN 03048853, 2012-11-01, 324, 22, pp. 3906-3911., SCOPUS
- [1.2] KÖSEOGLU, Yüksel - YILDIZ, Hayrettin - YILGIN, Resul. Synthesis,

characterization and superparamagnetic resonance studies of ZnFe₂O₄ nanoparticles. In *Journal of Nanoscience and Nanotechnology*. ISSN 15334880, 2012-07-03, 12, 3, pp. 2261-2269., SCOPUS

[1.2] PAVIČ, Luka - GRACA, Manuel P F - SKOKO, Željko - MOGUŠ-MILANKOVIČ, Andrea - VALENTE, Manuel A. Magnetic properties of iron phosphate glass and glass-ceramics. In *Journal of the American Ceramic Society*. ISSN 00027820, 2014-01-01, 97, 8, pp. 2517-2524., SCOPUS

ADCA149 ŠEPELÁK, Vladimír - TKÁČOVÁ, Klára - BOLDYREV, V - WISSMANN, S. - BECKER, Klaus Dieter. Mechanically induced cation redistribution in ZnFe₂O₄ and its thermal stability. In *Physica B: Condensed Matter*, 1997, vol. 234-236, p. 617. (0.864 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-4526.

Ohlasy:

[1.1] ANJANEYULU, T. - RAGHAVENDER, A. T. - KUMAR, K. Vijaya - MURTHY, P. Narayana - NARENDRA, K. Influence of zinc doping in nickel ferrite nanoparticles synthesized by using an oxalic-acid-based precursor method. In *JOURNAL OF THE KOREAN PHYSICAL SOCIETY*. ISSN 0374-4884, 2013, vol. 62, no. 8, pp. 1114., WOS

[1.1] BELLUCCI, F. S. - SALMAZO, L. O. - BUDEMBERG, E. R. - DA SILVA, M. R. - RODRIGUEZ-PEREZ, M. A. - NOBRE, M. A. L. - JOB, A. E. Preparation and Structural Characterization of Vulcanized Natural Rubber Nanocomposites Containing Nickel-Zinc Ferrite Nanopowders. In *JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY*. ISSN 1533-4880, 2012, vol. 12, no. 3, pp. 2691., WOS

[1.1] FENG LIANRONG - HU FENG Tian - LIU CHENGBAO - CHEN FENG - XU NAN - LIU SHOUQING - CHEN ZHIGANG. Photocatalytic Properties of Activated Carbon-NiFe₂O₄ Magnetic Catalyst. In *CHINESE JOURNAL OF CATALYSIS*. ISSN 0253-9837, 2012, vol. 33, no. 8, pp. 1417., WOS

[1.1] HE, Hai-Yan. Structural and Magnetic Property of Co_{1-x}Ni_xFe₂O₄ Nanoparticles Synthesized by Hydrothermal Method. In *INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY*. ISSN 1546-542X, 2014, vol. 11, no. 4, pp. 626., WOS

[1.1] HE, H.Y. - HUANG, J.F. - FEI, J. - LU, J. - LIU, T.T. Synthesis Temperature Effect on the Magnetic Properties of Co_{1-x}Zn_xFe₂O₄ Nanoparticles Synthesized by a Hydrothermal Method. In *JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS*. ISSN 1555-130X, 2014, vol. 9, no. 1, pp. 128., WOS

[1.1] KOOTI, M. - SEDEH, A. Naghdi. Synthesis and Characterization of NiFe₂O₄ Magnetic Nanoparticles by Combustion Method. In *JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY*. ISSN 1005-0302, 2013, vol. 29, no. 1, pp. 34., WOS

[1.1] LAOKUL, P. - AMORNKITBAMRUNG, V. - SERAPHIN, S. - MAENSIRI, S. Characterization and magnetic properties of nanocrystalline CuFe₂O₄, NiFe₂O₄, ZnFe₂O₄ powders prepared by the Aloe vera extract solution. *Current Applied Physics* 11 (2011), 101, WOS

[1.1] LAZAREVIC, Z. Z. - JOVALEKIC, C. - MILUTINOVIC, A. - SEKULIC, D. - IVANOVSKI, V. N. - RECNIK, A. - CEKIC, B. - ROMCEVIC, N. Z. Nanodimensional spinel NiFe₂O₄ and ZnFe₂O₄ ferrites prepared by soft mechanochemical synthesis. In *JOURNAL OF APPLIED PHYSICS*. ISSN

0021-8979, 2013, vol. 113, no. 18, pp., WOS

[1.1] MOZAFFARI, M. - MASOUDI, H. Zinc Ferrite Nanoparticles: New Preparation Method and Magnetic Properties. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2014, vol. 27, no. 11, pp. 2563., WOS

[1.1] NAWALE, A.B. - KANHE, N.S. - PATIL, K.R. - BHORASKAR, S.V. - MATHE, V.L. - DAS, A.K. Magnetic properties of thermal plasma synthesized nanocrystalline nickel ferrite (NiFe₂O₄). In Journal of Alloys and Compounds 509 (2011), 4404., WOS

[1.1] TAN, Jie - ZHANG, Wei - XIA, Ai-Lin. Facile Synthesis of Inverse Spinel NiFe₂O₄ Nanocrystals and their Superparamagnetic Properties. In MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS. ISSN 1516-1439, 2013, vol. 16, no. 1, pp. 237., WOS

[1.1] YAO, Jinhuan - LI, Xuanhai - PAN, Liuping - MO, Jiamei. Enhancing Physicochemical Properties and Indium Leachability of Indium-Bearing Zinc Ferrite Mechanically Activated Using Tumbling Mill. In METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE. ISSN 1073-5615, 2012, vol. 43, no. 3, pp. 449., WOS

[1.1] YAO, J. H. - LI, X. H. - PAN, L. P. - MO, J. M. - WEN, Z. P. Investigations on Indium and Zinc Leachabilities from Indium-Bearing Zinc Ferrite Improved by Planetary Ball Milling. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2013, vol. 22, no. 5, pp. 1311., WOS

[1.1] YU, B.Y. - KWAK, S.Y. Self-assembled mesoporous Co and Ni-ferrite spherical clusters consisting of spinel nanocrystals prepared using a template-free approach. In Dalton Transactions 40 (2011), 9989, WOS

[1.1] ZHANG, Zhigang - LIU, Yihan - YAO, Guangchun - ZU, Guoyin - ZHANG, Xiao - MA, Junfei. Solid-state reaction synthesis of NiFe₂O₄ nanoparticles by optimizing the synthetic conditions. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2012, vol. 45, no., pp. 122., WOS

[1.2] GUSKOS, N. Low concentration magnetic nanoparticle and localized magnetic centers in different materials: studies by FMR/EPR method. In Journal of Achievements in Materials and Manufacturing Engineering 54 (2012), 25, SCOPUS

[1.2] KARPOVA, T. S. - VASIL'EV, V. G. - VLADIMIROVA, E. V. - NOSOV, A. P. Synthesis of ferrite spinel nife 2o 4 by thermal hydrolysis and its magnetic properties. In Inorganic Materials: Applied Research. ISSN 20751133, 2012-04-01, 3, 2, pp. 107-112., SCOPUS

[1.2] NILMOUNG, S. - RUGMAI, S. - MAENSIRI, S. Fabrication, structure, and magnetic properties of carbon/nickel ferrite (NiFe₂O₄) composite nanofibers. In ICCM International Conferences on Composite Materials, 2011-12-01, pp., SCOPUS

[1.2] VARMA, M. Chaitanya - CHOUDARY, Gsvrk - KUMAR, A. Mahesh - RAO, K. H. Estimating the cation distributions in Ni_{0.65}-xZn_{0.35}CoxFe₂O₄ ferrites using X-ray, FT-IR, and magnetization measurements. In Physics Research International. ISSN 1687689X, 2014-01-01, 2014, pp., SCOPUS

ADCA150 ŠEPELÁK, Vladimír - BAABE, D. - BECKER, Klaus Dieter. Mechanically induced cation redistribution and spin canting in nickel ferrite. In *Journal of Materials Synthesis and Processing*, 2000, vol. 8, p. 333. (0.490 - IF1999). (2000 - WOS, SCOPUS). ISSN 1064-7562.

Ohlasy:

[1.1] LAZAREVIC, Z. Z. - JOVALEKIC, C. - RECNIK, A. - IVANOVSKI, V. N. - MILUTINOVIC, A. - ROMCEVIC, M. - PAVLOVIC, M. B. - CEKIC, B. - ROMCEVIC, N. Z. Preparation and characterization of spinel nickel ferrite obtained by the soft mechanochemically assisted synthesis. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2013, vol. 48, no. 2, pp. 404., WOS

[1.1] MARINCA, Traian Florin - CHICINAŞ, Ionel - PRICĂ, V. C. - POPA, Florin. Nickel ferrite powder obtained by high energy reactive ball milling. In Materials Science Forum. ISSN 02555476, 2011-02-07, 672, pp. 145-148., WOS

[1.1] MARINCA, T. F. - CHICINAS, I. - ISNARD, O. - POP, V. - POPA, F. Synthesis, structural and magnetic characterization of nanocrystalline nickel ferrite-NiFe₂O₄ obtained by reactive milling. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2011, vol. 509, no. 30, pp. 7931., WOS

[1.1] PRABHU, D. - NARAYANASAMY, A. - SHINODA, K. - JEYADEVEN, B. - GRENECHE, J.M. - CHATTOPADHYAY, K. Grain size effect on the phase transformation temperature of nanostructured CuFe₂O₄. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2011, vol. 109, no. 1, pp., WOS

[1.2] SIVAKUMAR, P. - RAMESH, R. - RAMANAND, A. - PONNUSAMY, S. - MUTHAMILCHELVAN, C. A comparative study on PVA and PVP capped NiFe₂O₄ nanoparticles. In AIP Conference Proceedings. ISSN 0094243X, 2011-08-08, 1347, pp. 297-300., SCOPUS

ADCA151 ŠEPELÁK, Vladimír - SCHULTZE, D. - KRUMEICH, F. - STEINIKE, U. - BECKER, Klaus Dieter. Mechanically induced cation redistribution in magnesium ferrite and its thermal stability. In *Solid State Ionics : diffusion and reactions*, 2001, vol., 141-142, p. 677-682. ISSN 0167-2738.

Ohlasy:

[1.1] BLANCO-GUTIERREZ, V. - GALLASTEGUI, J. A. - BONVILLE, Pierre - TORRALVO-FERNANDEZ, Maria J. - SAEZ-PUCHE, R. MFe₂O₄ (M: Co²⁺, Ni²⁺) Nanoparticles: Mossbauer and X-ray Absorption Spectroscopies Studies and High-Temperature Superparamagnetic Behavior. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2012, vol. 116, no. 45, pp. 24331., WOS

[1.1] COSTA, A.F. - PIMENTEL, P.M. - AQUINO, F.M. - MELO, D.M.A. - MELO, M.A.F. - SANTOS, I.M.G. Gelatin synthesis of CuFe₂O₄ and CuFeCrO₄ ceramic pigments. In Materials Letters 112, (2013) p. 58-61, WOS

[1.1] GAO, P. - HUA, X. - DEGIRMENCI, V. - ROONEY, D. - KHRAISHEH, M. - POLLARD, R. - BOWMAN, R.M. - REBROV, E.V. Structural and magnetic properties of Ni_{1-x}Zn_xFe₂O₄ (x=0,0.5 and 1) nanopowders prepared by sol-gel method. In Journal of Magnetism and Magnetic Materials 348, (2013) p. 44-50, WOS

[1.1] CHENG, K.Y. - JO, C.Y. - KIM, D.H. - JIN, T. - HU, Z.Q. Unexpected precipitation of a Re- rich phase in single crystal superalloy CMSX-4 during thermal exposure. In Journal of Metallurgy 2012 (2012), 308568, WOS

[1.1] CHICINAS, I. - MARINCA, T. F. - NEAMTU, B. V. - POPA, F. -

- ISNARD, O. Nanocrystalline/nanosized mixed nickel-manganese ferrites obtained by mechanical milling. In *ADVANCED MATERIALS AND STRUCTURES V*. ISSN 1012-0394, 2014, vol. 216, no., pp. 243., WOS
- [1.1] LAZAREVIC, Z. Z. - JOVALEKIC, C. - MILUTINOVIC, A. - SEKULIC, D. - IVANOVSKI, V. N. - RECNIK, A. - CEKIC, B. - ROMCEVIC, N. Z. Nanodimensional spinel NiFe_2O_4 and ZnFe_2O_4 ferrites prepared by soft mechanochemical synthesis. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2013, vol. 113, no. 18, pp., WOS
- [1.1] MAHMOUD, M. H. - ELSHAHAWY, A. M. - MAKHLOUF, Salah A. - HAMDEH, H. H. Mossbauer and magnetization studies of nickel ferrite nanoparticles synthesized by the microwave-combustion method. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2013, vol. 343, no., pp. 21., WOS
- [1.1] MORUP, Steen - RASMUSSEN, Helge K. - BROK, Erik - KELLER, Lukas - FRANDSEN, Cathrine. Influence of cation disorder on the magnetic properties of ball-milled ilmenite (FeTiO_3). In *MATERIALS CHEMISTRY AND PHYSICS*. ISSN 0254-0584, 2012, vol. 136, no. 1, pp. 184., WOS
- [1.1] OLHERO, Susana M. - SOMA, Das - AMARAL, Vitor S. - BUTTON, Tim W. - ALVES, Fernando J. - FERREIRA, Jose M. F. Co-precipitation of a Ni-Zn ferrite precursor powder: Effects of heat treatment conditions and deagglomeration on the structure and magnetic properties. In *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*. ISSN 0955-2219, 2012, vol. 32, no. 10, pp. 2469., WOS
- [1.1] PACHPINDE, A. M. - LANGADE, M. M. - LOHAR, K. S. - PATANGE, S. M. - SHIRSATH, Sagar E. Impact of larger rare earth Pr^{3+} ions on the physical properties of chemically derived $\text{Pr}_x\text{CoFe}_{2-x}\text{O}_4$ nanoparticles. In *CHEMICAL PHYSICS*. ISSN 0301-0104, 2014, vol. 429, no., pp. 20., WOS

ADCA152 ŠEPELÁK, Vladimír - DÜVEL, A. - WILKENING, Martin - BECKER, Klaus Dieter - HEITJANS, Paul. Mechanochemical reactions and syntheses of oxides. In *Chemical Society Reviews*, 2013, vol. 42, no.18, 7507-7520. (24.892 - IF2012). (2013 - Current Contents). ISSN 0306-0012.

Ohlasy:

- [1.1] BALAZ, Matej - BALAZ, Peter - SAYAGUES, Maria J. - ZORKOVSKA, Anna. Bio-inspired mechanochemical synthesis of semiconductor nanomaterial using eggshell membrane. In *MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING*. ISSN 1369-8001, 2013, vol. 16, no. 6, pp. 1899., WOS
- [1.1] BALAZ, Peter - BALAZ, Matej - CAPLOVICOVA, Maria - ZORKOVSKA, Anna - CAPLOVIC, Lubomir - PSOTKA, Miroslav. The dual role of sulfur-containing amino acids in the synthesis of IV-VI semiconductor nanocrystals: a mechanochemical approach. In *FARADAY DISCUSSIONS*. ISSN 1359-6640, 2014, vol. 170, no., pp. 169., WOS
- [1.1] BALAZ, P. - BALAZ, M. - ACHIMOVICOVA, M. - BUJNAKOVA, Z. - DUTKOVA, E. Mechanochemistry of Solids: New Prospects for Extractive Metallurgy, Materials Science and Medicine. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, 2014, vol. 126, no. 4, pp. 879., WOS
- [1.1] BELENGUER, Ana M. - LAMPRONTI, Giulio I. - WALES, David J. - SANDERS, Jeremy K. M. Direct Observation of Intermediates in a Thermodynamically Controlled Solid-State Dynamic Covalent Reaction. In

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2014, vol. 136, no. 46, pp. 16156., WOS

[1.1] CINCIC, Dominik - FRISCIC, Tomislav. Synthesis of an extended halogen-bonded metal-organic structure in a one-pot mechanochemical reaction that combines covalent bonding, coordination chemistry and supramolecular synthesis. In CRYSTENGCOMM. ISSN 1466-8033, 2014, vol. 16, no. 44, pp. 10169., WOS

[1.1] FERGUSON, Michael - GIRI, Nicola - HUANG, Xu - APPERLEY, David - JAMES, Stuart L. One-pot two-step mechanochemical synthesis: ligand and complex preparation without isolating intermediates. In GREEN CHEMISTRY. ISSN 1463-9262, 2014, vol. 16, no. 3, pp. 1374., WOS

[1.1] GAWANDE, Manoj B. - HOSSEINPOUR, Reza - LUQUE, Rafael. Silica Sulfuric Acid and Related Solid-supported Catalysts as Versatile Materials for Greener Organic Synthesis. In CURRENT ORGANIC SYNTHESIS. ISSN 1570-1794, 2014, vol. 11, no. 4, pp. 526., WOS

[1.1] GRACIN, Davor - STRUKIL, Vjekoslav - FRISCIC, Tomislav - HALASZ, Ivan - UZAREVIC, Krunoslav. Laboratory Real-Time and In Situ Monitoring of Mechanochemical Milling Reactions by Raman Spectroscopy. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2014, vol. 53, no. 24, pp. 6193., WOS

[1.1] HALASZ, Ivan - FRISCIC, Tomislav - KIMBER, Simon A. J. - UZAREVIC, Krunoslav - PUSKARIC, Andreas - MOTTILLO, Cristina - JULIEN, Patrick - STRUKIL, Vjekoslav - HONKIMAEKI, Veijo - DINNEBIER, Robert E. Quantitative in situ and real-time monitoring of mechanochemical reactions. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, no., pp. 203., WOS

[1.1] CHURCH, Derek C. - PETERSON, Gregory I. - BOYDSTON, Andrew J. Comparison of Mechanochemical Chain Scission Rates for Linear versus Three-Arm Star Polymers in Strong Acoustic Fields. In ACS MACRO LETTERS. ISSN 2161-1653, 2014, vol. 3, no. 7, pp. 648., WOS

[1.1] CHURCH, D.C. - PETERSON, G.I. - BOYDSTON, A.J. Comparison of mechanochemical chain scission rates for linear versus three-arm star polymers in strong acoustic fields. In ACS Macro Letters 3 (7), (2014), 648-651, WOS

[1.1] JONES, William - EDDLESTON, Mark D. Introductory Lecture: Mechanochemistry, a versatile synthesis strategy for new materials. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, no., pp. 9., WOS

[1.1] JURIBASIC, Marina - UZAREVIC, Krunoslav - GRACIN, Davor - CURIC, Manda. Mechanochemical C-H bond activation: rapid and regioselective double cyclopalladation monitored by in situ Raman spectroscopy. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2014, vol. 50, no. 71, pp. 10287., WOS

[1.1] KUMAR, S. Girish - RAO, K. S. R. Koteswara. Polymorphic phase transition among the titania crystal structures using a solution-based approach: from precursor chemistry to nucleation process. In NANOSCALE. ISSN 2040-3364, 2014, vol. 6, no. 20, pp. 11574., WOS

[1.1] LI, Xiaoyu - FU, Liangjie - LIU, Tiancheng - YANG, Huaming. MECHANOCHEMICAL SYNTHESIS OF NiO NANOPARTICLES: INSIGHT INTO THE NATURE OF PREFERRED GROWTH ORIENTATION. In NANO. ISSN 1793-2920, 2014, vol. 9, no. 4, pp., WOS

- [1.1] MA, Xiaohe - YUAN, Wenbing - BELL, Steven E. J. - JAMES, Stuart L. Better understanding of mechanochemical reactions: Raman monitoring reveals surprisingly simple & 'pseudo-fluid' model for a ball milling reaction. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2014, vol. 50, no. 13, pp. 1585., WOS
- [1.1] NOMURA, Kiyoshi - TAYA, Souichirou - OKAZAWA, Atsushi - KOJIMA, Norimichi. Sol-gel synthesis and dilute magnetism of nano MgO powder doped with Fe. In HYPERFINE INTERACTIONS. ISSN 0304-3843, 2014, vol. 226, no. 1-3, pp. 161., WOS
- [1.1] RAK, Monika J. - FRISCIC, Tomislav - MOORES, Audrey. Mechanochemical synthesis of Au, Pd, Ru and Re nanoparticles with lignin as a bio-based reducing agent and stabilizing matrix. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, no., pp. 155., WOS
- [1.1] SENNA, Mamoru. Solid State Mechanochemical Processes for Better Electroceramics. In ACTA CHIMICA SLOVENICA. ISSN 1318-0207, 2014, vol. 61, no. 3, pp. 425., WOS
- [1.1] SHERAFAT, Z. - ANTUNES, I. - ALMEIDA, C. - FRADE, J. R. - PAYDAR, M. H. - MATHER, G. C. - FAGG, D. P. Enhanced BaZrO₃ mechanosynthesis by the use of metastable ZrO₂ precursors. In DALTON TRANSACTIONS. ISSN 1477-9226, 2014, vol. 43, no. 24, pp. 9324., WOS
- [1.1] STOLLE, Achim - SCHMIDT, Robert - JACOB, Katharina. Scale-up of organic reactions in ball mills: process intensification with regard to energy efficiency and economy of scale. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, no., pp. 267., WOS
- [1.1] WANG, Xue Lu - FANG, Wen Qi - YANG, Shuang - LIU, Pengfei - ZHAO, Huijun - YANG, Hua Gui. Structure disorder of graphitic carbon nitride induced by liquid-assisted grinding for enhanced photocatalytic conversion. In RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 21, pp. 10676., WOS
- [1.1] ZHU, Junjiang - LI, Hailong - ZHONG, Linyun - XIAO, Ping - XU, Xuelian - YANG, Xiangguang - ZHAO, Zhen - LI, Jinlin. Perovskite Oxides: Preparation, Characterizations, and Applications in Heterogeneous Catalysis. In ACS CATALYSIS. ISSN 2155-5435, 2014, vol. 4, no. 9, pp. 2917., WOS

ADCA153 ŠEPELÁK, Vladimír - MENZEL, M. - BECKER, Klaus Dieter - KRUMEICH, F. Mechanochemical reduction of magnesium ferrite. In *Journal of Physical Chemistry B*, 2002, vol. B 106, p. 6672. (3.386 - IF2001). ISSN 1520-6106.

Ohlasy:

- [1.1] BOLARÍN-MIRÓ, A.M. - VERA-SERNA, P. - SÁNCHEZ-DE JESÚS, F. - CORTÉS-ESCOBEDO, C.A. - MARTÍNEZ-LUEVANOS, A. Mechanochemical synthesis and magnetic characterization of nanocrystalline manganese ferrites. In *Journal of Materials Science* 22 (2011), 1046, WOS
- [1.1] DOMINGUES, E. M. - TSIPIIS, E. V. - YAREMCHENKO, A. A. - FIGUEIREDO, F. M. - WAERENBORGH, J. C. - KOVALEVSKY, A. V. - FRADE, J. R. Redox stability and electrical conductivity of Fe_{2.3}Mg_{0.7}O₄ +/-delta spinel prepared by mechanochemical activation. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2013, vol. 33, no. 7, pp. 1307., WOS
- [1.1] MARINCA, Traian F. - CHICINAS, Ionel - ISNARD, Olivier - POPESCU, Violeta. Nanocrystalline/Nanosized Ni¹⁺-gamma Fe²⁺-gamma O₄ Ferrite Obtained by Contamination with Fe During Milling of NiOFe₂O₃

Mixture. Structural and Magnetic Characterization. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2013, vol. 96, no. 2, pp. 469., WOS

[1.1] SÁNCHEZ-DE JESÚS, F. - CORTÉS, C.A. - VALENZUELA, R. - AMMAR, S. -BOLARÍN-MIRÓ, A.M. Synthesis of Y₃Fe₅O₁₂ (YIG) assisted by high-energy ball milling. In Ceramics International 38 (2012), 5257, WOS

[1.2] KHOT, V. M. - SALUNKHE, A. B. - THORAT, N. D. - NINGTHOUJAM, R. S. - PAWAR, S. H. Induction heating studies of dextran coated MgFe₂O₄ nanoparticles for magnetic hyperthermia. In Dalton Transactions. ISSN 14779226, 2013-01-28, 42, 4, pp. 1249-1258., SCOPUS

ADCA154 ŠEPELÁK, Vladimír - MYNDYK, Maksym - FABIÁN, Martin - DA SILVA, K. L. - FELDHOFF, Armin - MENZEL, Dirk - GHAFARI, Mohammad - HAHN, Horst - HEITJANS, Paul - BECKER, Klaus Dieter. Mechanochemical synthesis of nanocrystalline fayalite, Fe₂SiO₄. In *Chemical Communication*, 2012, vol. 48, no. 40, p. 11121-11123. (6.169 - IF2011). (2012 - Current Contents). ISSN 1359-7345. Ohlasy:

[1.1] BALAZ, M. - BALAZ, P. - SAYAGUES, M.J. - ZORKOVSKA, A. Bio-inspired mechanochemical synthesis of semiconductor nanomaterial using eggshell membrane. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, DEC 2013, vol. 16, no. 6, p. 1899-1903., WOS

[1.1] BALAZ, Peter - ACHIMOVICOVA, Marcela - BALAZ, Matej - BILLIK, Peter - CHERKEZOVA-ZHELEVA, Zara - MANUEL CRIADO, Jose - DELOGU, Francesco - DUTKOVA, Erika - GAFFET, Eric - JOSE GOTOR, Francisco - KUMAR, Rakesh - MITOV, Ivan - ROJAC, Tadej - SENNA, Mamoru - STRELETSKII, Andrey - WIECZOREK-CIUROWA, Krystyna. Hallmarks of mechanochemistry: from nanoparticles to technology. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2013, vol. 42, no. 18, pp. 7571., WOS

[1.1] BALAZ, P. - BALAZ, M. - ACHIMOVICOVA, M. - BUJNAKOVA, Z. - DUTKOVA, E. Mechanochemistry of Solids: New Prospects for Extractive Metallurgy, Materials Science and Medicine. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, OCT 2014, vol. 126, no. 4, p. 879-883., WOS

[1.1] BALAZ, P. - BALAZ, M. - CAPLOVICOVA, M. - ZORKOVSKA, A. - CAPLOVIC, L. - PSOTKA, M. The dual role of sulfur-containing amino acids in the synthesis of IV-VI semiconductor nanocrystals: a mechanochemical approach. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 169-179., WOS

[1.1] BELENGUER, A.M. - LAMPRONTI, G.I. - WALES, D.J. - SANDERS, J.K.M. Direct Observation of Intermediates in a Thermodynamically Controlled Solid-State Dynamic Covalent Reaction. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, NOV 19 2014, vol. 136, no. 46, p. 16156-16166., WOS

[1.1] CINCIC, D. - FRISCIC, T. Synthesis of an extended halogen-bonded metal-organic structure in a one-pot mechanochemical reaction that combines covalent bonding, coordination chemistry and supramolecular synthesis. In CRYSTENGCOMM. ISSN 1466-8033, 2014, vol. 16, no. 44, p. 10169-10172., WOS

[1.1] EPP, V. - WILKENING, M. Motion of Li⁺ in Nanoengineered LiBH₄

and $\text{LiBH}_4\text{:Al}_2\text{O}_3$ Comparison with the Microcrystalline Form. In CHEMPHYSICHEM. ISSN 1439-4235, NOV 11 2013, vol. 14, no. 16, p. 3706-3713., WOS

[1.1] FERGUSON, M. - GIRI, N. - HUANG, X. - APPERLEY, D. - JAMES, S.L. One-pot two-step mechanochemical synthesis: ligand and complex preparation without isolating intermediates. In GREEN CHEMISTRY. ISSN 1463-9262, 2014, vol. 16, no. 3, p. 1374-1382., WOS

[1.1] GAWANDE, M.B. - HOSSEINPOUR, R. - LUQUE, R. Silica Sulfuric Acid and Related Solid-supported Catalysts as Versatile Materials for Greener Organic Synthesis. In CURRENT ORGANIC SYNTHESIS. ISSN 1570-1794, 2014, vol. 11, no. 4, p. 526-544., WOS

[1.1] GRACIN, D. - STRUKIL, V. - FRISCIC, T. - HALASZ, I. - UZAREVIC, K. Laboratory Real-Time and In Situ Monitoring of Mechanochemical Milling Reactions by Raman Spectroscopy. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, JUN 2014, vol. 53, no. 24, p. 6193-6197., WOS

[1.1] HALASZ, I. - FRISCIC, T. - KIMBER, S.A.J. - UZAREVIC, K. - PUSKARIC, A. - MOTTILLO, C. - JULIEN, P. - STRUKIL, V. - HONKIMAKI, V. - DINNEBIER, R.E. Quantitative in situ and real-time monitoring of mechanochemical reactions. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 203-221., WOS

[1.1] CHURCH, D.C. - PETERSON, G.I. - BOYDSTON, A.J. Comparison of Mechanochemical Chain Scission Rates for Linear versus Three-Arm Star Polymers in Strong Acoustic Fields. In ACS MACRO LETTERS. ISSN 2161-1653, JUL 2014, vol. 3, no. 7, p. 648-651., WOS

[1.1] JAMES, Stuart L. - FRISCIC, Tomislav. Mechanochemistry. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2013, vol. 42, no. 18, pp. 7494., WOS

[1.1] JONES, W. - EDDLESTON, M.D. Introductory Lecture: Mechanochemistry, a versatile synthesis strategy for new materials. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 9-34., WOS

[1.1] JURIBASIC, M. - UZAREVIC, K. - GRACIN, D. - CURIC, M. Mechanochemical C-H bond activation: rapid and regioselective double cyclopalladation monitored by in situ Raman spectroscopy. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2014, vol. 50, no. 71, p. 10287-10290., WOS

[1.1] KUMAR, S.G. - RAO, K.S.R.K. Polymorphic phase transition among the titania crystal structures using a solution-based approach: from precursor chemistry to nucleation process. In NANOSCALE. ISSN 2040-3364, 2014, vol. 6, no. 20, p. 11574-11632., WOS

[1.1] LI, X.Y. - FU, L.J. - LIU, T.C. - YANG, H.M. MECHANOCHEMICAL SYNTHESIS OF NiO NANOPARTICLES: INSIGHT INTO THE NATURE OF PREFERRED GROWTH ORIENTATION. In NANO. ISSN 1793-2920, JUN 2014, vol. 9, no. 4., WOS

[1.1] MA, X.H. - YUAN, W.B. - BELL, S.E.J. - JAMES, S.L. Better understanding of mechanochemical reactions: Raman monitoring reveals surprisingly simple 'pseudo-fluid' model for a ball milling reaction. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2014, vol. 50, no. 13, p. 1585-1587., WOS

[1.1] NOMURA, K. - TAYA, S. - OKAZAWA, A. - KOJIMA, N. Sol-gel

synthesis and dilute magnetism of nano MgO powder doped with Fe. In HYPERFINE INTERACTIONS. ISSN 0304-3843, APR 2014, vol. 226, no. 1-3, p. 161-169., WOS

[1.1] PREISHUBER-PFLUGL, F. - WILKENING, M. Evidence of low dimensional ion transport in mechanosynthesized nanocrystalline BaMgF₄. In DALTON TRANSACTIONS. ISSN 1477-9226, 2014, vol. 43, no. 26, p. 9901-9908., WOS

[1.1] PREISHUBER-PFLUGL, F. - BOTTKE, P. - PREGARTNER, V. - BITSCHNAU, B. - WILKENING, M. Correlated fluorine diffusion and ionic conduction in the nanocrystalline F- solid electrolyte Ba_{0.6}La_{0.4}F_{2.4}-(FT1(p))-F-19 NMR relaxation vs. conductivity measurements. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2014, vol. 16, no. 20, p. 9580-9590., WOS

[1.1] RAK, M.J. - FRISCIC, T. - MOORES, A. Mechanochemical synthesis of Au, Pd, Ru and Re nanoparticles with lignin as a bio-based reducing agent and stabilizing matrix. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 155-167., WOS

[1.1] SENNA, M. Solid State Mechanochemical Processes for Better Electroceramics. In ACTA CHIMICA SLOVENICA. ISSN 1318-0207, 2014, vol. 61, no. 3, p. 425-431., WOS

[1.1] SHERAFAT, Z. - ANTUNES, I. - ALMEIDA, C. - FRADE, J.R. - PAYDAR, M.H. - MATHER, G.C. - FAGG, D.P. Enhanced BaZrO₃ mechanosynthesis by the use of metastable ZrO₂ precursors. In DALTON TRANSACTIONS. ISSN 1477-9226, 2014, vol. 43, no. 24, p. 9324-9333., WOS

[1.1] STOLLE, A. - SCHMIDT, R. - JACOB, K. Scale-up of organic reactions in ball mills: process intensification with regard to energy efficiency and economy of scale. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 267-286., WOS

[1.1] WANG, X.L. - FANG, W.Q. - YANG, S. - LIU, P.F. - ZHAO, H.J. - YANG, H.G. Structure disorder of graphitic carbon nitride induced by liquid-assisted grinding for enhanced photocatalytic conversion. In RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 21, p. 10676-10679., WOS

[1.1] ZHANG, Qingtang - GE, Songwang - XUE, Hongtao - WANG, Xiaomei - SUN, Hanxue - LI, An. Fabrication of a fayalite@C nanocomposite with superior lithium storage for lithium ion battery anodes. In RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 102, pp. 58260., WOS

[1.1] ZHU, J.J. - LI, H.L. - ZHONG, L.Y. - XIAO, P. - XU, X.L. - YANG, X.G. - ZHAO, Z. - LI, J.L. Perovskite Oxides: Preparation, Characterizations, and Applications in Heterogeneous Catalysis. In ACS CATALYSIS. ISSN 2155-5435, SEP 2014, vol. 4, no. 9, p. 2917-2940., WOS

ADCA155 ŠEPELÁK, Vladimír - BECKER, Klaus Dieter. Mössbauer studies in the mechanochemistry of spinel ferrites. In *Journal of Materials Synthesis and Processing*, 2000, vol. 8, p. 155. (0.490 - IF1999). (2000 - WOS, SCOPUS). ISSN 1064-7562.

Ohlasy:

[1.1] KÖSEOĞLU, Yüksel. Rapid synthesis of nanocrystalline NiFe₂O₄ and CoFe₂O₄ powders by a microwave-assisted combustion method. In *Journal of Superconductivity and Novel Magnetism*. ISSN 15571939, 2013-04-01, 26, 4, pp. 1391-1396., WOS

- [1.1] LAZAREVIĆ, Z. Ž - JOVALEKIĆ, Č - RECNIK, A. - IVANOVSKI, V. N. - MITRIĆ, M. - ROMČEVIĆ, M. J. - PAUNOVIĆ, N. - CEKIĆ, B. D. - ROMČEVIĆ, N. Ž. Study of manganese ferrite powders prepared by a soft mechanochemical route. In *Journal of Alloys and Compounds*. ISSN 09258388, 2011-10-13, 509, 41, pp. 9977-9985., WOS
- [1.1] TAN, Muhammed - KÖSEOĞLU, Yüksel - ALAN, Furkan - ŞENTÜRK, Erdoğan. Overlapping large polaron tunneling conductivity and giant dielectric constant in $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_{1.5}\text{Cr}_{0.5}\text{O}_4$ nanoparticles (NPs). In *Journal of Alloys and Compounds*. ISSN 09258388, 2011-09-29, 509, 39, pp. 9399-9405., WOS

ADCA156 ŠEPELÁK, Vladimír - BERGMANN, Ingo - INDRIS, Silvio - ŠUBRT, J. - HEITJANS, Paul - BECKER, Klaus Dieter. Nanocrystalline complex oxides prepared by mechanochemical reactions. In *AIP Conference Proceedings*, 2010, vol. 1258, p. 96-101. (2010 - WOS, SCOPUS). ISSN 0094-243X.

Ohlasy:

- [1.1] CHEN, Miao - WU, Jia-Ling - LIU, Yong-Mei - CAO, Yong - GUO, Li - HE, He-Yong - FAN, Kang-Nian. A practical grinding-assisted dry synthesis of nanocrystalline NiMoO_4 polymorphs for oxidative dehydrogenation of propane. In *JOURNAL OF SOLID STATE CHEMISTRY*. ISSN 0022-4596, 2011, vol. 184, no. 12, pp. 3357., WOS

ADCA157 ŠEPELÁK, Vladimír. Nanocrystalline materials prepared by homogeneous and heterogeneous mechanochemical reactions. In *Annales de Chimie: Science des Matériaux*, 2002, vol. 27, p. 61. ISSN 0151-9107.

Ohlasy:

- [1.1] CRISTÓBAL, A. A. - BOTTA, P. M. Mechanochemically assisted synthesis of nanocrystalline BiFeO_3 . In *Materials Chemistry and Physics*. ISSN 02540584, 2013-05-15, 139, 2-3, pp. 931-935., WOS
- [1.1] CRISTÓBAL, A.A. - RAMOS, C.P. - BERCOFF, P.G. - BOTTA, P.M. - PORTO LÓPEZ, J.M. Effects of the Ti/Fe ratio on the phase composition and magnetic properties of mechanochemically activated Ti- Fe_2O_3 mixtures. In *Materials Chemistry and Physics* 133 (2012), 971, WOS
- [1.1] EPUR, Rigved - MINARDI, Luke - DATTA, Moni K. - CHUNG, Sung Jae - KUMTA, Prashant N. A simple facile approach to large scale synthesis of high specific surface area silicon nanoparticles. In *Journal of Solid State Chemistry*. ISSN 00224596, 2013-10-29, 208, pp. 93-98., WOS
- [1.1] GHASEMI, Ali - EKHLASI, Sima - MOUSAVINIA, Mohammad. Effect of Cr and Al substitution cations on the structural and magnetic properties of $\text{Ni}_{0.6}\text{Zn}_{0.4}\text{Fe}_{2-x}\text{Cr}_{x/2}\text{Al}_x/2\text{O}_4$ nanoparticles synthesized using the sol-gel auto-combustion method. In *Journal of Magnetism and Magnetic Materials*. ISSN 03048853, 2014-01-01, 354, pp. 136-145., WOS
- [1.1] GHASEMI, Ali - GHASEMI, Ebrahim - PAIMOZD, Ebrahim. Influence of copper cations on the magnetic properties of NiCuZn ferrite nanoparticles. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2011, vol. 323, no. 11, pp. 1541., WOS
- [1.1] GHASEMI, Ali - PAESANO, Andrea - CERQUEIRA MACHADO, Carla Fabiana - SHIRSATH, Sagar E. - LIU, Xiaoxi - MORISAKO, Akimitsu. Mössbauer spectroscopy, magnetic characteristics, and reflection loss analysis of nickel-strontium substituted cobalt ferrite nanoparticles. In *Journal of Applied*

Physics. ISSN 00218979, 2014-05-07, 115, 17, pp., WOS

[1.1] GHASEMI, Ali. Particle size dependence of magnetic features for $\text{Ni}_{0.6-x}\text{Cu}_x\text{Zn}_{0.4}\text{Fe}_2\text{O}_4$ spinel nanoparticles. In *Journal of Magnetism and Magnetic Materials*. ISSN 03048853, 2014-06-01, 360, pp. 41-47., WOS

[1.1] GHASEMI, A. - KAEWRAWANG, A. - LIU, X. - MORISAKO, A. Magnetic properties of $\text{Co}_{1-x}\text{Ni}_x/2\text{Sr}_x/2\text{Fe}_2\text{O}_4$ ($x = 0-1$) ferrite nanoparticles synthesized by self-assembling media of reverse micelles. In *Journal of Physics: Conference Series*. ISSN 17426588, 2011-08-19, 303, 1, pp., WOS

[1.1] MØRUP, Steen - RASMUSSEN, Helge K. - BROK, Erik - KELLER, Lukas - FRANDSEN, Cathrine. Influence of cation disorder on the magnetic properties of ball-milled ilmenite (FeTiO_3). In *Materials Chemistry and Physics*. ISSN 02540584, 2012-09-14, 136, 1, pp. 184-189., WOS

[1.1] ŠTEFANIĆ, Goran - KREHULA, Stjepko - ŠTEFANIĆ, Ivka. The high impact of a milling atmosphere on steel contamination. In *Chemical Communications*. ISSN 13597345, 2013-10-18, 49, 81, pp. 9245-9247., WOS

[1.1] TSONCHEVA, Tanya - GENOVA, Isabela - TSYNTSARSKI, Boyko - DIMITROV, Momtchil - PANEVA, Daniela - CHERKEZOVA-ZHELEVA, Zara - BUDINOVA, Temenujka - IVANOVA, Radostina - MITOV, Ivan - PETROV, Nartzislav. Cobalt and iron modified activated carbon from coal tar pitch: Preparation and application as catalysts for methanol decomposition. In *Journal of Porous Materials*. ISSN 13802224, 2014-01-01, 21, 5, pp. 503-512., WOS

[1.1] WIECZOREK-CIUROWA, K. Mechanochemical synthesis of metallic-ceramic composite powders. In *Ceramic Nanocomposites*, 2013-07-01, pp. 399-430., WOS

[1.2] DIMOVA, S. - ZAHARIEVA, K. - JOSSIFOV, Ch - CHERKEZOVA-ZHELEVA, Z. - MITOV, I. Metathesis of phenylalkynes and aldehyde by nanodimensional ferrite catalyst. In *Journal of Chemical Technology and Metallurgy*. ISSN 13147471, 2013-05-21, 48, 1, pp. 28-33., SCOPUS

[1.2] CHERKEZOVA-ZHELEVA, Z. - ZAHARIEVA, K. - PETKOVA, V. - KUNEV, B. - MITOV, I. Preparation of ferrite materials by mechanochemical activation. In *Tribological Journal BULTRIB 2* (2012), 49, SCOPUS

ADCA158 ŠEPELÁK, Vladimír - BERGMANN, Ingo - FELDHOFF, Armin - HEITJANS, Paul - KRUMEICH, F. - MENZEL, Dirk - LITTERST, F.J. - CAMPBELL, S.J. - BECKER, Klaus Dieter. Nanocrystalline nickel ferrite, NiFe_2O_4 : mechanosynthesis, nonequilibrium cation distribution, canted spin arrangement, and magnetic behavior. In *Journal of Physical Chemistry C*, 2007, vol. 111, no. 13, p. 5026-5033. (2007 - Current Contents, SCOPUS). ISSN 1932-7447.

Ohlasy:

[1.1] AGUILAR-GARIB, J.A. - SANCHEZ-DE-JESUS, F. - BOLARIN-MIRO, A.M. - HAM-HERNANDEZ, S. Synthesis of NiMn_2O_4 assisted by high-energy ball milling of NiO-MnO powders. *JOURNAL OF CERAMIC PROCESSING RESEARCH*. ISSN 1229-9162, DEC 2011, vol. 12, no. 6, p. 721-726., WOS

[1.1] AHLAWAT, A. - SATHE, V.G. - GANESAN, V. - PHASE, D.M. - SATAPATHY, S. Synthesis and signature of M-E coupling in novel self-assembled $\text{CaCu}_3\text{Ti}_4\text{O}_{12}\text{-NiFe}_2\text{O}_4$ nanocomposite structure. In *Journal of Applied Physics* Vol. 111 (2012), 074302, WOS

- [1.1] AHLAWAT, A. - SATHE, V.G. - REDDY, V.R. - GUPTA, A. Mossbauer, Raman and X-ray diffraction studies of superparamagnetic NiFe₂O₄ nanoparticles prepared by sol-gel auto-combustion method. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, AUG 2011, vol. 323, no. 15, p. 2049-2054., WOS
- [1.1] AHMADIPOUR, M. - HATAMI, M. - RAO, K.V. Preparation and characterization of nano- sized (Mg(x)Fe(1-x)O/SiO₂) (x=0.1) core-shell nanoparticles by chemical precipitation method. In Advances in Nanoparticles 1 (2012), 37, WOS
- [1.1] ALMEIDA, T.P. - FAY, M.W. - ZHU, Y.Q. - BROWN, P.D. Hydrothermal synthesis of homogeneous and core/shell Co_xNi_{1-x}Fe₂O₄ nanoparticles. 2012 12TH IEEE CONFERENCE ON NANOTECHNOLOGY (IEEE-NANO). 2012., WOS
- [1.1] ALMEIDA, T.P. - MORO, F. - FAY, M.W. - ZHU, Y.Q. - BROWN, P.D. Tuneable magnetic properties of hydrothermally synthesised core/shell CoFe₂O₄/NiFe₂O₄ and NiFe₂O₄/CoFe₂O₄ nanoparticles. JOURNAL OF NANOPARTICLE RESEARCH. ISSN 1388-0764, APR 10 2014, vol. 16, no. 5., WOS
- [1.1] AMORIN, H. - HUNGRIA, T. - LANDA-CANOVAS, A.R. - TORRES, M. - DOLLE, M. - ALGUERO, M. - CASTRO, A. Nanopowders of ferroic oxides for magnetoelectric composites. JOURNAL OF NANOPARTICLE RESEARCH. ISSN 1388-0764, SEP 2011, vol. 13, no. 9, p. 4189-4200., WOS
- [1.1] BASTIEN, S. - BRAIDY, N. Controlled synthesis of nickel ferrite nanocrystals with tunable properties using a novel induction thermal plasma method. JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, DEC 7 2013, vol. 114, no. 21., WOS
- [1.1] BHARATHI, K.K. - NOOR-A-ALAM, M. - VEMURI, R.S. - RAMANA, C.V. Correlation between microstructure, electrical and optical properties of nanocrystalline NiFe_{1.925}Dy_{0.075}O₄ thin films. RSC ADVANCES. ISSN 2046-2069, 2012, vol. 2, no. 3, p. 941-948., WOS
- [1.1] BHOWMIK, R.N. Role of interfacial disorder on room temperature ferromagnetism and giant dielectric constant in nano-sized Co_{1.5}Fe_{1.5}O₄ ferrite grains. MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, FEB 2014, vol. 50, p. 476-482., WOS
- [1.1] BLANCO-GUTIÉRREZ, V. - GALLASTEGUI, J.A. - BONVILLE, P. - TORRALVO-FERNÁNDEZ, M.J. - SÁEZ-PUCHE, R. MFe₂O₄ (M: Co²⁺, Ni²⁺) nanoparticles: Mössbauer and X-ray absorption spectroscopies studies and high-temperature superparamagnetic behavior. In Journal of Physical Chemistry C 116 (2012), 24331, WOS
- [1.1] BLANCO-GUTIERREZ, V. - VIRUMBRALES, M. - SAEZ-PUCHE, R. - TORRALVO-FERNANDEZ, M.J. Superparamagnetic Behavior of MFe₂O₄ Nanoparticles and MFe₂O₄/SiO₂ Composites (M: Co, Ni). JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, OCT 10 2013, vol. 117, no. 40, p. 20927-20935., WOS
- [1.1] CAO, X.H. - MENG, J.H. - MI, F. - ZHANG, Z.H. - SUN, J. Preparation and magnetic property investigation of a nickel spinel ferrite-coated tetrapod-like ZnO composite. SOLID STATE COMMUNICATIONS. ISSN 0038-1098, MAY 2011, vol. 151, no. 9, p. 678-682., WOS
- [1.1] CASULA, M.F. - CONCAS, G. - CONGIU, F. - CORRIAS, A. -

- LOCHE, D. - MARRAS, C. - SPANO, G. Characterization of stoichiometric nanocrystalline spinel ferrites dispersed on porous silica aerogel. In Journal of Nanoscience and Nanotechnology 11 (2011), 10136, WOS
- [1.1] DA DALT, S. - TAKIMI, A.S. - VOLKMER, T.M. - SOUSA, V.C. - BERGMANN, C.P. Magnetic and Mossbauer behavior of the nanostructured MgFe_2O_4 spinel obtained at low temperature. POWDER TECHNOLOGY. ISSN 0032-5910, JUN 25 2011, vol. 210, no. 2, p. 103-108., WOS
- [1.1] DEY, S. - DEY, S.K. - GHOSH, B. - DASGUPTA, P. - PODDAR, A. - REDDY, V.R. - KUMAR, S. Role of inhomogeneous cation distribution in magnetic enhancement of nanosized $\text{Ni}_{0.35}\text{Zn}_{0.65}\text{Fe}_2\text{O}_4$: A structural, magnetic, and hyperfine study. JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, SEP 7 2013, vol. 114, no. 9., WOS
- [1.1] DEY, S. - DEY, S.K. - GHOSH, B. - REDDY, V.R. - KUMAR, S. Structural, microstructural, magnetic and hyperfine characterization of nanosized $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ synthesized by high energy ball-milling method. MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, MAR 15 2013, vol. 138, no. 2-3, p. 833-842., WOS
- [1.1] DOHERTY, C.M. - KNYSTAUTAS, E. - BUSO, D. - VILLANOVA, L. - KONSTAS, K. - HILL, A.J. - TAKAHASHI, M. - FALCARO, P. Magnetic framework composites for polycyclic aromatic hydrocarbon sequestration. JOURNAL OF MATERIALS CHEMISTRY. ISSN 0959-9428, 2012, vol. 22, no. 23, p. 11470-11474., WOS
- [1.1] FUENTES, A.F. - TAKACS, L. Preparation of multicomponent oxides by mechanochemical methods. JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, JAN 2013, vol. 48, no. 2, p. 598-611., WOS
- [1.1] GU, J.M. - LI, S.H. - JU, M.L. - WANG, E.B. In situ carbon template-based strategy to fabricate ferrite hollow spheres and their magnetic property. JOURNAL OF CRYSTAL GROWTH. ISSN 0022-0248, APR 1 2011, vol. 320, no. 1, p. 46-51., WOS
- [1.1] HAMEDOUN, M. - MASROUR, R. - MOUNKACHI, O. - EL MOUSSAOUI, H. - BENYOUSSEF, A. - HLIL, E.K. Physical properties of $\text{Co(Mn)Fe}_2\text{O}_4$ nanomaterials. PHYSICA SCRIPTA. ISSN 0031-8949, JUL 2013, vol. 88, no. 1., WOS
- [1.1] HASSNAIN JAFFARI, G. - RUMAIZ, A.K. - WOICIK, J.C. - ISMAT SHAH, S. Influence of oxygen vacancies on the electronic structure and magnetic properties of NiFe_2O_4 thin films. In Journal of Applied Physics Vol. 111 (2012), 093906, WOS
- [1.1] HAZRA, S. - GHOSH, N.N. Preparation of Nanoferrites and Their Applications. JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, FEB 2014, vol. 14, no. 2, p. 1983-2000., WOS
- [1.1] JAFFARI, G.H. - CEYLAN, A. - BUI, H.P. - BEEBE, T.P. - OZCAN, S. - SHAH, S.I. Non-equilibrium cation distribution and enhanced spin disorder in hollow CoFe_2O_4 nanoparticles. JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, AUG 22 2012, vol. 24, no. 33., WOS
- [1.1] JAFFARI, G.H. - RUMAIZ, A.K. - WOICIK, J.C. - SHAH, S.I. Influence of oxygen vacancies on the electronic structure and magnetic properties of NiFe_2O_4 thin films. JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, MAY 1 2012, vol. 111, no. 9., WOS
- [1.1] JAMES, S.L. - ADAMS, C.J. - BOLM, C. - BRAGA, D. - COLLIER, P. - FRISCIC, T. - GREPIONI, F. - HARRIS, K.D.M. - HYETT, G. - JONES, W.

- KREBS, A. - MACK, J. - MAINI, L. - ORPEN, A.G. - PARKIN, I.P. - SHEAROUSE, W.C. - STEED, J.W. - WADDELL, D.C. Mechanochemistry: opportunities for new and cleaner synthesis. CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2012, vol. 41, no. 1, p. 413-447., WOS
- [1.1] JIN, X.D. - NI, Q.Q. - FU, Y.Q. - ZHANG, L. - NATSUKI, T. Hydrothermal Synthesis of Carbon Nanotube/Nickel Ferrite Nanocomposites. SEN-I GAKKAISHI. ISSN 0037-9875, MAY 2012, vol. 68, no. 5, p. 112-117., WOS
- [1.1] KAMISHIMA, K. - HOSAKA, N. - KAKIZAKI, K. - HIRATSUKA, N. Crystallographic and magnetic properties of Cu_2X , Co_2X , and Ni_2X hexaferrites. JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, JAN 1 2011, vol. 109, no. 1., WOS
- [1.1] KAVANLOOEE, M. - HASHEMI, B. - MALEKI-GHALEH, H. - KAVANLOOEE, J. Effects of Annealing on Phase Evolution, Microstructure, and Magnetic Properties of Nanocrystalline Ball-Milled LiZnTi Ferrite. JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, NOV 2012, vol. 41, no. 11, p. 3082-3086., WOS
- [1.1] KAZIN, A.P. - RUMYANTSEVA, M.N. - PRUSAKOV, V.E. - SUZDALEV, I.P. - GASKOV, A.M. Nanocrystalline ferrites $\text{Ni}_x\text{Zn}_{1-x}\text{Fe}_2\text{O}_4$: Influence of cation distribution on acidic and gas sensing properties. JOURNAL OF SOLID STATE CHEMISTRY. ISSN 0022-4596, OCT 2011, vol. 184, no. 10, p. 2799-2805., WOS
- [1.1] KOLLU, P. - PRATHAPANI, S. - VARAPRASADARAO, E.K. - SANTOSH, C. - MALLICK, S. - GRACE, A.N. - BAHADUR, D. Anomalous magnetic behavior in nanocomposite materials of reduced graphene oxide- $\text{Ni}/\text{NiFe}_2\text{O}_4$. APPLIED PHYSICS LETTERS. ISSN 0003-6951, AUG 4 2014, vol. 105, no. 5., WOS
- [1.1] KOSTOVA, - TSONCHEVA, T. - MITSOVA, L. - VELINOV, N. - DUTKOVA, E. - ACHIMOVICOVA, M. - BALAZ, P. Mechanochemically synthesized Fe_2O_3 - TiO_2 mixed oxides as catalysts for methanol decomposition. In Tribological Journal BULTRIB 2 (2012), 43, WOS
- [1.1] KUMAR, K.S.A. - BHOWMIK, R.N. Micro-structural characterization and magnetic study of $\text{Ni}_{1.5}\text{Fe}_{1.5}\text{O}_4$ ferrite synthesized through coprecipitation route at different pH values. MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, JUL 15 2014, vol. 146, no. 1-2, p. 159-169., WOS
- [1.1] LAZAREVIC, Z. - MILUTINOVIC, A. - ROMCEVIC, M. - ROMCEVIC, N. - JOVALEKIC, C. - SEKULIC, D. - SLANKAMENAC, M. Soft Mechanochemical Synthesis and Characterization of Nanodimensional Spinel Ferrites. 2012 INTERNATIONAL SYMPOSIUM ON APPLICATIONS OF FERROELECTRICS HELD JOINTLY WITH 11TH IEEE ECAPD AND IEEE PFM (ISAF/ECAPD/PFM). ISSN 1099-4734, 2012., WOS
- [1.1] LAZAREVIC, Z.Z. - JOVALEKIC, C. - SEKULIC, D.L. - MILUTINOVIC, A. - BALOS, S. - SLANKAMENAC, M. - ROMCEVIC, N.Z. Structural, electrical and dielectric properties of spinel nickel ferrite prepared by soft mechanochemical synthesis. MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, OCT 2013, vol. 48, no. 10, p. 4368-4378., WOS
- [1.1] LAZAREVIC, Z.Z. - JOVALEKIC, C. - MILUTINOVIC, A. - SEKULIC, D. - IVANOVSKI, V.N. - RECNIK, A. - CEKIC, B. - ROMCEVIC, N.Z. Nanodimensional spinel NiFe_2O_4 and ZnFe_2O_4 ferrites prepared by soft mechanochemical synthesis. JOURNAL OF APPLIED PHYSICS. ISSN

0021-8979, MAY 14 2013, vol. 113, no. 18., WOS

[1.1] LAZAREVIC, Z.Z. - JOVALEKIC, C. - SEKULIC, D. - SLANKAMENAC, M. - ROMCEVIC, M. - MILUTINOVIC, A. - ROMCEVIC, N.Z. Characterization of Nanostructured Spinel NiFe_2O_4 Obtained by Soft Mechanochemical Synthesis. SCIENCE OF SINTERING. ISSN 0350-820X, SEP-DEC 2012, vol. 44, no. 3, p. 331-339., WOS

[1.1] LAZAREVIC, Z.Z. - JOVALEKIC, C. - MILUTINOVIC, A. - ROMCEVIC, M.J. - ROMCEVIC, N.Z. Preparation and Characterization of Nano Ferrites. ACTA PHYSICA POLONICA A. ISSN 0587-4246, MAR 2012, vol. 121, no. 3, p. 682-686., WOS

[1.1] LAZAREVIC, Z.Z. - JOVALEKIC, C. - RECNIK, A. - IVANOVSKI, V.N. - MITRIC, M. - ROMCEVIC, M.J. - PAUNOVIC, N. - CEKIC, B.D. - ROMCEVIC, N.Z. Study of manganese ferrite powders prepared by a soft mechanochemical route. JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, OCT 13 2011, vol. 509, no. 41, p. 9977-9985., WOS

[1.1] LAZAREVIC, Z.Z. - JOVALEKIC, C. - MILUTINOVIC, A. - SEKULIC, D. - SLANKAMENAC, M. - ROMCEVIC, M. - ROMCEVIC, N.Z. Study of NiFe_2O_4 and ZnFe_2O_4 Spinel Ferrites Prepared by Soft Mechanochemical Synthesis. FERROELECTRICS. ISSN 0015-0193, JAN 1 2013, vol. 448, no. 1, p. 1-11., WOS

[1.1] MARINCA, T.F. - CHICINAS, I. - ISNARD, O. - POP, V. - POPA, F. Synthesis, structural and magnetic characterization of nanocrystalline nickel ferrite- NiFe_2O_4 obtained by reactive milling. JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, JUL 28 2011, vol. 509, no. 30, p. 7931-7936., WOS

[1.1] MARINCA, T.F. - NEAMTU, B.V. - CHICINAS, I. - ISNARD, O. Synthesis of $\text{Fe}_3\text{O}_4/\text{Fe}$ nanocomposite powder from Fe_2O_3 and Fe powder by mechanosynthesis. Structural, thermal and magnetic characterisation. JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, SEP 25 2014, vol. 608, p. 54-59., WOS

[1.1] MASROUR, R. - MOUNKACHI, O. - MOUSSAOUI, H. - HAMEDOUN, M. - BENYOUSSEF, A. - HLIL, E.K. - BEN ALI, M. - EL MAALAM, K. Physical Properties of Ferrites Nanoparticles. JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, DEC 2013, vol. 26, no. 12, p. 3443-3447., WOS

[1.1] MUNIZ, E.P. - PROVETI, J.R.C. - PEREIRA, R.D. - SEGATTO, B. - PORTO, P.S.S. - NASCIMENTO, V.P. - SCHETTINO, M.A. - PASSAMANI, E.C. Influence of heat-treatment environment on Ni-ferrite nanoparticle formation from coconut water precursor. JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, FEB 2013, vol. 48, no. 4, p. 1543-1554., WOS

[1.1] NAKHJAVAN, B. - TAHIR, M.N. - PANTHOFER, M. - GAO, H.T. - SCHLADT, T.D. - GASI, T. - KSENOFONTOV, V. - BRANSCHIED, R. - WEBER, S. - KOLB, U. - SCHREIBER, L.M. - TREMEL, W. Synthesis, characterization and functionalization of nearly mono-disperse copper ferrite $\text{Cu}_x\text{Fe}_{3-x}\text{O}_4$ nanoparticles. JOURNAL OF MATERIALS CHEMISTRY. ISSN 0959-9428, 2011, vol. 21, no. 19, p. 6909-6915., WOS

[1.1] NASERI, M.G. - SAION, E.B. - AHANGAR, H.A. - HASHIM, M. - SHAARI, A.H. Simple preparation and characterization of nickel ferrite nanocrystals by a thermal treatment method. POWDER TECHNOLOGY. ISSN 0032-5910, SEP 15 2011, vol. 212, no. 1, p. 80-88., WOS

- [1.1] NASERI, M.G. - SAION, E.B. - AHANGAR, H.A. - SHAARI, A.H. Fabrication, characterization, and magnetic properties of copper ferrite nanoparticles prepared by a simple, thermal-treatment method. MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, APR 2013, vol. 48, no. 4, p. 1439-1446., WOS
- [1.1] NAWALE, A.B. - KANHE, N.S. - PATIL, K.R. - REDDY, V.R. - GUPTA, A. - KALE, B.B. - BHORASKAR, S.V. - MATHE, V.L. - DAS, A.K. Magnetic properties of nanocrystalline CoFe₂O₄ synthesized by thermal plasma in large scale. In Materials Chemistry and Physics 137 (2012), 586, WOS
- [1.1] OGNJANOVIC, S.M. - TOKIC, I. - CVEJIC, Z. - RAKIC, S. - SRDIC, V.V. Structural and dielectric properties of yttrium substituted nickel ferrites. MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, JAN 2014, vol. 49, p. 259-264., WOS
- [1.1] OKABAYASHI, J. - KONO, S. - YAMADA, Y. - NOMURA, K. Magnetic and electronic properties of Fe and Ni codoped SnO₂. JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, OCT 1 2012, vol. 112, no. 7., WOS
- [1.1] OMPRAKASH, S. - PRAKASH, A.P.G. - NAIK, P.S. AC Conductivity and Dielectric Studies on Nickel Ferrite Nano-Particles Synthesized by Sol Gel Technique (NT 28). 16TH INTERNATIONAL WORKSHOP ON PHYSICS OF SEMICONDUCTOR DEVICES. ISSN 0277-786X, 2012, vol. 8549., WOS
- [1.1] OSHTRAKH, M.I. - USHAKOV, M.V. - SENTHILKUMAR, B. - SELVAN, R.K. - SANJEEVIRAJA, C. - SEMIONKIN, V.A. Iron Environment Non-Equivalence in Both Octahedral and Tetrahedral Sites in NiFe₂O₄ Nanoparticles: Study Using Mossbauer Spectroscopy with a High Velocity Resolution. MOSSBAUER SPECTROSCOPY IN MATERIALS SCIENCE - 2012. ISSN 0094-243X, 2012, vol. 1489, p. 115-122., WOS
- [1.1] OSHTRAKH, M.I. - USHAKOV, M.V. - SENTHILKUMAR, B. - SELVAN, R.K. - SANJEEVIRAJA, C. - FELNER, I. - SEMIONKIN, V.A. Study of NiFe₂O₄ nanoparticles using Mossbauer spectroscopy with a high velocity resolution. HYPERFINE INTERACTIONS. ISSN 0304-3843, APR 2013, vol. 219, no. 1-3, p. 7-12., WOS
- [1.1] PRABHAKARAN, T. - HEMALATHA, J. Chemical control on the size and properties of nano NiFe₂O₄ synthesized by sol-gel autocombustion method. CERAMICS INTERNATIONAL. ISSN 0272-8842, MAR 2014, vol. 40, no. 2, p. 3315-3324., WOS
- [1.1] PRAVEENA, K. - MURTHY, S.R. Magneto acoustical emission in nanocrystalline Mn-Zn ferrites. MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, NOV 2013, vol. 48, no. 11, p. 4826-4833., WOS
- [1.1] RAJPUT, A.B. - HAZRA, S. - KRISHNA, N.B. - CHAVALI, P. - DATLA, S. - GHOSH, N.N. Preparation of NiFe₂O₄ nanopowder via EDTA precursor and study of its properties. PARTICULOLOGY. ISSN 1674-2001, FEB 2012, vol. 10, no. 1, p. 29-34., WOS
- [1.1] RAJPUT, A.B. - RAHAMAN, S.J. - SARKHEL, G. - PATRA, M.K. - VADERA, S.R. - GHOSH, N.N. Preparation, Characterization and Properties of Flexible Magnetic Nanocomposites of NiFe₂O₄-polybenzoxazine-LLDPE. POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING. ISSN 0360-2559, SEP 2 2013, vol. 52, no. 11, p. 1097-1105., WOS
- [1.1] ROJAC, T. - MALIC, B. - KOSEC, M. - POLOMSKA, M. - HILCZER, B. - ZUPANCIC, B. - ZALAR, B. Mechanochemical synthesis of NaNbO₃: A complementary study of reaction mechanism using Raman

spectroscopy and quadrupole perturbed Na-23 nuclear magnetic resonance. SOLID STATE IONICS. ISSN 0167-2738, MAY 14 2012, vol. 215, p. 1-6., WOS

[1.1] SEKULIC, D.L. - LAZAREVIC, Z.Z. - JOVALEKIC, C. - RECNIK, A. - ROMCEVIC, M. - HADZIC, B. - ROMCEVIC, N.Z. The Comparative Study of the Structural and the Electrical Properties of the Nano Spinel Ferrites Prepared by the Soft Mehanochemical Synthesis. SCIENCE OF SINTERING. ISSN 0350-820X, 2014, vol. 46, no. 2, p. 235-245., WOS

[1.1] SENTHILKUMAR, B. - SELVAN, R.K. - VINOTHBABU, P. - PERELSHTEIN, I. - GEDANKEN, A. Structural, magnetic, electrical and electrochemical properties of NiFe₂O₄ synthesized by the molten salt technique. MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, OCT 17 2011, vol. 130, no. 1-2, p. 285-292., WOS

[1.1] SHUKLA, N. - ONDECK, A. - LEE, J.C. - MILLER, J.B. NiFe₂O₄@SiO₂ Nanoparticles Stabilized by Porous Silica Shells. CATALYSIS LETTERS. ISSN 1011-372X, MAY 2012, vol. 142, no. 5, p. 582-587., WOS

[1.1] SINGH, J.P. - DIXIT, G. - SRIVASTAVA, R.C. - AGRAWAL, H.M. - REDDY, V.R. - GUPTA, A. Observation of bulk like magnetic ordering below the blocking temperature in nanosized zinc ferrite. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, AUG 2012, vol. 324, no. 16, p. 2553-2559., WOS

[1.1] TARTA, V.F. - CHICINAS, I. - MARINCA, T.F. - NEAMTU, B.V. - POPA, F. - PRICA, C.V. Synthesis of the nanocrystalline/nanosized NiFe₂O₄ powder by ceramic method and mechanical milling. ADVANCED MATERIALS AND STRUCTURES IV. ISSN 1012-0394, 2012, vol. 188, p. 27-30., WOS

[1.1] TÖPFER, J. - ANGERMANN, A. Nanocrystalline magnetite and Mn-Zn ferrite particles via the polyol process: Synthesis and magnetic properties. In Materials Chemistry and Physics 129 (2011), 337, WOS

[1.1] VEVERKA, M. - JIRAK, Z. - KAMAN, O. - KNIZEK, K. - MARYSKO, M. - POLLERT, E. - ZAVETA, K. - LANCOK, A. - DLOUHA, M. - VRATISLAV, S. Distribution of cations in nanosize and bulk Co-Zn ferrites. NANOTECHNOLOGY. ISSN 0957-4484, AUG 26 2011, vol. 22, no. 34., WOS

[1.1] VUCINIC-VASIC, M. - BOZIN, E.S. - BESSAIS, L. - STOJANOVIC, G. - KOZMIDIS-LUBURIC, U. - ABEYKOON, M. - JANCAR, B. - MEDEN, A. - KREMENOVIC, A. - ANTIC, B. Thermal Evolution of Cation Distribution/Crystallite Size and Their Correlation with the Magnetic State of Yb-Substituted Zinc Ferrite Nanoparticles. JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, JUN 13 2013, vol. 117, no. 23, p. 12358-12365., WOS

[1.1] YOUNAS, M. - NADEEM, M. - ATIF, M. - GROSSINGER, R. Metal-semiconductor transition in NiFe₂O₄ nanoparticles due to reverse cationic distribution by impedance spectroscopy. JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, MAY 1 2011, vol. 109, no. 9., WOS

[1.1] ZABOTTO, F.L. - GUALDI, A.J. - EIRAS, J.A. - DE OLIVEIRA, A.J.A. - GARCIA, D. Influence of the Sintering Temperature on the Magnetic and Electric Properties of NiFe₂O₄ Ferrites. MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS. ISSN 1516-1439, MAY-JUN 2012, vol. 15, no. 3, p. 428-433., WOS

[1.1] ZHANG, J. - ZHANG, J.Y. - XU, Y.F. - SU, H.M. - LI, X.M. - ZHOU, J.Z. - QIAN, G.R. - LI, L. - XU, Z.P. Efficient Selective Catalytic Reduction of

NO by Novel Carbon-doped Metal Catalysts Made from Electroplating Sludge.
ENVIRONMENTAL SCIENCE & TECHNOLOGY. ISSN 0013-936X, OCT 7
2014, vol. 48, no. 19, p. 11497-11503., WOS

- ADCA159 ŠEPELÁK, Vladimír - BUCHAL, Antonín - TKÁČOVÁ, Klára - BECKER, Klaus Dieter. Nanocrystalline structure of the metastable ball-milled inverse spinel ferrites. In *Materials Science Forum*, 1998, vol. 278-281, p. 862. ISSN 0255-5476.
Ohlasy:
[1.1] AHLAWAT, Anju - SATHE, V. G. - REDDY, V. R. - GUPTA, Ajay. Mossbauer, Raman and X-ray diffraction studies of superparamagnetic NiFe₂O₄ nanoparticles prepared by sol-gel auto-combustion method. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2011, vol. 323, no. 15, pp. 2049., WOS
[1.1] AL-SAIE, A.M. The effect of annealing on the structure and magnetic properties of ZnCrFeO₄. In International Journal of Nanoparticles 5 (2012), 1, WOS
[1.1] SANKARAMAHALINGAM, Angappan - LAWRENCE, John Berchmans. Structural, Optical, and Magnetic Properties of MgFe₂O₄ Synthesized with Addition of Copper. In SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY. ISSN 1553-3174, 2012, vol. 42, no. 1, pp. 121., WOS
- ADCA160 ŠEPELÁK, Vladimír - HEITJANS, Paul - BECKER, Klaus Dieter. Nanoscale spinel ferrites prepared by mechanochemical route: thermal stability and size dependent magnetic properties. In *Journal of Thermal Analysis and Calorimetry*, 2007, vol. 90, no. 1, p. 93-97. (1.438 - IF2006). (2007 - Current Contents). ISSN 1388-6150.
Ohlasy:
[1.1] AHMED, M.A. - AFIFY, H.H. - EL ZAWAWIA, I.K. - AZAB, A.A. Novel structural and magnetic properties of Mg doped copper nanoferrites prepared by conventional and wet methods. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, JUL 2012, vol. 324, no. 14, p. 2199-2204., WOS
[1.1] ANGUS, K. - THOMAS, P. - GUERBOIS, J.-P. Synthesis and characterisation of cobaltite and ferrite spinels using thermogravimetric analysis and X-ray crystallography. In Journal of Thermal Analysis and Calorimetry 108 (2012) p. 449, WOS
[1.1] FUENTES, A.F. - TAKACS, L. Preparation of multicomponent oxides by mechanochemical methods. In Journal of Materials Science 48 (2), (2013) p. 598-611, WOS
[1.1] LAZAREVIĆ, Z.Ž. - JOVALEKIĆ, Č. - MILUTINOVIĆ, A. - SEKULIĆ, D. - ROMČEVIĆ, M. - SLANKAMENAC, M. - ROMČEVIĆ, N. Spectroscopy investigation of nanostructured zinc ferrite obtained by mechanochemical synthesis. In Optoelectronics and Advanced Materials, Rapid Communications 7 (9-10), (2013) p. 720-725, WOS
[1.1] MENG, Y.Y. - LIU, Z.W. - DAI, H.C. - YU, H.Y. - ZENG, D.C. - SHUKLA, S. - RAMANUJAN, R.V. Structure and magnetic properties of Mn(Zn)Fe_{2-x}RE_xO₄ ferrite nanopowders synthesized by co-precipitation and refluxing method. In Powder Technology 229 (2012), 270, WOS

- [1.1] ZAKI, H.M. - AL-HENITI, S. - UMAR, A. - AL-MARZOUKI, F. - ABDEL-DAIEM, A. - ELMOSALAMI, T.A. - DAWOUD, H.A. - AL-HAZMI, F.S. - ATA-ALLAH, S.S. Magnesium-ELMOSALAMI, T.A. - DAWOUD, H.A. - AL-HAZMI, F.S. - ATA-ALLAH, S.S. Magnesium-zinc ferrite nanoparticles: Effect of copper doping on the structural, electrical and magnetic properties. In *Journal of Nanoscience and Nanotechnology* 13 (6), (2013) p. 4056-4065., WOS
- [1.1] ZHANG, Z. - LIU, Y. - YAO, G. - ZU, G. - HAO, Y. Synthesis and characterization of NiFe₂O₄ nanoparticles via solid-state reaction. In *International Journal of Applied Ceramic Technology* 10 (1), (2013) p. 142-149, WOS
- [1.2] ZHANG, Z. - LIU, Y. - YAO, G. - WU, D. - MA, J. Effects of calcination conditions on particle size and morphology of NiFe₂O₄ nanoparticles synthesized by solid-state reaction. In *TMS Annual Meeting* 2 (2012), 67, SCOPUS

ADCA161 ŠEPELÁK, Vladimír - BECKER, S.M. - BERGMANN, Ingo - INDRIS, Silvio - SCHEUERMANN, Marco - FELDHOFF, Armin - KÜBEL, Ch. - BRUNS, M. - STÜRZL, Ninette - ULRICH, Anne S. - GHAFARI, Mohammad - HAHN, Horst - GREY, Clare P. - BECKER, Klaus Dieter - HEITJANS, Paul. Nonequilibrium structure of Zn₂SnO₄ spinel nanoparticles. In *Journal of Materials Chemistry*, 2012, vol. 22, no. 7, p. 3117-3126. (5.968 - IF2011). (2012 - Current Contents). ISSN 0959-9428.

Ohlasy:

- [1.1] BALAZ, P. - ACHIMOVICOVA, M. - BALAZ, M. - BILLIK, P. - CHERKEZOVA-ZHELEVA, Z. - CRIADO, J.M. - DELOGU, F. - DUTKOVA, E. - GAFFET, E. - GOTOR, F.J. - KUMAR, R. - MITOV, I. - ROJAC, T. - SENNA, M. - STRELETSKII, A. - WIECZOREK-CIUROWA, K. Hallmarks of mechanochemistry: from nanoparticles to technology. In *CHEMICAL SOCIETY REVIEWS*. ISSN 0306-0012, 2013, vol. 42, no. 18, p. 7571-7637., WOS
- [1.1] DAS, P.P. - DEVI, P.S. Formation of Self-Assembled Defect-Free Zn₂SnO₄ Nanostructures from Binary Oxides without the Kirkendall Effect. In *INORGANIC CHEMISTRY*. ISSN 0020-1669, OCT 20 2014, vol. 53, no. 20, p. 10797-10799., WOS
- [1.1] DENG, R. - ZHOU, H. - LI, Y.F. - WU, T. - YAO, B. - QIN, J.M. - WAN, Y.C. - JIANG, D.Y. - LIANG, Q.C. - LIU, L. Experimental and first-principles study of ferromagnetism in Mn-doped zinc stannate nanowires. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, JUL 21 2013, vol. 114, no. 3., WOS
- [1.1] LIU, C.H. - RÖDER, R. - ZHANG, L.C. - REN, Z. - CHEN, H.Y. - ZHANG, Z.H. - RONNING, C. - GAO, P.X. Highly efficient visible-light driven photocatalysts: a case of zinc stannate based nanocrystal assemblies. In *JOURNAL OF MATERIALS CHEMISTRY A*. ISSN 2050-7488, 2014, vol. 2, no. 12, p. 4157-4167., WOS
- [1.1] PLAYFORD, H.Y. - HANNON, A.C. - TUCKER, M.G. - LEES, M.R. - WALTON, R.I. Total neutron scattering investigation of the structure of a cobalt gallium oxide spinel prepared by solvothermal oxidation of gallium metal. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, NOV 13 2013, vol. 25, no. 45, SI., WOS
- [1.1] QI, F. - STEIN, R.S. - FRISCIC, T. Mimicking mineral neogenesis for the clean synthesis of metal-organic materials from mineral feedstocks:

coordination polymers, MOFs and metal oxide separation. In *GREEN CHEMISTRY*. ISSN 1463-9262, 2014, vol. 16, no. 1, p. 121-132., WOS

[1.1] REDDY, M.V. - RAO, G.V.S. - CHOWDARI, B.V.R. Metal Oxides and Oxysalts as Anode Materials for Li Ion Batteries. In *CHEMICAL REVIEWS*. ISSN 0009-2665, JUL 2013, vol. 113, no. 7, p. 5364-5457., WOS

[1.1] TSAROUCHA, M. - AKSU, Y. - EPPING, J.D. - DRIESS, M. Facile Low-Temperature Approach to Tin-Containing ZnO Nanocrystals with Tunable Tin Concentrations Using Heterobimetallic Sn/Zn Single-Source Precursors. In *CHEMPLUSCHEM*. ISSN 2192-6506, JAN 2013, vol. 78, no. 1, p. 62-69., WOS

[1.1] ZHAO, Y. - HUANG, Y. - WANG, Q.F. - WANG, K. - ZONG, M. - WANG, L. - SUN, X. Hollow Zn₂SnO₄ boxes coated with N-doped carbon for advanced lithium-ion batteries. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, JAN 2014, vol. 40, no. 1, B, p. 2275-2280., WOS

[1.2] PLAYFORD, H.Y. - HANNON, A.C. - TUCKER, M.G. - LEES, M.R. - WALTON, R.I. Total neutron scattering investigation of the structure of a cobalt gallium oxide spinel prepared by solvothermal oxidation of gallium metal. In *Journal of Physics Condensed Matter*. ISSN 0953-8984, vol. 25, 2013, iss. 45, article number 454212, SCOPUS

ADCA162 ŠEPELÁK, Vladimír - STEINKE, U. - UECKER, Reinhard - WISSMANN, S. - BECKER, Klaus Dieter. Structural disorder in mechanosynthesized zinc ferrite. In *Journal of Solid State Chemistry*, 1998, vol. 135, p. 52. ISSN 0022-4596.

Ohlasy:

[1.1] BOSCHETTO, A. - BELLUSCI, M. - LA BARBERA, A. - PADELLA, F. - VENIALI, F. Kinematic observations and energy modeling of a Zoz Simoloyer high-energy ball milling device. In *International Journal of Advanced Manufacturing Technology*. ISSN 02683768, 2013-12-01, 69, 9-12, pp. 2423-2435., WOS

[1.1] CRISTÓBAL, A. A. - BOTTA, P. M. - AGLIETTI, E. F. - CONCONI, M. S. - BERCOFF, P. G. - PORTO LÓPEZ, J. M. Synthesis, structure and magnetic properties of distorted Y xLa_{1-x}FeO₃: Effects of mechanochemical activation and composition. In *Materials Chemistry and Physics*. ISSN 02540584, 2011-11-01, 130, 3, pp. 1275-1279., WOS

[1.1] GAO, Pengzhao - HUA, Xia - DEGIRMENCI, Volkan - ROONEY, David - KHRAISHEH, Majeda - POLLARD, Robert - BOWMAN, Robert M. - REBROV, Evgeny V. Structural and magnetic properties of Ni_{1-x}Zn_xFe₂O₄ (x=0, 0.5 and 1) nanopowders prepared by sol-gel method. In *Journal of Magnetism and Magnetic Materials*. ISSN 03048853, 2013-10-04, 348, pp. 44-50., WOS

[1.1] GOMES, J. A. - AZEVEDO, G. M. - DEPEYROT, J. - MESTNIK-FILHO, J. - PAULA, F. L O - TOURINHO, F. A. - PERZYNSKI, R. Structural, chemical, and magnetic investigations of core-shell zinc ferrite nanoparticles. In *Journal of Physical Chemistry C*. ISSN 19327447, 2012-11-15, 116, 45, pp. 24281-24291., WOS

[1.1] LAZAREVIĆ, Zorica Ž - JOVALEKIĆ, Čedomir - IVANOVSKI, Valentin N. - REČNIK, Aleksander - MILUTINOVIĆ, Aleksandra - CEKIĆ, Božidar - ROMČEVIĆ, Nebojša Ž. Characterization of partially inverse spinel ZnFe₂O₄ with high saturation magnetization synthesized via soft mechanochemically assisted route. In *Journal of Physics and Chemistry of Solids*. ISSN 00223697, 2014-07-01, 75, 7, pp. 869-877., WOS

- [1.1] LAZAREVIĆ, Zorica Ž - JOVALEKIĆ, Čedomir - SEKULIĆ, Dalibor L. - MILUTINOVIĆ, Aleksandra - BALOŠ, Sebastian - SLANKAMENAC, Miloš - ROMČEVIĆ, Nebojša Ž. Structural, electrical and dielectric properties of spinel nickel ferrite prepared by soft mechanochemical synthesis. In *Materials Research Bulletin*. ISSN 00255408, 2013-10-01, 48, 10, pp. 4368-4378., WOS
- [1.1] LAZAREVIĆ, Z. Ž - JOVALEKIĆ, Č - MILUTINOVIĆ, A. - SEKULIĆ, D. - IVANOVSKI, V. N. - REČNIK, A. - CEKIĆ, B. - Ž. ROMČEVIĆ, N. Nanodimensional spinel NiFe_2O_4 and ZnFe_2O_4 ferrites prepared by soft mechanochemical synthesis. In *Journal of Applied Physics*. ISSN 00218979, 2013-05-14, 113, 18, pp., WOS
- [1.1] LAZAREVIĆ, Z. Ž - JOVALEKIĆ, Č - REČNIK, A. - IVANOVSKI, V. N. - MILUTINOVIĆ, A. - ROMČEVIĆ, M. - PAVLOVIĆ, M. B. - CEKIĆ, B. - ROMČEVIĆ, N. Ž. Preparation and characterization of spinel nickel ferrite obtained by the soft mechanochemically assisted synthesis. In *Materials Research Bulletin*. ISSN 00255408, 2013-02-01, 48, 2, pp. 404-415., WOS
- [1.1] LAZAREVIĆ, Z. Ž - JOVALEKIĆ, Č - SEKULIĆ, D. - SLANKAMENAC, M. - ROMČEVIĆ, M. - MILUTINOVIĆ, A. - ROMČEVIĆ, N. Ž. Characterization of nanostructured spinel NiFe_2O_4 obtained by soft mechanochemical synthesis. In *Science of Sintering*. ISSN 0350820X, 2012-12-21, 44, 3, pp. 331-339., WOS
- [1.1] ŠTEFANIĆ, Goran - KREHULA, Stjepko - ŠTEFANIĆ, Ivka. The high impact of a milling atmosphere on steel contamination. In *Chemical Communications*. ISSN 13597345, 2013-10-18, 49, 81, pp. 9245-9247., WOS
- [1.1] UWAKWEH, Oswald N C - MÁŠ, Rita - MORALES, Carolyn - VARGAS, Pedro - SILVA, Josue - ROSA, Angel - LOPEZ, Neshma - MOYET, Richard Perez - CARDONA, Yenny. Synthesis of SnFe_2O_4 nanomaterials via high energy ball milling of SnO (Stannous) and $\alpha\text{-Fe}_2\text{O}_3$ (hematite) solid precursors. In *Journal of Materials Engineering and Performance*. ISSN 10599495, 2011-10-01, 20, 7, pp. 1157-1162., WOS
- [1.1] YAO, J.H. - LI, X.H. - PAN, L.P. - MO, J.M. - WEN, Z.P. Investigations on indium and zinc leachabilities from indium-bearing zinc ferrite improved by planetary ball milling. In *Journal of Materials Engineering and Performance* 22 (5), (2013) p. 1311-1318, WOS
- [1.2] HASHHASH, A. - YEHIA, M. - ISMAIL, S. M. - ATA-ALLAH, S. S. Structural and Magnetic Study of Zn-Substituted $\text{NiGa}_{1-y}\text{Fe}_2\text{O}_4$ Ferrite. In *Journal of Superconductivity and Novel Magnetism*. ISSN 15571939, 2014-01-01, 27, 10, pp. 2305-2310., SCOPUS
- [1.2] HOU, Dong Ke - PENG, Bing - CHAI, Li Yuan - PENG, Ning - YAN, Huan. Selective reduction mechanism of zinc ferrite. In *Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals*. ISSN 10040609, 2014-01-01, 24, 10, pp. 2634-2641., SCOPUS

ADCA163 ŠEPELÁK, Vladimír - BAABE, D. - LITTERST, F.J. - BECKER, Klaus Dieter. Structural disorder in the high-energy milled magnesium ferrite. In *Journal of Applied Physics*, 2000, vol. 88, no. 10, p. 5884-5893. (2.275 - IF1999). ISSN 0021-8979.

Ohlasy:

- [1.1] BARBOSA, Geovani Ferreira - DE ARAUJO MACHADO, Fernando Luis - RODRIGUES, Alexandre Ricalde - SILVA, Marcelo S. - FRANCO, Adolfo. Enhanced Magnetic Properties of Zn Substituted Mg Ferrite. In *IEEE*

TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2013, vol. 49, no. 8, pp. 4562., WOS

[1.1] CEDENO-MATTEI, Yarilyn - PERALES-PEREZ, Oscar - UWAKWEH, Oswald N. C. Effect of high-energy ball milling time on structural and magnetic properties of nanocrystalline cobalt ferrite powders. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2013, vol. 341, no., pp. 17., WOS

[1.1] DEY, S. - DEY, S. K. - GHOSH, B. - DASGUPTA, P. - PODDAR, A. - REDDY, V. R. - KUMAR, S. Role of inhomogeneous cation distribution in magnetic enhancement of nanosized $\text{Ni}_{0.35}\text{Zn}_{0.65}\text{Fe}_2\text{O}_4$: A structural, magnetic, and hyperfine study. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2013, vol. 114, no. 9, pp., WOS

[1.1] CHEN, Wei - ZHU, Weiguang. Preparation of Cobalt Ferrite Thick Films and Their Magnetic and Electrical Properties. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2011, vol. 94, no. 4, pp. 1096., WOS

[1.1] JI, Xuemei - LIU, Yao - LI, Minglei - EVANS, David G. - XU, Qinghong. Synthesis of mesoporous Co-spinel ferrite using a hard template and gaseous diffusion. In SOLID STATE SCIENCES. ISSN 1293-2558, 2011, vol. 13, no. 2, pp. 404., WOS

[1.1] LAZAREVIC, Z. Z. - JOVALEKIC, C. - RECNIK, A. - IVANOVSKI, V. N. - MITRIC, M. - ROMCEVIC, M. J. - PAUNOVIC, N. - CEKIC, B. D. - ROMCEVIC, N. Z. Study of manganese ferrite powders prepared by a soft mechanochemical route. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2011, vol. 509, no. 41, pp. 9977., WOS

[1.1] OUNNUNKAD, Kontad (Formerly Suriya) - PHANICHPHANT, Sukon. Cellulose-precursor synthesis of nanocrystalline $\text{Co}_{0.5}\text{Cu}_{0.5}\text{Fe}_2\text{O}_4$ spinel ferrites. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2012, vol. 47, no. 2, pp. 473., WOS

[1.1] QI XIN - ZHOU XIN - SHU DI - ZHAO JING-JING - WANG WEI - CHEN JUAN. Effect of Porous Structure on the Magnetic Properties of $\text{Ni}_x\text{Mg}_{1-x}\text{Zn}_{1-y}\text{Fe}_2\text{O}_4$ Magnetic Materials. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2011, vol. 28, no. 10, pp., WOS

[1.1] SANKARAMAHALINGAM, Angappan - LAWRENCE, John Berchmans. Structural, Optical, and Magnetic Properties of MgFe_2O_4 Synthesized with Addition of Copper. In SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY. ISSN 1553-3174, 2012, vol. 42, no. 1, pp. 121., WOS

[1.1] SCHUETZ, Michael R. - SCHEDL, Andreas E. - WAGNER, Friedrich E. - BREU, Josef. Complexing agent assisted synthesis of high aspect ratio $\text{Fe}^{3+}/\text{Mg}^{2+}$ layered double hydroxides. In APPLIED CLAY SCIENCE. ISSN 0169-1317, 2011, vol. 54, no. 3-4, pp. 281., WOS

[1.1] SINGH, Sukhdeep - RALHAN, N. K. - KOTNALA, R. K. - VERMA, Kuldeep Chand. Nanosize dependent electrical and magnetic properties of NiFe_2O_4 ferrite. In INDIAN JOURNAL OF PURE & APPLIED PHYSICS. ISSN 0019-5596, 2012, vol. 50, no. 10, pp. 739., WOS

[1.1] VERMA, S. - CHAND, J. - BATOO, K. M. - SINGH, M. Cation distribution and Mossbauer spectral studies of $\text{Mg}_{0.2}\text{Mn}_{0.5}\text{Ni}_{0.3}\text{In}_x\text{Fe}_{2-x}\text{O}_4$ ferrites ($x=0.0, 0.05$ and 0.10). In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2013, vol. 565, no., pp. 148., WOS

[1.1] WU, Wei - LIN, Xiong - DUAN, Hongyan - WANG, Jun.
MOSSBAUER AND HIGH-TEMPERATURE MAGNETIC PROPERTIES OF
DIFFERENT SIZE Fe₃O₄ NANOSTRUCTURE. In INTERNATIONAL
JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2012, vol. 26, no. 11,
pp., WOS

ADCA164 ŠEPELÁK, Vladimír - ZATROCH, M. - TKÁČOVÁ, Klára - PETROVIČ, P. -
WISSMANN, S. - BECKER, Klaus Dieter. Structure and properties of the
ball-milled spinel-ferrites. In *Materials Science and Engineering A - Structural
Materials Properties Microstructure and Processing*, 1997, vol. A 226-228, p. 22.
(0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] XU, Y. - LIANG, Y. - JIANG, L. - WU, H. - ZHAO, H. - XUE, D.
Preparation and magnetic properties of ZnFe₂O₄ nanotubes. In *Journal of
Nanomaterials* (2011), 525967., WOS

ADCA165 ŠEPELÁK, Vladimír - DRUSKA, P. - STEINIKE, U. Surface structural
disorder in mechanosynthesized and mechanically activated zinc ferrite. In *Materials
Structure : in Chemistry, Biology, Physics and Technology*, 1999, vol. 6, no. 2, p.
100-101. ISSN 1211-5894.

Ohlasy:

[1.1] MARINCA, T.F. - CHICINAS, I. - ISNARD, O. - POP, V. Structural
and magnetic properties of nanocrystalline ZnFe₂O₄ powder synthesized by
reactive ball milling. In *OPTOELECTRONICS AND ADVANCES
MATERIALS, RAPID COMMUNICATIONS*. Vol. 5, 2011, p. 39, WOS

ADCA166 ŠEPELÁK, Vladimír - MYNDYK, Maksym - WITTE, Ralf - RODER, J. -
MENZEL, D - SCHUSTER, R.H. - HAHN, H. - HEITJANS, Paul - BECKER,
Klaus Dieter. The mechanically induced structural disorder in barium hexaferrite,
BaFe₁₂O₁₉, and its impact on magnetism. In *Faraday Discussions*, 2014, vol. 170,
p. 121-135. (2014 - Current Contents). ISSN 1364-5498.

Ohlasy:

[1.1] SUSLICK, Kenneth S. Mechanochemistry and sonochemistry:
concluding remarks. In *FARADAY DISCUSSIONS*. ISSN 1359-6640, 2014,
vol. 170, no., pp. 411., WOS

ADCA167 ŠEPELÁK, Vladimír - ROGACHEV, A.Y. - STEINIKE, U. - UECKER, D.C.
- KRUMEICH, F. - WISSMANN, S. - BECKER, Klaus Dieter. The synthesis and
structure of nanocrystalline spinel-ferrite produced by high-energy ball-milling
method. In *Materials Science Forum*, 1997, vol. 235-238, p. 139. ISSN 0255-5476.

Ohlasy:

[1.1] ABBAS, Y.M. - MANSOUR, S.A. - IBRAHIM, M.H. -
ALI, S.E. Microstructure characterization and cation distribution of
nanocrystalline cobalt ferrite. In *Journal of Magnetism and Magnetic Materials*
323 (2011) 2748, WOS

[1.1] ABBAS, Y. M. - MANSOUR, S. A. - IBRAHIM, M. H. - ALI, Shehab.
E. Structural and magnetic properties of nanocrystalline stannic substituted cobalt
ferrite. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*.
ISSN 0304-8853, 2012, vol. 324, no. 18, pp. 2781., WOS

[1.1] GURAV, S. K. - SHIRSATH, Sagar E. - KADAM, R. H. - PATANGE,

S. M. - LOHAR, K. S. - MANE, D. R. Less magnetic and larger Zr^{4+} - Zn^{2+} ions co-substituted structural and magnetic properties of ordered $Li_{0.5}Fe_{2.5}O_4$ nanoparticles. In *Materials Research Bulletin*. ISSN 00255408, 2013-09-01, 48, 9, pp. 3530-3536., WOS

ADCA168 ŠEPELÁK, Vladimír - WILDE, L. - STEINIKE, U. - BECKER, Klaus Dieter. Thermal stability of the non-equilibrium cation distribution in nanocrystalline high-energy milled spinel ferrite. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2004, vol. A375-377, p. 865. (1.363 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] AYYAPPAN, S. - PANEERSELVAM, G. - ANTONY, M. P. - PHILIP, John. Structural stability of $ZnFe_2O_4$ nanoparticles under different annealing conditions. *MATERIALS CHEMISTRY AND PHYSICS*. ISSN 0254-0584, AUG 15 2011, vol. 128, no. 3, p. 400-404., WOS

[1.1] BANERJEE, A. M. - PAI, M. R. - MEENA, S. S. - TRIPATHI, A. K. - BHARADWAJ, S. R. Catalytic activities of cobalt, nickel and copper ferros spinels for sulfuric acid decomposition: The high temperature step in the sulfur based thermochemical water splitting cycles. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*. ISSN 0360-3199, APR 2011, vol. 36, no. 8, p. 4768-4780., WOS

[1.1] DEY, S. - DEY, S. K. - MAJUMDER, S. - PODDAR, A. - DASGUPTA, P. - BANERJEE, S. - KUMAR, S. Superparamagnetic behavior of nanosized $Co_{0.2}Zn_{0.8}Fe_2O_4$ synthesized by a flow rate controlled chemical coprecipitation method. *PHYSICA B-CONDENSED MATTER*. ISSN 0921-4526, SEP 1 2014, vol. 448, p. 247-252., WOS

[1.1] DEY, S. - DEY, S. K. - GHOSH, B. - DASGUPTA, P. - PODDAR, A. - REDDY, V. R. - KUMAR, S. Role of inhomogeneous cation distribution in magnetic enhancement of nanosized $Ni_{0.35}Zn_{0.65}Fe_2O_4$: A structural, magnetic, and hyperfine study. *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, SEP 7 2013, vol. 114, no. 9., WOS

[1.1] CHICINAS, Ionel - MARINCA, Traian Florin - NEAMTU, Bogdan Viorel - POPA, Florin - ISNARD, Olivier - POP, Viorel. Synthesis, Structural, and Magnetic Properties of Nanocrystalline/Nanosized Manganese-Nickel Ferrite- $Mn_{0.5}Ni_{0.5}Fe_2O_4$. *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, APR 2014, vol. 50, no. 4, 1., WOS

[1.1] ISMAIL, Ismayadi - HASHIM, Mansor - KANAGESAN, Samikannu - IBRAHIM, Idza Riati - NAZLAN, Rodziah - AB RAHMAN, Wan Norailiana Wan - ABDULLAH, Nor Hapishah - IDRIS, Fadzidah Mohd - BAHMANROKH, Ghazaleh - SHAFIE, Mohd Shamsul Ezzad - MANAP, Masni. Evolving microstructure, magnetic properties and phase transition in a mechanically alloyed $Ni_{0.5}Zn_{0.5}Fe_2O_4$ single sample. *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, FEB 2014, vol. 351, p. 16-24., WOS

[1.1] LAZAREVIC, Zorica Z. - JOVALEKIC, Cedomir - SEKULIC, Dalibor L. - MILUTINOVIC, Aleksandra - BALOS, Sebastian - SLANKAMENAC, Milos - ROMCEVIC, Nebojsa Z. Structural, electrical and dielectric properties of spinel nickel ferrite prepared by soft mechanochemical synthesis. *MATERIALS RESEARCH BULLETIN*. ISSN 0025-5408, OCT 2013, vol. 48, no. 10, p.

4368-4378., WOS

[1.1] LEMINE, O. M. - BOUOUDINA, M. - SAJIEDDINE, M. - AL-SAIE, A. M. - SHAFI, M. - KHATAB, A. - AL-HILALI, M. - HENINI, M. Synthesis, structural, magnetic and optical properties of nanocrystalline ZnFe₂O₄.

PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, MAY 1 2011, vol. 406, no. 10, p. 1989-1994., WOS

[1.1] MANIKANDAN, A. - VIJAYA, J. Judith - KENNEDY, L. John - BOUOUDINA, M. Microwave combustion synthesis, structural, optical and magnetic properties of Zn_{1-x}Sr_xFe₂O₄ nanoparticles. CERAMICS INTERNATIONAL. ISSN 0272-8842, JUL 2013, vol. 39, no. 5, p. 5909-5917., WOS

[1.1] MARINCA, T. F. - CHICINAS, I. - ISNARD, O. - POP, V. Structural and magnetic properties of nanocrystalline ZnFe₂O₄ powder synthesized by reactive ball milling. OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS. ISSN 1842-6573, JAN 2011, vol. 5, no. 1-2, p. 39-43., WOS

[1.1] MILUTINOVIĆ, A. - LAZAREVIĆ, Z. - JOVALEKIĆ, Č. – KURLISZYN-KUDELSKA, I.- ROMČEVIĆ, M. - KOSTIĆ, S. - ROMČEVIĆ, N. The cation inversion and magnetization in nanopowder zinc ferrite obtained by soft mechanochemical processing. In Materials Research Bulletin 48 (11), (2013) p. 4759-4768, WOS

[1.1] NASERI, Mahmoud Goodarz - HALIMAH, M. K. - DEHZANGI, Arash - KAMALIANFAR, Ahmad - SAION, Elias B. - MAINS, Burhanuddin Y. A comprehensive overview on the structure and comparison of magnetic properties of nanocrystalline synthesized by a thermal treatment method. JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS. ISSN 0022-3697, MAR 2014, vol. 75, no. 3, p. 315-327., WOS

ADCA169 ŠEPELÁK, Vladimír - BÉGIN-COLIN, Sylvie - LE CAËR, Gérard. Transformations in oxides induced by high-energy ball-milling. In *Dalton Transactions*, 2012, vol. 41, no. 39, p. 11927-11948. (3.838 - IF2011). (2012 - Current Contents). ISSN 1477-9226.

Ohlasy:

[1.1] BILLIK, P. - CIGAN, A. - CAPLOVICOVA, M. - SKRATEK, M. - DVURECENSKIJ, A. - MAJEROVA, M. - BYSTRICKY, R. - ANTAL, P. - MANKA, J. V₂O₃ nanocrystals prepared by mechanochemical-thermal reduction and their magnetic properties. In MATERIALS LETTERS. ISSN 0167-577X, NOV 1 2013, vol. 110, p. 24-26., WOS

[1.1] FURLONG, O. - MILLER, B. - KOTVIS, P. - ADAMS, H. - TYSOE, W.T. Shear and thermal effects in boundary film formation during sliding. In RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 46, p. 24059-24066., WOS

[1.1] HALASZ, I. - FRISCIC, T. - KIMBER, S.A.J. - UZAREVIC, K. - PUSKARIC, A. - MOTTILLO, C. - JULIEN, P. - STRUKIL, V. - HONKIMAKI, V. - DINNEBIER, R.E. Quantitative in situ and real-time monitoring of mechanochemical reactions. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 203-221., WOS

[1.1] HALASZ, I. - KIMBER, S.A.J. - BELDON, P.J. - BELENGUER, A.M. - ADAMS, F. - HONKIMAKI, V. - NIGHTINGALE, R.C. - DINNEBIER, R.E. - FRISCIC, T. In situ and real-time monitoring of mechanochemical milling

reactions using synchrotron X-ray diffraction. In NATURE PROTOCOLS. ISSN 1754-2189, SEP 2013, vol. 8, no. 9, p. 1718-1729., WOS

[1.1] HERNANDEZ, J.G. - MACDONALD, N.A.J. - MOTTILLO, C. - BUTLER, I.S. - FRISCIC, T. A mechanochemical strategy for oxidative addition: remarkable yields and stereoselectivity in the halogenation of organometallic Re(I) complexes. In GREEN CHEMISTRY. ISSN 1463-9262, 2014, vol. 16, no. 3, p. 1087-1092., WOS

[1.1] IBRAHEM, M.A. - HUANG, W.C. - LAN, T.W. - BOOPATHI, K.M. - HSIAO, Y.C. - CHEN, C.H. - BUDIawan, W. - CHEN, Y.Y. - CHANG, C.S. - LI, L.J. - TSAI, C.H. - CHU, C.W. Controlled mechanical cleavage of bulk niobium diselenide to nanoscaled sheet, rod, and particle structures for Pt-free dye-sensitized solar cells. In Journal of Materials Chemistry A 2 (29), (2014), 11382-11390., WOS

[1.1] JAMES, S.L. - FRISCIC, T. Mechanochemistry. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2013, vol. 42, no. 18, p. 7494-7496., WOS

[1.1] JIA, Chunman - CHEN, Da - ZHANG, Chunyan - ZHANG, Qi - CAO, Bennan - ZHAO, Zhendong. Mechanochemical synthesis of gamma-nitro dicarbonyl compounds via CaCl₂-catalyzed Michael addition. In TETRAHEDRON. ISSN 0040-4020, 2013, vol. 69, no. 35, pp. 7320., WOS

[1.1] LINGOME, C.E. - POURCEAU, G. - GOBERT-DEVEAUX, V. - WADOUACHI, A. Efficient synthesis of glycosylamines in solventless conditions promoted by mechanical milling. In RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 68, p. 36350-36356., WOS

[1.1] PIOT, Lucas - LE FLOCH, Sylvie - CORNIER, Thibaut - DANIELE, Stephane - MACHON, Denis. Amorphization in Nanoparticles. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2013, vol. 117, no. 21, pp. 11133., WOS

[1.1] QI, Feng - STEIN, Robin S. - FRISCIC, Tomislav. Mimicking mineral neogenesis for the clean synthesis of metal-organic materials from mineral feedstocks: coordination polymers, MOFs and metal oxide separation. In GREEN CHEMISTRY. ISSN 1463-9262, 2014, vol. 16, no. 1, pp. 121., WOS

[1.1] RAK, M.J. - FRISCIC, T. - MOORES, A. Mechanochemical synthesis of Au, Pd, Ru and Re nanoparticles with lignin as a bio-based reducing agent and stabilizing matrix. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 170, p. 155-167., WOS

[1.1] RAK, M.J. - SAADE, N.K. - FRISCIC, T. - MOORES, A. Mechanochemical synthesis of ultra-small monodisperse amine-stabilized gold nanoparticles with controllable size. In GREEN CHEMISTRY. ISSN 1463-9262, 2014, vol. 16, no. 1, p. 86-89., WOS

[1.1] RAMAKANTH, S. - RAJU, K.C.J. Charge transfer induced magnetism in sol-gel derived nanocrystalline BaTiO₃. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, JUN 2014, vol. 187, p. 59-63., WOS

[1.1] SHERAFAT, Z. - ANTUNES, I. - ALMEIDA, C. - FRADE, J. R. - PAYDAR, M. H. - MATHER, G. C. - FAGG, D. P. Enhanced BaZrO₃ mechanochemical synthesis by the use of metastable ZrO₂ precursors. In DALTON TRANSACTIONS. ISSN 1477-9226, 2014, vol. 43, no. 24, pp. 9324., WOS

[1.1] SCHLUR, L. - BEGIN-COLIN, S. - GILLIOT, P. - GALLART, M. - CARRE, G. - ZAFEIRATOS, S. - KELLER, N. - KELLER, V. - ANDRE, P. - GRENECHE, J.M. - HEZARD, B. - DESMONTS, M.H. - POURROY, G. Effect

of ball-milling and Fe-/Al-doping on the structural aspect and visible light photocatalytic activity of TiO₂ towards Escherichia coli bacteria abatement. In MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS. ISSN 0928-4931, MAY 1 2014, vol. 38, p. 11-19., WOS

[1.1] STEFANIC, Goran - KREHULA, Stjepko - STEFANIC, Ivka. The high impact of a milling atmosphere on steel contamination. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2013, vol. 49, no. 81, pp. 9245., WOS

[1.1] TAKAHASHI, Y. - KUBUKI, S. - AKIYAMA, K. - SINKO, K. - KUZMANN, E. - HOMONNAY, Z. - RISTIC, M. - NISHIDA, T. Visible light activated photo-catalytic effect and local structure of iron silicate glass prepared by sol-gel method. In HYPERFINE INTERACTIONS. ISSN 0304-3843, APR 2014, vol. 226, no. 1-3, p. 747-753., WOS

[1.1] TAKAHASHI, Y. - KUBUKI, S. - NISHIDA, T. Visible Light-Activated Photocatalytic Effect of Iron-Containing Silicate Glass - A Review. In GREEN CATALYSTS FOR ENERGY TRANSFORMATION AND EMISSION CONTROL. ISSN 0097-6156, 2014, vol. 1184, p. 71-84., WOS

[1.1] TANAKA, S. - KIDA, K. - NAGAOKA, T. - OTA, T. - MIYAKE, Y. Mechanochemical dry conversion of zinc oxide to zeolitic imidazolate framework. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2013, vol. 49, no. 72, p. 7884-7886., WOS

[1.1] TORKNIK, Fatemeh Sadat - KEYANPOUR-RAD, Mansoor - MAGHSOUDIPOUR, Amir - CHOI, Gyeong Man. Effect of microstructure refinement on performance of Ni/Ce_{0.8}Gd_{0.2}O_{1.9} anodes for low temperature solid oxide fuel cell. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2014, vol. 40, no. 1, pp. 1341., WOS

[1.1] TWU, Nancy - LI, Xin - MOORE, Charles - CEDER, Gerbrand. Synthesis and Lithiation Mechanisms of Dirutile and Rutile LiMnF₄: Two New Conversion Cathode Materials. In JOURNAL OF THE ELECTROCHEMICAL SOCIETY. ISSN 0013-4651, 2013, vol. 160, no. 11, pp. A1944., WOS

[1.2] IBRAHEM, M.A. - HUANG, W.C. - LAN, T.W. - BOOPATHI, K.M. - HSIAO, Y.C. - CHEN, C.-H. - BUDIAWAN, W. - CHEN, Y.-Y. - CHANG, C.-S. - LI, L.-J. - TSAI, C.-H. - CHU, C.W. Controlled mechanical cleavage of bulk niobium diselenide to nanoscaled sheet, rod, and particle structures for Pt-free dye-sensitized solar cells. In Journal of Materials Chemistry A. ISSN 2050-7488, vol.2, 2014, iss. 29, pp. 11382-11390, SCOPUS

Zobrazovací formát pre typ dokumentu " nedefinovaný! sysno:233325

ADCA170 ŠKVARLA, Jiří - KUPKA, Daniel - NAVESŇÁKOVÁ, Y. - ŠKVARLOVÁ, A. *An evaluation of the outer membrane charge and softness of Thiobacillus ferrooxidans by the Ohshima's electrophoretic model of a "soft" particle.*

Ohlasy:

[1.1] PLANCHON, Mariane - JITTAWUTTIPOKA, Thichakorn - CASSIER-CHAUVAT, Corinne - GUYOT, Francois - CHAUVAT, Franck - SPALLA, Olivier. Influence of exopolysaccharides on the electrophoretic properties of the model cyanobacterium Synechocystis. In COLLOIDS AND SURFACES B-BIOINTERFACES. ISSN 0927-7765, 2013, vol. 110, no., pp. 171., WOS

ADCA171 ŠPANOVÁ, A. - RITTICH, B - ŠTYRIAK, Igor - ŠTYRIAKOVÁ, Iveta - HORÁK, Daniel. Isolation of polymerase chain reaction-ready bacterial DNA from Lake Baikal sediments by carboxyl- functionalised magnetic polymer microspheres. In *Journal of Chromatography A : international Journal on Chromatography, Electrophoresis and Related Methods*, 2006, vol. 1130, special Issue, p. 115-121. (3.096 - IF2005). (2006 - Current Contents). ISSN 0021-9673.

Ohlasy:

[1.1] DING, L. - LI, X; - ZHANG, C.C. Magnetic P(St-MA) microspheres: preparation, characterization and interaction with BSA. In *Advanced Materials Research* 217-218 (2011), 249- 255., WOS

[1.1] SAMANT, S. - SHA, Q. - IYER, A. - DHABEKAR, P. - HAHN, D. Quantification of Frankia in soils using SYBR Green based qPCR. In *Systematic and Applied Microbiology* 35 (2012), 191- 197, WOS

[1.1] ZHANG B.L. - ZHANG Q.Y. - ZHANG, H.P. - LIU, Y. - FAN, X.L. - XU, H.L. Preparation and Properties of High-Density HBsAg-Conjugated Magnetic Probes. In *Chemical Journal of Chinese Universities-Chinese* 32 (2011), 1070-1076, WOS

[3.1] TOMASZ, L. Purification of Human DNA for DNA Profiling from Body Fluid Contaminated Soil using Superparamagnetic Iron Oxide Nanoparticles (Spions). In Thesis at the University of Central Lancashire, 2014, 1-122.

ADCA172 ŠTEVULOVÁ, Nadežda - BÁLINTOVÁ, Magdaléna - TKÁČOVÁ, Klára. Material and energy interactions between milling bodies, milled particles, and milling environment. In *Journal of Materials Synthesis and Processing*, 2000, vol. 8., no. 5-6., p. 265-270. (0.490 - IF1999). (2000 - WOS, SCOPUS). ISSN 1064-7562.

Ohlasy:

[1.1] BURMEISTER, Christine Friederike - KWADE, Arno. Process engineering with planetary ball mills. In *CHEMICAL SOCIETY REVIEWS*. ISSN 0306-0012, 2013, vol. 42, no. 18, pp. 7660., WOS

[1.1] DVORNIK, M. I. - ZAYTSEV, A. V. Research of surfaces and interfaces increasing during planetary ball milling of nanostructured tungsten carbide/cobalt powder. In *INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS*. ISSN 0263-4368, 2013, vol. 36, no., pp. 271., WOS

[1.1] SEPELAK, Vladimir - GRIGORYEVA, Tatyana Fedorovna. A non-thermal route to oxide nanocomposites by mechanochemical redox reactions. In *INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY*. ISSN 0268-1900, 2014, vol. 49, no. 2-3, pp. 82., WOS

ADCA173 ŠTEVULOVÁ, Nadežda - BUCHAL, Antonín - PETROVIČ, P. - TKÁČOVÁ, Klára - SEPELÁK, Vladimír. Structural investigation of the high-energy milled Fe-Si system. In *Journal of Magnetism and Magnetic Materials*, 1999, vol. 203, no. 1-3, p. 190-192. (0.889 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] BAHRAMI, A. H. - SHARAFI, S. - BAGHBADERANI, H. Ahmadian. The effect of Si addition on the microstructure and magnetic properties of Permalloy prepared by mechanical alloying method. In *ADVANCED POWDER*

TECHNOLOGY. ISSN 0921-8831, 2013, vol. 24, no. 1, pp. 235., WOS
 [1.1] FAGHI, Lotfi - TRIAA, Salim - SIAHMED, Fatiha - AZZAZ, Mohamed. Synthesis and characterization of nanocrystalline Fe-40 at.% Si alloy prepared by high energy ball milling. In INTERNATIONAL JOURNAL OF MATERIALS RESEARCH. ISSN 1862-5282, 2014, vol. 105, no. 1, pp. 32., WOS
 [1.1] WANG, Yi - ZHOU, Qiongyu - ZHONG, Qingdong. A Magnetic Properties and Corrosion Resistance of Fe-Si Alloy Coating Prepared on Mild Steel. In MATERIALS SCIENCE-MEDZIAGOTYRA. ISSN 1392-1320, 2014, vol. 20, no. 4, pp. 414., WOS

ADCA174 ŠTYRIAKOVÁ, Iveta - ŠTYRIAK, Igor - MALACHOVSKÝ, Pavol - VEČEŘA, Zdeňek - KOLOUŠEK, Dávid. Bacterial clay release and iron dissolution during the quality improvement of quartz sands. In *Hydrometallurgy*, 2007, vol. 89, no. 1-2, p. 99-106. ISSN 0304-386X.

Ohlasy:

[1.1] EISELE, T. C. - GABBY, K. L. REVIEW OF REDUCTIVE LEACHING OF IRON BY ANAEROBIC BACTERIA. In MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW. ISSN 0882-7508, 2014, vol. 35, no. 2, pp. 75., WOS
 [1.1] TUNCUK, A. - AKCIL, A. REMOVAL OF IRON FROM QUARTZ ORE USING DIFFERENT ACIDS: A LABORATORY-SCALE REACTOR STUDY. In MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW. ISSN 0882-7508, 2014, vol. 35, no. 4, pp. 217., WOS
 [1.2] DU, Feihu - LI, Jingsheng - LI, Xiaoxia - ZHANG, Zhizhen. Improvement of iron removal from silica sand using ultrasound-assisted oxalic acid. In *Ultrasonics Sonochemistry*. ISSN 13504177, 2011-01-01, 18, 1, pp. 389-393., SCOPUS

ADCA175 ŠTYRIAKOVÁ, Iveta - ŠTYRIAK, Igor - NANDAKUMAR, MP - MATTIASSON, B. Bacterial destruction of mica during bioleaching of kaolin and quartz sands by *Bacillus cereus*. In *World Journal of Microbiology & Biotechnology*, 2003, vol.19, no.6, p. 583-590. (0.498 - IF2002). (2003 - Current Contents). ISSN 0959-3993.

Ohlasy:

[1.1] DU, Feihu - LI, Jingsheng - LI, Xiaoxia - ZHANG, Zhizhen. Improvement of iron removal from silica sand using ultrasound-assisted oxalic acid. In ULTRASONICS SONOCHEMISTRY. ISSN 1350-4177, 2011, vol. 18, no. 1, pp. 389., WOS
 [1.2] LOPES-ASSAD, Maria Leonor - ROSA-MAGRI, Márcia Maria - CECCATO-ANTONINI, Sandra Regina. Solubilization of mineral and rocks: Microorganisms acting to improve soil fertility. In *Soil Nutrients*, 2014-01-01, pp. 127-157., SCOPUS
 [1.2] LOPES-ASSAD, Maria Leonor - ROSA-MAGRI, Márcia Maria - CECCATO-ANTONINI, Sandra Regín. Solubilization of mineral and rocks: Microorganisms acting to improve soil fertility. In *Soil Nutrients*, 2011-12-01, pp. 127-157., SCOPUS
 [1.2] ZENG, Xiaoxi - ZHOU, Hongbo - HU, Yuehua - TANG, Jianxin - LIU, Xueduan - LIU, Feifei - HU, Peilei. The silicon dissolution of kaolinite and illite by extracellular polysacchride and organic acid from *bacillus mucilaginosus*

Lv1-2. In Advanced Science Letters. ISSN 19366612, 2012-12-01, 5, 2, pp. 543-546., SCOPUS

[1.2] ZENG, Xiaoxi - ZHOU, Hongbo - HU, Yuehua - TANG, Jianxin - JIANG, Pei - LI, Wen. Study on the influence factors of desilication in bioleaching by *B. mucilaginosus*. In Advanced Materials Research. ISSN 10226680, 2012-01-01, 415-417, pp. 1740-1743., SCOPUS

ADCA176 ŠTYRIAKOVÁ, Iveta - ŠTYRIAK, Igor - KRAUS, Ivan - HRADIL, D. - GRYGAR, T. - BEZDÍČKA, P. Biodestruction and deferritization of quartz sands by *Bacillus* species. In *Minerals engineering*, 2003, vol. 16, no. 8, p. 709-713. ISSN 0892-6875 (Print).

Ohlasy:

[1.1] DU, Feihu - LI, Jingsheng - LI, Xiaoxia - ZHANG, Zhizhen. Improvement of iron removal from silica sand using ultrasound-assisted oxalic acid. In ULTRASONICS SONOCHEMISTRY. ISSN 1350-4177, 2011, vol. 18, no. 1, pp. 389., WOS

[1.1] KAKSONEN, Anna H. - MUDUNURU, Bhavani Madhu - HACKL, Ralph. The role of microorganisms in gold processing and recovery-A review. In HYDROMETALLURGY. ISSN 0304-386X, FEB 2014, vol. 142, p. 70-83., WOS

[1.1] SCHIPPERS, Axel - HEDRICH, Sabrina - VASTERS, Juergen - DROBE, Malte - SAND, Wolfgang - WILLSCHER, Sabine. Biomining: Metal Recovery from Ores with Microorganisms. In GEOBIOTECHNOLOGY I: METAL-RELATED ISSUES. ISSN 0724-6145, 2014, vol. 141, no., pp. 1., WOS

[1.1] ZENG, Xiaoxi - ZHOU, Hongbo - HU, Yuehua - TANG, Jianxin - JIANG, Pei - LI, Wen. Study on the influence factors of desilication in bioleaching by *B. mucilaginosus*. In ADVANCED MATERIALS, PTS 1-3. ISSN 1022-6680, 2012, vol. 415-417, no., pp. 1740., WOS

[1.1] ZHANG XIANZHEN - SUN DESI - LIN HAI. Screening and Desilication of a Silicate Bacteria. In APPLICATION OF CHEMICAL ENGINEERING, PTS 1-3. ISSN 1022-6680, 2011, vol. 236-238, 1-3, p. 253-257., WOS

[1.1] ZHANG, Zhizhen - LI, Jingsheng - LI, Xiaoxia - HUANG, Houquan - ZHOU, Lifan - XIONG, Tiantian. High efficiency iron removal from quartz sand using phosphoric acid. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, NOV 21 2012, vol. 114, p. 30-34., WOS

[1.2] HACIFAZLIOGLU, Hasan. Methods used in the beneficiation of silica sand and comparison of flotation and magnetic separation in terms of iron removal | Sils kumunun zenginleştirilmesinde kullanılan yöntemler ve flotasyon ile manyetik ayırma yöntemlerinin demir giderimi bakımından karşılaştırılması. In Madencilik. ISSN 00249416, 2011-09-01, 50, 3, pp. 35-48., SCOPUS

[1.2] TAN, Gao - LIU, Lai Bao - LIAO, Qi Long. Preparation of high purity and ultrafine SiO₂ powder from natural quartz. In Gongneng Cailiao/Journal of Functional Materials. ISSN 10019731, 2012-12-30, 43, 24, pp. 3398-3401., SCOPUS

[1.2] ZENG, Xiaoxi - ZHOU, Hongbo - HU, Yuehua - TANG, Jianxin - LIU, Xueduan - LIU, Feifei - HU, Peilei. The silicon dissolution of kaolinite and illite by extracellular polysacchride and organic acid from *bacillus mucilaginosus* Lv1-2. In Advanced Science Letters. ISSN 19366612, 2012-12-01, 5, 2, pp. 543-546., SCOPUS

ADCA177 ŠTYRIAKOVÁ, Iveta - MOCKOVČIAKOVÁ, Annamária - ŠTYRIAK, Igor - KRAUS, Ivan - UHLÍK, Peter - MADEJOVÁ, Jana - DANKOVÁ, Zuzana. Bioleaching of clays and iron oxide coatings from quartz sands. In *Applied Clay Science*, 2012, vol. 61, p. 1-7. (2.474 - IF2011). (2012 - Current Contents). ISSN 0169-1317.

Ohlasy:

[1.1] LIU, Yanju - NAIDU, Ravi. Hidden values in bauxite residue (red mud): Recovery of metals. In *WASTE MANAGEMENT*. ISSN 0956-053X, 2014, vol. 34, no. 12, pp. 2662., WOS

[1.1] PLATOVA, R. A. Fe(III) Bioreduction in a Kaolin Suspension in Storage. In *GLASS AND CERAMICS*. ISSN 0361-7610, 2014, vol. 71, no. 7-8, pp. 286., WOS

[1.1] TUNCUK, A. - AKCIL, A. REMOVAL OF IRON FROM QUARTZ ORE USING DIFFERENT ACIDS: A LABORATORY-SCALE REACTOR STUDY. In *MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW*. ISSN 0882-7508, 2014, vol. 35, no. 4, pp. 217., WOS

[1.2] LI, X.-H. - XU, P. - LI, J.Q. Antimony realese from the sediments of the antimonypollured river. In *Beijing Gongye Daxue Xuebao/ Journal of Beijing University of Technology*, vol.39, 2013, iss.5, pp. 785-791, SCOPUS

ADCA178 ŠTYRIAKOVÁ, Iveta - ŠTYRIAK, Igor - MALACHOVSKÝ, Pavol - LOVÁS, Michal. Biological, chemical and electromagnetic treatment of three types of feldspar raw materials. In *Minerals engineering*, 2006, vol. 19, p. 348-354. ISSN 0892-6875.

Ohlasy:

[1.1] HACIFAZLIOGLU, Hasan. Enrichment of Silica Sand Ore by Cyclojet Flotation Cell. In *SEPARATION SCIENCE AND TECHNOLOGY*. ISSN 0149-6395, 2014, vol. 49, no. 10, pp. 1623., WOS

[1.1] HACIFAZLIOGLU, Hasan - KURSUN, Ilgin - TERZI, Mert. BENEFICIATION OF LOW-GRADE FELDSPAR ORE USING CYCLOJET FLOTATION CELL, CONVENTIONAL CELL AND MAGNETIC SEPARATOR. In *PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING*. ISSN 1643-1049, 2012, vol. 48, no. 2, pp. 381., WOS

[1.1] HE, Qiu-xiang - HUANG, Xiao-chen - CHEN, Zu-Liang. Influence of organic acids, complexing agents and heavy metals on the bioleaching of iron from kaolin using Fe(III)-reducing bacteria. In *APPLIED CLAY SCIENCE*. ISSN 0169-1317, 2011, vol. 51, no. 4, pp. 478., WOS

[1.1] TUNCUK, A. - AKCIL, A. REMOVAL OF IRON FROM QUARTZ ORE USING DIFFERENT ACIDS: A LABORATORY-SCALE REACTOR STUDY. In *MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW*. ISSN 0882-7508, 2014, vol. 35, no. 4, pp. 217., WOS

[1.2] HACIFAZLIOGLU, Hasan - KURSUN, Ilgin - TERZI, Mert. Beneficiation of low-grade feldspar ore using cyclojet flotation cell, conventional cell and magnetic separator. In *Physicochemical Problems of Mineral Processing*. ISSN 16431049, 2012-08-31, 48, 2, pp. 381-392., SCOPUS

[1.2] HACIFAZLIOGLU, Hasan - KURSUN, Ilgin - TERZI, Mert. The removal of coloring minerals from fine Na-Feldspar by cyclojet flotation cell. In: 23rd International Mining Congress and Exhibition of Turkey, IMCET 2013;

Antalya; Turkey; 16 April 2013 through 19 April 2013. Volume 2, 2013, p. 989-995, ISBN 978-163266298-9, SCOPUS

ADCA179 ŠTYRIAKOVÁ, Iveta - JABLONOVSKÁ, Katarína - MOCKOVČIAKOVÁ, Annamária - BEKÉNYIOVÁ, Alexandra - ŠTYRIAK, Igor - KRAUS, Ivan - OSACKÝ, Milan - LOVÁS, Michal. Dissolution of iron from quartz sands by basin bioleaching under static in-situ condition. In *Hydrometallurgy*, 2010, vol. 104, p. 443-447. (2.078 - IF2009). (2010 - Current Contents). ISSN 0304-386X.

Ohlasy:

[1.1] GALAMBOS, M. - ROSSKOPFOVÁ, O. - KUFČÁKOVÁ, J. - RAJEC, P. Utilization of Slovak bentonites in deposition of high-level radioactive waste and spent nuclear fuel. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. 2011, vol. 288, iss. 3, p. 765-771, WOS

ADCA180 ŠTYRIAKOVÁ, Iveta - ŠTYRIAK, Igor. Iron removal from kaolins by bacterial leaching. In *Ceramics-Silikáty*, 2000, vol. 44, no. 4, p. 135-141. (0.208 - IF1999). (2000 - Current Contents). ISSN 0862-5468.

Ohlasy:

[1.1] AGHAIE, E. - PAZOUKI, M. - HOSSEINI, M.R. - RANJBAR, M. Kinetic modeling of the bioleaching process of iron removal from kaolin. In *Applied Clay Science* 65-66 (2012), 43-47, WOS

[1.1] AGHAIE, E. - PAZOUKI, M. - HOSSEINI, M. R. - RANJBAR, M. Kinetic modeling of the bioleaching process of iron removal from kaolin. In *APPLIED CLAY SCIENCE*. ISSN 0169-1317, SEP 2012, vol. 65-66, p. 43-47., WOS

[1.1] EISELE, T. C. - GABBY, K. L. REVIEW OF REDUCTIVE LEACHING OF IRON BY ANAEROBIC BACTERIA. In *MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW*. ISSN 0882-7508, MAR 4 2014, vol. 35, no. 2, p. 75-105., WOS

[1.1] HE, Qiu-xiang - HUANG, Xiao-chen - CHEN, Zu-Liang. Influence of organic acids, complexing agents and heavy metals on the bioleaching of iron from kaolin using Fe(III)-reducing bacteria. In *APPLIED CLAY SCIENCE*. ISSN 0169-1317, 2011, vol. 51, no. 4, pp. 478., WOS

[1.1] PLATOVA, R. A. - CHERNYSHOV, A. N. - MASLENNIKOVA, G. N. Biotreatment of clayey materials and ceramic pastes: directions, methods and experience (review). In *GLASS AND CERAMICS*. ISSN 0361-7610, NOV 2012, vol. 69, no. 7-8, p. 229-235., WOS

[1.1] PLATOVA, R. A. - MASLENNIKOVA, G. N. - PLATOV, Yu T. Biochemical Method of Removing Iron from Zhuravlinsky Log Kaolin. In *GLASS AND CERAMICS*. ISSN 0361-7610, 2013, vol. 70, no. 1-2, pp. 51., WOS

[1.1] PLATOVA, R.A. - CHERNYSHOV, A.N. - MASLENNIKOVA, G.N. Biotreatment of clayey materials and ceramic pastes: directions, methods and experience (review). In *Glass and Ceramics* 69 (2012), 229-235, WOS

[1.1] POORNI, S. - NATARAJAN, K. A. Biomediated separation of kaolinite and hematite using *Bacillus subtilis*. In *INTEGRATION OF SCIENTIFIC AND INDUSTRIAL KNOWLEDGE ON BIOHYDROMETALLURGY*. ISSN 1022-6680, 2013, vol. 825, no., pp. 223., WOS

[1.1] POORNI, S. - NATARAJAN, K. A. Flocculation behaviour of

hematite-kaolinite suspensions in presence of extracellular bacterial proteins and polysaccharides. In COLLOIDS AND SURFACES B-BIOINTERFACES. ISSN 0927-7765, FEB 1 2014, vol. 114, p. 186-192., WOS

[1.1] POORNI, S. - NATARAJAN, K. A. Microbially induced selective flocculation of hematite from kaolinite. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, DEC 10 2013, vol. 125, p. 92-100., WOS

[1.1] POORNI, S. - NATARAJAN, K. A. Biomediated separation of kaolinite and hematite using *Bacillus subtilis*. In INTEGRATION OF SCIENTIFIC AND INDUSTRIAL KNOWLEDGE ON BIOHYDROMETALLURGY. ISSN 1022-6680, 2013, vol. 825, p. 223-226., WOS

[1.1] SABEDOT, Sydney - PETTER, Carlos Otavio - SAMPAIO, Carlos Hoffmann. Spectrophotometric characterization of iron and titanium minerals in sedimentary kaolin deposit. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, 2013, vol. 124, no., pp. 35., WOS

[1.1] ZEGEYE, Asfaw - YAHAYA, Sani - FIALIPS, Claire I. - WHITE, Maggie L. - GRAY, Neil D. - MANNING, David A. C. Refinement of industrial kaolin by microbial removal of iron-bearing impurities. In APPLIED CLAY SCIENCE. ISSN 0169-1317, DEC 2013, vol. 86, p. 47-53., WOS

[1.1] ZHANG XIANZHEN - SUN DESI - LIN HAI. Screening and Desilication of a Silicate Bacteria. In APPLICATION OF CHEMICAL ENGINEERING, PTS 1-3. ISSN 1022-6680, 2011, vol. 236-238, 1-3, p. 253-257., WOS

[1.2] AJAYI, O.A. - ADEFILA, S.S. Comparative Study of Chemical And Biological Methods of Beneficiation of Kankara Kaolin. In International Journal of Scientific & Technology Research 1 (2012), 13-18, SCOPUS

[3] FOLORUNSO, D.O. Comparative Study of the Responses of Three Clay Deposits to Deferration by an Organic Acid. In Journal of Mechanical and Civil Engineering (IOSR- JMCE) 11 (2014), 5, 82-89.

[3] MUSTAFA, A.M.K. - BADER N.D. - KHACHIEK, T.V. - FLEAH, I.K. - ISSA, I.G. Biobleaching of Al-Soofi and Dwaikhla Kaolins from Iraqi Western Desert, For Paper Industry. In Iraqi Bulletin of Geology and Mining, Vol. 7 (2011), No. 2, 69-78

ADCA181 ŠTYRIAKOVÁ, Iveta - ŠTYRIAK, Igor - MALACHOVSKÝ, Pavol.

Nutrients enhancing the bacterial iron dissolution in the processing of feldspar raw materials. In *Ceramics-Silikáty*, 2007, vol. 51, no.4, p. 202-209. (0.597 - IF2006). (2007 - Current Contents). ISSN 0862-5468.

Ohlasy:

[1.1] GHORBANZADEH, N. - LAKZIAN, A. - HAGHNIA, G. H. - KARIMI, A. R. Isolation and identification of ferric reducing bacteria and evaluation of their roles in iron availability in two calcareous soils. In EURASIAN SOIL SCIENCE. ISSN 1064-2293, 2014, vol. 47, no. 12, pp. 1266., WOS

[1.1] HE, Qiu-xiang - HUANG, Xiao-chen - CHEN, Zu-Liang. Influence of organic acids, complexing agents and heavy metals on the bioleaching of iron from kaolin using Fe(III)-reducing bacteria. In APPLIED CLAY SCIENCE. ISSN 0169-1317, 2011, vol. 51, no. 4, pp. 478., WOS

[1.1] SARKA, E. BY-PRODUCTS OF SUGAR AND STARCH

FACTORIES GENESIS, USE AND QUALITY OPTIMIZATION. In LISTY CUKROVARNICKE A REPARSKE. ISSN 1210-3306, 2012, vol. 128, no. 9-10, pp. 307., WOS

- ADCA182 ŠTYRIAKOVÁ, Iveta - ŠTYRIAK, Igor - OBERHANSKI, H. Rock weathering by indigenous heterotrophic bacteria of *Bacillus* spp. at different temperature: a laboratory experiment. In *Mineralogy and Petrology*, 2012, vol. 105, p. 135-144. (1.278 - IF2011). (2012 - Current Contents). ISSN 0930-0708.

Ohlasy:

[1.1] SCHULZ, S. - BRANKATSCHK, R. - DUEMIG, A. - KOEGEL-KNABNER, I. - SCHLOTER, M. - ZEYER, J. The role of microorganisms at different stages of ecosystem development for soil formation. In *BIOGEOSCIENCES*. ISSN 1726-4170, 2013, vol. 10, no. 6, pp. 3983., WOS

[1.1] WANG, Qi - WANG, Rong Rong - HE, Lin Yan - LU, Jia Jia - HUANG, Zhi - SHENG, Xia Fang. Changes in weathering effectiveness and community of culturable mineral-weathering bacteria along a soil profile. In *BIOLOGY AND FERTILITY OF SOILS*. ISSN 0178-2762, 2014, vol. 50, no. 7, pp. 1025., WOS

[1.2] MAN, Li Yang - CAO, Xiao Yan - SUN, De Si. Effect of potassium-solubilizing bacteria-mineral contact mode on decomposition behavior of potassium-rich shale. In *Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals*. ISSN 10040609, 2014-01-01, 24, 4, pp. 1099-1109., SCOPUS

[1.2] TANG, Xiaopang - CHEN, Ye - CAO, Fei - SUN, Desi. Breeding of potassium-dissolved Fungi by protoplast mutagenesis and bioleaching potassium-rich shale. In *Zhongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Central South University (Science and Technology)*. ISSN 16727207, 2014-01-01, 45, 10, pp. 3329-3338., SCOPUS

- ADCA183 ŠTYRIAKOVÁ, Iveta - ŠTYRIAK, Igor - GALKO, Igor - HRADIL, D. - BEZDIČKA, P. The release of iron-bearing minerals and dissolution of feldspars by heterotrophic bacteria of *Bacillus* species. In *Ceramics-Silikáty*, 2003, vol. 47, no.1, p. 20-26. ISSN 0862-5468.

Ohlasy:

[1.1] ABOU-EL-SEOUD, I. I. - ABDEL-MEGEED, A. Impact of rock materials and biofertilizations on P and K availability for maize (*Zea Maize*) under calcareous soil conditions. In *SAUDI JOURNAL OF BIOLOGICAL SCIENCES*. ISSN 1319-562X, 2012, vol. 19, no. 1, pp. 55., WOS

[1.1] ABOU-EL-SEOUD, I.I. - ABDEL-MEGEED, A. Impact of rock materials and biofertilizations on P and K availability for maize (*Zea Maize*) under calcareous soil conditions. In *Saudi Journal of Biological Sciences* 19 (2012), 55-63, WOS

[1.1] COCKELL, Charles S. Life in the lithosphere, kinetics and the prospects for life elsewhere. In *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES*. ISSN 1364-503X, 2011, vol. 369, no. 1936, pp. 516., WOS

[1.1] ZHANG XIANZHEN - SUN DESI - LIN HAI. Screening and Desilication of a Silicate Bacteria. In *Advanced Materials Research; 2011 International Conference on Chemical Engineering and Advanced Materials, CEAM 2011; Changsha; China; 28 May 2011 through 30 May 2011; Code*

84977. PTS 1-3. ISSN 1022-6680, 2011, vol. 236-238, 2011, p. 253-257, WOS
 [1.2] KHALID, K.A. Review: Biological fertilization and its effect on medicinal and aromatic plants. In Bioscience 4 (2012), 124-133, SCOPUS
 [3.1] ARTI SHANWARE, S. - SUREKHA KALKAR, A. - MINAL TRIVEDI, M. Potassium Solubilisers: Occurrence, Mechanism and Their Role as Competent Biofertilizers. In Int. J. Curr. Microbiol. App. Sci 3 (2014), 9, 622-629.
 [3.1] HOSEIN TALAEI, G. - ESLAMI, A. - SHAHGHOLI, H. Effect of biological fertilization on medicinal plants. In International Journal of Biosciences 5 (2014), 7, 16-31
 [3.1] HUSSAIN, S.A. - AHMAD, K. - NAQVI, A. - KHAN, T. - NAFEES, M.A. - HUSSAIN, M. - ABASS, Q. - ALI, M. - AKBER, M. - KHAN, S.W. The colossal influence of biological fertilization on medicinal and aromatic plants. In J. Bio. & Env. Sci. 5 (2014), 5, 299-314
 [3.1] SINDHU S.S. - PARMAR, P. - PHOUR, M. Nutrient Cycling: Potassium solubilization by microorganisms and improvement of crop growth. In Geomicrobiology and Biogeochemistry, Soil Biology 39 (2014), 175-198
 [3.1] SREENIVASULU, B. - CHALAPATHI, K. - PARAMAGEETHAM, C. - PRASADA BABU, G. Vitro phosphate solubilization abilities of three indigenous bacteria isolated from Muscovite mine. In Int. J. Curr. Microbiol. App. Sci 3 (2014), 8, 135-143
 [3.1] SRIVASTAVA, A.K. Exploiting Nutrient-Microbe Synergy in Unlocking Productivity Potential of Perennial Fruits. National Conference on Soil Health: A Key to Unlock and Sustain Production Potential. In Jabalpur Chapter of Indian Society of Soil Science, Department of Soil Science & Agril. Chemistry Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur (2014), 69-92

ADCA184 ŠTYRIAKOVÁ, Iveta - BHATTI, T.M. - BIGHAM, J.M. - ŠTYRIAK, Igor - VUORINEN, Juha-Matti - TUOVINEN, Olli H. Weathering of phlogopite by *Bacillus cereus* and *Acidithiobacillus ferrooxidans*. In *Canadian journal of microbiology : revue canadienne de microbiologie*, 2004, vol. 50, no.3, p. 213-219. (1.094 - IF2003). ISSN 0008-4166.

Ohlasy:

[1.1] DONG, Yingbo B. - LIN, Hai - ZHOU, Shanshan - XU, Xiaofang - ZHANG, Yue. Effects of quartz addition on chalcopyrite bioleaching in shaking flasks. In MINERALS ENGINEERING. ISSN 0892-6875, 2013, vol. 46-47, no., pp. 177., WOS
 [3.1] SINDHU, S.S. - PARMAR, P. - PHOUR, M. Nutrient Cycling: Potassium solubilization by microorganisms and improvement of crop growth. In Geomicrobiology and Biogeochemistry, Soil Biology 39 (2014), 175-198

ADCA185 TAKACS, Laszlo - BALÁŽ, Peter - TOROSYAN, A.R. Ball milling-induced reduction of MoS₂ with Al. In *Journal of Materials Science*, 2006, vol. 41, p. 7033-7039. (0.901 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0022-2461.

Ohlasy:

[1.1] ABDELLAHI, Majid - HEIDARI, Javad - SABOUI, Rahman. Influence of B source materials on the synthesis of TiB₂-Al₂O₃ nanocomposite powders by mechanical alloying. In INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS. ISSN 1674-4799, 2013, vol.

20, no. 12, pp. 1214., WOS

[1.1] ABDELLAHI, M. - ZAKERI, M. - BAHMANPOUR, H. Events and reaction mechanisms during the synthesis of an Al₂O₃-TiB₂ nanocomposite via high energy ball milling. In *FRONTIERS OF CHEMICAL SCIENCE AND ENGINEERING*. ISSN 2095-0179, 2013, vol. 7, no. 2, pp. 123., WOS

[1.1] BAFGHI, M. Sh. - SAKAKI, M. - KHAKI, J. Vahdati - ZHANG, Q. - SAITO, F. Evaluation of process behavior and crystallite specifications of mechano-chemically synthesized WC-Al₂O₃ nano-composites. In *MATERIALS RESEARCH BULLETIN*. ISSN 0025-5408, 2014, vol. 49, no., pp. 160., WOS

[1.1] KHAGHANI-DEHAGHANI, M. A. - EBRAHIMI-KAHRIZSANGI, R. - SETOUDEH, N. - NASIRI-TABRIZI, B. Mechanochemical synthesis of Al₂O₃-TiB₂ nanocomposite powder from Al-TiO₂-H₃BO₃ mixture. In *INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS*. ISSN 0263-4368, 2011, vol. 29, no. 2, pp. 244., WOS

[1.1] SAKAKI, M. - BAFGHI, M. Sh. - KHAKI, J. Vahdati - ZHANG, Q. - SAITO, F. Conversion of W₂C to WC phase during mechano-chemical synthesis of nano-size WC-Al₂O₃ powder using WO₃-2Al-(1+x)C mixtures. In *INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS*. ISSN 0263-4368, 2013, vol. 36, no., pp. 116., WOS

[1.1] SETOUDEH, N. - WELHAM, N. J. Mechanochemical reduction of SrSO₄ by Mg. In *INTERNATIONAL JOURNAL OF MINERAL PROCESSING*. ISSN 0301-7516, 2012, vol. 104, no., pp. 49., WOS

[1.1] SETOUDEH, N. - WELHAM, Nj. Ball milling induced reduction of SrSO₄ by Al. In *INTERNATIONAL JOURNAL OF MINERAL PROCESSING*. ISSN 0301-7516, 2011, vol. 98, no. 3-4, pp. 214., WOS

[1.2] HOSEINPUR, Arman - BEZANAJ, Malihe Mohammadi - KHAKI, Jalil Vahdati. The effect of Al₂O₃ and CaO presence on the kinetics of mechanochemical reduction of MoS₂ by Zn. In *Journal of Alloys and Compounds*. ISSN 09258388, 2014-01-01, 587, pp. 646-651., SCOPUS

[1.2] MOTE, V.D. - PURUSHOTHAM, Y. - DOLE, B.N. Structural, morphological and optical properties of Mn doped ZnS nanocrystals. In *Ceramica*, Vol. 59 (2013), p. 395-400, SCOPUS

[1.2] MOTE, V.D. - PURUSHOTHAM, Y. - DOLE, B.N. Structural, morphological and optical properties of Mn doped ZnS nanocrystals. In *Ceramica*, Vol. 59 (2013), p. 614-619, SCOPUS

[1.2] URAKAEV, Farit Kh. Phenomenology, mechanism and kinetics of the combustion reactions in mechanochemical reactors for the example of Zn-S-Sn system processing in a ball mill (overview). In *International Journal of Computational Materials Science and Surface Engineering*. ISSN 17533465, 2013-10-17, 5, 3, pp. 224-261., SCOPUS

ADCA186 TAKACS, Laszlo - ŠEPELÁK, Vladimír. Quantitative comparison of the efficiency of mechanochemical reactors. In *Journal of Materials Science*, 2004, vol. 39, no.16-17, p. 5487-5489. (0.826 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0022-2461.

Ohlasy:

[1.1] BALAZ, Peter - ACHIMOVICOVA, Marcela - BALAZ, Matej - BILLIK, Peter - CHERKEZOVA-ZHELEVA, Zara - MANUEL CRIADO, Jose - DELOGU, Francesco - DUTKOVA, Erika - GAFFET, Eric - JOSE GOTOR, Francisco - KUMAR, Rakesh - MITOV, Ivan - ROJAC, Tadej - SENNA,

Mamoru - STRELETSKII, Andrey - WIECZOREK-CIUROWA, Krystyna. Hallmarks of mechanochemistry: from nanoparticles to technology. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2013, vol. 42, no. 18, pp. 7571., WOS

[1.1] DOS SANTOS TONELLO, Karolina Pereira - TROMBINI, Vania - DE ALMEIDA BRESSIANI, Ana Helena - BRESSIANI, Jose Carlos. CERAMIC PROCESSING OF NBC NANOMETRIC POWDERS OBTAINED BY HIGH ENERGY MILLING AND BY REACTIVE MILLING. In ADVANCED POWDER TECHNOLOGY VIII, PTS 1 AND 2. ISSN 0255-5476, 2012, vol. 727-728, no., pp. 909., WOS

[1.1] GOTOR, F.J. - ACHIMOVICOVA, M. - REAL, C. - BALAZ, P. Influence of the milling, WOS

[1.1] MOHAMMADNEJAD, Sima - PROVIS, John L. - VAN DEVENTER, Jannie S. J. Effects of grinding on the preg-robbing potential of quartz in an acidic chloride medium. In MINERALS ENGINEERING. ISSN 0892-6875, 2013, vol. 52, no., pp. 31., WOS

[1.1] TONELLO, K.P.S. - TROMBINI, V. - BRESSIANI, A.H.A. - BRESSIANI, J.C. Ceramic, WOS

ADCA187 TIMKO, Milan - DŽAROVÁ, Anežka - KOPČANSKÝ, Peter - ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - KOVÁČ, Jozef - ŠPRINCOVÁ, Adriana - VÁCLAVÍKOVÁ, Miroslava - IVANIČOVÁ, Lucia - VÁVRA, Ivo. Magnetic Properties of Magnetite Formed by Biomineralization and Chemical Synthesis. In *Acta Physica Polonica A*, 2008, vol. 113, no. 1, p. 573-576. (0.340 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.

Ohlasy:

[1.1] JOZEF CZAK, A. - HORNOWSKI, T. - ROZYNEK, Z. - SKUMIEL, A. - FOSSUM, J.O. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. APR 2013, vol. 34, no. 4, p. 609-619., WOS

[1.1] JOZEF CZAK, A. - HORNOWSKI, T. - ROZYNEK, Z. - SKUMIEL, A. - FOSSUM, J. O. Rheological Study of Dextran-Modified Magnetite Nanoparticle Water Suspension. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2013, vol. 34, no. 4, pp. 609., WOS

[1.1] SUN, J.B. - LI, Y. - LIANG, X.J. - WANG, P.C. Bacterial Magnetosome: A Novel Biogenetic Magnetic Targeted Drug Carrier with Potential Multifunctions. In JOURNAL OF NANOMATERIALS. Art. no. 469031. 2011., WOS

ADCA188 TKÁČOVÁ, Klára - ŠTEVULOVÁ, N. - LIPKA, Ján - ŠEPELÁK, Vladimír. Contamination of quartz by iron in energy-intensive grinding in air and liquids of various polarity. In *Powder Technology*, 1995, vol. 83, no. 2, p. 163-171. ISSN 0032-5910.

Ohlasy:

[1.1] WILSON, P. J. - BLACKBURN, S. - GREENWOOD, R. W. - PRAJAPTI, B. - SMALLEY, K. The role of zircon particle size distribution, surface area and contamination on the properties of silica-zircon ceramic materials. In Journal of the European Ceramic Society. ISSN 09552219, 2011-08-01, 31, 9, pp. 1849-1855., WOS

[1.1] WILSON, P. J. - BLACKBURN, S. - GREENWOOD, R. W. - PRAJAPTI, B. - SMALLEY, K. The effect of alumina contamination from the

ball-milling of fused silica on the high temperature properties of injection moulded silica ceramic components. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2011, vol. 31, no. 6, pp. 977., WOS

ADCA189 TKÁČOVÁ, Klára - HEEGEN, H. - ŠTEVULOVÁ, Nadežda. Energy-transfer and conversion during comminution and mechanical activation. In *International Journal of Mineral Processing*, 1993, vol. 40., no. 1-2, p. 17-31. ISSN 0301-7516.

Ohlasy:

[1.1] FOTOOHI, B. - BLACKBURN, S. Effects of mechanochemical processing and doping of functional oxides on phase development in synthesis of cordierite. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2012, vol. 32, no. 10, pp. 2267., WOS

[1.1] NATH, S. K. - KUMAR, Sanjay - KUMAR, Rakesh. Effect of mechanical activation on cordierite synthesis through solid-state sintering method. In BULLETIN OF MATERIALS SCIENCE. ISSN 0250-4707, 2014, vol. 37, no. 6, pp. 1221., WOS

[1.1] TERZIC, A. - ANDRIC, Lj. - STOJANOVIC, J. - OBRADOVIC, N. - KOSTOVIC, M. Mechanical Activation as Sintering Pre-treatment of Talc for Steatite Ceramics. In SCIENCE OF SINTERING. ISSN 0350-820X, 2014, vol. 46, no. 2, pp. 247., WOS

[1.1] XU BO - WANG SHU-LIN - LI LAI-QIANG - LI SHENG-JUAN. Structure evolvement of solid particles and mechano-chemical effect. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2012, vol. 61, no. 9, pp., WOS

ADCA190 TKÁČOVÁ, Klára - ŠTEVULOVÁ, N.. Change in structure and enthalpy of carbonates and quartz accompanying grinding in air and aqueous environments. In *Powder Technology*, 1987, vol. 52, no. 2, p. 161-166. ISSN 0032-5910.

Ohlasy:

[1.1] TORAMAN, O. Y. - KATIRCIOGLU, D. Effect of Various Operating Factors on Wet Stirred Mill Performance. In PARTICULATE SCIENCE AND TECHNOLOGY. ISSN 0272-6351, 2011, vol. 29, no. 3, pp. 242., WOS

[1.2] TORAMAN, O. Y. Ultra fine grinding of calcite (CaCO₃) power in a vertical stirred mill: Effect of some variables on product fineness. In *Calcite: Formation, Properties and Applications*, 2012-12-01, pp. 301-306., SCOPUS

[1.2] TORAMAN, O. Y. Ultra fine grinding of calcite powder in a stirred media mill: The effect of some parameters on product size distribution. In IMCET 2011 Proceedings of the 22nd International Mining Congress of Turkey, 2011-01-01, pp. 227-231., SCOPUS

ADCA191 TKÁČOVÁ, Klára - BALÁŽ, Peter. Reactivity of mechanically activated chalcopyrite. In *International Journal of Mineral Processing*, 1996, vol. 44-45., special Issue, p. 197-208. ISSN 0301-7516.

Ohlasy:

[1.1] ONISEI, Silviana - BADILITA, Viorel - STOICIU, Florin - VELEA, Teodor - PREDICA, Vasile - LUPU, Cornelia - BUTU, Mihai - MOLDOVAN, Petru. Mechanochemical Activation of Copper Concentrate and the Effect on Oxidation of Metal Sulphides. In REVISTA DE CHIMIE. ISSN 0034-7752, 2012, vol. 63, no. 6, pp. 591., WOS

[1.1] TURAN, M. D. Direct selective leaching of chalcopyrite concentrate. In CANADIAN METALLURGICAL QUARTERLY. ISSN 0008-4433, 2014, vol.

53, no. 4, pp. 444., WOS

[1.2] MU, J. E. - SHI, Y. T. - YUAN, F. - LIU, J. Mechanochemical behavior of BaNd₂Ti₄O₁₂ powder in ball milling for high κ microwave applications. In Ceramic Transactions. ISSN 10421122, 2012-12-10, 235, pp. 135-146., SCOPUS

ADCA192 TKÁČOVÁ, Klára - BALÁŽ, Peter - MIŠURA, B. - VIGDERGAUZ, V.A. - CHANTURIYA, V.A. Selective Leaching of Zinc from Mechanically Activated Complex Cu-Pb-Zn Concentrate. In *Hydrometallurgy*, 1993, vol. 33, p. 291-300. ISSN 0304-386X.

Ohlasy:

[1.1] CHEN, L. - HANGJUN, H. - DUOQIANG, L. - HAN, H. - LUMAN, M. - SONG, Y. - SIQIANG, L. Influence of the mechanical activation on the reactivity of Germanium-containing zinc neutral leaching residue. Book Editor(s): Kao J.C.M. - Sung W.P. Chen, R. Book Series: Advanced Materials Research, Vol. 581-582 (2012), 868-872, WOS

[1.1] CHEN, L. - HANGJUN, H. - DUOQIANG, L. - HAN, H. - LUMAN, M. - SONG, Y. -, WOS

[1.1] LEE, J. Grinding effects on the change of particle properties in cupric sulfide, CuS. In *Advanced Powder Technology*, Vol. 23 (2012), Issue 6, 731-735, WOS

[1.1] LIU CHEN - HE HANGJUN - LIANG DUOQIANG - HUANG HAN - MAN LUMAN - SONG YU - LUO SIQIANG. Influence of the mechanical activation on the reactivity of Germanium-containing zinc neutral leaching residue. In *FRONTIERS OF MATERIALS, CHEMICAL AND METALLURGICAL TECHNOLOGIES*, PTS 1 AND 2. ISSN 1022-6680, 2012, vol. 581-582, no., pp. 868., WOS

ADCA193 TKÁČOVÁ, Klára - ŠEPELÁK, Vladimír - ŠTEVULOVÁ, N. - BOLDYREV, V. Structure-reactivity study of mechanically activated zinc ferrite. In *Journal of Solid State Chemistry*, 1996, vol. 123, no. 1, p. 100-108. ISSN 0022-4596.

Ohlasy:

[1.1] GHATAK, S. - SINHA, M. - MEIKAP, A. K. - PRADHAN, S. K. Anomalous electrical transport properties of nonstoichiometric nickel ferrite below room temperature. In *MATERIALS RESEARCH BULLETIN*. ISSN 0025-5408, 2011, vol. 46, no. 7, pp. 1055., WOS

[1.1] LIU CHEN - HE HANGJUN - LIANG DUOQIANG - HUANG HAN - MAN LUMAN - SONG YU - LUO SIQIANG. Influence of the mechanical activation on the reactivity of Germanium-containing zinc neutral leaching residue. In *FRONTIERS OF MATERIALS, CHEMICAL AND METALLURGICAL TECHNOLOGIES*, PTS 1 AND 2. ISSN 1022-6680, 2012, vol. 581-582, no., pp. 868., WOS

[1.1] LI, Xuan-hai - ZHANG, Yan-juan - PAN, Liu-ping - WEI, Yan-song. Effect of mechanical activation on dissolution kinetics of neutral leach residue of zinc calcine in sulphuric acid. In *TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA*. ISSN 1003-6326, 2013, vol. 23, no. 5, pp. 1512., WOS

[1.1] MARINCA, Traian Florin - CHICINAS, Ionel - ISNARD, Olivier. Influence of the heat treatment conditions on the formation of CuFe₂O₄ from mechanical milled precursors oxides. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, 2012, vol. 110, no. 1, pp. 301., WOS

[1.1] MILUTINOVIC, A. - LAZAREVIC, Z. - JOVALEKIC, C. - KURLISZYN-KUDELSKA, I. - ROMCEVIC, M. - KOSTIC, S. - ROMCEVIC, N. The cation inversion and magnetization in nanopowder zinc ferrite obtained by soft mechanochemical processing. MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, NOV 2013, vol. 48, no. 11, p. 4759-4768., WOS

[1.1] YAO, Jinhuan - LI, Xuanhai - PAN, Liuping - MO, Jiamei. Enhancing Physicochemical Properties and Indium Leachability of Indium-Bearing Zinc Ferrite Mechanically Activated Using Tumbling Mill. In METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE. ISSN 1073-5615, 2012, vol. 43, no. 3, pp. 449., WOS

[1.1] YAO, J. - LI, X. - PAN, L. - MO, J. - WEN, Z. Kinetics of leaching zinc and indium from indium-bearing zinc ferrite mechanically activated by tumbling mill. In MINERALS & METALLURGICAL PROCESSING. ISSN 0747-9182, 2013, vol. 30, no. 1, pp. 45., WOS

[1.2] ZHANG, Y.J. - LI, X.H. - PAN, L.P. - WEI, Y.S. Influences of mechanical activation on dissolution kinetics and physicochemical properties of indium-bearing zinc ferrite. In Chinese Journal of Nonferrous Metals 22 (2012), 315, SCOPUS

ADCA194 TURČÁNIOVÁ, Ľudmila - BALÁŽ, Peter. Reactivity of coal activated by mechanochemical treatment. In *Journal of Materials Synthesis and Processing*, 2000, vol. 8., no. 5-6, p. 365-367. (0.490 - IF1999). (2000 - WOS, SCOPUS). ISSN 1064-7562.

Ohlasy:

[3] PAN, R.K. – WANG, L. – CHEN, X.J. – CHEN, H.D. Study on Permeability Characteristic of Unloading Coal Body and Stress Effect of Microstructure. In *Coal Science and Technology*, Vol. 41 (2013), No. 7, p. 75-78

ADCA195 TURČÁNIOVÁ, Ľudmila - KÁDÁROVÁ, Júlia - IMRICH, Peter - LIPTAY, T - VIDLÁŘ, Jiří - FOLDYNA, Josef - SITEK, J. - BALÁŽ, Peter. Reactivity of mechanically activated coals for special utilization. In *Journal of Materials Science*, 2004, vol. 39, p. 5467-5470. (0.826 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0022-2461.

Ohlasy:

[4] MACHÁČKOVÁ, M. Lignitové hydrokoloidy. Diplomová práce. Centrum materiálového výzkumu, Fakulta chemická, Vysoké učení technické v Brně, Brno 2013, 74 s.

ADCA196 TURČÁNIOVÁ, Ľudmila - SOONG, Y. - LOVÁS, Michal - MOCKOVČIAKOVÁ, Annamária - ORINÁK, Andrej - JUSTÍNOVÁ, M. - ZNAMENÁČKOVÁ, Ingrid - PRAŠČÁKOVÁ, Mária - MARCHANT, S. The effect of microwave radiation on the triboelectrostatic separation of coal. In *Fuel*, 2004, vol. 83., no. 14-15, p. 2075-2079. ISSN 0016-2361.

Ohlasy:

[1.1] BINNER, Eleanor - LESTER, Edward - KINGMAN, Sam - DODDS, Chris - ROBINSON, John - WU, Tao - WARDLE, Peter - MATHEWS, Jonathan P. A Review of Microwave Coal Processing. In *JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY*. ISSN 0832-7823, 2014, vol.

48, no. 1, pp. 35., WOS

[1.1] WANG, Haifeng - CAI, Bin - CHEN, Qingru - GE, Linhan - CHEN, Shuhe. The effects of chemical pretreatment on tribocharging of density fraction coal. In JOURNAL OF ELECTROSTATICS. ISSN 0304-3886, 2014, vol. 72, no. 1, pp. 65., WOS

[1.1] WU YUE - PENG SUQIN - JI DENGGAO - LIU YIZHOU - CAI YANGHUI. Research of Coal Desulfurization on Microwave. In RESOURCES AND SUSTAINABLE DEVELOPMENT, PTS 1-4. ISSN 1022-6680, 2013, vol. 734-737, no., pp. 967., WOS

[3] PENG, S.Q - JI, D.G.- LIU, Y.Z.- WU, Y - CAI, Y.H.- GUO, X.L. Mei tan wei bo tuo liu shi

[3.1] ZHU, B.W. Effect of zinc chloride on ethanol extraction Shenfu coal under microwave-assisted extraction. In Journal of Chemical Industry & Engineering, Vol. 35 (2014), No. 3, 4-8

ADCA197 TURIANICOVÁ, Erika - OBUT, Abdullah - TUČEK, Ľubomír - ZORKOVSKÁ, Anna - GIRGIN, Ismail - BALÁŽ, Peter - NÉMETH, Zoltán - MATIK, Marek - KUPKA, Daniel. Interaction of natural and thermally processed vermiculites with gaseous carbon dioxide during mechanical activation. In *Applied Clay Science*, 2014, vol. 88-89, p. 86-91. (2.703 - IF2013). (2014 - Current Contents). ISSN 0169-1317.

Ohlasy:

[1.1] RUIZ, M. C. - GRANDON, L. - PADILLA, R. Selective arsenic removal from enargite by alkaline digestion and water leaching. In HYDROMETALLURGY. ISSN 0304-386X, DEC 2014, vol. 150, p. 20-26., WOS

ADCA198 VÁCLAVÍKOVÁ, Miroslava - GALLIOS, G.P. - HREDZÁK, Slavomír - JAKABSKÝ, Štefan. Removal of arsenic from water streams: An overview of available techniques. In *Clean Technologies and Environmental Policy*, 2008, vol. 10, no. 1, p. 89-95. ISSN 1618-954X.

Ohlasy:

[1.1] AJITH, Nicy - DALVI, Aditi A. - SWAIN, Kallola K. - DEVI, P. S. Remya - KALEKAR, Bhupesh B. - VERMA, Rakesh - REDDY, A. V. R. Sorption of As(III) and As(V) on chemically synthesized manganese dioxide. In JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING. ISSN 1093-4529, MAR 1 2013, vol. 48, no. 4, p. 422-428., WOS

[1.1] ARAR, Ozgur - KABAY, Nalan - SANCHEZ, Julio - RIVAS, Bernabe L. - BRYJAK, Marek - PENA, Carlos. Removal of Arsenic from Water by Combination of Electro-Oxidation and Polymer Enhanced Ultrafiltration. In ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY. ISSN 1944-7442, OCT 2014, vol. 33, no. 3, p. 918-924., WOS

[1.1] AWUAL, Md. Rabiul - SHENASHEN, M. A. - YAITA, Tsuyoshi - SHIWAKU, Hideaki - JYO, Akinori. Efficient arsenic(V) removal from water by ligand exchange fibrous adsorbent. In WATER RESEARCH. ISSN 0043-1354, NOV 1 2012, vol. 46, no. 17, p. 5541-5550., WOS

[1.1] CAVALCA, Lucia - CORSINI, Anna - ZACCHEO, Patrizia - ANDREONI, Vincenza - MUYZER, Gerard. Microbial transformations of

arsenic: perspectives for biological removal of arsenic from water. In FUTURE MICROBIOLOGY. ISSN 1746-0913, JUN 2013, vol. 8, no. 6, p. 753-768., WOS

[1.1] CORSINI, Anna - CAVALCA, Lucia - MUYZER, Gerard - ZACCHEO, Patrizia. Effectiveness of various sorbents and biological oxidation in the removal of arsenic species from groundwater. In ENVIRONMENTAL CHEMISTRY. ISSN 1448-2517, 2014, vol. 11, no. 5, p. 558-565., WOS

[1.1] CORSINI, Anna - ZACCHEO, Patrizia - MUYZER, Gerard - ANDREONI, Vincenza - CAVALCA, Lucia. Arsenic transforming abilities of groundwater bacteria and the combined use of *Allihoeflea* sp strain 2WW and goethite in metalloid removal. In JOURNAL OF HAZARDOUS MATERIALS. ISSN 0304-3894, MAR 30 2014, vol. 269, SI, p. 89-97., WOS

[1.1] DUAN CUIYUN - CUI GUANG - XU XINBANG - LIU PEISHENG. Sound absorption characteristics of a high-temperature sintering porous ceramic material. In APPLIED ACOUSTICS. ISSN 0003-682X, 2012, vol. 73, no. 9, pp. 865., WOS

[1.1] GILES, Dion E. - MOHAPATRA, Mamata - ISSA, Touma B. - ANAND, Shashi - SINGH, Pritam. Iron and aluminium based adsorption strategies for removing arsenic from water. In JOURNAL OF ENVIRONMENTAL MANAGEMENT. ISSN 0301-4797, DEC 2011, vol. 92, no. 12, p. 3011-3022., WOS

[1.1] HAN, Caiyun - PU, Hongping - LI, Hongying - DENG, Lian - HUANG, Si - HE, Sufang - LUO, Yongming. The optimization of As(V) removal over mesoporous alumina by using response surface methodology and adsorption mechanism. In JOURNAL OF HAZARDOUS MATERIALS. ISSN 0304-3894, JUN 15 2013, vol. 254, p. 301-309., WOS

[1.1] HASAN, Shameem - GHOSH, Atreyo - RACE, Katelyn - SCHREIBER, Robert, Jr. - PRELAS, Mark. Dispersion of FeOOH on Chitosan Matrix for Simultaneous Removal of As(III) and As(V) from Drinking Water. In SEPARATION SCIENCE AND TECHNOLOGY. ISSN 0149-6395, DEC 12 2014, vol. 49, no. 18, p. 2863-2877., WOS

[1.1] CHEN, Lei - XIN, Hongchuan - FANG, Yuan - ZHANG, Cong - ZHANG, Feng - CAO, Xing - ZHANG, Chunhui - LI, Xuebing. Application of Metal Oxide Heterostructures in Arsenic Removal from Contaminated Water. In JOURNAL OF NANOMATERIALS. ISSN 1687-4110, 2014, vol., no., pp., WOS

[1.1] CHETIA, Mridul - CHATTERJEE, Soumya - BANERJEE, Saumen - NATH, Manash J. - SINGH, Lokendra - SRIVASTAVA, Ravi B. - SARMA, Hari P. Groundwater arsenic contamination in Brahmaputra river basin: a water quality assessment in Golaghat (Assam), India. In ENVIRONMENTAL MONITORING AND ASSESSMENT. ISSN 0167-6369, FEB 2011, vol. 173, no. 1-4, p. 371-385., WOS

[1.1] JIMENEZ-CEDILLO, M. J. - OLGUIN, M. T. - FALL, Ch. - COLIN, A. Adsorption capacity of iron- or iron-manganese-modified zeolite-rich tuffs for As(III) and As(V) water pollutants. In APPLIED CLAY SCIENCE. ISSN 0169-1317, DEC 2011, vol. 54, no. 3-4, p. 206-216., WOS

[1.1] KOBYA, Mehmet - ULU, Feride - GEBOLOGLU, Ugur - DEMIRBAS, Erhan - ONCEL, Mehmet S. Treatment of potable water containing low concentration of arsenic with electrocoagulation: Different connection modes and Fe-Al electrodes. In SEPARATION AND PURIFICATION TECHNOLOGY. ISSN 1383-5866, MAR 4 2011, vol. 77, no. 3, p. 283-293.,

WOS

- [1.1] KOBYA, M. - GEBOLOGLU, U. - ULU, F. - ONCEL, S. - DEMIRBAS, E. Removal of arsenic from drinking water by the electrocoagulation using Fe and Al electrodes. In *Electrochimica Acta*, Vol. 56 (2011), Issue 14, 5060-5070., WOS
- [1.1] KOBYA, M. - AKYOL, A. - DEMIRBAS, E. - ONCEL, M. S. Removal of Arsenic from Drinking Water by Batch and Continuous Electrocoagulation Processes Using Hybrid Al-Fe Plate Electrodes. In *ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY*. ISSN 1944-7442, 2014, vol. 33, no. 1, pp. 131., WOS
- [1.1] KOBYA, M. - AKYOL, A. - DEMIRBAS, E. - ONCEL, M. S. Removal of Arsenic from Drinking Water by Batch and Continuous Electrocoagulation Processes Using Hybrid Al-Fe Plate Electrodes. In *ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY*. ISSN 1944-7442, APR 2014, vol. 33, no. 1, p. 131-140., WOS
- [1.1] KOBYA, M. - DEMIRBAS, E. - GEBOLOGLU, U. - ONCEL, M. S. - YILDIRIM, Y. Optimization of arsenic removal from drinking water by electrocoagulation batch process using response surface methodology. In *DESALINATION AND WATER TREATMENT*. ISSN 1944-3994, 2013, vol. 51, no. 34-36, pp. 6676., WOS
- [1.1] KWON, Jae H. - WILSON, Lee D. - SAMMYNAIKEN, Ramaswami. Sorptive Uptake Studies of an Aryl-Arsenical with Iron Oxide Composites on an Activated Carbon Support. In *MATERIALS*. ISSN 1996-1944, MAR 2014, vol. 7, no. 3, p. 1880-1898., WOS
- [1.1] MUDHOO, Ackmez - SHARMA, Sanjay Kumar - GARG, Vinod Kumar - TSENG, Chin-Hsiao. Arsenic: An Overview of Applications, Health, and Environmental Concerns and Removal Processes. In *CRITICAL REVIEWS IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY*. ISSN 1064-3389, 2011, vol. 41, no. 5, pp. 435., WOS
- [1.1] POLIZZOTTO, Matthew L. - LINEBERGER, Ethan M. - MATTESON, Audrey R. - NEUMANN, Rebecca B. - BADRUZZAMAN, A. Borhan M. - ALI, M. Ashraf. Arsenic transport in irrigation water across rice-field soils in Bangladesh. In *ENVIRONMENTAL POLLUTION*. ISSN 0269-7491, AUG 2013, vol. 179, p. 210-217., WOS
- [1.1] REYES, Ivan A. - PATINO, Francisco - RIVERA, Isauro - FLORES, Mizraim U. - REYES, Martin - HERNANDEZ, Juan. Alkaline Reactivity of Arsenical Natrojarosite. In *JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY*. ISSN 0103-5053, 2011, vol. 22, no. 12, p. 2260-2267., WOS
- [1.1] RUAN, Fuhui - YE, Hengpeng - LI, Dunshun - DU, Dongyun. LEACHING CHARACTERISTICS OF ARSENIC-CONTAINING SOLID WASTE. In *FRESENIUS ENVIRONMENTAL BULLETIN*. ISSN 1018-4619, 2013, vol. 22, no. 1A, p. 207-212., WOS
- [1.1] SHI, Lin - WANG, Wei - YUAN, Shou-Jun - HU, Zhen-Hu. Electrochemical Stimulation of Microbial Roxarsone Degradation under Anaerobic Conditions. In *ENVIRONMENTAL SCIENCE & TECHNOLOGY*. ISSN 0013-936X, JUL 15 2014, vol. 48, no. 14, p. 7951-7958., WOS
- [1.1] SILVA, Gabriela Cordeiro - ALMEIDA, Fabiana Soares - FERREIRA, Angela Melo - TEIXEIRA CIMINELLI, Virginia Sampaio. Preparation and Application of a Magnetic Composite (Mn₃O₄/Fe₃O₄) for Removal of As(III) from Aqueous Solutions. In *MATERIALS RESEARCH-IBERO-AMERICAN*

JOURNAL OF MATERIALS. ISSN 1516-1439, MAY-JUN 2012, vol. 15, no. 3, p. 403-408., WOS

[1.1] SUN, Zhumei - YU, Yichang - PANG, Shiyu - DU, Dongyun. Manganese-modified activated carbon fiber (Mn-ACF): Novel efficient adsorbent for Arsenic. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, NOV 1 2013, vol. 284, p. 100-106., WOS

[1.1] TANG, Wenshu - LI, Qi - GAO, Shian - SHANG, Jian Ku. Arsenic (III,V) removal from aqueous solution by ultrafine α -Fe₂O₃ nanoparticles synthesized from solvent thermal method. In JOURNAL OF HAZARDOUS MATERIALS. ISSN 0304-3894, AUG 15 2011, vol. 192, no. 1, p. 131-138., WOS

[1.1] VERONICA VITELA-RODRIGUEZ, Alma - RENE RANGEL-MENDEZ, Jose. Arsenic removal by modified activated carbons with iron hydro(oxide) nanoparticles. In JOURNAL OF ENVIRONMENTAL MANAGEMENT. ISSN 0301-4797, JAN 15 2013, vol. 114, p. 225-231., WOS

[1.1] VISWANATHAN, Tito - GUNAWAN, Gunawan - BOURDO, Shawn - SAINI, Viney - MORAN, Jeffrey - PACK, Lindsay - OWEN, Suzanne. Evaluation of a Renewable Resource-based Carbon-Iron Oxide Nanocomposite for Removal of Arsenic from Contaminated Water. In JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY. ISSN 1060-1325, 2011, vol. 48, no. 5, p. 348-354., WOS

[1.1] WANG, Hong-Jie - GONG, Wen-Xin - LIU, Rui-Ping - LIU, Hui-Juan - QU, Jiu-Hui. Treatment of high arsenic content wastewater by a combined physical-chemical process. In COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS. ISSN 0927-7757, APR 20 2011, vol. 379, no. 1-3, SI, p. 116-120., WOS

[1.1] WEI, Yu-Ting - ZHENG, Yu-Ming - CHEN, J. Paul. Enhanced adsorption of arsenate onto a natural polymer-based sorbent by surface atom transfer radical polymerization. In JOURNAL OF COLLOID AND INTERFACE SCIENCE. ISSN 0021-9797, APR 1 2011, vol. 356, no. 1, p. 234-239., WOS

[1.1] YANG XIAOMAN - DAI WENJIN - SUN HUILI - PAN JIANYU. Arsenic removal from *Pinctada martensii* enzymatic hydrolysate by using Zr(IV)-loaded chelating resin. In JOURNAL OF OCEAN UNIVERSITY OF CHINA. ISSN 1672-5182, SEP 2013, vol. 12, no. 3, p. 392-396., WOS

[1.2] ABREU, M. - BECH, J. - Carvalho, L.C. - Santos, E. Potential hazardous elements fluxes from soil to plants and the food chain . In PHEs, Environment and Human Health: Potentially Harmful Elements in the Environment and the Impact on Human Health. 1 January 2014, Pages 1-467, SCOPUS

[1.2] CAMACHO, L.M. - GUTIERREZ, M. - ALARCON-HERRERA, M.T. - VILLALBA, M.D.L. - DENG, S. Occurrence and treatment of arsenic in groundwater and soil in northern Mexico and southwestern USA. In Chemosphere. ISSN 0045-6535, vol. 83, iss. 3, April 2011, p. 211-225, SCOPUS

[1.2] CAMACHO, L.M. - PARRA, R.R. - DENG, S. Arsenic removal from groundwater by MnO₂-modified natural clinoptilolite zeolite: Effects of pH and initial feed concentration. In Journal of Hazardous Materials. ISSN 0304-3894, vol.189, iss. 1-2, 15 May 2011, p. 286-293, SCOPUS

[1.2] CHEN, W. - CHENG, M. - ZHANG, D. Column studies on the adsorption of arsenate from water by cetyltrimethylammonium chloride-modified activated carbon and its regeneration. In Huanjing Kexue Xuebao / Acta Scientiae

Circumstantiae. ISSN 0253-2468, vol. 32, iss. 1, January 2012, p. 150-156, SCOPUS

[1.2] JANSI RANI, M. - MURUGAN, M. - SUBRAMANIAM, P. - Adsorptive removal of arsenic from aqueous solution on PSLW carbon (Prosopis spicigera L. wood): Equilibrium, kinetics, thermodynamics and home water treatment studies. In Research Journal of Chemistry and Environment. ISSN 0972-0626, vol. 18, iss. 2, February 2014, p. 16-24, SCOPUS

[1.2] RAZZAK, A. - JINNO, K. - HIROSHIRO, Y. Development of numerical removal model of arsenic from groundwater. In Memoirs of the Faculty of Engineering, Kyushu University. ISSN 1345-868X, vol. 72, iss. 3, 2012, p. 85-102, SCOPUS

[1.2] SHI, L. - WANG, W. - YUAN, S.-J. - HU, Z.-H. Electrochemical stimulation of microbial roxarsone degradation under anaerobic conditions. In Environmental Science and Technology. ISSN 0013-936X, vol. 48, iss. 14, 15 July 2014, p. 7951-7958, SCOPUS

[1.2] THANGHAHU, B.V. - SHEIKH ABDULAH, S.R. - BASRI, H. - IDRIS, M. - ANUAR, N. - MUKHLISIN, M. A review on heavy metals (As, Pb, and Hg) uptake by plants through phytoremediation. In International Journal of Chemical Engineering. ISSN 1687-806X, 2011, Article number 939161, SCOPUS

[3] CORSINI, A. - PATRIZIA ZACCHEO, P. - CAVALCA, L. - COLOMBO, M. - MUYZER, G. - ANDREONI, V. Arsenic Transforming Abilities of Groundwater Bacteria and the Combined Use of Strain 2WW and Goethite in Metalloid Removal. In The 3rd International Conference on Research Frontiers in Chalcogen Cycle Science & Technology (eds. Rene, E.R., Kijjanapanich, P. and Lens, P.N.L.) Delft, The Netherlands, May 27-28, 2013, p. 155-162

[3] KOBYA, M. - SIK, E. - ONCEL, M.S. - DEMIRBAS, E. - GOREN, A.Y. - AKYOL, A. - YILDIRIM, Y. Removal of low concentration of As(V) from groundwater using an air injected electrocoagulation reactor with iron ball anodes: RSM modeling and optimization. In Digital Proceeding Of THE ICOEST'2013, Cappadocia (eds. C.Ozdemir, S. Şahinkaya, E. Kalıpcı, M.K. Oden) Nevsehir, Turkey, June 18-21, 2013, In Journal of Selcuk University, Natural and Applied Science, p. 37-47

[3] LUUKKONEN, H. Management of arsenic containing condensate in Boliden Harjavalta copper smelter. Master of Sciences Thesis, MSc. Programme in Environment and Energy Technology, Tampere University of Technology, 2011, 69 pages, 7 Appendix pages

[3] SINGH, G. - NEMA, R. - KHARE, S. - SINGH, D. - JAIN, P. - PRADHAN, A. - GUPTA, A. Study the Bioaccumulation capacity of Tricoderma viridi with increasing amount of Heavy metals (Hg. & As.). In CMBT Journal of Science and Technology (CJST), Vol. 1, Issue, 1 March 2013, p. 1-4

[3] VERDUGO GONZALEZ, B. Regenerable adsorbents for removal of arsenic from contaminated waters and synthesis and characterization of multifunctional magnetic nanoparticles for environmental and biomedical applications. A Dissertation submitted to the Faculty of the Department of Chemical and Environmental Engineering in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy with a major in chemical engineering in the Graduate College The University Of Arizona, 2011, 244 pages

[3] VISWANATHAN, T. Methods of synthesizing carbon-magnetite

nanocomposites from renewable resource materials and application of same. Patent, Original Assignee: Board Of Trustees Of The University Of Arkansas, Current U.S. Classification: 210/663; 204/157.43; 252/62.56; 977/773, Application number: 13/069,097, Publication number: US 2011/0174738 A1, Filing date: 22 Mar 2011

[3] VISWANATHAN, T. Renewable resource-based metal-containing materials and applications of the same. US 8574337 B2, US20120121821. Owner: Board of Trustees of The University of Arkansas, USA

[3.1] HU, W. - DAI, Y.Z. - PENG, X - LIU, J. - YANG, S. Research on the response surface method applied to the optimized electrocoagulation used for the treatment of arsenic-containing smelting wastewater. In Industrial Water Treatment, Vol. 34 (2014), Issue 2, 26-29

[3.1] CHAUDHARY, B.K. Understanding Production and Regeneration Of Hybrid Fiber-Ferric Hydroxide Adsorbents For Arsenic Removal From Drinking Water. PhD. Dissertation, Department of Chemical and Environmental Engineering, The University of Arizona, Tucson, Arizona, AZ, USA, 2014, 154 p.

[3.1] MARTÍNEZ, M.S. - AYALA D.S. - LÁZARO, I. Estabilidad De Precipitados De Hierro-Arsénico. In Memorias Desarrollo de Proyectos - Carrera en Ingeniería Ambiental 2013-2014/II (Universidad Autónoma de San Luis Potosí, Facultad de Ingeniería, Recopilado y Editado por: Dra. Marisol Gallegos García), 50-59

[3.1] MÉNDEZ, D.S.A. Evaluación del mecanismo de remoción de arsénico durante el proceso de precipitación de iones férricos. Tesis - Maestría en Ingeniería de Minerales, Centro de Investigación y Estudios de Posgrado, Facultad de Ingeniería, Universidad Autónoma de San Luis Potosí, S.L.P., México, Agosto de 2014, 144 p

[3.1] MONDAL, S. Design and Development of an Arsenic Removal Filter using Indigenous Materials. PhD. Thesis, Department of Civil Engineering, Indian Institute of Technology, Guwahati, India, January 2013, 290 p

[3.1] MUDAVANHU, N. - NDEKETEYA, A. - MASAYA, N. An assessment of phytoremediation capacity of Eichhornia crassipes and Typha capensis for the removal of total dissolved solids in plastic recycling industry wastewater. In Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), Vol. 8, Issue 1, Ver. IV (Feb. 2014), 86-92.

[3.1] SARPONG, K. - DARTEY, E. - OWUSU-MENSAH, I. Assessment of trace metal levels in commonly used vegetables sold at selected Markets in Ghana. In International Journal of Medicinal Plants Research, Vol. 3 (4), September 2014, 290-295.

[3.1] ÖZTÜRK, M - POLAT, A. - ASLAN, S. İçme sularında arsenik kirlenmesi. In 2nd International Symposium on Environment and Morality, İSEM 2014 Adıyaman University 24-26 Oct 2014, Türkiye, 263-273

[3.1] VISWANATHAN, T. Methods of synthesizing carbon-magnetite nanocomposites from renewable resource materials and application of same. United States Patent US 8790615 B2, Board of Trustees of the University of Arkansas, Little Rock, AR, USA, 2014

[3.1] VISWANATHAN, T. Microwave-assisted synthesis of carbon nanotubes from tannin, lignin, and derivatives. United States Patent US 00 8753603 B2, Board of Trustees of the University of Arkansas, Little Rock, AR, USA, 2014

[3.1] VISWANATHAN, T. Microwave-assisted synthesis of transition metal

phosphide. United States Patent US8920688 B2, Board of Trustees of the University of Arkansas, Little Rock, AR, USA, 2014

[3.1] VISWANATHAN, T. Use of magnetic carbon composites from renewable resource materials for oil spill clean up and recovery. United States Patent US8647512 B2, Board of Trustees of the University of Arkansas, Little Rock, AR, USA, 2014

[3.1] WANG, Y. - DING, W. - XU, J. - WU, F. Mechanism of As(III) photooxidation in kaolinite suspended solutions. In Sciencepaper Online 2013 (the Center for Science and Technology Development, the Ministry of Education of the People's Republic of China), 1-7

[3.1] ZHAO, Y.J. - HE, F.Q. - LI, R.H. Advances in Research of Phytoremediation of Arsenic in Water. In Hubei Agricultural Sciences, Vol. 52 (2013), No. 18, 4308-4312

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s

ADCA199 VÁRADYOVÁ, Zora - BARAN, Miroslav - SIROKA, Peter - ŠTYRIAKOVÁ, Iveta. Effect of silicate minerals (zeolite, bentonite kaolin, granite) on in vitro fermentation of amorphous cellulose, meadow hay, wheat straw and barley. In *Berliner und Munchener tierärztliche Wochenschrift*, 2003, vol. 116, no.7-8, p. 317-321. (2003 - Current Contents). ISSN 0005-9366.

Ohlasy:

[1.2] LIANG, Xue-Wu - GAN, Qian-Fu - LIN, Jie - QI, Bao-Ming - LIU, Qing-Hua - DU, Yan-Feng - KE, Fu-Rong - ZHENG, Shu-Kai. Effects of Bentonite on Rat Growth and Organ Microstructure. In JOURNAL OF ANIMAL AND VETERINARY ADVANCES. ISSN 1680-5593, 2013, vol. 12, no. 6, pp. 664., WOS

ADCA200 VÁRADYOVÁ, Zora - ŠTYRIAKOVÁ, Iveta - KIŠIDAYOVÁ, Svetlana. Effect of natural dolomites on the in vitro fermentation and rumen protozoan population using rumen fluid and fresh faeces inoculum from sheep. In *Small Ruminant Research*, 2007, vol. 73, p. 58-66. (0.637 - IF2006). ISSN 0921-4488.

Ohlasy:

[3.1] Fabian NDE FON – Ignatius VERLA NSAHLAI: Laboratory cultured faecal inoculum as a substitute for fresh rumen inoculum for in vitro feed evaluation. In: AFRICAN JOURNAL OF AGRICULTURAL RESEARCH. ISSN 1991-637X, 2012, vol. 7 no. 49 p. 6595-6604, Google Scholar Metrix

ADCA201 VASEASHTA, A. - VÁCLAVÍKOVÁ, Miroslava - VASEASHTA, S. - GALLIOS, G.P. - ROY, P. - PUMMAKARNCHANA, O. Nanostructures in Environmental pollution detection, monitoring, and remediation. In *Science and technology of advanced materials*, 2007, vol. 8, no. 1-2, p. 47-59. ISSN 1468-6996.

Ohlasy:

[1.1] AMIN, Muhammad T. - ALAZBA, Abdulrahman A. A review of nanomaterials based membranes for removal of contaminants from polluted waters. In MEMBRANE WATER TREATMENT. ISSN 2005-8624, APR 2014, vol. 5, no. 2, p. 123-146., WOS

[1.1] AMIN, M. T. - ALAZBA, A. A. - MANZOOR, U. A Review of Removal of Pollutants from Water/Wastewater Using Different Types of

Nanomaterials. In ADVANCES IN MATERIALS SCIENCE AND ENGINEERING. ISSN 1687-8434, 2014., WOS

[1.1] BAVIO, Marta A. - LISTA, Adriana G. Synthesis and Characterization of Hybrid-Magnetic Nanoparticles and Their Application for Removal of Arsenic from Groundwater. In SCIENTIFIC WORLD JOURNAL. ISSN 1537-744X, 2013., WOS

[1.1] BENSEBAA, Farid. Environmental and Societal Applications and Implications. In NANOPARTICLE TECHNOLOGIES: FROM LAB TO MARKET. ISSN 1573-4285, 2013, vol. 19, no., pp. 481., WOS

[1.1] CARICATO, A. P. - BUONSANTI, R. - CATALANO, M. - CESARIA, M. - COZZOLI, P. D. - LUCHES, A. - MANERA, M. G. - MARTINO, M. - TAURINO, A. - RELLA, R. Films of brookite TiO₂ nanorods/nanoparticles deposited by matrix-assisted pulsed laser evaporation as NO₂ gas-sensing layers. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2011, vol. 104, no. 3, pp. 963., WOS

[1.1] CARICATO, A. P. - BUONSANTI, R. - CATALANO, M. - CESARIA, M. - COZZOLI, P. D. - LUCHES, A. - MANERA, M. G. - MARTINO, M. - TAURINO, A. - RELLA, R. Films of brookite TiO₂ nanorods/nanoparticles deposited by matrix-assisted pulsed laser evaporation as NO₂ gas-sensing layers. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, SEP 2011, vol. 104, no. 3, p. 963-968., WOS

[1.1] GOTTSCHALK, F. - ORT, C. - SCHOLZ, R. W. - NOWACK, B. Engineered nanomaterials in rivers - Exposure scenarios for Switzerland at high spatial and temporal resolution. In ENVIRONMENTAL POLLUTION. ISSN 0269-7491, DEC 2011, vol. 159, no. 12, p. 3439-3445., WOS

[1.1] CHOW, Cheuk-Fai - HO, Pui-Yu - GONG, Cheng-Bin. An Ru(II)-Fe(III) bimetallic complex as a multifunctional device for detecting, signal amplifying, and degrading oxalate. In ANALYST. ISSN 0003-2654, SEP 7 2014, vol. 139, no. 17, p. 4256-4263., WOS

[1.1] LEE, Byoung Cheun - KIM, Kyung Tae - CHO, Jae Gu - LEE, Jae Woo - RYU, Tae Kwon - YOON, Jun Heon - LEE, Sang Hee - DUONG, Cuong N. - EOM, Ig Chun - KIM, Pil Je - CHOI, Kyung Hee. Oxidative stress in juvenile common carp (*Cyprinus carpio*) exposed to TiO₂ nanoparticles. In MOLECULAR & CELLULAR TOXICOLOGY. ISSN 1738-642X, DEC 2012, vol. 8, no. 4, p. 357-366., WOS

[1.1] LIU, Yanyan - SU, Gaoxing - ZHANG, Bin - JIANG, Guibin - YAN, Bing. Nanoparticle-based strategies for detection and remediation of environmental pollutants. In ANALYST. ISSN 0003-2654, 2011, vol. 136, no. 5, p. 872-877., WOS

[1.1] LI, Gaiping - WANG, Yuexiang - MAO, Lanqun. Recent progress in highly efficient Ag-based visible-light photocatalysts. In RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 96, p. 53649-53661., WOS

[1.1] LUBY, Stefan - JERGEL, Matej - MAJKOVA, Eva - SIFFALOVIC, Peter - CHITU, Livia - RELLA, Roberto - MANERA, Maria Grazia - CARICATO, Anna-Paola - LUCHES, Armando - MARTINO, Maurizio. Nanoparticle Langmuir-Blodgett arrays for sensing of CO and NO₂ gases. In 18TH INTERNATIONAL VACUUM CONGRESS (IVC-18). ISSN 1875-3892, 2012, vol. 32, p. 152-156., WOS

[1.1] LUBY, S. - SIFFALOVIC, P. - BENKOVICOVA, M. - MAJKOVA, E. - JERGEL, M. - IVANCO, J. - RELLA, R. - MANERA, M. G. Gas Sensing

Properties and Electrical Resistance of Langmuir-Blodgett Iron Oxide Nanoparticle Arrays. In NINTH INTERNATIONAL CONFERENCE ON ADVANCED SEMICONDUCTOR DEVICES AND MICROSYSTEMS. 2012, p. 175-178., WOS

[1.1] MASEK, K. - BLUMENTRIT, P. - BERAN, J. - SKALA, T. - PIS, I. - POLASEK, J. - MATOLIN, V. Structural and electronic studies of supported Pt and Au epitaxial clusters on tungsten oxide surface. In VACUUM. ISSN 0042-207X, JAN 27 2012, vol. 86, no. 6, SI, p. 586-593., WOS

[1.1] MOHMOOD, Iram - LOPES, Claudia Batista - LOPES, Isabel - AHMAD, Iqbal - DUARTE, Armando C. - PEREIRA, Eduarda. Nanoscale materials and their use in water contaminants removal-a review. In ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH. ISSN 0944-1344, MAR 2013, vol. 20, no. 3, p. 1239-1260., WOS

[1.1] REIMER, Tim - PAULOWICZ, Ingo - ROEDER, Robert - KAPS, Soeren - LUPAN, Oleg - CHEMNITZ, Steffen - BENECKE, Wolfgang - RONNING, Carsten - ADELUNG, Rainer - MISHRA, Yogendra K. Single Step Integration of ZnO Nano- and Microneedles in Si Trenches by Novel Flame Transport Approach: Whispering Gallery Modes and Photocatalytic Properties. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, MAY 28 2014, vol. 6, no. 10, p. 7806-7815., WOS

[1.1] ROBERT, O. P. - RAHMAN, M. - HONDA, K. - SHRESTHA, A. - VASEASHTA, A. SnO₂ gas sensors and geo-informatics for air pollution monitoring. In JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS. ISSN 1454-4164, MAY-JUN 2011, vol. 13, no. 5-6, p. 560-564., WOS

[1.1] SELLERS, Meredith C. K. - SEEBAUER, Edmund G. Measurement method for carrier concentration in TiO₂ via the Mott-Schottky approach. In THIN SOLID FILMS. ISSN 0040-6090, JAN 31 2011, vol. 519, no. 7, p. 2103-2110., WOS

[1.1] TICE, Daniel B. - LI, Shi-Qiang - TAGLIAZUCCHI, Mario - BUCHHOLZ, D. Bruce - WEISS, Emily A. - CHANG, Robert P. H. Ultrafast Modulation of the Plasma Frequency of Vertically Aligned Indium Tin Oxide Rods. In NANO LETTERS. ISSN 1530-6984, MAR 2014, vol. 14, no. 3, p. 1120-1126., WOS

[1.1] VENTURA-LIMA, Juliane - DA ROCHA, Alessandra Martins - FERREIRA-CRAVO, Marlize - DA ROSA SEIXAS, Andre Luis - DE AZEVEDO COSTA, Carmen Luiza - CHAVES, Isabel Soares - RIBAS FERREIRA, Josencler Luis - LETTS, Rafaela Elias - CORDEIRO, Lucas Freitas - GOUVEIA, Glaucio R. - MONSERRAT, Jose Maria. Nanoecotoxicology in Fish Species. In POLLUTION AND FISH HEALTH IN TROPICAL ECOSYSTEMS. 2014, p. 312-337., WOS

[1.1] XIONG CHAN - LIN LING - WANG MENG-JUN - LI GANG - ZHANG BAO-JU. Improving Component Analysis Ability of the Complex Mixed Solutions by Multi-Dimensional Diffuse Transmittance Spectrometry. In SPECTROSCOPY AND SPECTRAL ANALYSIS. ISSN 1000-0593, AUG 2012, vol. 32, no. 8, p. 2194-2199., WOS

[1.1] XIONG, Chan - LI, Gang - LIN, Ling. Composition Analysis of Scattering Liquids Based on Spatially Offset Visible-Near-Infrared Spectroscopy. In APPLIED SPECTROSCOPY. ISSN 0003-7028, 2012, vol. 66, no. 11, pp. 1347., WOS

- [1.2] KHARLYAMOV, D.A. - MAVRIN, G.V. - SIPPEL, I.Y. About the possibility of sorption concentration of heavy metals using magnetite. In *Life Science Journal*. ISSN 1097-8135, vol. 11, iss. 8, 2014, p. 607-610, SCOPUS
- [1.2] SIQUEIRA, J.R., Jr. - FERNANDES, E.G.R. - DE OLIVEIRA, O.N., Jr. - ZUCOLOTO, V. Biosensors based on field-effect devices (Book Chapter). In *Nanobioelectrochemistry: From Implantable Biosensors to Green Power Generation*, Springer-Verlag Berlin Heidelberg 2013, ISBN 978-364229250-7, p. 67-86., SCOPUS
- [1.2] TORRES, N.F. - RAMIREZ, D. Air pollutant adsorption on nanomaterials: Can it affect human health. In 104th Air and Waste Management Association Annual Conference and Exhibition 2011; Orlando, FL; United States; 21 through 24 June 2011, ISSN: 10526102 ISBN: 978-161839365-4, vol 3, 2011, p. 1944-1950, SCOPUS
- [3.1] DE FARIA, E.M. - DE ARAÚJO ELEMEN, G.R. - SILVA, A.E. - DE MOURA MENDONÇA, E.A. - OLIVEIRA, E.E. Nanotecnologia E Meio Ambiente: Uma Análise Sobre os Riscos e Benefícios Dessa Tecnologia em um Contexto Atual. In *Biofar, Rev. Biol. Farm. Campina Grande/PB*, v. 9, n. 1, março/maio, 2013, 18-25.
- [3.1] KARMAKAR, M. - GUPTA, T. - SINGH, K.P. - SMITA, S. - GUPTA, S.K. Development of Computational Method to Calculate Organic Pollutant Load on Nano-Material's Surface. In National Seminar on Application of Artificial Intelligence in Life Sciences (NSAAILS - 2013) - Proceedings published in *International Journal of Computer Applications® (IJCA)*, 24-28
- [3.1] MAHAPATRA, A. Fabrication and Characterization of Novel Iron Oxide / Alumina Nanomaterials for Environmental Applications. PhD thesis. Department of Chemistry National Institute of Technology, Rourkela, Odisha, India, July 2013, 200 p.
- [3.1] ONG, S.W.D. Design of band-engineered photocatalysts using TiO₂. Ph.D. Dissertation. Submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Chemical Engineering in the Graduate College of the University of Illinois at Urbana-Champaign, 2013, 248 p.
- [3.1] RUBENS, M. - RAMAMOORTHY, V. - SAXENA, A. - SHEHADEH, N. Public health in the twenty-first century: the role of advanced technologies. Opinion Article. In *Frontiers in Public Health*, Vol. 2 (2014), Article 224, 1-4

ADCA202 VEREŠ, Ján - LOVÁS, Michal - JAKABSKÝ, Štefan - ŠEPELÁK, Vladimír - HREDZÁK, Slavomír. Characterization of blast furnace sludge and removal of zinc by microwave assisted extraction. In *Hydrometallurgy*, 2012, vol. 2012, no. 129-130, p. 67-73. (2.027 - IF2011). (2012 - Current Contents). ISSN 0304-386X.

Ohlasy:

- [1.1] CHEN, G. - SONG, Z.K. - CHEN, J. - SRINIVASAKANNAN, C. - PENG, J.H. Investigation on phase transformation of titania slag using microwave irradiation. In *Journal of Alloys and Compounds*, Vol. 579 (2013), p. 612-616, WOS
- [1.2] CHEN, Jin - CHEN, Guo - PENG, Jinhui. Life cycle assessment of microwave hot air systems. In TMS Annual Meeting, 2013-04-26, pp. 615-622., SCOPUS
- [1.2] LANZERSTORFER, Christof - KROEPP, Michaela. Air classification of blast furnace dust collected in a fabric filter for recycling to the sinter process. In *RESOURCES CONSERVATION AND RECYCLING*. ISSN 0921-3449,

2014, vol. 86, no., pp. 132., WOS

[1.2] YE, Qianxu - ZHU, Hongbo - ZHANG, Libo - MA, Ji - ZHOU, Li - LIU, Peng - CHEN, Jian - CHEN, Guo - PENG, Jinhui. Preparation of reduced iron powder using combined distribution of wood-charcoal by microwave heating. In *Journal of Alloys and Compounds*. ISSN 09258388, 2014-11-15, 613, pp. 102-106., SCOPUS

[1.2] YE, Qianxu - ZHU, Hongbo - ZHANG, Libo - LIU, Peng - CHEN, Guo - PENG, Jinhui. Carbothermal reduction of low-grade pyrolusite by microwave heating. In *RSC Advances*, 2014-01-01, 4, 102, pp. 58164-58170., SCOPUS

[1.2] ZHANG, Mei - FU, Zhi Gang - WU, Bin - LV, Na - ZENG, Le Lin - YANG, Yun Quan. Recovery of potassium chloride from sintering EAF dust. In *Guocheng Gongcheng Xuebao/The Chinese Journal of Process Engineering*. ISSN 1009606X, 2014-01-01, 14, 6, pp. 979-983., SCOPUS

ADCA203 ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - MÚČKOVÁ, Marta - LAZOVÁ, Jana - JURÍKOVÁ, Alena - LANCZ, Gábor - TOMAŠOVIČOVÁ, Natália - TIMKO, Milan - KOVÁČ, Jozef - VÁVRA, Ivo - FABIÁN, Martin - FEOKTYSOV, A. - GARAMUS, Vasil M. - AVDEEV, Mikhail V. - KOPČANSKÝ, Peter. Magnetic fluid poly(ethylene glycol) with moderate anticancer activity. In *Journal of Magnetism and Magnetic Materials*, 2011, vol. 323, no. 10, p. 1408-1412. (1.690 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] ARANA, M. - JACOBO, S. E. - TROIANI, H. - BERCOFF, P. G. Synthesis and Characterization of Carbon-Coated Magnetite for Functionalized Ferrofluids. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2013, vol. 49, no. 8, pp. 4547., WOS

[1.1] CHEN, M. J. - SHEN, H. - LI, X. - LIU, H. F. Facile synthesis of oil-soluble Fe₃O₄ nanoparticles based on a phase transfer mechanism. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2014, vol. 307, pp. 306., WOS

[1.1] ILLES, Erzsebet - SZEKERES, Marta - KUPCSIK, Edina - TOTH, Ildiko Y. - FARKAS, Katalin - JEDLOVSZKY-HAJDU, Angela - TOMBACZ, Etelka. PEGylation of surfacted magnetite core-shell nanoparticles for biomedical application. In *COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS*. ISSN 0927-7757, 2014, vol. 460, pp. 429., WOS

[1.1] SAWDON, Alicia - WEYDEMEYER, Ethan - PENG, Ching-An. Antitumor Therapy Using Nanomaterial-Mediated Thermolysis. In *JOURNAL OF BIOMEDICAL NANOTECHNOLOGY*. ISSN 1550-7033, 2014, vol. 10, no. 9, pp. 1894., WOS

[1.2] KARIMI, Z. - KARIMI, L. - SHOKROLLAHI, H. Nano-magnetic particles used in biomedicine: Core and coating materials. In *Materials Science and Engineering C*. ISSN 09284931, 2013-07-01, 33, 5, pp. 2465-2475., SCOPUS

ADCA204 ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - MÚČKOVÁ, Marta - KOPČANSKÝ, Peter - TOMAŠOVIČOVÁ, Natália - LANCZ, Gábor - TIMKO, Milan - PÄTOPRSTÁ, Božena - BARTOŠ, Peter - FABIÁN, Martin. Synthesis and characterization of polymeric nanospheres loaded with the anticancer drug paclitaxel and magnetic particles. In *Journal of Magnetism and Magnetic Materials*, 2009, vol.

321, no. 10, p. 1613-1616. (1.283 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] ARIAS, J.L. Drug Targeting Strategies in Cancer Treatment: An Overview. In MINI-REVIEWS IN MEDICINAL CHEMISTRY, 2011, vol. 11, no. 1, p. 1-17., WOS

[1.1] DEBRASSI, A. - BURGER, C. - RODRIGUES, C.A. - NEDELKO, N. - SLAWSKA-WANIEWSKA, A. - DLUZEWSKI, P. - SOBCZAK, K. - GRENECHE, J.M. Synthesis, characterization and in vitro drug release of magnetic N-benzyl-O-carboxymethylchitosan nanoparticles loaded with indomethacin. In ACTA BIOMATERIALIA, 2011, vol. 7, no. 8, p. 3078-3085., WOS

[1.1] HOLGADO, M.A. - ALVAREZ-FUENTES, J. - FERNANDEZ-AREVALO, M. - ARIAS, J.L. Possibilities of Poly(D,L-lactide-co-glycolide) in the Formulation of Nanomedicines Against Cancer. In CURRENT DRUG TARGETS, 2011, vol. 12, no. 8, p. 1096-1111., WOS

[1.1] HUSSEIN-AL-ALI, Samer Hasan - ARULSELVAN, Palanisamy - HUSSEIN, Mohd Zobir - FAKURAZI, Sharida - ISMAIL, Maznah - DORNIANI, Dena - EL ZOWALATY, Mohammad Ezzat. SYNTHESIS, CHARACTERIZATION, CONTROLLED RELEASE AND CYTOTOXIC EFFECT OF ANTHRANILIC ACID-LOADED CHITOSAN AND POLYETHYLENE GLYCOL-MAGNETIC NANOPARTICLES ON MURINE MACROPHAGE RAW 264.7 CELLS. In NANO. ISSN 1793-2920, 2014, vol. 9, no. 2, art. no. 1450016., WOS

[1.1] CHORNY, M. - FISHBEIN, I. - FORBES, S. - ALFERIEV, I. Magnetic Nanoparticles for Targeted Vascular Delivery. In IUBMB LIFE, 2011, vol. 63, no. 8, p. 613-620., WOS

[1.1] LAN, F. - LIU, K.X. - JIANG, W. - ZENG, X.B. - WU, Y. - GU, Z.W. Facile synthesis of monodisperse superparamagnetic Fe₃O₄/PMMA composite nanospheres with high magnetization. In NANOTECHNOLOGY, 2011, vol. 22, no. 22, art. no. 225604., WOS

[1.1] LI, X.L. - LIU, G.Q. - YAN, W. - CHU, P.K. - YEUNG, K.W.K. - WU, S.L. - YI, C.F. - XU, Z.S. Preparation of Fe₃O₄/poly(styrene-butylacrylate-[2-(methacryloxy)ethyl]trimethylammoniumchloride) by emulsifier-free emulsion polymerization and its interaction with DNA. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 2012, vol. 324, no. 7, p. 1410-1418., WOS

[1.1] SAILOR, Michael J. - PARK, Ji-Ho. Hybrid Nanoparticles for Detection and Treatment of Cancer. In ADVANCED MATERIALS. ISSN 0935-9648, 2012, vol. 24, no. 28, pp. 3779-3802., WOS

[1.1] XU HAIXING - ZHANG YU - NIU XIAOQIAN - WANG LING - CHEN HUI - ZHANG XI - TANG QIUHAN - HUANG ZHIJUN - LIU HUI - XU PEIHU. Preparation and in vitro Release Properties of Mercaptopurine Drug-loaded Magnetic Microspheres. In JOURNAL OF WUHAN UNIVERSITY OF TECHNOLOGY-MATERIALS SCIENCE EDITION. ISSN 1000-2413, 2013, vol. 28, no. 6, pp. 1231., WOS

[1.1] XU, Jinqiao - XU, Haixing - NEWAZ, Zubad - LI, Ran - ZHANG, Yu - LIU, Hui - HUANG, Zhijun - ZHENG, Hua - LIU, Xiaoping - YIN, Yihua - LOU, Yiceng - LU, Bo - XU, Peihu. Synthesis, Characterization and in vitro

Drug Release of Melphalan Magnetic Microspheres. In JOURNAL OF NANO RESEARCH. ISSN 1662-5250, 2013, vol. 22, no., pp. 31., WOS
 [1.1] ZHONG, Yan - WANG, Jing - WANG, Yao - WU, Bin. Preparation and evaluation of liposome-encapsulated codrug LMX. In INTERNATIONAL JOURNAL OF PHARMACEUTICS. ISSN 0378-5173, NOV 15 2012, vol. 438, no. 1-2, p. 240-248., WOS

ADCA205 ZNAMENÁČKOVÁ, Ingrid - LOVÁS, Michal - MOCKOVČIAKOVÁ, Annamária - JAKABSKÝ, Štefan - BRIANČIN, Jaroslav. Modification of magnetic properties of siderite ore by microwave energy. In *Separation and Purification Technology*, 2005, vol. 43, no. 2, p. 169-174. ISSN 1383-5866.

Ohlasy:

[1.1] BARANI, K. - KOLEINI, S. M. Javad - REZAEI, B. Magnetic properties of an iron ore sample after microwave heating. In SEPARATION AND PURIFICATION TECHNOLOGY. ISSN 1383-5866, 2011, vol. 76, no. 3, pp. 331., WOS

[1.1] OMRAN, Mamdouh - FABRITIUS, Timo - ELMANDY, Ahmed M. - ABDEL-KHALEK, Nagui A. - EL-AREF, Mortada - ELMANAWI, Abd El-Hamid. Effect of microwave pre-treatment on the magnetic properties of iron ore and its implications on magnetic separation. In SEPARATION AND PURIFICATION TECHNOLOGY. ISSN 1383-5866, 2014, vol. 136, no., pp. 223., WOS

[1.2] AGACAYAK, Tevfik. Effect of microwave heating on magnetic separation: Kesikköprü magnetite deposits in Ankara, Central Turkey. In Scientific Research and Essays, 2011-04-19, 6, 8, pp. 1856-1864., SCOPUS

[1.2] JU, Shaohua - ZHANG, Libo - PENG, Jin Hui - GUO, Sheng Hui - WANG, Xin - WANG, Yajian. New process for producing high grade iron concentrate by roasting siderite ore with microwave energy. In TMS Annual Meeting, 2014-01-01, pp. 73-80., SCOPUS

[1.2] TANG, Hui Qing - LIU, Wei Di - ZHANG, Huan Yu - GUO, Zhan Cheng. Effect of Microwave Treatment Upon Processing Oolitic High Phosphorus Iron Ore for Phosphorus Removal. In Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science. ISSN 10735615, 2014-01-01, 45, 5, pp. 1683-1694., SCOPUS

[3] CAO, W. (ed.) The Development and Application of Microwave Heating, ISBN 978-953-51-0835-1, InTech, November 7, 2012

[3.1] LOYOLA-BREFFE, O. - BEYRIS-MAZAR, P. - PALACIOS-RODRÍGUEZ, A. - CORREA-CALA, Y. Comportamiento de las colas del proceso Caron (Moa) ante la intensidad de un campo magnético. In Minería y Geología, Vol. 30 (2014), 104-116

ADCA206 ZNAMENÁČKOVÁ, Ingrid - LOVÁS, Michal - HÁJEK, Milan - SOBEK, Jiří. The Effect of Microwave Energy on Selective Leaching of Pb, Zn and Al from the Electronics Waste with High Cu Contents : Vplyv mikrovlnnej energie na selektívne lúhovanie Pb, Zn a Al z elektronického odpadu s vysokým obsahom Cu. In *Chemické listy*, 2011, roč. 105, no.8, s. 625-628. (0.620 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0009-2770.

Ohlasy:

[1.1] ZHAO, Wei - CHEN, Jin - CHANG, Xiaodong - GUO, Shenghui - SRINIVASAKANNAN, C. - CHEN, Guo - PENG, Jinhui. Effect of microwave

irradiation on selective heating behavior and magnetic separation characteristics of Panzhihua ilmenite. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2014, vol. 300, no., pp. 171., WOS

ADCA207 ZUBRIK, Anton - HREDZÁK, Slavomír - TURČÁNIOVÁ, Ľudmila - LOVÁS, Michal - BERGMANN, Ingo - BECKER, Klaus Dieter - LUKČOVÁ, Mária - ŠEPELÁK, Vladimír. Distribution of Inorganic and Organic Substances in the Hydrocyclone Separated Slovak Sub-bituminous Coal. In *Fuel*, 2010, vol. 89, p. 2126-2132. (3.179 - IF2009). (2010 - Current Contents). ISSN 0016-2361.

Ohlasy:

[1.2] CHENG, Dong - TENG, Zhao Sheng - LI, Fu Hai - DAI, Yang. Coal ash measurement model and its application based on dual-energy γ -ray. In *Hunan Daxue Xuebao/Journal of Hunan University Natural Sciences*. ISSN 16742974, 2014-01-01, 41, 5, pp. 99-105., SCOPUS

[3.1] MENG, B. - WANG, X.C. - YU, H. Guo nei wai shui ak Xuan Liu Qi de yan jiu jin Zhan. In *Coal Processing & Comprehensive Utilization*, 2013, No. 5, 45-47

ADCA208 ZUBRIK, Anton - TURČÁNIOVÁ, Ľudmila - JEŽOVÁ, V. - DOLINSKÁ, Silvia - LUKČOVÁ, Mária. Effect of the mechanochemical activation for the extraction of diterpenes from the brown coal. In *Journal of Alloys and Compounds*, 2007, vol. 434-435, p. 837-841. (1.250 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] LEHMANN, Bastian - SCHROEDER, Hans-Werner - WOLLENBERG, Ralf - REPKE, Jens-Uwe. Effect of miscanthus addition and different grinding processes on the quality of wood pellets. In *BIOMASS & BIOENERGY*. ISSN 0961-9534, 2012, vol. 44, no., pp. 150., WOS

[1.1] LEHMANN, Bastian - SCHROEDER, Hans-Werner - WOLLENBERG, Ralf - LANGE, Raimund - REPKE, Jens-Uwe. Effect of Process Variables on the Quality Characteristics of Pelleted Wood-Xylite Mixtures. In *ENERGY & FUELS*. ISSN 0887-0624, 2011, vol. 25, no. 8, pp. 3776., WOS

[3] PARK, K.J. - SONG, W.S. - ISLAM, M.N. - LEE, J.I. - KIM, Y.S. Effects of Mechanochemical Pretreatment on the Extraction of Functional Materials from *Houttuynia cordata*. In *Korean Journal of Plant Resources* Vol. 24 (2011), No. 3, p. 309-313

[3] SONG, W.S. - PARK, K.J. - CHOUNG, E.S. Antioxidant Activity of *Saururus chinensis* Pretreated by Mechanochemical Technology - Nitrite Scavenging and Electron Donating Ability. In *Korean Journal of Plant Resources* Vol. 24 (2011) No. 3, p. 314-318.

ADCA209 ZUBRIK, Anton - ŠAMAN, David - VAŠÍČKOVÁ, Soňa - SIMONEIT, Bernd R.T. - TURČÁNIOVÁ, Ľudmila - LOVÁS, Michal - CVAČKA, Josef. Phyllocladane in brown coal from Handlová, Slovakia: Isolation and structural characterization. In *Organic geochemistry*, 2009, vol. 40, no. 1, p. 126-134. (2.364 - IF2008). (2009 - Current Contents). ISSN 0146-6380.

Ohlasy:

[1.1] BOLANZ, R.M. - MAJZLAN, J. - JURKOVIC, L. - GOTTLICHER, J. Mineralogy, geochemistry, and arsenic speciation in

coal combustion waste from Novaky, Slovakia. In *Fuel*, vol. 94 (2012), iss. 1, p. 125-136, WOS

[1.1] Mineralogy, geochemistry, and arsenic speciation in coal combustion waste from BOLANZ, R.M. - MAJZLAN, J. - JURKOVIC, L. - GOTTLICHER, J. Mineralogy, geochemistry, and arsenic speciation in coal combustion waste from Novaky, Slovakia. In *FUEL*. ISSN 0016-2361, APR 2012, vol. 94, no. 1, p. 125-136., WOS

[1.1] ÓKEEFE, Jennifer M. K. - HOWER, James C. - FINKELMAN, Robert F. - DREW, Jordan W. - STUCKER, J. D. Petrographic, geochemical, and mycological aspects of Miocene coals from the Novaky and Handlova mining districts, Slovakia. In *INTERNATIONAL JOURNAL OF COAL GEOLOGY*. ISSN 0166-5162, 2011, vol. 87, no. 3-4, pp. 268., WOS

[1.2] STEFANOVA, Maya - KORTENSKI, Jordan - ZDRAVKOV, Alexander - MARINOV, Stefan. Paleoenvironmental settings of the Sofia lignite basin: Insights from coal petrography and molecular indicators. In *International Journal of Coal Geology*. ISSN 01665162, 2013-03-01, 107, pp. 45-61., SCOPUS

ADCB Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted)

ADCB01 BALÁŽ, Peter - KAMMEL, R. - VILLACHICA, Carlos Leon. As and Sb leaching from polymetallic sulfide concentrate. In *Metall*, 2001, vol. 55, p. 196-200. ISSN 0026-0746.

Ohlasy:

[1.1] AWE, Samuel Ayowole - KHOSHKHOO, Mohammad - KRUGER, Paul - SANDSTRÖM, Ake. Modelling and process optimisation of antimony removal from a complex copper concentrate. In *Transactions of Nonferrous Metals Society of China (English Edition)*. ISSN 10036326, 2012-03-01, 22, 3, pp. 675-685., WOS

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In *Rudy i Metale Nieżelazne Recykling*, R. 59 (2014), nr. 3, 122-126.

ADCB02 DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária - ŠKVARLA, Jiří. Sorption of cadmium (II) from aqueous solution by magnetic clay composite. In *Desalination and Water Treatment*, 2010, vol. 24, p. 284-292. ISSN 1944-3994.

Ohlasy:

[1.1] BARKA, N. - OUZAOUT, K. - ABDENNOURI, M. - EL MAKHFOUK, M. - QOURZAL, S. - ASSABBANE, A. - AIT-ICHOU, Y. - NOUNAH, A. Kinetics and equilibrium of cadmium removal from aqueous solutions by sorption onto synthesized hydroxyapatite. In *DESALINATION AND WATER TREATMENT*. ISSN 1944-3994, 2012, vol. 43, no. 1-3, pp. 8., WOS

[1.1] LIU, Haicheng - CHEN, Wei - LIU, Cheng - LIU, Yu - DONG, Changlong. Magnetic mesoporous clay adsorbent: Preparation, characterization and adsorption capacity for atrazine. In *MICROPOROUS AND MESOPOROUS MATERIALS*. ISSN 1387-1811, 2014, vol. 194, no., pp. 72., WOS

[1.1] SARANGI, Chinmaya Kumar - SAHU, Naba Kumar - TRIPATHY, Bankim Chandra - BHATTACHARYA, Indra Narayan. An evaluation of cadmium sorption potential of waste aluminium dross. In *DESALINATION*

AND WATER TREATMENT. ISSN 1944-3994, 2012, vol. 50, no. 1-3, pp. 360., WOS

[1.1] WASEEM, M. - MUSTAFA, S. - NAEEM, A. - SHAH, K. H. - RASHID, U. Synthesis, physical characteristics, and Cd²⁺ sorption studies of amorphous Fe(OH)(3). In DESALINATION AND WATER TREATMENT. ISSN 1944-3994, 2014, vol. 52, no. 25-27, pp. 4783., WOS

ADCB03 ŠTYRIAKOVÁ, Iveta - ŠTYRIAK, Igor - KUŠNIEROVÁ, Mária. The release of sulphidic minerals from aluminosilicates by Bacillus strains. In *Process Metallurgy*, 1999, vol 9A, p. 587-596. ISSN 0-444-50193-2.

Ohlasy:

[1.1] SINGH, S. - SUKLA, L.B. - MISHRA, B.K. Extraction of Cooper from Malanjkhanda Low- Grade Ore by Bacillus stearothermophilus. In *Indian Journal of Microbiology* 51 (2011), 477-481, WOS

ADDA Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)

ADDA01 PETROVIČ, P. - BROVKO, I. - ŠEPELÁK, Vladimír - ŠTEVULOVÁ, N. - HREHA, S. Properties of the nanocrystalline Finemet alloys prepared by mechanochemical way. In *Acta Physica Slovaca*, 1998, vol. 48, no. 6, p. 703-706. ISSN 0323-0465.

Ohlasy:

[1.1] SICRE-ARTALEJO, J. - CAMPOS, M. - MOLINA-ALDAREGUIA, J.M. - TORRALBA, J.M. Quantification of hardening in Fe-Mn master alloys prepared by a mechanical alloying process via nanoindentation experiments. *JOURNAL OF MATERIALS RESEARCH*. ISSN 0884-2914, JUL 2011, vol. 26, no. 14, p. 1726-1733., WOS

ADEA Scientific papers in other foreign journals not registered in Current Contents Connect with IF (impacted)

ADEA01 ACHIMOVIČOVÁ, Marcela - GODOČÍKOVÁ, Erika - BALÁŽ, Peter - KOVÁČ, Jaroslav - ŠATKA, A. Influence of soluble salt matrix on mechanochemical preparation of PbS nanoparticles. In *Reviews on Advanced Materials Science*, 2008, vol. 18, no. 3, p. 216-220. (1.122 - IF2007). (2008 - WOS, SCOPUS). ISSN 1606-5131.

Ohlasy:

[1.1] TATYKAEV, B. B. - BURKITBAYEV, M. M. - URALBEKOV, B. M. - URAKAEV, F. Kh. Mechanochemical Synthesis of Silver Chloride Nanoparticles by a Dilution Method in the System NH₄Cl-AgNO₃-NH₄NO₃. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, 2014, vol. 126, no. 4, pp. 1044., WOS

[1.2] SOMPECH, S. - NUNTIYA, A. Influence of soluble salt matrix on mechanochemical synthesis of lanthanum cobaltate nanoparticles. In *Oriental Journal of Chemistry*, Vol. 28 (2012), Issue 1, 319-325, SCOPUS

ADEA02 ACHIMOVIČOVÁ, Marcela - BALÁŽ, Peter - BRIANČIN, Jaroslav. The influence of mechanical activation of chalcopyrite on the selective leaching of copper by sulphuric acid. In *Metallurgija*, 2006, vol. 42, no. 1, p. 9-12. (0.208 - IF2005). (2006 - WOS, SCOPUS). ISSN 0543-5846.

Ohlasy:

[1.1] BAFGHI, M. Sh - EMAMI, A. H. - ZAKERI, A. Effect of Specific Surface Area of a Mechanically Activated Chalcopyrite on Its Rate of Leaching in Sulfuric Acid-Ferric Sulfate Media. In METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE. ISSN 1073-5615, 2013, vol. 44, no. 5, pp. 1166., WOS

[1.1] TURAN, M. D. Direct selective leaching of chalcopyrite concentrate. In CANADIAN METALLURGICAL QUARTERLY. ISSN 0008-4433, 2014, vol. 53, no. 4, pp. 444., WOS

ADEA03 BALÁŽ, Peter - ACHIMOVIČOVÁ, Marcela - BASTL, Zdeněk - OHTANI, Tsukio - SANCHEZ, M. Influence of mechanical activation on the alkaline leaching of enargite concentrate. In *Hydrometallurgy*, 2000, vol. 54., p. 205-216. (0.693 - IF1999). (2000 - Current Contents). ISSN 0304-386X.

Ohlasy:

[1.1] CELEP, Oktay - ALP, Ibrahim - DEVECI, Hacı. Improved gold and silver extraction from a refractory antimony ore by pretreatment with alkaline sulphide leach. In HYDROMETALLURGY. ISSN 0304-386X, 2011, vol. 105, no. 3-4, pp. 234., WOS

[1.1] GOK, Ozge - ANDERSON, Corby G. Dissolution of low-grade chalcopyrite concentrate in acidified nitrite electrolyte. In HYDROMETALLURGY. ISSN 0304-386X, 2013, vol. 134, no., pp. 40., WOS

[1.1] HASAB, Mehdi Ghobeiti - RAYGAN, Shahram - RASHCHI, Fereshteh. Chloride-hypochlorite leaching of gold from a mechanically activated refractory sulfide concentrate. In HYDROMETALLURGY. ISSN 0304-386X, 2013, vol. 138, no., pp. 59., WOS

[1.1] HASHEMZADEHFINI, Mohsen - FICERIOVA, Jana - ABKHOSHK, Emad - SHAHRAKI, Behrouz Karimi. Effect of mechanical activation on thiosulfate leaching of gold from complex sulfide concentrate. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2011, vol. 21, no. 12, pp. 2744., WOS

[1.1] HENLEY, R. W. - MAVROGENES, J. - TANNER, D. Sulfosalt melts and heavy metal (As-Sb-Bi-Sn-Pb-Tl) fractionation during volcanic gas expansion: the El Indio (Chile) paleo-fumarole. In GEOFLUIDS. ISSN 1468-8115, 2012, vol. 12, no. 3, pp., WOS

[1.1] JONES, Gavin C. - CORIN, Kirsten C. - VAN HILLE, Robert P. - HARRISON, Susan T. L. The generation of toxic reactive oxygen species (ROS) from mechanically activated sulphide concentrates and its effect on thermophilic bioleaching. In MINERALS ENGINEERING. ISSN 0892-6875, 2011, vol. 24, no. 11, pp. 1198., WOS

[1.1] LI, Yuhu - LIU, Zhihong - LI, Qihou - ZHAO, Zhongwei - LIU, Zhiyong - ZENG, Li. Removal of arsenic from Waelz zinc oxide using a mixed NaOH-Na₂S leach. In HYDROMETALLURGY. ISSN 0304-386X, 2011, vol. 108, no. 3-4, pp. 165., WOS

[1.1] LI, Y.H. - LIU, Z.H. - LI, Q.H. - ZHAO, Z.W. - LIU, Z.Y. - ZENG, L. - LI, L. Removal of arsenic from arsenate complex contained in secondary zinc oxide. In *Hydrometallurgy*, Vol. 109 (2011), Issue 3-4, 237-244, WOS

[1.1] MIHAJLOVIC, I. - STRBAC, N. - NIKOLIC, D. - ZIVKOVIC, Z. Potential metallurgical treatment of copper concentrates [1.1 with high

arsenic contents. In Journal of the South African Institute of Mining And Metallurgy, Vol. 111, Issue 6, 409-416, WOS

[1.1] PLACKOWSKI, C. - HAMPTON, M.A. - NGUYEN, A.V. - BRUCKARD, W.J. The effects of X-ray irradiation and temperature on the formation and stability of chemical species on enargite surfaces during XPS. In Minerals Engineering, Vol. 45 (2013), p. 59-66, WOS

[1.1] PLACKOWSKI, Chris - HAMPTON, Marc A. - NGUYEN, Anh V. - BRUCKARD, Warren J. Fundamental Studies of Electrochemically Controlled Surface Oxidation and Hydrophobicity of Natural Enargite. In LANGMUIR. ISSN 0743-7463, 2013, vol. 29, no. 7, pp. 2371., WOS

[1.1] RASCHMAN, Pavel - SMINCAKOVA, Emilia. Kinetics of leaching of stibnite by mixed Na₂S and NaOH solutions. In HYDROMETALLURGY. ISSN 0304-386X, 2012, vol. 113, no., pp. 60., WOS

[1.1] RASCHMAN, P. - SMINCAKOVA, E. Kinetics of leaching of stibnite by mixed Na₂S and NaOH solutions. In Hydrometallurgy, Vol. 113 (2012), 60-66., WOS

[1.1] RUIZ, M. C. - GRANDON, L. - PADILLA, R. Selective arsenic removal from enargite by alkaline digestion and water leaching. In HYDROMETALLURGY. ISSN 0304-386X, 2014, vol. 150, no., pp. 20., WOS

[1.1] SAFARZADEH, M. Sadegh - MOATS, Michael S. - MILLER, Jan D. RECENT TRENDS IN THE PROCESSING OF ENARGITE CONCENTRATES. In MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW. ISSN 0882-7508, 2014, vol. 35, no. 5, pp. 283., WOS

[1.2] HASAB, Mehdi Ghobeiti - RAYGAN, Shahram - RASHCHI, Fereshteh. Chloride-hypochlorite leaching of gold from a mechanically activated refractory sulfide concentrate. In Hydrometallurgy. ISSN 0304386X, 2013-07-24, 138, pp. 59-64., SCOPUS

[1.2] PARADA, F. - JEFFREY, M. I. - ASSELIN, E. Leaching kinetics of enargite in alkaline sodium sulphide solutions. In Hydrometallurgy. ISSN 0304386X, 2014-01-01, 146, pp. 48-58., SCOPUS

[1.2] RUIZ, M. C. - GRANDON, L. - PADILLA, R. Selective arsenic removal from enargite by alkaline digestion and water leaching. In Hydrometallurgy. ISSN 0304386X, 2014-01-01, 150, pp. 20-26., SCOPUS

[1.2] SHIBAYAMA, A. - TONGAMP, W. - HAGA, K. Selective arsenic and antimony removal by alkaline leaching and precipitation from enargite and tennantite/tetrahedrite ORE. In 26th International Mineral Processing Congress, IMPC 2012: Innovative Processing for Sustainable Growth Conference Proceedings, 2012-12-01, pp. 4972-4985., SCOPUS

[1.2] YAO, Jin Huan - LI, Xuan Hai - PAN, Liu Ping - LI, Zhi Qiang. Research progress in mineral leaching enhanced by mechanical activation. In Xiandai Huagong/Modern Chemical Industry. ISSN 02534320, 2011-07-01, 31, 7, pp. 12-15., SCOPUS

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In Rudy i Metale Nieżelazne Recykling, R. 59 (2014), nr. 3, 122-126

[3.1] TURAN, M.D. - KALENDER, L. An Alternative Approach for the Metal Production from Copper Slag. In Current Physical Chemistry, Vol. 4 (2014), No. 4, 313-317(5).

ADEA04 BALÁŽ, Peter - POURGHAHRAMANI, Parviz - DUTKOVÁ, Erika - TURIANICOVÁ, Erika - KOVÁČ, Jaroslav - ŠATKA, A. Mechanochemistry in preparation of nanocrystalline semiconductors. In *Physica status solidi C. Current topics in solid state physics*, 2008, vol. 5, no. 12, p. 3756-3758. (2008 - INSPEC, SCOPUS). ISSN 1862-6351.

Ohlasy:

[1.1] PATEL, P.C. - SRIVASTAVA, N. - SRIVASTAVA, P.C. Synthesis of wurtzite ZnS nanocrystals at low temperature. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, OCT 2013, vol. 24, no. 10, p. 4098-4104., WOS

[1.1] PATHAK, C. S. - AGARWALA, V. - MANDAL, M. K. Mechano-chemical synthesis and optical properties of ZnS nanoparticles. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2012, vol. 407, no. 17, pp. 3309., WOS

[1.1] PATHAK, C. S. - MANDAL, M. K. Structural and Optical Properties of Ca²⁺ Doped ZnS Nanoparticles. In NANOSCIENCE AND NANOTECHNOLOGY LETTERS. ISSN 1941-4900, 2014, vol. 6, no. 8, pp. 681., WOS

[1.1] PATHAK, C. S. - MANDAL, M. K. - AGARWALA, V. Optical properties of undoped and cobalt doped ZnS nanophosphor. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, 2013, vol. 16, no. 2, pp. 467., WOS

[1.1] PATHAK, C. S. - MISHRA, D. D. - AGARWALA, V. - MANDAL, M. K. Optical properties of ZnS nanoparticles produced by mechanochemical method. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2012, vol. 38, no. 8, pp. 6191., WOS

[1.1] PATHAK, C. S. - MISHRA, D. D. - AGARWALA, V. - MANDAL, M. K. Optical properties of ZnS nanoparticles prepared by high energy ball milling. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, 2013, vol. 16, no. 2, pp. 525., WOS

[1.1] PATHAK, C. S. - MISHRA, D. D. - AGARWALA, V. - MANDAL, M. K. Blue light emission from barium doped zinc sulfide nanoparticles. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2012, vol. 38, no. 7, pp. 5497., WOS

[1.1] PATHAK, C. S. - MISHRA, D. D. - AGARAWALA, V. - MANDAL, M. K. Mechanochemical synthesis, characterization and optical properties of zinc sulphide nanoparticles. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2012, vol. 86, no. 9, pp. 777., WOS

[1.1] PATHAK, C. S. - PATHAK, P. K. - KUMAR, P. - MANDAL, M. K. CHARACTERIZATION AND OPTICAL PROPERTIES OF Ni²⁺ DOPED ZnS NANOPARTICLES. In JOURNAL OF OVONIC RESEARCH. ISSN 1842-2403, 2012, vol. 8, no. 1, pp. 15., WOS

[1.1] SALEM, Jamil K. - HAMMAD, Talaat M. - KUHN, S. - ABU DRAAZ, Mohammed - HEJAZY, Naser K. - HEMPELMANN, R. Structural and optical properties of Co-doped ZnS nanoparticles synthesized by a capping agent. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2014, vol. 25, no. 5, pp. 2177., WOS

[1.1] SALEM, J.K. - HAMMAD, T.M. - KUHN, S. - NAHAL, I. - ABU DRAAZ, M. - HEJAZY, N.K. - HEMPELMANN, R. Luminescence properties of Mn and Ni doped ZnS nanoparticles synthesized by capping agent. In

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS.
ISSN 0957-4522, DEC 2014, vol. 25, no. 12, p. 5188-5194., WOS

- [1.1] SINGH, Rajan - PATRO, Pankaj K. - KULKARNI, A. R. - HARENDRANATH, C. S. Synthesis of nano-crystalline potassium sodium niobate ceramic using mechanochemical activation. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2014, vol. 40, no. 7, pp. 10641., WOS
- [1.2] PATHAK, C.S. - MANDAL, M.K. - MISHRA, D.D. - AGARAWALA, V. Structural and optical properties of zinc sulphide nanoparticles and its potential application In Journal of Advanced Microscopy Research, Vol. 8 (2013), p. 222-226., SCOPUS

ADEA05 GODOČÍKOVÁ, Erika - BASTL, Zdeněk - SPIROVOVÁ, I. - BALÁŽ, Peter. A study of mechanochemical reduction of lead sulphide by elemental iron on the surface by X-ray photoelectron spectroscopy. In *Journal of Materials Science*, 2004, vol. 39, p. 3025-3029. (0.826 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0022-2461.

Ohlasy:

- [1.1] LI, Mi - PENG, Bing - CHAI, Li-yuan - PENG, Ning - XIE, Xian-de - YAN, Huan. Technological mineralogy and environmental activity of zinc leaching residue from zinc hydrometallurgical process. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2013, vol. 23, no. 5, pp. 1480., WOS

ADEA06 HREDZÁK, Slavomír - TOMANEC, Rudolf - MATIK, Marek - ŠEPELÁK, Vladimír - VÁCLAVÍKOVÁ, Miroslava. Magnetic separation and analysis of products obtained from coal-fired power plant fly ashes of Nikona Tesla B (Serbia). In *Journal of Mining and Metallurgy A: Mining*, 2006, vol. 42, p. 55-68. ISSN 1450-5959.

Ohlasy:

- [3] FATAI A.A. - IBITOYE, S.A. - ADEWALE, A.A. Development of a wet magnetic-gravity processing route to recover columbite from Jos Minesfield tailings dump, Nigeria. In *Journal of Mining and Metallurgy A: Mining* 2012, vol. 48, iss. 1, p. 63-72

ADEA07 LAZAR, Tobiáš - SEKULA, Felix - RYBÁR, Peter. A new technology of sinking vertical openings into rock masses. In *Metalurgija*, 1998, vol. 37, no. 4, p. 199-202. ISSN 0543-5846.

Ohlasy:

- [1.1] FARKASOVSKY, Roman - ZACHAROV, Michal. THE STUDY OF SELECTED MAGMATIC ROCKS THERMIC REWORKING FOR THE PURPOSE OF THERMIC SINKING. In ACTA GEODYNAMICA ET GEOMATERIALIA. ISSN 1214-9705, 2013, vol. 10, no. 1, pp. 77., WOS

ADEA08 NOVOTNÁ, Andrea - FICERIOVÁ, Jana - GOLJA, M. Mechanochemistry and preparation of nanocrystalline materials. In *Metalurgija*, 2004, vol. 43, no. 4, p. 305-309. (0.100 - IF2003). (2004 - WOS, SCOPUS). ISSN 0543-5846.

Ohlasy:

- [1.1] FOTOHI, B. - BLACKBURN, S. Effects of mechanochemical processing and doping of functional oxides on phase development in synthesis of cordierite. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN

0955-2219, 2012, vol. 32, no. 10, pp. 2267., WOS

[1.2] FOTOOHI, Babak - BLACKBURN, Stuart. Study of phase transformation and microstructure in sintering of mechanically activated cordierite precursors. In *Journal of the American Ceramic Society*. ISSN 00027820, 2012-08-01, 95, 8, pp. 2640-2646., SCOPUS

ADEA09 ŠTEVULOVÁ, Nadežda - ŠEPELÁK, Vladimír - TKÁČOVÁ, Klára. Mechanically induced transformations in silicon. In *Chemistry for Sustainable Development*, 1998, vol. 6, p. 247-252. ISSN 1023-8603.

Ohlasy:

[1.1] YELSUKOV, E.P. - UL'YANOV, A.L. - PROTASOV, A.V. - PORSEV, V.E. - RYBIN, D.S. - KOLODKIN, D.A. Deformation-induced structural transformations in Si and the initial stage of mechanical alloying of Si and Fe. In *Colloid Journal*, Vol. 75 (2013), Issue 3, p. 261-266., WOS

ADEB Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)

ADEB01 ACHIMOVIČOVÁ, Marcela - BALÁŽ, Peter - BASTL, Zdeněk - SANCHEZ, M. Characterization of the solid residue of enargite Cu₃AsS₄ after alkaline leaching. In *Physicochemical Problems of Mineral Processing*, 1999, vol. 33., p. 7-14. ISSN 1643-1049.

Ohlasy:

[1.1] PARADA, F. - JEFFREY, M.I. - ASSELIN, E. Leaching kinetics of enargite in alkaline sodium sulphide solutions. In *Hydrometallurgy*, 2014, vol. 146, 48-58, WOS

[1.1] SAFARZADEH, M.S. - MOATS, M.S. - MILLER, J.D. Recent Trends in the Processing of Enargite Concentrates. In *Mineral Processing and Extractive Metallurgy Review*, 2014, vol. 35, 283-367, WOS

ADEB02 ANDRÁŠ, Peter - ADAM, Marcel - CHOVAN, Martin - ŠLESÁROVÁ, Andrea. Environmental hazards of the bacterial leaching of ore minerals from waste at the Pezinok deposit (Malé Karpaty Mts., Slovakia). In *Carpathian Journal of Earth and Environmental Sciences*, 2008, vol. 3, no. 1, p. 7-22. (2008 - Current Contents). ISSN 1842-4090.

Ohlasy:

[1.1] HRONCOVA, Emilia - LADONIERSKY, Juraj - DIRNER, Vojtech. THE CONTAMINATION OF BOTTOM SEDIMENTS IN WATER RESERVOIRS IN THE VICINITY OF BANSKA STIAVNICA (SLOVAKIA) BY POTENTIALLY TOXIC ELEMENTS. In *CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES*. ISSN 1842-4090, 2014, vol. 9, no. 2, pp. 199., WOS

[1.1] NAGY-KORODI, Istvan - WEISZBURG, Tamis G. - FODORPATAKI, Laszla - BARTHA, Andras. ENVIRONMENTAL IMPACT OF MINING ACTIVITY ON THE TURT CREEK, EASTERN CARPATHIANS, ROMANIA. In *CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES*, 2011, vol.6, no.2, 195., WOS

[4] ŠLAKOVÁ, E. - MICHALKOVÁ, E. - MÁŠA, B. - WELWARD, L. In *Chemolitotrofná acidofilná mikrobiológia banských vôd a jej využitie*. Vyd. J. Čížmarová-Partner, Poniky, 2011, 174 s.

ADEB03 ANDRÁŠ, Peter - TURISOVÁ, Ingrid - ŠLESÁROVÁ, Andrea - LICHÝ, Adam. Influence of the dump sites on development of selected plants in the Ľubietová area(Slovakia). In *Carpathian Journal of Earth and Environmental Sciences*, 2007, vol. 2, no. 2, p. 5-20. ISSN 1842-4090.

Ohlasy:

[1.1] FEJES, I. - FARSANG, A. - PUSKÁS, I. Potencial effects of the contaminated groundwater in human health in Szeged, SE Hungary. In *Carpathian Journal of Earth and Environmental Sciences*, 2012, Vol. 7, N. 3, p. 119-126., WOS

[1.1] LACKOVÁ, E. - ŽAMPACHOVÁ, D. - ČMIELOVÁ, L. - POLANSKÁ, J. - STALMACHOVÁ, B. Effect of forest reclamation in the Křivý Důl spoil heap (Upper Silesia, Czech Republic). In *Carpathian Journal of Earth and Environmental Sciences*, 2012, Vol. 7, N. 1, p. 205-212., WOS

[4] ŠLAKOVÁ, E. - MICHALKOVÁ, E. - MÁŠA, B. - WELWARD, L. In *Chemolitotrofná acidofilná mikroflóra banských vôd a jej využitie*. Vyd. J. Čižmárová-Partner, Poniky, 2011, 174 s.

ADEB04 BALÁŽ, Peter - SEDLÁK, Ján. Arsenic in cancer treatment: Challenges for application of realgar nanoparticles : a minireview. In *Toxins*, 2010, vol. 2, no. 6, p. 1568-1581. ISSN 2072-6651.

Ohlasy:

[1.1] CHEN, Peng - YAN, Lei - WANG, Qiang - LI, Yang - LI, Hongyu. Surface alteration of realgar (As₄S₄) by *Acidithiobacillus ferrooxidans*. In *INTERNATIONAL MICROBIOLOGY*. ISSN 1139-6709, 2012, vol. 15, no. 1, pp. 9., WOS

[1.1] CHEN, Peng - YAN, Lei - LENG, Feifan - NAN, Wenbing - YUE, Xiaoxuan - ZHENG, Yani - FENG, Na - LI, Hongyu. Bioleaching of realgar by *Acidithiobacillus ferrooxidans* using ferrous iron and elemental sulfur as the sole and mixed energy sources. In *BIORESOURCE TECHNOLOGY*. ISSN 0960-8524, 2011, vol. 102, no. 3, pp. 3260., WOS

[1.1] LIU, Yanfeng - HE, Pengcheng - LIU, Feng - ZHOU, Naicen - CHENG, Xiaoyan - SHI, Lili - ZHU, Huachao - ZHAO, Jing - WANG, Yuan - ZHANG, Mei. Tetra-arsenic tetra-sulfide (As₄S₄) promotes apoptosis in retinoid acidresistant human acute promyelocytic leukemic NB4-R1 cells through downregulation of SET protein. In *TUMOR BIOLOGY*. ISSN 1010-4283, 2014, vol. 35, no. 4, pp. 3421., WOS

[1.1] RAK, Monika J. - SAADE, Nadim K. - FRISCIC, Tomislav - MOORES, Audrey. Mechanosynthesis of ultra-small monodisperse amine-stabilized gold nanoparticles with controllable size. In *GREEN CHEMISTRY*. ISSN 1463-9262, 2014, vol. 16, no. 1, p. 86-89., WOS

[1.1] TIAN, Yuwang - LIU, Yanfeng - HE, Pengcheng - LIU, Feng - ZHOU, Naicen - CHENG, Xiaoyan - SHI, Lili - ZHU, Huachao - ZHAO, Jing - WANG, Yuan - ZHANG, Mei. Arsenic Sulfide Promotes Apoptosis in Retinoid Acid Resistant Human Acute Promyelocytic Leukemic NB4-R1 Cells through Downregulation of SET Protein. In *PLOS ONE*. ISSN 1932-6203, 2014, vol. 9, no. 1, pp., WOS

[1.1] ZHANG, Lian - TIAN, Wei - KIM, Sungkyoung - DING, Wenping - TONG, Yingying - CHEN, Siyu. Arsenic sulfide, the main component of realgar, a traditional Chinese medicine, induces apoptosis of gastric cancer cells in vitro and in vivo. In *DRUG DESIGN DEVELOPMENT AND THERAPY*. ISSN

1177-8881, 2015, vol. 9, no., pp. 79., WOS

[1.2] SINGH, Mankaran - KUMAR, Dinesh - SINGH, Gurmeet - SHARMA, Deepak - SWAMI, Gaurav. Natural minerals and cancer. In *Journal of Applied Pharmaceutical Science*, 2012-04-01, 2, 4, pp. 158-165., SCOPUS

[1.2] YUAN, Lijia - WANG, Cong - LIU, Wei - LIU, Wenlong - GOU, Baodi - ZHANG, Tianlan. Realgar induces differentiation through ROS-dependent mitochondrial pathway in HL-60 cells. In *Journal of Chinese Pharmaceutical Sciences*. ISSN 10031057, 2013-03-01, 22, 2, pp. 184-189., SCOPUS

ADEB05 BALÁŽ, Peter - KUPKA, Daniel - BRIANČIN, Jaroslav - HAVLÍK, Tomáš - ŠKROBIAN, Milan. Bacterial leaching of the mechanically activated pyrite. In *Fizykochemiczne Problemy Mineralurgii*, 1991, vol. 24., p. 105-113. ISSN 0137-1282.

Ohlasy:

[3.1] KIM, B.J. - CHO, K.H. - OH, S.J. - CHOI, N.C. - PARK, C.Y. Mineralogical Transformation of Gold-silver Bearing Sulfide Concentrate by Mechanochemical Activation, and their Gold-silver Leaching with Non-cyanide Solution. In *Journal of the Mineralogical Society of Korea*, Vol. 27 (2014), Issue 3, 115-124

ADEB06 BALÁŽ, Peter - KAMMEL, R. Mechanochemical leaching of resistant complex sulfide ores: From laboratory testing to pilot plant experiments. In *Khimiya v Interesakh Ustoichivogo Razvitiya*, 1998, vol. 6, p. 259-261. ISSN 0869-8538.

Ohlasy:

[1.1] SAFARZADEH, M.S. - MOATS, M.S. - MILLER, J.D. An Update to "Recent Trends in the Processing of Enargite Concentrates". In *Mineral Processing and Extractive Metallurgy Review*, vol. 35 (2014), iss. 6, p. 390-422., WOS

ADEB07 BALÁŽ, Peter - JUSKO, F. - ACHIMOVIČOVÁ, Marcela - KAMMEL, R. - LABUDA, L. Výskum mechanochemického lúhovania (postup MELT) pri hydrometalurgickom spracovaní tetraedritových surovín. In *Uhlí - Rudy - Geologický průzkum*, 1995, roč. 2, p. 48-52. ISSN 1210-7697.

Ohlasy:

[1.1] SAFARZADEH, M.S. - MOATS, M.S. - MILLER, J.D. An Update to "Recent Trends in the Processing of Enargite Concentrates". In *Mineral Processing and Extractive Metallurgy Review*, vol. 35 (2014), iss. 6, p. 390-422., WOS

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In *Rudy i Metale Nieżelazne Recykling*, R. 59 (2014), nr. 3, 122-126

ADEB08 BEKÉNYIOVÁ, Alexandra - KUPKA, Daniel. Reduction of soluble and solid ferric iron by Acidiphilium SJH. In *Advanced Materials Research*, 2007, vol. 20-21, p. 497-500. ISSN 1022-6680.

Ohlasy:

[1.2] FERNÁNDEZ-REMOLAR, David C. - PRESTON, Louisa J. - SÁNCHEZ-ROMÁN, Mónica - IZAWA, Matthew R M - HUANG, L. - SOUTHAM, Gordon - BANERJEE, Neil R. - OSINSKI, Gordon R. -

FLEMMING, Roberta - GÓMEZ-ORTÍZ, David - PRIETO BALLESTEROS, Olga - RODRÍGUEZ, Nuria - AMILS, Ricardo - DARBY DYAR, M. Carbonate precipitation under bulk acidic conditions as a potential biosignature for searching life on Mars. In *Earth and Planetary Science Letters*. ISSN 0012821X, 2012-10-15, 351-352, pp. 13-26., SCOPUS

ADEB09 DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária - OROLÍNOVÁ, Mária. Cd(II) Adsorption by Magnetic Clay Composite under the Ultrasound Irradiation. In *Energy and Environmental Engineering*, 2013, vol. 1, no. 2, p. 74-80.

Ohlasy:

[1.1] Yao, S. - Liu, Z. - Shi, Z.: JOURNAL OF ENVIRONMENTAL HEALTH SCIENCE AND ENGINEERING, Vol. 12, 2014, Article Number: 58, WOS

ADEB10 DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária. Effect of Magnetic Modification on the Sorption Properties of Natural Bentonite. In *Water Treatment Technologies for the Removal of High-Toxicity Pollutants : proceedings of the NATO Advanced Research Workshop on Water Treatment Technologies for the Removal of High-Toxicity Pollutants - Košice, Slovak Republik 13-17 Sept. 2008*. IX.NATO Science for Peace and Security Series - C: Environmental Security. - Dordrecht : Springer Science+Business Media B.V., 2010, p. 295-300. ISBN 978-90-481-3496-0. ISSN 1874-6519.

Ohlasy:

[1.1] GALAMBOS, M. - ROSSKOPFOVÁ, O. - KUFČÁKOVÁ, J. - RAJEC, P. Utilization of Slovak bentonites in deposition of high-level radioactive waste and spent nuclear fuel. In *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 288 (2011), Issue 3, 765-777., WOS

[1.1] GALAMBOŠ, M. - SUCHÁNEK, P. - ROSSKOPFOVÁ, O. Sorption of anthropogenic radionuclides on natural and synthetic inorganic sorbents. In *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 293 (2012), Issue 2, 613-633, WOS

[1.1] TÜRKER, A.R. Separation, preconcentration and speciation of metal ions by solid phase extraction. In *Separation and Purification Reviews*, vol. 41 (2012), Issue 3, 169-206, WOS

[4] JESENÁK, K. Exkurzia po miestach ťažby a spracovania anorganických nerudných surovín na Slovensku. Univerzita Komenského v Bratislave, Prírodovedecká fakulta. 2011. ISBN 978-80-223-3128-9. Dostupné na internete: <<http://www.fns.uniba.sk/?jesenak>>

[4] JESENÁK, K. Exkurzia po miestach ťažby a spracovania rudných surovín na Slovensku. Univerzita Komenského v Bratislave, Prírodovedecká fakulta. 2011. ISBN 978-80-223-3127-2. Dostupné na internete: <<http://www.fns.uniba.sk/?jesenak>>

ADEB11 DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária - FELDHOFF, Armin - MENZEL, Dirk. Influence of amount of iron oxide and temperature synthesis on their particle size in composites with bentonite. In *Diffusion Fundamentals*, 2010, vol. 12, p. 80-81. ISSN 1862-4138.

Ohlasy:

[1.1] GALAMBOS, Michal - ROSSKOPFOVA, Ol'ga - KUFCAKOVA, Jana - RAJEC, Pavol. Utilization of Slovak bentonites in deposition of high-level

radioactive waste and spent nuclear fuel. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, JUN 2011, vol. 288, no. 3, p. 765-777., WOS

[1.1] GALAMBOŠ, M. - DAŇO, M. - ROSSKOPFOVÁ, O. - ŠERŠEŇ, F. - KUFCÁKOVÁ, J. - ADAMCOVÁ, R. - RAJEC, P. Effect of gamma-irradiation on adsorption properties of Slovak bentonites. In Journal of Radioanalytical and Nuclear Chemistry, Vol. 292 (2012), Issue 2, 481-492, WOS

ADEB12 DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária. Magnetically modified bentonite and study of its improved sorption properties. In *Chemické listy*, 2008, roč. 102, č. 15, s. 834-838. (0.545 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0009-2770.

Ohlasy:

[4] JESENÁK, K. Exkurzia po miestach ťažby a spracovania anorganických nerudných surovín na Slovensku. Univerzita Komenského v Bratislave, Prírodovedecká fakulta. 2011. ISBN 978-80-223-3128-9. Dostupné na internete: <<http://www.fns.uniba.sk/?jesenak>>

[4] JESENÁK, K. Exkurzia po miestach ťažby a spracovania rudných surovín na Slovensku. Univerzita Komenského v Bratislave, Prírodovedecká fakulta. 2011. ISBN 978-80-223-3127-2. Dostupné na internete: <<http://www.fns.uniba.sk/?jesenak>>

ADEB13 DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária - FELDHOFF, Armin - MENZEL, Dirk. The role of iron oxides in composites with bentonite. In *Cheminé Technológia*, 2009, vol. 50, no. 1, p. 42-46. ISSN 1392-1231.

Ohlasy:

[1.1] GALAMBOS, Michal - ROSSKOPFOVA, Ol'ga - KUFCAKOVA, Jana - RAJEC, Pavol. Utilization of Slovak bentonites in deposition of high-level radioactive waste and spent nuclear fuel. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, JUN 2011, vol. 288, no. 3, p. 765-777., WOS

ADEB14 EŠTOKOVÁ, Adriana - ONDREJKA HARBULÁKOVÁ, Vlasta - LUPTÁKOVÁ, Alena - PRAŠČÁKOVÁ, Mária - ŠTEVULOVÁ, Nadežda. Sulphur oxidizing bacteria as the causative factor of biocorrosion of concrete. In *Chemical engineering transactions*, 2011, vol.24, no. 10, p. 1-6. ISSN 1974-9791.

Ohlasy:

[1.1] BORYCZKO, K. - PIEGDON, I. - EID, M. Collective water supply systems risk analysis model by means of RENO software. In SAFETY, RELIABILITY AND RISK ANALYSIS: BEYOND THE HORIZON, 2014, vol., no., pp. 1987., WOS

ADEB15 FICERIOVÁ, Jana - BALÁŽ, Peter - DUTKOVÁ, Erika - GOCK, Eberhard. Leaching of gold and silver from crushed Au-Ag wastes. In *The Open Chemical Engineering Journal*, 2008, vol., no. 2, p. 6-9. ISSN 1874-1231.

Ohlasy:

[1.2] LI, J. - MENG, Z. - HUA, Y. - TIAN, G. - XU, C. Electrochemical behavior of gold and silver electrodeposited from thiourea leaching solution. In Chongqing Daxue Xuebao/Journal of Chongqing University, vol. 37 (2014), 64-70+76, SCOPUS

- ADEB16 FLOREK, Ivan - LOVÁS, Michal. The influence of the complex permittivity and grain size on microwave drying of the fine grained minerals. In *Fizykochemiczne Problemy Mineralurgii*, 1995, vol. 29, p. 127-134. ISSN 0137-1282.
Ohlasy:
[1.1] HU, E.D. - CHENG, H.F. Impact of Surface Chemistry on Microwave-Induced Degradation of Atrazine in Mineral Micropores. In *Environmental Science & Technology*, Vol. 47 (2013), Issue 1, 533-541., WOS
- ADEB17 GRIGORYEVA, Tatyana Fedorovna - KAMINSKY, Yu. D. - SHARAFUTDINOV, M. R. - TALAKO, T. L. - VORSINA, I. A. - BARINOVA, A. P. - BECKER, Klaus Dieter - ŠEPELÁK, Vladimír - LYAKHOV, N. Z. Mechanical Activation Assisted Self-Propagating High-Temperature Synthesis of Si/Al₂O₃. In *Journal of Physics: Conference Series*, 2009, vol. 144, p. 012080-012084. (2009 - WOS, SCOPUS). ISSN 1742-6588.
Ohlasy:
[1.1] HOSSEINI, S.N. - KARIMZADEH, - ENAYATI, M.H. Mechanochemical synthesis of Al₂O₃/Co nanocomposite by aluminothermic reaction. In *Advanced Powder Technology* 23 (2012), 334., WOS
[1.1] SETOUDEH, N. - WELHAM, N. Ball milling induced reduction of SrSO₄ by Al. *INTERNATIONAL JOURNAL OF MINERAL PROCESSING*. ISSN 0301-7516, MAR 9 2011, vol. 98, no. 3-4, p. 214-218., WOS
- ADEB18 HAVLÍK, Tomáš - ŠKROBIAN, Milan - BALÁŽ, Peter. Study of acid oxidising leaching of tetrahedrite. In *Ertzmetall*, p. 112-119. ISSN 1613-2394.
Ohlasy:
[1.1] GOK, O. Catalytic production of antimonate through alkaline leaching of stibnite concentrate. In *Hydrometallurgy*, 2014, vol. 149, p. 23-30., WOS
- ADEB19 HREDZÁK, Slavomír - DOLINSKÁ, Silvia - BRIANČIN, Jaroslav. XRD, FT-IR and DTA study of soot obtained from pyrolysis of used tires. Hredzák, S., Čuvanová, S., Briančin, J.,. In *Chemické listy*, 2009, roč. 102, č. 15, s. 947-951. (0.593 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0009-2770.
Názov z predtlaču CD ROM. Požaduje sa PDF.
Ohlasy:
[3.1] LÁZÁR, M. - LENGYELOVÁ, M. - ČARNOGURSKÁ, M. - ŠIRILLOVÁ, Ľ. Refuse-derived fuel energy recovery by plasma technology. In *Transactions of the VŠB - Technical University of Ostrava, Mechanical Series*, vol. LX (2014) No. 1, article No. 1980, 69-76
- ADEB20 JABLONOVSKÁ, Katarína - ŠTYRIAKOVÁ, Iveta. Application possibility of bentonite and zeolite in bioremediation. In *Advanced Materials Research*, 2007, vol. 20-21, p. 295-298. ISSN 1022-6680.
Ohlasy:
[1.1] GALAMBOS, Michal - ROSSKOPFOVA, Oľga - KUFCÁKOVÁ, Jana - RAJEC, Pavol. Utilization of Slovak bentonites in deposition of high-level radioactive waste and spent nuclear fuel. In *JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY*. ISSN 0236-5731, 2011, vol. 288, no. 3, pp. 765., WOS
[1.1] GALAMBOS, M. - DANO, M. - ROSSKOPFOVA, O. - SERSEN, F. -

KUFCAKOVA, J. - ADAMCOVA, R. - RAJEC, P. Effect of gamma-irradiation on adsorption properties of Slovak bentonites. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2012, vol. 292, no. 2, pp. 481., WOS

[1.1] GALAMBOS, M. - SUCHANEK, P. - ROSSKOPFOVA, O. Sorption of anthropogenic radionuclides on natural and synthetic inorganic sorbents. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2012, vol. 293, no. 2, pp. 613., WOS

ADEB21 KRÚPA, Vítazoslav - LAZAROVÁ, Edita. Assessing the reliability of rolling disk chisels full-profile tunneling machine drilling of exploration gallery for tunnel tubes : Hodnotenie spoľahlivosti diskových valivých dlát plnoprofilových raziacich strojov pri razení prieskumných štôlní pre tunelové rúry. In *Q-magazín : internetový časopis o jakosti*, 2009, č. 7, s. 8. ISSN 1213-0451. Požaduje sa internet.

Ohlasy:

[2.2] MALINDŽÁKOVÁ, M. - FUTÓ, J. Tunnel boring machine design and reliability parameters of a dynamic rock-indentor system. In *Komunikácie*, 14 (4), 2012, 79-82, SCOPUS

ADEB22 KUPKA, Daniel - LOVÁS, Michal - ŠEPELÁK, Vladimír. Defferization of kaolinic sand by iron oxidizing and iron reducing bacteria. In *Advanced Materials Research*, 2007, vol. 20-21, p. 130-133. ISSN 1022-6680.

Ohlasy:

[1.1] SEABRA, A.B. - HADDAD, P. - DURAN, N. Biogenic synthesis of nanostructured iron compounds: applications and perspectives. In IET NANOBIO TECHNOLOGY. ISSN 1751-8741, SEP 2013, vol. 7, no. 3, SI, p. 90-99., WOS

ADEB23 KUŠNIEROVÁ, Mária - ŠEPELÁK, Vladimír - ŠESTINOVÁ, Oľga. Bio-chemical methods in wasteprocessing. In *Polish journal of chemical technology*, 2009, vol. 11, no. 1, p. 24-27. ISSN 1509-8117.

Ohlasy:

[1.1] FINDORAKOVA, Lenka - ZORKOVSKA, Anna - HANCULAPOS;AK, Jozef - SPALDON, Tomislav. XRPD, FTIR INVESTIGATION AND THERMAL DECOMPOSITION KINETICS OF POLLUTED SEDIMENT FROM SLUDGE BED RUDNANY (EASTERN SLOVAKIA). In GEOCONFERENCE ON ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, VOL I. ISSN 1314-2704, 2014, vol., no., pp. 821., WOS

[1.1] KRATOSOVA, Gabriela - SCHROEFEL, Adam - SEIDLEROVA, Jana - KRISTOFOVA, Dana. Adaptation of Acidithiobacillus bacteria to metallurgical wastes and its potential environmental risks. In WASTE MANAGEMENT & RESEARCH. ISSN 0734-242X, 2012, vol. 30, no. 3, pp. 295., WOS

ADEB24 KUŠNIEROVÁ, Mária - PRAŠČÁKOVÁ, Mária - ČABLÍK, Vladimír - FEČKO, Peter. Energetic wastes as an equivalent for primary non-metallic materials. In *Inżynieria Mineralna - Journal of the Polish Mineral Engineering Society*, 2011, vol. XII., no. 27, p. 73-78. ISSN 1640-4920.

Ohlasy:

[1.2] MICHALÍKOVÁ, F. - BREZÁNI, I. - SISOL, M. - STEHLIKOVÁ, B. - ŠKVARLA, J. Properties of black and brown coal combustion products and possibilities of their use. In *Inzynieria Mineralna - Journal of the Polish Mineral Engineering Society*, Vol. 14 (2013), No. 2, p. 7-14, SCOPUS

ADEB25 LAZAROVÁ, Edita - KRÚPA, Vítazoslav. Application of fuzzy methods in evaluation of monitored data of machine tunnelling. In *Geotechnika : Časopis pro zakládání staveb, mechaniku zemin a inženýrskou geologii*, 2008, vol. 4, p. 20-28. ISSN 1211-913X.

Ohlasy:

[1.1] KOSTÚR, K. - FUTÓ, J. - KREPELKA, F. - IVANIČOVÁ, L. Comparison of characteristics of excavation process and characteristics of acoustic signal in TBM excavation. In *Proceedings of the 13th International Carpathian Control Conference, ICCC 2012, Podbanské, Slovakia, 2012*, 332-335., WOS

ADEB26 LOVÁS, Michal - JAKABSKÝ, Štefan - HREDZÁK, Slavomír. The Application of Heterogeneous Polarizable Fluids. In *Journal Magnetic and Electrical Separation : Magn Electr Separ*, 1996, vol. 7, no. 2, p. 65-76. ISSN 1478 6478.

Ohlasy:

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s.

ADEB27 LUPTÁKOVÁ, Alena - MAČINGOVÁ, Eva - UBALDINI, Stefano - JENČÁROVÁ, Jana. Bioleaching of antimony minerals by bacteria *Acidithiobacillus ferrooxidans* and *Desulfovibrio desulfuricans*. In *Chemické listy*, 2008, roč. 102, č. 15, s. 409-411. (0.545 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0009-2770. Názov z predtlaču CD ROM. Požaduje sa PDF.

Ohlasy:

[1.1] KUŠNIEROVÁ, Mária - PRAŠČAKOVÁ, Mária - NOWAK, Anna K. - GORAZDA, Katarzyna - WZOREK, Zbigniew. Biogenic catalysis in sulphide minerals' weathering processes and acid mine drainage genesis. In *Acta Biochimica Polonica*. ISSN 0001-527X, On-line 1734-154X, vol. 61, iss. 1, p. 33-39., WOS

ADEB28 LUPTÁKOVÁ, Alena - ŠPALDON, Tomislav - BÁLINTOVÁ, Magdaléna. Remediation of acid mine drainage by means of biological and chemical methods. In *Advanced Materials Research*, 2007, vol. 20-21, p. 283-286. ISSN 1022-6680.

Ohlasy:

[3.1] SINGOVSKÁ, E. - BALINTOVÁ, M. Evaluation quality of sediments for aquatic pollution control in Slovakia. In *International Scientific Conference "People, Buildings and Environment" (PBE2014) 15-17 October, 2014, Kroměříž, Czech Republic*, 623-629

ADEB29 MARTINS, Antonio - MATA, Teresa - GALLIOS, G.P. - VÁCLAVÍKOVÁ, Miroslava - ŠTEFUŠOVÁ, Katarína. Modeling and Simulation of Heavy Metals Removal From Drinking Water by Magnetic Zeolite. In *Water Treatment*

Technologies for the Removal of High-Toxicity Pollutants : proceedings of the NATO Advanced Research Workshop on Water Treatment Technologies for the Removal of High-Toxicity Pollutants - Košice, Slovak Republik 13-17 Sept. 2008. IX.NATO Science for Peace and Security Series - C: Environmental Security. - Dordrecht : Springer Science+Business Media B.V., 2010, p. 61-84. ISBN 978-90-481-3496-0. ISSN 1874-6519.

Ohlasy:

[1.1] HEYDARTAEMEH, Mohammad Reza - ARDEJANI, Faramarz Doulati - BADII, Khashayar - SHABANI, Kumars Seifpanahi - MOUSAVI, Seyyed Ebrahim. FeCl₂/FeCl₃ Perlite Nanoparticles as a Novel Magnetic Material for Adsorption of Green Malachite Dye. In ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING. ISSN 1319-8025, 2014, vol. 39, no. 5, pp. 3383., WOS

[1.2] SHABANI, K.S. - ARDEJANI, F.D. - BADII, K. - OLYA, M.E. Acid mine drainage treatment by perlite nanomineral, batch and continuous systems. In Archives of Mining Sciences, vol. 59 (2014), iss. 1, p. 107-122, SCOPUS

[3] ROSSI, O. Simulation of adsorption column for removal of heavy metals from water. Bachelor's Thesis. Lappeenranta University of Technology, Lappeenranta 2013, Finland, 58 p

[3] SHABANI, K.S. - ARDEJANI, F.D. - BADII, K. - OLYA, M.E. Preparation and characterization of novel nano-mineral for the removal of several heavy metals from aqueous solution: Batch and continuous systems. In Arabian Journal of Chemistry (2013), doi:10.1016/j.arabjc.2013.12.001

ADEB30 MATIK, Marek - VÁCLAVÍKOVÁ, Miroslava - ŠEPELÁK, Vladimír.

Preparation and Study of Maghemite-Zeolite Composites. In *Diffusion Fundamentals : diffusion-fundamentals.org*, 2010, vol. 12, spec. iss., p. 88-91. ISSN 1862-4138. Názov z obrazovky. Požaduje sa internet. Dostupné na internete: <<http://www.uni-leipzig.de/diffusion/journal/>>.

Ohlasy:

[1.1] RUSSO, Analia V. - TORIGGIA, Leonardo F. - JACOBO, Silvia E. Natural clinoptilolite-zeolite loaded with iron for aromatic hydrocarbons removal from aqueous solutions. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, JAN 2014, vol. 49, no. 2, p. 614-620., WOS

ADEB31 MIKLÚŠOVÁ, Viera - KREPELKA, František - LABAŠ, Milan. Súvis niektorých veličín rotačného vŕtania a vznikajúceho vibračného signálu. In *Sborník vědeckých prací Vysoké školy báňské TU Ostrava : řada stavební*, 2010, roč. 12, č. 2, s. 85-90.

Ohlasy:

[1.2] FERIANCIKOVA, K. - LESSO, I. - LAZAROVA, E. - KRUPA, V. - IVANICOVA, L. Abstract spaces as alternative method of data processing acquired from underground engineering. In 14th International Multidisciplinary Scientific Geoconference and EXPO, SGEM 2014; Albena; Bulgaria; 17 June 2014 through 26 June 2014; Code 109709. ISSN 13142704, vol. 2, iss. 1, 2014, p. 17-24, SCOPUS

ADEB32 MOCKOVČIAKOVÁ, Annamária - DANKOVÁ, Zuzana. Adsorption properties of modified bentonite clay. In *Chemine Technologija*, 2009, vol. 50, no. 1, p. 47-50. ISSN 1392-1231.

Ohlasy:

[1.1] GALAMBOŠ, M. - DAŇO, M. - ROSSKOPFOVÁ, O. - ŠERŠEŇ, F. - KUFČÁKOVÁ, J. - ADAMCOVÁ, R. - RAJEC, P. Effect of gamma-irradiation on adsorption properties of Slovak bentonites. In *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 292 (2012), Issue 2, 481-492, WOS

[1.1] GALAMBOŠ, M. - MAGULA, M. - DAŇO, M. - OSACKÝ, M. - ROSSKOPFOVÁ, O. - RAJEC, P. Comparative study of cesium adsorption on dioctahedral and trioctahedral smectites. In *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 293 (2012), Issue 3, 829-837, WOS

[1.1] GALAMBOŠ, M. - OSACKÝ, M. - ROSSKOPFOVÁ, O. - KRAJŇÁK, A. - RAJEC, P. Comparative study of strontium adsorption on dioctahedral and trioctahedral smectites. In *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 293 (2012), Issue 3, 889-897, WOS

[1.1] GALAMBOŠ, M. - SUCHÁNEK, P. - ROSSKOPFOVÁ, O. Sorption of anthropogenic radionuclides on natural and synthetic inorganic sorbents. In *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 293 (2012), Issue 2, 613-633, WOS

[1.1] GALAMBOŠ, M. - ROSSKOPFOVÁ, O. - KUFČÁKOVÁ, J. - RAJEC, P. Utilization of Slovak bentonites in deposition of high-level radioactive waste and spent nuclear fuel. In: *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 288 (2011), Issue 3, p. 765-777., WOS

[1.1] STOJILJKOVIC, S. - STAMENKOVIC, M. - KOSTIC, D. - MILJKOVIC, M. - ARSIC, B. - SAVIC, I. - SAVIC, I. - MILJKOVIC, V. The influence of organic modification on the structural and adsorptive properties of bentonite clay and its application for the removal of lead. In *Science of Sintering*, Vol. 45 (2013), p. 363-376., WOS

[1.2] AL-JOBOURI, I.S. - DHAHIR, S.A. - AL-SAADE, K.A. Adsorption study of Rhodamin B dye on Iraqi bentonite and modified bentonite by nanocompounds TiO₂, ZnO, Al₂O₃ and sodium dodecyl sulfate. In *American Journal of Environmental Sciences* 9 (2013), Issue 3, p. 269-279, SCOPUS

[1.2] RAJESH KUMAR, B. - VARDHAN, H. - GOVINDARAJ, M. - SARASWATHI, P.S. Artificial neural network model for prediction of rock properties from sound level produced during drilling. In *Geomechanics and Geoengineering*, Vol. 8 (2013), Issue 1, p. 53-61, SCOPUS

[3] AL-SAADE, K.A. - AL-SAFI, S.A. - AL-ASADI, Z.A. Determination the effect of ZnO on Iraqi bentonite surface properties. In *Journal of Baghdad for Science*, Vol. 10 (2013), Issue 3, p. 1034-1040.

[3] SCHÜTZ, T. - STRAJŇÁK, S. Uptake of dangerous elements from industrial wastewaters. In *Cuprum - Czasopismo Naukowo-Techniczne Górnictwa Rud (Ore Mining Scientific and Technical Magazine)*, Vol. 68 (2013), no. 3, p. 5-16

[3.1] KUKWA, D. - IKYEREVE, R. - IKESE, Ch. Characterization of primitive clays from Katsina-Ala and Makurdi, Buene State - Nigeria. In *Chemistry and Materials Research*, Vol. 6 (2014), Issue 4, 115-121

[3.1] KUKWA, D. - IKYEREVE, R. - IKESE, Ch. Characterization of primitive clays from Katsina-Ala and Makurdi, Buene State – Nigeria. In *Chemistry and Materials Research*, Vol.6 (2014), Issue 4, p. 115-121. (Databáza:

CrossRef, ProQuest, U.S.)

[4] JESENÁK, K. Exkurzia po miestach ťažby a spracovania anorganických nerudných surovín na Slovensku. Univerzita Komenského v Bratislave, Prírodovedecká fakulta. 2011. ISBN 978-80-223-3128-9. Dostupné na internete: <<http://www.fns.uniba.sk/?jesenak>>

[4] JESENÁK, K. Exkurzia po miestach ťažby a spracovania rudných surovín na Slovensku. Univerzita Komenského v Bratislave, Prírodovedecká fakulta. 2011. ISBN 978-80-223-3127-2. Dostupné na internete: <<http://www.fns.uniba.sk/?jesenak>>

ADEB33 ONDREJKA HARBULÁKOVÁ, Vlasta - LUPTÁKOVÁ, Alena - ŠTEVULOVÁ, Nadežda - RUTAROVÁ, Pavlína. Biocorrosion of concrete sewer pipes. In *Pollack periodica*, 2008, vol. 3, 2 Special Issue, p. 51-58. ISSN 1788-1994.

Ohlasy:

[1.2] HONDJUILA MIOKONO, E. - LORS, C. - LAMBERET, S. - DAMIDOT, D. Development of an accelerated test of biodeterioration of mortars involving a succession of sulfur-oxidizing bacteria | Mise au point d'un test accéléré de biodétérioration de mortiers mettant en jeu une succession de bactéries sulfo-oxydantes. In *Materiaux et Techniques*. ISSN 00326895, 2011-11-25, 99, 5, pp. 555-563., SCOPUS

[1.2] PETRILÁKOVÁ, Aneta - BÁLINTOVÁ, Magdaléna. Evaluation of Sorbents efficiency on heavy metals removal from acid mine drainage. In *Pollack Periodica*. ISSN 17881994, 2011-08-01, 6, 2, pp. 139-146., SCOPUS

ADEB34 ONDREJKA HARBULÁKOVÁ, Vlasta - EŠTOKOVÁ, Adriana - LUPTÁKOVÁ, Alena - ŠTEVULOVÁ, Nadežda - JANÁK, Gabriel. Concentrate specimens biodeterioration by bacteria of *Acidithiobacillus thiooxidans* and *Desulfovibrio* genera. In *Pollack Periodica*, 2009, vol. 4, no.1, p. 83-92. ISSN 1788-1994.

Ohlasy:

[1.2] BALINTOVA, M. - HOLUB, M. - STEVULOVA, N. - CIGASOVA, J. - TESARCIKOVA, M. Sorption in Acidic Environmenents - Biosorbents in Comparison with Commercial Adsorbents. In *Chemical Engineering Transaction*, vol. iss. 39 (2014), p.1659-1664., SCOPUS

ADEB35 PLEŠINGEROVÁ, B. - BUCHAL, Antonín - ŠEPELÁK, Vladimír - TKÁČOVÁ, Klára. Effect of griding of Y₂O₃-BaCO₃-CuO on synthesis of YBa₂Cu₃O₇. In *Ceramics-Silikáty*, 1996, vol. 40, p. 131-136. ISSN 0862-5468.

Ohlasy:

[1.1] DÜVEL, A. - KUHN, A. - ROBBEN, L. - WILKENING, M. - HEITJANS, P. Mechano-synthesis of solid electrolytes: Preparation, characterization, and Li ion transport properties of garnet-type Al-doped Li₇La₃Zr₂O₁₂ crystallizing with cubic symmetry. In *Journal of Physical Chemistry C* 116 (2012), 15192, WOS

ADEB36 PRAŠČÁKOVÁ, Mária - KUŠNIEROVÁ, Mária - LUPTÁKOVÁ, Alena - IVANIČOVÁ, Lucia. Sorption of copper and zinc cations by biomodified brown coal. In *Water Treatment Technologies for the Removal of High-Toxicity Pollutants : proceedings of the NATO Advanced Research Workshop on Water Treatment Technologies for the Removal of High-Toxicity Pollutants - Košice, Slovak Republik*

13-17 Sept. 2008. IX.NATO Science for Peace and Security Series - C:
Environmental Security. - Dordrecht : Springer Science+Business Media B.V.,
2010, p. 259-266. ISBN 978-90-481-3496-0. ISSN 1874-6519.

Ohlasy:

[1.1] KONONOVA, O.N. - KUZNETSOVA, M.A. - MEL'NIKOV, A.M. -
KARPLYAKOVA, N.S. - KONONOV, Y.S. Sorption recovery of copper(II) and
zinc(II) from aqueous chloride solutions. In JOURNAL OF THE SERBIAN
CHEMICAL SOCIETY. ISSN 0352-5139, 2014, vol. 79, no. 8, p. 1037-1049.,
WOS

ADEB37 ŠESTINOVÁ, Oľga - BREHUV, Ján - HANČULÁK, Jozef - ŠPALDON,
Tomislav - FEDOROVÁ, Erika. Evaluation of heavy metals mobility in sediments
from the Hnilec river, Slovakia. In *Chemické listy*, S, roč. 102, č.102, (2008. (0.545 -
IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0009-2770. Názov z.
Požaduje sa PDF.

Ohlasy:

[1.1] LUPTAKOVA, Alena - UBALDINI, Stefano - MACINGOVA, Eva -
FORNARI, Pietro - GIULIANO, Veronica. Application of physical-chemical and
biological-chemical methods for heavy metals removal from acid mine drainage.
In PROCESS BIOCHEMISTRY. ISSN 1359-5113, NOV 2012, vol. 47, no. 11,
p. 1633-1639., WOS

ADEB38 ŠPALDON, Tomislav - HANČULÁK, Jozef - ŠESTINOVÁ, Oľga -
FINDORÁKOVÁ, Lenka - KURBEL, Tomáš. Methods of Sulphates and Heavy
Metals Removal from Acid Mine Drainage (AMD). In *Waste Forum*, 2012, no. 3, s.
126-131. ISSN 1804-0195.

Ohlasy:

[1.2] MACINGOVA, E. - LUPTAKOVA, A. Recovery of Iron from Acid
Mine Drainage in the Form of Oxides. In *Inżynieria Mineralna - Journal of the
Polish Mineral Engineering Society*, vol. 15 (2015), no.2, p. 193-198, SCOPUS

ADEB39 ŠTYRIAKOVÁ, Iveta - HAMPL, Richard - JECH, Ivo. Ex-situ biostimulation
of hydrocarbon degradation by organic and inorganic amendments. In *Advanced
Materials Research*, 2009, vol. 71-73, p. 713-716. ISSN 1022-6680.

Ohlasy:

[1.2] MUTER, O. - POTAPOVA, K. - PORSNOVS, D. - KLAVINS, M.
Biodegradation of Oil Sorbed on Peat after its Use as a Spill Cleanup Sorbent. In
Material Science and Applied Chemistry 26 (2012), 120-126, SCOPUS

ADEB40 VÁCLAVÍKOVÁ, Miroslava - ŠTEFUŠOVÁ, Katarína - IVANIČOVÁ, Lucia
- JAKABSKÝ, Štefan - GALLIOS, G.P. Magnetic Zeolite as Arsenic Sorbent. In
*Water Treatment Technologies for the Removal of High-Toxicity Pollutants :
proceedings of the NATO Advanced Research Workshop on Water Treatment
Technologies for the Removal of High-Toxicity Pollutants - Košice, Slovak Republik
13-17 Sept. 2008. IX.NATO Science for Peace and Security Series - C:
Environmental Security. - Dordrecht : Springer Science+Business Media B.V.,
2010, p. 51-59. ISBN 978-90-481-3496-0. ISSN 1874-6519.*

Ohlasy:

[1.1] BALINTOVA, M. - PETRILAKOVA, A. - SINGOVSKA, E. Study
of metal ion sorption from acidic solutions. In THEORETICAL

FOUNDATIONS OF CHEMICAL ENGINEERING. ISSN 0040-5795, 2012, vol. 46, no. 6, pp. 727., WOS

[1.1] MISAEILIDES, Panagiotis. Application of natural zeolites in environmental remediation: A short review. In MICROPOROUS AND MESOPOROUS MATERIALS. ISSN 1387-1811, 2011, vol. 144, no. 1-3, pp. 15., WOS

[1.1] TURKER, Ali Rehber. Separation, Preconcentration and Speciation of Metal Ions by Solid Phase Extraction. In SEPARATION AND PURIFICATION REVIEWS. ISSN 1542-2119, 2012, vol. 41, no. 3, pp. 169., WOS

[1.1] VERBINNEN, Bram - BLOCK, Chantal - LIEVENS, Patrick - VAN BRECHT, Andres - VANDECASTEELE, Carlo. Simultaneous Removal of Molybdenum, Antimony and Selenium Oxyanions from Wastewater by Adsorption on Supported Magnetite. In WASTE AND BIOMASS VALORIZATION. ISSN 1877-2641, 2013, vol. 4, no. 3, pp. 635., WOS

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s.

ADEB41 VÁCLAVÍKOVÁ, Miroslava - JAKABSKÝ, Štefan - HREDZÁK, Slavomír.

Magnetic nanoscale particles as sorbents for removal of heavy metal ions. In *NANOENGINEERED NANOFIBROUS MATERIALS. NATO SCIENCE SERIES, SERIES II: MATHEMATICS, PHYSICS AND CHEMISTRY : Conference of the NATO-Advanced-Study-Institute on Nanoengineered Nanofibrous Materials. II.* - Belek-Antalya, TURKEY, 2004, p.481-486. ISSN 1568-2609.

Ohlasy:

[1.1] MAHANTA, Narahari - VALIYAVEETTIL, Suresh. Surface modified electrospun poly(vinyl alcohol) membranes for extracting nanoparticles from water. In NANOSCALE. ISSN 2040-3364, 2011, vol. 3, no. 11, pp. 4625., WOS

[1.1] ZAHOR, M. - MAHRAMANLIOGLU, M. Adsorption of Imidacloprid on Powdered Activated Carbon and Magnetic Activated Carbon. In Chemical and Biochemical Engineering Quarterly, Vol. 25 (2011), Issue 1, 55-63, WOS

[1.2] VERBINNEN, B. - BLOCK, C. - LIEVENS, P. - VAN BRECHT, A. - VANDECASTEELE, C. Simultaneous removal of molybdenum, antimony and selenium oxyanions from wastewater by adsorption on supported magnetite. In Waste and Biomass Valorization, Vol. 4 (2013), Issue 3, p. 635-645, SCOPUS

[3] BINAGARA, L. Uji Stabilitas Magnetit Terlapisi Asam Galat (Fe₃O₄-Ag) Pada Berbagai pH. Skripsi, Program Studi Kimia, Fakultas Sains dan Teknologi, Universitas Islam Negeri Sunan Kalijaga, Yogyakarta 2013, Indonesia, 69 p.

[3] KARMANTO. Sintesis dan karakterisasi lempung sintesis magnetik Mg/Al hydrotalcite- magnetit. In Kaunia, Vol. IX (2013), No. 2, p. 27-33

[3] WASIS. Sintesis dan karakterisasi lempung sintesis magnetik Mg/Al hydrotalcite-magnetit. Skripsi, Program Studi Kimia, Fakultas Sains dan Teknologi, Universitas Islam Negeri Sunan Kalijaga, Yogyakarta 2013, Indonesia, 79 p

[3.1] KHASANAH, K. Sintesis magnetit terlapisi asam salisilat (Mag-AS) dan aplikasinya untuk adsorpsi-reduksi [AuCl₄]-. Skripsi, Program Studi Kimia, Fakultas Sains Dan Teknologi, Universitas Islam Negeri Sunan Kalijaga, Yogyakarta, 2014, 62 p

[3.1] SUYANTA, S. - KUNARTI, E.S. - MUZAKIR, M. - PERTIWI C. - PERTIWI, D. Comparative study of methods in the synthesis of magnetite (Fe₃O₄). In Proceeding of International Conference on Research, Implementation and Education of Mathematics and Sciences 2014, Yogyakarta State University, 18-20 May 2014, C28, C221-C227

ADEB42 VEREŠ, Ján - JAKABSKÝ, Štefan - ŠEPELÁK, Vladimír. Chemical, physical, morphological and structural characterization of blast furnace sludge. In *Diffusion Fundamentals : diffusion-fundamentals.org*, 2010, vol. 12, spec. iss., p. 88-91. ISSN 1862-4138. Názov z obrazovky. Požaduje sa internet. Dostupné na internete: <<http://www.uni-leipzig.de/diffusion/journal/>>.

Ohlasy:

[1.1] KRETZSCHMAR, Ruben - MANSFELDT, Tim - MANDALIEV, Petar N. - BARMETTLER, Kurt - MARCUS, Matthew A. - VOEGELIN, Andreas. Speciation of Zn in Blast Furnace Sludge from Former Sedimentation Ponds Using Synchrotron X-ray Diffraction, Fluorescence, and Absorption Spectroscopy. In ENVIRONMENTAL SCIENCE & TECHNOLOGY. ISSN 0013-936X, NOV 20 2012, vol. 46, no. 22, p. 12381-12390., WOS

[1.2] GAO, Z. - LI, L. - WU, Z. - WU, X. - LÜ, H. - SU, S. - GAO, Q. Combustion characteristics and slurry ability of coal water slurry prepared with blast furnace sludge. In Huanjing Kexue Xuebao/Acta Scientiae Circumstantiae, Vol. 33, (2013), Issue 12, p. 3285-3291, SCOPUS

[1.2] SU, M. - WANG, G. - ZENG, D. - SHI, X. - LIU, S. Adsorption of Cu (II) by blast furnace sludge. In Chinese Journal of Environmental Engineering, vol. 8 (2014), p.2557-2562, SCOPUS

ADEB43 VEREŠ, Ján - DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária - JAKABSKÝ, Štefan - BAKALÁR, Tomáš. Removal of Nickel by Natural and Magnetically Modified Bentonite. In *Water Treatment Technologies for the Removal of High-Toxicity Pollutants : proceedings of the NATO Advanced Research Workshop on Water Treatment Technologies for the Removal of High-Toxicity Pollutants - Košice, Slovak Republik 13-17 Sept. 2008*. IX.NATO Science for Peace and Security Series - C: Environmental Security. - Dordrecht : Springer Science+Business Media B.V., 2010, p. 289-294. ISBN 978-90-481-3496-0. ISSN 1874-6519.

Ohlasy:

[1.1] GALAMBOS, Michal - ROSSKOPFOVA, Oľga - KUFCAKOVA, Jana - RAJEC, Pavol. Utilization of Slovak bentonites in deposition of high-level radioactive waste and spent nuclear fuel. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2011, vol. 288, no. 3, pp. 765., WOS

[1.1] GALAMBOS, M. - SUCHANEK, P. - ROSSKOPFOVA, O. Sorption of anthropogenic radionuclides on natural and synthetic inorganic sorbents. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2012, vol. 293, no. 2, pp. 613., WOS

[4] JESENÁK, K. Exkurzia po miestach ťažby a spracovania anorganických nerudných surovín na Slovensku. Univerzita Komenského v Bratislave, Prírodovedecká fakulta. 2011. ISBN 978-80-223-3128-9. Dostupné na internete: <<http://www.fns.uniba.sk/?jesenak>>

[4] JESENÁK, K. Exkurzia po miestach ťažby a spracovania rudných

surovín na Slovensku. Univerzita Komenského v Bratislave, Prírodovedecká fakulta. 2011. ISBN 978-80-223-3127-2. Dostupné na internete:
<<http://www.fns.uniba.sk/?jesenak>>

- ADEB44 ZNAMENÁČKOVÁ, Ingrid - LOVÁS, Michal - HÁJEK, Milan - JAKABSKÝ, Štefan. Melting of andesite in a microwave oven. In *Journal of Mining and Metallurgy : Section B: Metallurgy*, 2003, vol. 39B, no.3-4, p. 549-557. ISSN 1450-5339.

Ohlasy:

- [1.2] HASSANI, F. - NEKOOVAGHT, P.M. - RADZISZEWSKI, P. - WATERS, K.E. Microwaveassisted mechanical rock breaking. In *Harmonising Rock Engineering and the Environment - Proceedings of the 12th International Congress on Rock Mechanics of the International Society for Rock Mechanics, ISRM 2011; Beijing; China; 18-21 October 2011, 2012, 2075-2080, SCOPUS*
[1.2] WILLERT-PORADA, M.A. - GERDES, T. - ROSIN, A. Microwave antenna for selective heating of glass melts. In *IEEE MTT-S International Microwave Symposium Digest, IMS 2012; Montreal, QC; Canada; 17-22 June 2012, Article number 6259574, SCOPUS*
[3] MONCHUSI, B. Microwave-assisted rock breaking modelling and application. In *4th CSIR Biennial Conference: Real problems relevant solutions, CSIR, Pretoria, 9-10 October 2012*

ADF ADF

- ADF01 FICERIOVÁ, Jana - BALÁŽ, Peter - BOLDIŽÁROVÁ, Eva - JELEŇ, Stanislav. Lúhovanie striebra z mechanochemicky predupraveného komplexného sulfidického koncentrátu. In *Acta Metallurgica Slovaca*. - Košice : Technická univerzita - Hutnícka fakulta : Ústav materiálového výskumu SAV, 2003, vol. 9, no. 1, p. 5-12. ISSN 1338-1156.

Ohlasy:

- [3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In *Rudy i Metale Nieżelazne Recykling*, R. 59 (2014), nr. 3, 122-126.

ADFA Scientific papers in other domestic journals not registered in Current Contents Connect with IF (impacted)

- ADFA01 BALUCHOVÁ, Božena - FEJDI, Pavel - BOBRO, Milan. Prašný spád v oblasti Nižnej Slanej z hľadiska environmentálnej mineralógie. In *Mineralia Slovaca*, 2004, roč. 36, č. 3-4, s.357-366. ISSN 0369-2086.

Ohlasy:

- [1.1] HANČULÁK, Jozef - FEDOROVÁ, Erika - ŠESTINOVÁ, Oľga - ŠPALDON, Tomislav - REMIÁŠOVÁ, Jarmila. Atmospheric deposition of heavy metals in the area of Košice city (Slovakia). In *Modern Management of Mine Producing, Geology and Environmental Protection : proceedings from 11th International Multidisciplinary Scientific GeoConference (Albena: 20-25 June 2011). Eds. N., Sabotinov, M., Mazhdrakov. - Albena (Bulgaria) : SGEM, 2011, p. 1157-1163, WOS*
[1.1] HANČULÁK, Jozef - FEDOROVÁ, Erika - ŠESTINOVÁ, Oľga - ŠPALDON, Tomislav - MATIK, Marek. Influence of iron ore works in Nižná Slaná on atmospheric deposition of heavy metals. In *ACTA MONTANISTICA SLOVACA*. 2011, vol. 16, no. 3, 220-228., WOS

ADFA02 BOBRO, Milan - MACEKOVÁ, Jaroslava - SLANČO, Pavel - HANČULÁK, Jozef - ŠESTINOVÁ, Oľga. Wastes from mining and metallurgical activities in the water reservoir of Ružín : Odpady po baníckej a hutníckej činnosti vo vodnej nádrži Ružín. In *Acta Metallurgica Slovaca*, 2006, roč. 12, s. 62-32. ISSN 1338-1156.

Ohlasy:

[1.1] ANGELOVIČOVÁ, L. - FAZEKAŠOVÁ, D. Contamination of the soil and water environment by heavy metals in the former mining area of Rudňany (Slovakia). In *Soil & Water Research*, vol. 9 (2014), p. 18-24., WOS

[1.1] BRÁZOVÁ, T. - TORRES, J. - EIRA, C. - HANZELOVÁ, V. - MIKLISOVÁ, D. - ŠALAMÚN, P. Perch and its parasites as heavy metal biomonitors in a freshwater environment: The case study of the Ružín Water Reservoir, Slovakia. In *Sensors* 12 (2012) (3), 3068-3081, WOS

[1.1] PETRILAKOVA, A. - SINGOVSKA, E. - BALINTOVA, M. - JUNAKOVA, N. Characterization of sediment quality depending on the depth of sampling from water reservoir Ruzin (Slovakia). In *Proc. 13th International Multidisciplinary Scientific Geoconference and EXPO, SGEM 2013; Albena; Bulgaria; 16-22 June 2013, Vol. 1 (2013)*, p. 193-198., WOS

ADFA03 GODOČÍKOVÁ, Erika - BALÁŽ, Peter - GOCK, Eberhard. Characterization and leaching of mechanochemically synthesized ZnS nanoparticles. In *Acta Metallurgica Slovaca*, 2004, roč.10, č.2, s.73-79. ISSN 1338-1156.

Ohlasy:

[3.1] SUJA, R. - GEETHA, D. - RAMESH, P. Preparation and characterization of CuS Nanomaterials by solvothermal method. In *International Journal of Scientific & Engineering Research*, Vol. 4 (2013), Issue 3, 1-3

ADFA04 HANČULÁK, Jozef - BOBRO, Milan - BREHUV, Ján - SLANČO, Pavel. Deposition of heavy metals from dust fallout in selected areas of Eastern Slovakia : Depozícia ťažkých kovov z prášneho spadú vo vybraných územiach Východného Slovenska. In *Acta Montanistica Slovaca*, 2005, vol. 10, p. 246-252. ISSN 1335-1788.

Ohlasy:

[1.1] JALCOVA, M. - DVOROZNAKOVA, E. Effect of heavy metal intoxication on macrophage metabolic activity of mice infected with *Ascaris suum*. In *Helminthologia*, vol 51 (2014), iss. 3, p. 171-180., WOS

[4] BALUCHOVÁ, B. - BAČÍK, P. - FEJDI, P. - ČAPLOVIČOVÁ, M.: Mineralogický výskum prášných spadov z rokov 2006 – 2008 v oblasti Jelšavy. *Mineralia Slovaca*, 43(2011), ISSN 0369- 2086, 327-334

ADFA05 HANČULÁK, Jozef - BOBRO, Milan - ŠESTINOVÁ, Oľga - BREHUV, Ján - SLANČO, Pavel. Mercury in the environment of old mining areas of Rudňany and Merník : Ortuť v prostredí starých banských záťaží Rudňan a Merníka. In *Acta Montanistica Slovaca*, 2006, vol. 11, special Issue, p. 295-299. ISSN 1335-1788.

Ohlasy:

[1.1] ANGELOVIČOVÁ, L. - FAZEKAŠOVÁ, D. Contamination of the soil and water environment by heavy metals in the former mining area of Rudňany (Slovakia). In *Soil & Water Research*, vol. 9 (2014), p. 18-24., WOS

[1.1] JALCOVA, M. - DVOROZNAKOVA, E. Effect of heavy metal

intoxication on macrophage metabolic activity of mice infected with *Ascaris suum*. In *Helminthologia*, vol 51(2014), iss. 3, p. 171-180., WOS

- ADFA06 KUPKA, Daniel - ŠKVARLA, Jiří - BIROŠOVÁ, E. Evaluation of growth rate of *Acidithiobacillus ferrooxidans* oxidizing elemental sulfur. In *Acta Metallurgica Slovaca*, 2003, roč. 9, č. 4, s. 251-258. ISSN 1338-1156.

Ohlasy:

[1.1] GOMEZ-RAMIREZ, M. - ZARCO-TOVAR, K. - ABURTO, J. - DE LEON, R.G. - ROJASA-VELIZAPA, Microbial treatment of sulfur-contaminated industrial wastes. In *Journal of Environmental Science and Health Part A-Toxic / Hazardous Substances & Environmental Engineering*, vol. 49 (2014), iss. 2, p. 228-232., WOS

- ADFA07 TRPČEVSKÁ, Jarmila - BRIANČIN, Jaroslav - MEDVECKÝ, Ľubomír - BOBAKOVÁ, M. Spracovanie odpadov zo zinkovní. In *Acta Metallurgica Slovaca*, 2008, roč. 14, s. 106-109. ISSN 1338-1156.

Ohlasy:

[1.1] LUPTAKOVA, N. - KEBISKOVA, J. - ANISIMOV, E. - BENAK, M. - PESLOVA, Impact raw material for production zinc oxide in retort furnaces. In 21st International Conference on Metallurgy and Materials (METAL 2012), Brno, Czech Republic, May 23-25, 2012, p. 1521-1526., WOS

ADFB Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)

- ADFB01 ACHIMOVIČOVÁ, Marcela - BALÁŽ, Peter - SÁNCHEZ-MARCOS, J. Alkaline leaching of arsenic and antimony from enargite. In *Acta Montanistica Slovaca*, 1998, vol. 4, p. 33-37. ISSN 1335-1788.

Ohlasy:

[1.1] LEWIS, D.J. - KEVIN, P. - BAKR, O. - MURYN, C.A. - MALIK, M.A. - O'BRIEN, P. Routes to tin chalcogenide materials as thin films or nanoparticles: a potentially important class of semiconductor for sustainable solar energy conversion. In *Inorganic Chemistry Frontiers*, 2014, vol.1, no. 8, 577-598., WOS

[1.1] SAFARZADEH, M.S. - MOATS, M.S. - MILLER, J.D. Recent Trends in the Processing of Enargite Concentrates. In *Mineral Processing and Extractive Metallurgy Review*, 2014, vol. 35, no.5, p. 283-367., WOS

[1.1] TAKACS, L. Gradual and self-sustaining processes in the Sn-Zn-Se system. In *Acta Physica Polonica A*, 2014, vol. 126, no. 4, 1032-1039, WOS

[3.1] LI, W. Synthesis and Solubility of Arsenic Tri-sulfide and Sodium Arsenic Oxy-sulfide Complexes in Alkaline Sulfide Solutions. A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Master of Applied Science in the Faculty of Graduate Studies (Materials Engineering), the University of British Columbia (Vancouver), June 2013, 123 p

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkalické lúhovanie antymonu z naturalného stybnitu. In *Rudy i Metale Nieżelazne Recykling*, R. 59 (2014), nr. 3, 122-126

- ADFB02 ACHIMOVIČOVÁ, Marcela - BALÁŽ, Peter. Alkaline leaching of mechanically activated berthierite and boulangerite : Alkalické lúhovanie

mechanicky aktivovaného berthieritu FeSb₂S₄ a boulangeritu Pb₅Sb₄S₁₁. In *Acta Montanistica Slovaca*, 2006, vol. 11., special issue 2, 274-279. ISSN 1335-1788.

Ohlasy:

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In *Rudy i Metale Nieżelazne Recykling*, R. 59 (2014), nr. 3, 122-126.

ADFB03 ACHIMOVIČOVÁ, Marcela. Selective leaching of metals from mechanically activated sulphides : Selektívne lúhovanie kovov z mechanicky aktivovaných sulfidov. In *Acta Montanistica Slovaca*, 1998, vol. 3., no .2, p. 1335-1788. ISSN 1335-1788.

Ohlasy:

[1.1] KE, Y. - CHAI, L.Y. - LIANG, Y.J. - MIN, X.B. - YANG, Z.H. CHEN, J. - YUAN, S. Sulfidation of heavy-metal-containing metallurgical residue in wet-milling processing. In *Minerals Engineering*, Vol. 53 (2013), p. 136-143., WOS

ADFB04 ACHIMOVIČOVÁ, Marcela - GODOČÍKOVÁ, Erika - BALÁŽ, Peter - KOVÁČ, Jaroslav - ŠATKA, A. - BILLIK, Peter. Vplyv octanu sodného na mechanochemickú syntézu PbS nanočastíc. In *Acta Metallurgica Slovaca*, 2005, roč. 11, č. 2, s.145-151. ISSN 1338-1156.

Ohlasy:

[3.1] RODE, M.N. - KAWADE, V.B. - CHAVAN, B.R. Synthesis and Characterization of L-Threonine doped NiS Nanoparticle for Optoelectronic devices. In *International Journal of Scientific & Engineering Research*, Vol. 5 (2014), Issue 7, 784-789.

ADFB05 ANDRÁŠ, Peter - KUŠNIEROVÁ, Mária - ADAM, Marcel - CHOVAN, Martin - ŠLESÁROVÁ, Andrea. Bacterial leaching of ore minerals from waste at the Pezinok deposit (Western Slovakia). In *Slovak geological magazine*, 2006, vol. 12, no. 2, p. 79-89. ISSN 1335-096X.

Ohlasy:

[4] ŠLAKOVÁ, E. - MICHALKOVÁ, E. - MÁŠA, B. - WELWARD, L. In Chemolitotrofná acidofilná mikroflóra banských vôd a jej využitie. Vyd. J. Čižmarová-Partner, Poniky, 2011, 174 s.

ADFB06 ANDRÁŠ, Peter - KRIŽÁNI, Ivan - ŠLESÁROVÁ, Andrea. The contamination of internal tissues of small mammals at the Banská Štiavnica mining area. In *Ekológia : medzinárodný časopis pre ekologické problémy biosféry = international journal of the biosphere*, 2008, vol. 27, no. 1, p. 1-10. (2008 - SCOPUS, Cambridge Scientific Abstracts, Zoological Record, ProQuest, NISCSA Databases). ISSN 1335-342X.

Ohlasy:

[1.1] DAVYDOVA, Yu.A. - MUKHACHEVA, S.V. - KSHNYASEV, I.A. Splenomegaly in small mammals: Prevalence and risk factors. In *Russian Journal of Ecology*, Vol. 43 (2012) Issue 6, 466- 475., WOS

ADFB07 BALÁŽ, Peter. Extraction of antimony and arsenic from sulfidic concentrates. In *Acta Montanistica Slovaca*, 2000, vol. 5., no. 3., p. 265-268. ISSN 1335-1788.

Ohlasy:

[1.1] SAFARZADEH, M.S. - MOATS, M.S. - MILLER, J.D. An Update to "Recent Trends in the Processing of Enargite Concentrates". In *Mineral Processing and Extractive Metallurgy Review*, vol. 35 (2014), iss. 6, p. 390-422., WOS

[3.1] LI, W. Synthesis and Solubility of Arsenic Tri-sulfide and Sodium Arsenic Oxy-sulfide Complexes in Alkaline Sulfide Solutions. A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Master of Applied Science in the Faculty of Graduate Studies (Materials Engineering), the University of British Columbia, Vancouver, June 2013, 123 p

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In *Rudy i Metale Nieżelazne Recykling*, R. 59 (2014), nr. 3, 122-126.

ADFB08 BALÁŽ, Peter - CHOI, W.S. - FABIÁN, Martin - GODOČÍKOVÁ, Erika. Mechanochemistry in the preparation of advanced materials. In *Acta Montanistica Slovaca*, 2006, vol. 11, no. 2, p. 122-129. ISSN 1335-1788.

Ohlasy:

[1.2] KULCZYCKI, A. - KAJDAS, C.K. - LIANG, H. On the mechanism of catalysis induced by mechano-activation of solid body. In *Materials Science-Poland*, vol. 32 (2014), iss. 4, p. 583-591., SCOPUS

[3.1] KULCZYCKI, A. - KAJDAS, C. A New Attempt to Better Understand Arrhenius Equation and Its Activation Energy (Chapter 4). In *Tribology in Engineering*, Edited by Haşim Pihtili, ISBN 978-953-51-1126-9, 252, Publisher: InTech, Chapters published May 08, 2013

[3.1] XIA, S. - LI, D. - ZHANG, Y.Z. - CHEN, D. Research Progress on the Pharmaceutical Materials Synthesis of Mechanochemistry Processes. In *Materials Review (China)*, Vol. 28 (2014), Issue 7, 130-133.

ADFB09 BOBRO, Milan. Funkcie minerálnych disperzoidov v pracovnom prostredí slovenských baní. In *Acta Montanistica Slovaca*, 2002, vol. 7, č.1, p.74-78. ISSN 1335-1788.

Ohlasy:

[4] BAČÍK, P. – BALUCHOVÁ, B. Mineralógia atmosféry – vplyv prachu v atmosfére na vývoj klímy a zdravie človeka. In *Zb. medz. konf. „Zmena klímy – možný dopad (nielen) na obyvateľstvo a rozvojové projekty“* 8. 11. 2012 Bratislava. Ed. Balúchová, B. Slovenska katolícka charita (SKCH)

[4] BALUCHOVÁ, B.- BAČÍK, P.- FEJDI, P. - ČAPLOVIČOVÁ, M.: Mineralogický výskum prašných spadov z rokov 2006 – 2008 v oblasti Jelšavy. *Mineralia Slovaca*, 43(2011), ISSN 0369- 2086, 327-334

ADFB10 BOBRO, Milan - BREHUV, Ján - HANČUĽÁK, Jozef. Hodnotenie nánosov v nádrži vodného diela Ružín I podľa kritérií pre životné prostredie. In *Acta Montanistica Slovaca*, 2000, vol. 5., no.3, p. 332-335. ISSN 1335-1788.

Ohlasy:

[3] SIROTIK, M. – KUPKOVÁ, V.: Kontaminácia dnových sedimentov vybraných vodných diel a možnosti ich ex-situ remediácie. *Waste Forum* 2011, 1, ISSN: 1804-0195, 32–41

- ADFB11 BOBRO, Milan - HANČULÁK, Jozef. Influence of Slovak magnesite processing on the environment : Vplyv úpravníctva magnezitu na prostredie na Slovensku. In *Geovestník : príloha časopisu Mineralia Slovaca*, 2008, roč. 40, č. 3-4, s. *Mineralia Slovaca*, 2001, vol. 33, no. 6, p. 535-538. ISSN 0369-2086.
Ohlasy:
[1.1] CSIKÓSOVÁ, A – ČULKOVÁ, K. – ANTOŠOVÁ, M. Magnesite industry in the Slovak republic. In *Gospodarka Surowcami Mineralnymi* Tom 29 (2013), Zeszyt 3, p. 21-35, WOS
- ADFB12 BOBRO, Milan - HANČULÁK, Jozef. Mineralogické vlastnosti imisných depónií v oblastiach magnezitového priemyslu. In *Acta Montanistica Slovaca*, 1997, vol. 2, no. 3, p. 240-243. ISSN 1335-1788.
Ohlasy:
[3] HRUŠKA-TRVDÝ, L. – KELLER, J. – DOLEŽELOVÁ, H. – FOLDYNOVÁ, I. – KOHUTOVÁ, P. – KUKULIAČ, P. – ŠEBOVÁ, M.: Industriální město v postindustriální společnosti 3.díl, ACCENDO – Centrum pro vědu a výzkum, o.p.s., Ostrava 2011, ISBN 978-80- 904810-1-5, 222 s
- ADFB13 BOBRO, Milan - HANČULÁK, Jozef - DORČÁKOVÁ, Hana - BÁLINTOVÁ, Magdaléna. Monitorovanie imisnej záťaže pôd v Muránskej doline. In *Acta Montanistica Slovaca*, 2000, vol. 5., no. 1, p. 33-35. ISSN 1335-1788.
Ohlasy:
[4] KOBZA, J.: Aktuálny stav záťaže pôd v regiónoch vplyvu magnezitového priemyslu Jelšava – Lubeník a Hačava. In. Zborník z IX. odborného seminára „Monitorovanie a hodnotenie stavu životného prostredia IX“ (eds. Kontrišová O., Marušková A, Váľka J.), Zvolen 21. september 2010, Katedra environmentálneho inžinierstva - Fakulta ekológie a environmentalistiky TU Zvolen, Vydavateľstvo TU vo Zvolene 2011, ISBN 978-80-228-2271-8, 17-21
- ADFB14 DAKOS, Zuzana - KUPKA, Daniel - ACHIMOVÍČOVÁ, Marcela. Metal mobilization from AMD sediments in connection with bacterial iron reduction. In *Mineralia Slovaca*, 2010, vol. 42, no. 3, p. 343-347. (2010 - GeoRef). ISSN 0369-2086.
Ohlasy:
[1.1]] BALINTOVA, M. - PAVLIKOVA, P. - HOLUB, M. - PETRILAKOVA, A. Leaching of Heavy Metals from Contaminated Sediment. In *Chemical Engineering Transactions* Vol. 35 (2013), p. 865-870, WOS
[1.2] HOLUB, M. - BALINTOVA, M. - PAVLIKOVA, P. - DEMČAK, S. Application of various methods for sulphates removal under acidic conditions. In *Proc. 14th International Multidisciplinary Scientific GeoConference and EXPO, SGEM 2014, Albena, Bulgaria, 17-26 June 2014*, vol. 2 (2014), iss. 5, p.39-46., SCOPUS
- ADFB15 FEDOROVÁ, Erika. Acidifikácia vôd v oblasti ložiska Smolník. In *Acta Montanistica Slovaca*, 2000, vol. 5, p. 326-328. ISSN 1335-1788.
Ohlasy:
[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s

ADFB16 FUTÓ, Jozef - TRÉFOVÁ, Ľudmila - IVANIČOVÁ, Lucia. Optimalization of disintegration using acoustic signal. In *Acta Montanistica Slovaca*, 2003, vol. 8., no. 4, p. 174-175. ISSN 1335-1788.

Ohlasy:

[1.1] NEUSTUPA, Z. - LÉTAVKOVÁ, D. - DANEL, R. Utilization of the acoustic and vibration signal for observing transported material using belt conveyors. In 12th International Multidisciplinary Scientific GeoConference and EXPO - Modern Management of Mine Producing, Geology and Environmental Protection, SGEM 2012, Bulgaria, 943-949, WOS

ADFB17 HANČULÁK, Jozef - BOBRO, Milan. Influence of Magnesite Industry on Immission Load by Solids in the Area of Jelšava (In Slovak). In *Acta Montanistica Slovaca*, 2004, vol. 9, no.4, p. 401-405. ISSN 1335-1788.

Ohlasy:

[4] MICHAELI, E. - BOLTIŽIAR, M. Vybrané lokality environmentálnych záťaží v zaťažených oblastiach Slovenska. Geografické štúdie Roč. 14 (2010), 1, © UKF v Nitre 2011 ISSN: 1337-9445, 18- 48

ADFB18 HANČULÁK, Jozef. Vývoj spadovej prašnosti v oblasti závodu SMZ, a.s. Jelšava. In *Acta Montanistica Slovaca*, 2000, vol. 5, no. 3, p. 310-312. ISSN 1335-1788.

Ohlasy:

[1.1] CSIKÓSOVÁ, A – ČULKOVÁ, K. – ANTOŠOVÁ, M. Magnesite industry in the Slovak republic. In *Gospodarka Surowcami Mineralnymi* Tom 29 (2013), Zeszyt 3, p. 21-35., WOS

[4] BAČÍK, P. – BALUCHOVÁ, B. Mineralógia atmosféry – vplyv prachu v atmosfére na vývoj klímy a zdravie človeka. In *Zb. medz. konf. „Zmena klímy – možný dopad (nielen) na obyvateľstvo a rozvojové projekty“* 8. 11. 2012 Bratislava. Ed. Balúchová, B. Slovenska katolícka charita (SKCH

[4] BALUCHOVÁ, B. - BAČÍK, P. - FEJDI, P. - ČAPLOVIČOVÁ, M.: Mineralogický výskum prašných spadov z rokov 2006 – 2008 v oblasti Jelšavy. *Mineralia Slovaca*, 43(2011), ISSN 0369- 2086, s. 327-334.

ADFB19 HREDZÁK, Slavomír - LOVÁS, Michal - MATIK, Marek - JAKABSKÝ, Štefan - GEŠPEROVÁ, Danko - BRIANČIN, Jaroslav - BALOG, Marián. Mineral characteristics of dust outlets from rotary furnaces of iron ore works Siderite, Ltd., Nižná Slaná. In *Mineralia Slovaca*, 2010, vol. 42, no. 3, p. 295-300. (2010 - GeoRef). ISSN 0369-2086.

Ohlasy:

[1.1] HANČULÁK, Jozef - FEDOROVÁ, Erika - ŠESTINOVÁ, Oľga - ŠPALDON, Tomislav - REMIÁŠOVÁ, Jarmila. Atmospheric deposition of heavy metals in the area of Košice city (Slovakia). In *Modern Management of Mine Producing, Geology and Environmental Protection : proceedings from 11th International Multidisciplinary Scientific GeoConference (Albena: 20-25 June 2011)*. Eds. N. Sabotinov, M. Mazhdrakov. - Albena (Bulgaria): SGEM, 2011, p. 1157-1163., WOS

[1.2] LUO, L.Q. - CHEN, M. - YAN, H.T. - CUI, S.S. - ZHANG, Y.J. Magnetic reduction roasting and magnetic separation of oolitic iron ore. In

- ADFB20 HREDZÁK, Slavomír - DOLINSKÁ, Silvia - LUKČOVÁ, Mária - ZUBRIK, Anton. Príprava nízkopopulnatých produktov zo slovenských lignitických uhľí - materiálová bilancia. In *Acta Montanistica Slovaca*, 2006, vol. 11, no.2, p. 300-303. ISSN 1335-1788.

Ohlasy:

[1.1] HACIFAZLIOGLU, H. Application of the modified water-only cyclone for cleaning fine coals in a Turkish washery, and comparison of its performance results with those of spiral and flotation. In *Fuel Processing Technology*, Vol. 102 (2012), 11-17, WOS

- ADFB21 JABLONOVSKÁ, Katarína - ŠTYRIAKOVÁ, Iveta. Sorpcia zinku a olova na vybrané ílové minerály. In *Acta Montanistica Slovaca*, 2006, vol. 11, no.2, p. 304-308. ISSN 1335-1788.

Ohlasy:

[4.1] BENDEK, F. - HREDZÁK, S. - ŠTEFUŠOVÁ, K. - VÁCLAVÍKOVÁ, M. An effect of pH on the adsorption of metals onto natural minerals. Zb. Situácia v ekologicky zaťažených regiónoch Slovenska a Strednej Európy, XXIII. Vedecké sympóziu s medzinárodnou účasťou Hrádok, 23.-24. október 2014, 2014, 120-124

- ADFB22 JAKABSKÝ, Štefan - KAROLI, Anton - HREDZÁK, Slavomír - LOVÁS, Michal - ZNAMENÁČKOVÁ, Ingrid. Possibilities of processing and utilization of tailing from the settling pit near by Rudňany village (eastern Slovakia). In *Mineralia Slovaca*, 2010, vol. 42, no. 3, p. 305-308. (2010 - GeoRef). ISSN 0369-2086.

Ohlasy:

[1.1] HILLER, E. - PETRÁK, M. - TÓTH, R. - LALINSKÁ-VOLEKOVÁ, B. - JURKOVIČ, Ľ. - KUČEROVÁ, G. - RADKOVÁ, A. - ŠOTTNÍK, P. - VOZÁR, J. Geochemical and mineralogical characterization of a neutral, low-sulfide/high-carbonate tailings impoundment, Markušovce, eastern Slovakia. In *Environmental Science and Pollution Research*, Vol. 20 (2013), Issue 11, p. 7627-7642., WOS

[1.2] PETRÁK, M. - HILLER, E. - ŠOTTNÍK, P. - JURKOVIČ, Ľ. - LALINSKÁ-VOLEKOVÁ, B. - TÓTH, R. - VOZÁR, J. Geochemical characterization and evaluation of a neutral, low- sulfide/high-carbonate tailings impoundment, Markušovce (Slovakia). In *Proceedings of 13th International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM*, Vol. 1 (2013), p. 505-512, SCOPUS

- ADFB23 JENČÁROVÁ, Jana. The bacterially preparation of iron sulphides. In *Acta Metallurgica Slovaca*, 2008, roč. 14, mimoriadne č. 1, s. 106-109. ISSN 1338-1156.

Ohlasy:

[1.1] LUPTAKOVA, A. - UBALDINI, S. – MACINGOVA, E. – FORNARI, P. – GIULIANO, V. Application of physical-chemical and biological-chemical methods for heavy metals removal from acid mine drainage. In *Process Biochemistry*, ISSN: 1359-5113, Vol. 47 (2012), Issue 11, 1633-1639, WOS

[3.1] LUPTÁKOVÁ, A. - BÁLINTOVÁ, M. - KOTULIČOVÁ, I. - HOLUB, M. Treatment of Acid Mine Drainage in the Deposit Smolník. In *Proceedings*

18th International Conference on Waste Recycling, Miskolc, Hungary, 9-10 October, 2014, 1-7.

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s

[4] LUPTÁKOVÁ, A. - UBALDINI, S. - MAČINGOVÁ, E. - KOTULIČOVÁ, I. Study of precipitating methods for elimination of heavy metals from acid mine drainage. In *Nova Biotechnologica et Chimica*, ISSN 1338-6905, 2012, vol. 11, no. 2, p. 1-6.

ADFB24 KOVÁČOVÁ, Milota - LOVÁS, Michal - ZNAMENÁČKOVÁ, Ingrid - JAKABSKÝ, Štefan. Chemická stabilita mikrovlnne vitrifikovaných odpadov. In *Acta Montanistica Slovaca*, 2004, vol. 9., no.4, p. 410-413. ISSN 1335-1788.

Ohlasy:

[3] RÜTHER, T. Vitrifikace s využitím technologie indukčního ohřevu. Diplomová práce. Katedra elektroenergetiky a ekologie, Fakulta elektrotechnická, Západočeská univerzita v Plzni, Plzeň 2012, 79 s.

ADFB25 KREPELKA, František - CHLEBOVÁ, Zuzana - IVANIČOVÁ, Lucia. Analýza napätosti v oblasti kontaktu vrtacieho nástroja a vrtanej horniny. In *Acta Mechanica Slovaca : časopis Strojníckej fakulty Technickej univerzity v Košiciach*. ISSN 1335-2393.

Ohlasy:

[1.1] LESSO, Igor - FLEGNER, Patrik - HOROVCAK, Pavel - STEHLIKOVA, Beata - SABOVA, Zuzana. Some Problems in Control of the Quality of the Process of Rotary Drilling of Rocks by Using Suitable Visualization of Concurrent Vibrations. In 2014 15TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC). 2014, p. 310-315., WOS

ADFB26 KREPELKA, František - CHLEBOVÁ, Zuzana - IVANIČOVÁ, Lucia. Meranie, analýza a vyhodnocovanie prevádzkových náhodných procesov pri vrtaní hornín. In *Acta Mechanica Slovaca : časopis Strojníckej fakulty Technickej univerzity v Košiciach*, 2008, vol. 12, no 3-C, p. 229-236. ISSN 1335-2393.

Ohlasy:

[1.1] LEŠŠO, I. - FLEGNER, P. - FERIANČIKOVÁ, K. - SABOVÁ, Z. Some problems in application of the theory of abstract spaces. In Proceedings of the 14th International Carpathian Control Conference, ICC 2013, Rytro, Poland, 2013, p. 212-217., WOS

[1.2] LEŠŠO, I. - FLEGNER, P. - LACIAK, M. - FERIANČIKOVÁ, K. Hilbert spaces as an efficient instrument for signal processing in geotechnics: Application of vector quantisation method in Hilbert space for effective and quality process control of rock disintegration by rotary drilling. In Proceedings of the 12th International Carpathian Control Conference, ICC 2011, Velké Karlovice, Czech Republic, 2011, 249-252, SCOPUS

ADFB27 KREPELKA, František - FUTÓ, Jozef - LABAŠ, Milan. Monitorovanie vrtného procesu s využitím akustického signálu. In *Acta Montanistica Slovaca*, 2000, vol. 5, no. 3, p. 237-240. ISSN 1335-1788.

Ohlasy:

[1.1] STEHLIKOVA, B. - FLEGNER, P. Possibilities to compare vibration

in drilling rocks. In 2014 15TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC). 2014, p. 557-561., WOS

- ADFB28 KUPKA, Daniel. Bakteriálna oxidácia a redukcia železa v procese tvorby a spracovania kyslých banských vôd. In *Acta Montanistica Slovaca*, 2004, vol. 9., no. 4, p. 467-472. ISSN 1335-1788.

Ohlasy:

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s

[4] DAKOS, Zuzana. Bakteriálna transformácia minerálov s obsahom železa. Dakos Z. Košice, 2011. 105. Ústav geotechniky SAV v Košiciach

- ADFB29 KUPKA, Daniel - SEKULA, Peter - TISCHLER, O. - BRIANČIN, Jaroslav. Biologická degradácia polycyklických aromatických uhľovodíkov v pôde znečistenej uhoľným dechtom. In *Acta Montanistica Slovaca*, 2006, vol. 11, no. 2, p.314-320. ISSN 1335-1788.

Ohlasy:

[1.1] TAKACOVA, A. - SMOLINSKA, M. - RYBA, J. - MACKULAK, T. - JOKRLLOVA, J. - HRONEC, P. - CIK, G. Biodegradation of Benzo[a]Pyrene through the use of algae. In *Central European Journal of Chemistry*, vol. 12 (2014), iss. 11, p. 1133-1143., WOS

- ADFB30 KUPKA, Daniel - ŠKVARLA, Jiří. Kinetics of chemical oxidation of ferrous iron by oxygen in acid sulfate solutions. In *Acta Metallurgica Slovaca*, 2001, roč.3, s. 1335-1532. ISSN 1338-1156.

Ohlasy:

[1.1] VOLLRATH, S. - BEHREND, T. - KOCH, C.B. - VAN CAPPELLEN, P. Effects of temperature on rates and mineral products of microbial Fe(II) oxidation by *Leptothrix cholodnii* at microaerobic conditions. In *Geochimica et Cosmochimica Acta*, Vol. 108 (2013), p. 107-124, WOS

- ADFB31 LABAŠ, Milan - KREPELKA, František - MIKLÚŠOVÁ, Viera. Complex investigation of thermo-technical parameters of Ruskov andesite. In *Acta Montanistica Slovaca*, 2006, vol. 11., no. 2, p. 321-325. ISSN 1335-1788.

Ohlasy:

[1.1] LAVALLEE, Y. - MITCHELL, T.M. - HEAP, M.J. - VASSEUR, J. - HESS, K.U. - HIROSE, T. - DINGWELL, D.B. Experimental generation of volcanic pseudotachylytes: Constraining rheology. In *Journal of structural Geology*, Vol. 38, (2012), Special Issue: SI, 222-233, WOS

- ADFB32 LAZAROVÁ, Edita - TRÉFOVÁ, Ľudmila - KRÚPA, Vítazoslav. Evaluation of rock mass conditions in excavated tunnel. : Hodnotenie kvality horninového masívu v trase razeného tunelového diela. In *Pozemné komunikácie a dráhy*, 2008, roč. 4, č. 1-2, s. 3-12. ISSN 1336-7501.

Ohlasy:

[1.1] KOSTÚR, K. - FUTÓ, J. - KREPELKA, F. - IVANIČOVÁ, L. Comparison of characteristics of excavation process and characteristics of acoustic signal in TBM excavation. In *Proceedings of the 13th International*

Carpathian Control Conference, ICCC 2012, Podbanské, Slovakia, 2012, 332-335., WOS

- ADFB33 LAZAROVÁ, Edita - KRÚPA, Vítázoslav. Experience from full-profile exploration excavation of tunnels construction. In *Acta Montanistica Slovaca*, 2006, vol. 11, special Issue 2, p. 330-334. ISSN 1335-1788.

Ohlasy:

[2.2] MALINDŽÁKOVÁ, M. - FUTÓ, J. Tunnel boring machine design and reliability parameters of a dynamic rock-indentor system. In *Komunikácie* 14 (4), 2012, 79-82, SCOPUS

- ADFB34 LEŠKO, O. - BOBRO, Milan. Development of dust deposition in the plants of SMZ Jelšava and SMZ Lubeník : Čistota ovzdušia v oblasti magnezitového priemyslu Jelšava-Lubeník. In *Rudy*, 1987, vol. 35., no. 8, p. 232-234.

Ohlasy:

[1.1] CSIKÓSOVÁ, A – ČULKOVÁ, K. – ANTOŠOVÁ, M. Magnesite industry in the Slovak republic. In *Gospodarka Surowcami Mineralnymi* Tom 29 (2013), Zeszyt 3, p. 21-35., WOS

- ADFB35 LINTNEROVÁ, Oľília - LÍŠKOVÁ, Monika - KUŠNIEROVÁ, Mária. The environmental impact of acidification in the Banská Stiavnica mining area. In *Geologica Carpathica*, 1999, vol. 50, special Issue, p. 190-191. (0.273 - IF1998). (1999 - Current Contents). ISSN 1335-0552.

Ohlasy:

[1.1] KUPKA, D. - DAKOS, Z. - HORŇÁKOVÁ, A. - ACHIMOVÍČOVÁ, M. - KAVEČANSKÝ, V. Effluent water quality and the ochre deposit characteristics of the abandoned Smolník mine, East Slovakia. In *Acta Montanistica Slovaca*, 2012, vol. 17, no.1, 56-64, WOS

- ADFB36 LUPTÁKOVÁ, Alena. Aplikácia síran-redukujúcich baktérií pri eliminácii ťažkých kovov z kyslých banských vôd. In *Acta Montanistica Slovaca*, 2004, vol. 9., no.4, p.477-481. ISSN 1335-1788.

Ohlasy:

[4] DAKOS, Zuzana. Bakteriálna transformácia minerálov s obsahom železa. *Dakos Z.* Košice, 2011. 105. Ústav geotechniky SAV v Košiciach

- ADFB37 LUPTÁKOVÁ, Alena. Bioakumulácia ťažkých kovov z kyslých banských vôd. In *Acta Avionica*, p. 104-107. ISSN 1335-9479.

Ohlasy:

[4] KADUKOVÁ, J. - ŠTOFKO, M. - MRAŽÍKOVÁ, A. Základy biometalurgie (biolúhovanie kovov autotrófnymi mikroorganizmami). *Equilibria*, s.r.o. Košice, 2012. ISBN 978-80-8143-004-6. 184s.

[4] RUSKO, M. - ANDRÁŠ, P. - KUŠNIEROVÁ, M. - ASCHENBRENNER, Š. - KRNÁČ, J. - DUBIEL, J. Formation of Acid Drainage Water at Sb (Au) Deposit Pezinok. In *Research Papers Faculty of Materials Science and Technology in Trnava, Slovak University of Technology in Bratislava*, Vol.19 (2012), No. 31, 57-68

- ADFB38 LUPTÁKOVÁ, Alena - KUŠNIEROVÁ, Mária. Bioremediation of acid mine drainage contaminated by heavy metals. In *Acta Montanistica Slovaca*, 2004, vol. 10., special issue 2, s.183-188. ISSN 1335-1788.
Ohlasy:
[4] KADUKOVA, J. - HORVATHOVA, H.: Biosorption of Copper, Zinc and Nickel from Multi- Ion Solutions. In *Biotechnology & Metals 2011: 2nd International Conference*, Sept. 22-23, 2011, Košice. Eds. Alena Luptáková, Jana Kaduková, Hedviga Horváthová, Mária Praščáková. - Košice: Equilibria, 2011, 115-118. ISBN 978-80-553-0723-7.
[4] KADUKOVÁ, J. - ŠTOFKO, M. - MRAŽÍKOVÁ, A. Základy biometalurgie (biolúhovanie kovov autotrófnymi mikroorganizmami). Equilibria, s.r.o. Košice, 2012. ISBN 978-80-8143-004-6. 184s.
- ADFB39 LUPTÁKOVÁ, Alena. Importance of sulphate-reducing bacteria in environment. In *Nova biotechnologica*, p. 17-22. ISSN 1337-8783.
Ohlasy:
[1.1] OKAFOR, N.: Taxonomy, Physiology, and Ecology of Aquatic Microorganisms. In *Environmental Microbiology of Aquatic and Waste Systems*, 2011, 47-107., WOS
- ADFB40 LUPTÁKOVÁ, Alena - BÁLINTOVÁ, Magdaléna - JENČÁROVÁ, Jana - MAČINGOVÁ, Eva - PRAŠČÁKOVÁ, Mária. Metals recovery from acid mine drainage. In *Nova biotechnologica*, 2010, vol. 10, no. 1, p. 23-32. ISSN 1337-8783.
Ohlasy:
[1.1] FOSSO-KANKEU, E. - MULABA-BAFUBIANDI, A.F. - MISHRA, A.K. Prospects for Immobilization of Microbial Sorbents on Carbon Nanotubes for Biosorption: Bioremediation of Heavy Metals Polluted Water (Book Chapter). In *Application of Nanotechnology in Water Research*, ISBN 978-111893931-4 , 2014, p.37-61., WOS
[1.2] SIMATE, G.S. - NDLOVU, S. Acid mine drainage: Challenges and opportunities. In *Journal of Environmental Chemical Engineering*. ISSN 2213-3437, vol. 2 (2014), iss. 3, p. 1785-1803, SCOPUS
- ADFB41 LUPTÁKOVÁ, Alena - MAČINGOVÁ, Eva - ONDREJKA HARBULÁKOVÁ, Vlasta. Positive and negative aspects of sulphate-reducing bacteria in environment and industry. In *Nova biotechnologica*, 2009, vol. 9, p. 147-154. ISSN 1337-8783.
Ohlasy:
[1.1] JAVAHERDASHTI, R. Impact of sulphate-reducing bacteria on the performance of engineering materials. In *Applied Microbiology and Biotechnology*. 2011, vol. 91, issue 6, 1507-1517, WOS
- ADFB42 LUPTÁKOVÁ, Alena - MAČINGOVÁ, Eva - APIARIOVÁ, Katarína. The selective precipitation of metals by bacterially produced hydrogen sulphide. In *Acta Metallurgica Slovaca*, 2008, roč. 14, č. 1, s. 149-154. ISSN 1338-1156.
Ohlasy:
[1.1] BALINTOVA, M. - PAVLIKOVA, P. - HOLUB, M. - PETRILAKOVA, A.: Leaching of Heavy Metals from Contaminated Sediment. In *Chemical Engineering Transactions* 35 (2013), p. 865-870, WOS
[1.1] BALINTOVA, M. - PETRILAKOVA, A. - SINGOVSKA, E. Study

of metal ion sorption from acidic solutions. In THEORETICAL FOUNDATIONS OF CHEMICAL ENGINEERING. ISSN 0040-5795, NOV 2012, vol. 46, no. 6, p. 727-731., WOS

[1.1] BALINTOVA, M. - SINGOVSKA, E. Acid mine drainage as environmental risk for surface water. In SGEM 2011, Vol. 3. Sofia: Bulgarian Academy of Sciences, 2011, 175-182, WOS

[1.1] PETRILAKOVÁ, A. - BÁLINTOVÁ, M. Utilization of Sorbents for Heavy Metals Removal from Acid Mine Drainage. In Proceedings of the 14th International Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction Location: Florence, Italy, May 08-11, 2011, Book Series: Chemical Engineering Transactions (eds. Klemes J.J., Varbanov, P.S., Lam, H.L.), Vol. 25, 339-344., WOS

[1.1] SINGOVSKA, E. - BALINTOVA, M. Pollution and Potential Ecological Risk Assessment of Heavy Metals in the Smolnik Creek (Slovakia). In: 17th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction, 2014, Location: Prague, CZECH REPUBLIC, AUG 23-27, 2014 ed. Varbanov, PS., Klemes, JJ., Liew, PY., Yong, JY., Stehlik, P. Book Series: Chemical Engineering Transaction, vol. 39 (2014) pp.1759-1764, ISBN 978-88-95608-30-3, ISSN 1974-9791, DOI: 10.3303/CET1439294, WOS

[1.1] SINGOVSKA, E. - BALINTOVA, M. - JUNAKOVA, N. Evaluation of surface water pollution in the Smolnik creek. In Proc. 13th International Multidisciplinary Scientific Geoconference, SGEM 2013; Albena; Bulgaria; 16 - 22 June 2013, Vol. 1 (2013), p. 445-450., WOS

[1.2] SINGOVSKÁ, E. - BÁLINTOVÁ, M. Metal pollution assessment in sediments of the Smolnik creek, Slovakia. Pollack Periodica. vol. 9, iss. 1, 2014, p. 117-125, SCOPUS

[1.2] SINGOVSKÁ, E. - BÁLINTOVÁ, M. - HOLUB, M. Pollution index calculation for geochemical assessment of heavy metals in watercourses contaminating water reservoir Ružin 1. (Slovakia). In Proc. 14th International Multidisciplinary Scientific GeoConference and EXPO, SGEM 2014, Albena, Bulgaria, 17-26 June 2014, vol. 2, p. 499-505., SCOPUS

[3.1] SINGOVSKÁ, E. - BÁLINTOVÁ, M. Evaluation quality of sediments for aquatic pollution control in Slovakia. In International Scientific Conference "People, Buildings and Environment" (PBE2014) 15-17 October, 2014, Kroměříž, Czech Republic, 623-629

ADFB43 MAČINGOVÁ, Eva. The possibilities of the treatment of acid mine drainage. In *Acta Metallurgica Slovaca*, 2008, roč. 14, č. 1, s. 155-161. ISSN 1338-1156.

Ohlasy:

[3.1] LUPTÁKOVÁ, A. - BÁLINTOVÁ, M. - KOTULIČOVÁ, I. - HOLUB, M. Treatment of Acid Mine Drainage in the Deposit Smolník. In Proceedings 18th International Conference on Waste Recycling, Miskolc, Hungary, 9-10 October, 2014, 1-7.

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s

- ADFB44 MACHAJOVÁ, Z. - ČURILOVÁ, D. - PRAŠČÁKOVÁ, Mária. Možnosti využitia chemicky upraveného uhlia. In *Acta Montanistica Slovaca*, 2002, vol. 7., no.1, p. 34-36. ISSN 1335-1788.
Ohlasy:
[1.1] VESELSKÁ, V. - MAJZLAN, J. - HILLER, E. - PEŤKOVÁ, K. - JURKOVIC, Ľ. - ĎURŽA, O. - VOLEKOVÁ-LALINSKÁ, B. Geochemical characterization of arsenic-rich coal-combustion ashes buried under agricultural soils and the release of arsenic. In *Applied Geochemistry*, Vol. 33 (2013), 153-164, WOS
- ADFB45 MACHAJOVÁ, Z. - VERBICH, F. - SÝKOROVÁ, I. The geology, petrography and mineralogy composition of coal from the Nováky deposit. In *Acta Montanistica Slovaca*, 2002, vol. 7, no.1, p. 28-33. ISSN 1335-1788.
Ohlasy:
[1.1] BOLANZ, R.M. - MAJZLAN, J. - JURKOVIC, L. - GOTTLICHER, J. Mineralogy,, WOS
- ADFB46 MATIK, Marek - VÁCLAVÍKOVÁ, Miroslava - HREDZÁK, Slavomír - LOVÁS, Michal - JAKABSKÝ, Štefan. Možnosti modifikácie zeolite oxidmi železa a jeho využitia pri odstraňovaní Pb(II) z vodných roztokov. In *Acta Montanistica Slovaca*, 2004, vol. 9., no. 4, s.418-422. ISSN 1335-1788.
Ohlasy:
[3] ROZUMOVÁ L. - SEIDLEROVÁ, J. - ŠAFAŘÍK, I. - ŠAFAŘÍKOVÁ, M. - GABOR, R. Sorption of Pb on magnetically modified biological materials. In *NANOCON 2012*, 23.- 25.10.2012, Brno, Czech Republic, 6 s.
- ADFB47 MATIK, Marek - VÁCLAVÍKOVÁ, Miroslava - HREDZÁK, Slavomír - LOVÁS, Michal - JAKABSKÝ, Štefan. Možnosti modifikácie zeolitu oxidmi železa a jeho využitia pri odstraňovaní Pb(II) z vodných roztokov. In *Acta Montanistica Slovaca*, 2004, vol. 9, no.4, p. 418-422. ISSN 1335-1788.
Ohlasy:
[3] PRVULOVIĆ, D. Aluminosilikati u ishrani pilića: biohemijski parametri i antitoksični efekti. Doktorska disertacija, Univerzitet u Novom Sadu, Prirodno-Matematički Fakultet, Departman za Hemiju, Biohemiju i Zaštitu Životne Sredine, Novi Sad, novembar 2011, 188 s.
- ADFB48 MILOVSKÁ, Stanislava - MADEJOVÁ, Jana - KUŠNIEROVÁ, Mária - CHOVAN, Martin. Precipitation and chemical composition of iron ochres in the pyrite and stibnite deposits in The Malé Karpaty Mts. Názov z. Požaduje sa.
Ohlasy:
[1.1] HILLER, E. - PETRÁK, M. - TÓTH, R. - LALINSKÁ-VOLEKOVÁ, B. - JURKOVIC, Ľ. - KUČEROVÁ, G. - RADKOVÁ, A. - ŠOTTNÍK, P. - VOZÁR, J. Geochemical and mineralogical characterization of a neutral, low-sulfide/high-carbonate tailings impoundment, Markušovce, eastern Slovakia. In *Environmental Science and Pollution Research*, Vol. 20 (2013), Issue 11, p. 7627-7642., WOS
[1.1] ONDREJKOVA, I. - ZENISOVA, Z. - FLAKOVA, R. - KRCMAR, D. - SRACEK, O.: The Distribution of Antimony and Arsenic in Waters of the DA(0)brava Abandoned Mine Site, Slovak Republic. In *Mine Water and the Environment*, Vol. 32 (2013), Issue 3, 207-221, WOS

ADFB49 MOCKOVČIAKOVÁ, Annamária - DANKOVÁ, Zuzana - MATIK, Marek - HUDEČ, Pavol - KMECOVÁ, Erika. Iron oxide contribution to the modification of natural zeolite. In *Acta Montanistica Slovaca*, 2006, vol. 11, special issue 2, p. 353-357. ISSN 1335-1788.

Ohlasy:

[1.1] BAJPAI, A.K. - GUPTA, R. Magnetically mediated release of ciprofloxacin from polyvinyl alcohol based superparamagnetic nanocomposites. In *JOURNAL OF MATERIALS SCIENCE - MATERIALS IN MEDICINE*. 2011, vol. 22, issue 2, p. 357-369, WOS

[1.1] GUPTA, R. - BAJPAI, AK. Superparamagnetic nanocomposites of poly(vinyl alcohol-graftacrylonitrile) as carrier for magnetically assisted release of ciprofloxacin. In *Macromolecular Symposia*, vol. 315 (2012), p. 73-83., WOS

[1.1] JEVTIC, S. - ARCON, I. - RECNIK, A. - BABIC, B. - MAZAJ, M. - PAVLOVIC, J. - MATIJASEVIC, D. - NIKSIC, M. - RAJIC, N. The iron(III)-modified natural zeolitic tuff as an adsorbent and carrier for selenium oxyanions. In *Microporous and Mesoporous Materials*, vol. 197 (2014), p. 92-100., WOS

ADFB50 PLEŠINGEROVÁ, B. - SÚČIK, Gabriel - FABIÁN, Martin. Surface area change of kaolin causing annealing. In *Acta Metallurgica Slovaca*, 2011, roč. 17, č. 3, s. 169-176. ISSN 1338-1156.

Ohlasy:

[1.1] PODOBA, R. - STUBNA, I. - TRNOVCOVA V. - TRNIK, A. Temperature dependence of DC electrical conductivity of kaolin. In *Journal of Thermal Analysis and Calorimetry*, Vol. 118 (2013), p. 597-601., WOS

ADFB51 ŠEPELÁK, Vladimír - TKÁČOVÁ, Klára. Mechanically induced structural disordering in spinel ferrites. In *Acta Montanistica Slovaca*, 1997, vol. 2., no. 3, p. 266-272. ISSN 1335-1788.

Ohlasy:

[1.1] LAZAREVIĆ, Z.Ž. - JOVALEKIĆ, Č. - SEKULIĆ, D.L. - MILUTINOVIĆ, A. - BALOŠ, S. - SLANKAMENAC, M. - ROMČEVIĆ, N.Ž. Structural, electrical and dielectric properties of spinel nickel ferrite prepared by soft mechanochemical synthesis. In *Materials Research Bulletin* 48 (10), (2013) p. 4368-4378., WOS

[1.1] MILUTINOVIĆ, A. - LAZAREVIĆ, Z. - JOVALEKIĆ, Č. - KURLISZYN-KUDELSKA, I. nanopowder zinc ferrite obtained by soft mechanochemical processing. In *Materials Research Bulletin* 48 (11), (2013) p. 4759-4768., WOS

ADFB52 ŠESTINOVÁ, Oľga - FINDORÁKOVÁ, Lenka - HANČULÁK, Jozef. Toxicity Testing of Sediments. In *Nova Biotechnologica et Chimica*, 2012, vol.11, no. 2, p. 111-116. ISSN 1338-6905.

Ohlasy:

[1.1] JUNAKOVA, N. - BALINTOVA, M. The Study of Bottom Sediment Characteristics as a Material for Beneficial Reuse. In *Chemical Engineering Transactions*. DOI: 10.3303/CET1439107 vol. 39, 2014, pp. 637-642, WOS

ADFB53 ŠKVARLA, Jiří - KUPKA, Daniel - TURČÁNIOVÁ, Ľudmila. Recent knowledge about the role of bacterial adhesion in coal preparation. In *Acta Montanistica Slovaca*, 1998, vol. 3, p. 368-377. ISSN 1335-1788.

Ohlasy:

[1.1] DIAO, M.X. - TARAN, E. - MAHLER, S. - NGUYEN, A.V. A concise review of nanoscopic aspects of bioleaching bacteria-mineral interactions. In *Advances in Colloid and Interface Science*, Vol. 212 (2014), 45-63., WOS

[1.1] IVSHINA, I.B. - KUYUKINA, M.S. - KRIVORUCHKO, A.V. - PLEKHOV, O.A. - NAIMARK, O.B. - PODOROZHKO, E.A. - LOZINSKY, V.I. Biosurfactant-enhanced immobilization of hydrocarbon-oxidizing *Rhodococcus ruber* on sawdust. In *Applied Microbiology and Biotechnology*, Vol. 97 (2013), Issue 12, p. 5315-5327, WOS

ADFB54 ŠPALDON, F. - TURČÁNIOVÁ, Ľudmila. Tuzemské uhoľné zásoby a možnosti ich využitia pre potreby Slovenska. In *Acta Montanistica Slovaca*, 1998, vol.3, no. 3, p.199-203. ISSN 1335-1788.

Ohlasy:

[4.1] PAŽICKÁ, A. - BRČEKOVÁ, J. - KLIMKO, T. - JURKOVIČ, Ľ. - PEŤKOVÁ, K - KORDÍK, J. - SLANINKA, I. Charakteristika geogénneho a antropogénneho pôvodu potenciálne toxických stopových prvkov vo vybratých riečnych sedimentoch Slovenska na základe geochemického a mineralogického hodnotenia. In *Mineralia Slovaca*, 46 (2014), 117-126

ADFB55 ŠPALDON, Tomislav - BREHUV, Ján - BOBRO, Milan - HANČULÁK, Jozef - ŠESTINOVÁ, Oľga. Development of mining in the Spiš-Gemer ore mountains (In Slovak). In *Acta Montanistica Slovaca*, 2006, vol. 11, no. 1, p. 37-379. ISSN 1335-1788.

Ohlasy:

[1.2] PETRILÁKOVÁ, A., BÁLINTOVÁ, M. Evaluation of Sorbents efficiency on heavy metals removal from acid mine drainage. In *Pollack Periodica*. 2011, vol. 2, iss.2, p. 139-146, SCOPUS

ADFB56 ŠPALDON, Tomislav - BREHUV, Ján - BOBRO, Milan - HANČULÁK, Jozef - ŠESTINOVÁ, Oľga. Mining development the Spiš-Gemer ore-location : Rozvoj baníctva v Spišsko-gemerskom Rudohorí. In *Acta Montanistica Slovaca*, 2006, vol. 11, č. 2, s. 375-379. ISSN 1335-1788.

Ohlasy:

[1.1] BALINTOVA, M. - SINGOVSKA, E.: Acid mine drainage as environmental risk for surface water. 11th International Multidisciplinary Scientific GeoConference: 20-25. June 2010 Albena, (SGEM 2011), VOL III Book Series: International Multidisciplinary Scientific GeoConference-SGEM, 175-182, WOS

[1.1] BLASKOVA, J. – VOJTEKOVA, V. – NOVAKOVA, J. – MACKOVYCH, D. – BAZEL, Y. – LAPCIK L. – POPERNOKOVA, Z. – ABUSENAINA, A.M.M. Sono-extraction as apretreatment approach for the screening evaluation of element mobility of sediment samples. In *Central European Journal of Chemistry*, Vol. 11 (2013), 7, p. 1201-1212, WOS

[1.1] PETRILAKOVA, A., BALINTOVA, M.: Utilization of sorbents for heavy metals removal from acid mine drainage. 14th International Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution

Reduction. Book Series: Chemical Engineering Transactions 2011, Vol. 25, 339-344, WOS

[1.1] SINGOVSKA, E. - BALINTOVA, M. Application Factor Analysis for the Evaluation Surface Water and Sediment Quality. In 5th International Conference on Safety and Environment in the Process and Power Industry (CISAP) (eds. Cozzani, V., DeRademaeker, E., Pierucci, S., Klemes, J.J.) Milano, Italy June 03-06.2012, Book Series: Chemical Engineering Transactions, Vol. 26 (2012), 183-188, WOS

[1.1] SINGOVSKA, E. - BALINTOVA, M. - JUNAKOVA, N. Evaluation of surface water pollution in the Smolnik creek. In Proc. 13th International Multidisciplinary Scientific Geoconference, SGEM 2013; Albena; Bulgaria; 16 - 22 June 2013, Vol. 1 (2013), p. 445-450., WOS

[1.2] SINGOVSKA, E. - BALINTOVA, M. Metal pollution assessment in sediments of the Smolnik creek, Slovakia. In Pollack Periodica vol. 9 (2014), iss. SUPPL. 1, p. 117-125., SCOPUS

[1.2] SINGOVSKÁ, E. - BÁLINTOVÁ, M. - HOLUB, M. Pollution index calculation for geochemical assessment of heavy metals in watercourses contaminating water reservoir Ruzin I. (Slovakia). In Proceedings 14th International Multidisciplinary Scientific GeoConference SGEM2014, vol. 2 (2014), no. 5, p. 499-506., SCOPUS

[3] FAZEKAŠOVÁ, D. - ANGELOVIČOVÁ, L. - BOGUSKÁ, Z. - MICHAELI, E. -

[3.1] SINGOVSKÁ, E. - BÁLINTOVÁ, M. Evaluation quality of sediments for aquatic pollution control in Slovakia. In Proceedings International Scientific Conference People, Buildings and Environment 2014 (PBE2014), Kroměříž, Czech Republic, 15-17 October, 2014, 623-629

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s

[4] VOJTEKOVÁ V. - POPERNÍKOVÁ Z. - KUPKA D. - KOVAŘÍK M. - ABUSENAINAA.M.M. - SABOLOVÁ D. - BALLOKOVÁ A. Prvková analýza vo vzorkách životného prostredia využitím CRC-ICP-MS. In Analytika v geológii a v životnom prostredí 2013, Zborník ved. príspevkov z konferencie, Spišská Nová Ves, 2013, p. 153-160

ADFB57 ŠTEFUŠOVÁ, Katarína - LOVÁS, Michal - ZUBRIK, Anton - MATIK, Marek - VÁCLAVÍKOVÁ, Miroslava. Removal of Cd²⁺ and Pb²⁺ from aqueous solutions using bio-char residues. In *Nova Biotechnologica et Chimica*, 2012, vol. 11, no. 2, p. 139-146. ISSN 1338-6905.

Ohlasy:

[1.2] FRIŠTÁK, V. - FRIESL-HANDL, W. - PIPÍŠKA, M. - MIC HÁLEKOVÁ, B.R. - SOJA, G. The response of artificial aging to sorption properties of biochar for potentially toxic heavy metals. In *Nova Biotechnologica et Chimica*, vol. 13 (2014), iss. 2, p. 137-147, SCOPUS

ADFB58 ŠTEFUŠOVÁ, Katarína - VÁCLAVÍKOVÁ, Miroslava - HREDZÁK, Slavomír. Removal of Arsenic Using Synthetic Magnetite: Desorption Study. In *Mineralia Slovaca*, 2010, vol. 42, no.3, p. 355-359. (2010 - GeoRef). ISSN 0369-2086.

Ohlasy:

[2.1] BUJŇÁKOVÁ, Z. - TURIANICOVÁ, E. - BALÁŽ, P. Arsenic Sorption on Mechanically Activated Magnetite and Olivine. In *Acta Montanistica Slovaca*, 2012, Vol. 17, No. 2, 137-141, WOS

[3] ROY, D. - GUAR, P. - VERMA, N. - PATHIREDDY, M. - SINGH, K.P. Bioremediation of Arsenic (III) from Water Using Baker Yeast *Sacchromyces cerevisiae*. In *International Journal of Environmental Bioremediation & Biodegradation*, Vol. 1 (2013), No. 1, p. 14-19

ADFB59 ŠTYRIAK, Igor - SZABOVÁ, Terezia - NOVOTNÁ, Andrea - KOŠČOVÁ, Marta - ŠTYRIAKOVÁ, Iveta. Vplyv ťažkých kovov na pôdnu mikroflóru. In *Acta Montanistica Slovaca*, 2002, vol. 7., no.4, p. 271-273. ISSN 1335-1788.

Ohlasy:

[1.1] PORHAJAŠOVÁ, J. - RAKOVSKÁ, A. - NOSKOVIČ, J. - BABOŠOVÁ, M. - ČERYOVÁ, T. Influence of agroecosystems on biodiversity of Carabidae in the nature reserve of alluvium Žitavy in the southwestern part of the Slovak republic. In *Research Journal of Agricultural Science* 46 (2014), 2, 283-289

ADFB60 ŠTYRIAKOVÁ, Iveta. Factors affecting bioleaching in the processing of non-metallics. In *Nova biotechnologica*, p. 11-16. ISSN 1337-8783.

Ohlasy:

[1.1] EISELE, T. C. - GABBY, K. L. REVIEW OF REDUCTIVE LEACHING OF IRON BY ANAEROBIC BACTERIA. In *MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW*. ISSN 0882-7508, MAR 4 2014, vol. 35, no. 2, p. 75-105., WOS

[3.1] SUKLA, L.B. - ESTHER, J. - PANDA, S. - PRADHAN, N. Biomineral Processing: A Valid Eco-Friendly Alternative for Metal Extraction. In *Research and reviews: Journal of Microbiology and Biotechnology* 3 (2014), 4, 1-10

ADFB61 TRÉFOVÁ, Ľudmila - LAZAROVÁ, Edita - KRÚPA, Vítazoslav. Fuzzy metódy pre predikciu rýchlosti razenia. In *Pozemné komunikácie a dráhy*, 2009, roč. 5, č. 1-2, s. 53-62. ISSN 1336-7501.

Ohlasy:

[1.1] LABAŠ, M. - IVANIČOVÁ, L. Comparison of testing methods for rock abrasiveness. In *International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM*, 2013, p. 325-332, WOS

ADFB62 TRPČEVSKÁ, Jarmila - GANEV, Nikolaj - ŽORAWSKI, Wojciech - JAKUBÉCZYOVÁ, Dagmar - BRIANČIN, Jaroslav. Effect of powder particle size on the structure of HVOF WC-Co sprayed coatings. In *Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials*, 2009, vol. 9, no. 1, p. 42-48. ISSN 1335-8978.

Ohlasy:

[1.1] Secosan, I. F. - Utu, D. - Serban, V. A. - Brandl, W.: Solid State Phenomena, Vol. 188, 2012, p. 416-421, WOS

ADFB63 TRPČEVSKÁ, Jarmila - ŽORAWSKI, Wojciech - JAKUBÉCZYOVÁ, Dagmar - BRIANČIN, Jaroslav - ZDRAVECKÁ, Eva. Investigation of

microstructures of plasma and HVOF sprayed carbide coatings. In *Powder Metallurgy Progress*, 2007, vol. 7, no. 1, p. 52-58. ISSN 1335-8978.

Ohlasy:

[2.2] BREZINOVÁ, J., GUZANOVÁ, A., MAMUZIČ, I.: *Acta Metallurgica Slovaca*, vol. 18, 2012, no. 1, p. 20-27, SCOPUS

ADFB64 UBALDINI, Stefano - LUPTÁKOVÁ, Alena - MAČINGOVÁ, Eva - MASSIDDA, Roberto - FORNARI, Pietro. Application of biohydrometallurgical processes for heavy metals removal from acid mine drainage. In *Nova biotechnologica*, 2010, vol. 10, no. 1, p. 15-21. ISSN 1337-8783.

Ohlasy:

[1.1] BAYAT, O. - ARSLAN, V. - BAYAT, B. Use of *Aspergillus niger* in the bioleaching of colemanite for the production of boric acid. In *ELECTRONIC JOURNAL OF BIOTECHNOLOGY*. 2011, vol. 14, iss. 3, article no. 7, WOS

[1.1] DURMAZ-SAM, S. - SAYAR, N.A. - TOPAL-SARIKAYA, A. - SAYAR, A.A. Biosorption of Ni (II) by *Schizosaccharomyces pombe*: kinetic and thermodynamic studies. In *BIOPROCESS AND BIOSYSTEMS ENGINEERING*. 2011, vol. 34, iss. 8, p. 997-1005., WOS

ADFB65 VÁCLAVÍKOVÁ, Miroslava - LOVÁS, Michal - JAKABSKÝ, Štefan - KARAS, Slávko - HREDZÁK, Slavomír. Odstraňovanie iónov Pb²⁺, Cd²⁺ a Co²⁺ pomocou magnetických sorbentov. In *Acta Montanistica Slovaca*, 2002, vol. 7., no.1, p. 23-27. ISSN 1335-1788.

Ohlasy:

[1.2] SOLDÁN, M. - ČAPLOVIČ, L. - GALBIČKOVÁ, B. - GERULOVÁ, K. Evaluation of the structure of industrial wastes. In International Conference on Environmental and Materials Engineering, EME 2012, Seoul, South Korea, 9-10 Dec. 2012, *Advanced Materials Research*, Vol. 664 (2013), p. 185-190, SCOPUS

[4] JENČÁROVÁ, Jana. Príprava a aplikácia sorbentov ťažkých kovov pre čistenie priemyselných a odpadových vôd. Košice, 28.6.2011. 115. Ústav geotechniky v Košiciach

ADFB66 VÁCLAVÍKOVÁ, Miroslava - GALLIOS, G.P. Removal of Cadmium, Zinc, Lead and Copper by Sorption on Leaching Residue from Nickel Production. In *Acta Montanistica Slovaca*, 2006, vol. 11, no. 1, p. 393-396. ISSN 1335-1788.

Ohlasy:

[1.1] GRISDANURAK, N. - AKEWARANUGULSIRI, S. - FUTALAN, C.M. - TSAI, W.C. - KAN, C.C. - HSU, C.W. - WAN, M.W. The study of copper adsorption from aqueous solution using crosslinked chitosan immobilized on bentonite. In *Journal of Applied Polymer Science*, Vol. 125, (2012), Supplement 2, Special Issue, E132-E142, WOS

ADFB67 VÁCLAVÍKOVÁ, Miroslava - GALLIOS, G.P. - MISAELIDES, P. - HREDZÁK, Slavomír. Úprava odpadových vôd obsahujúcich ťažké kovy použitím magnetických nanočastíc. In *Acta Montanistica Slovaca*, 2004, vol.9, no.4, p. 414-417. ISSN 1335-1788.

Ohlasy:

[3.1] JONAL, L. Pengaruh frekuensi gelombang ultrasonik terhadap struktur kristal dan sifat magnet nano partikel magnetit (Fe₃O₄). Skripsi thesis, Program

**ADMA Scientific papers in foreign impacted journals registered in Web of Sciences or
Scopus**

ADMA01 BALÁŽ, Peter - SEDLÁK, Ján - PASTOREK, Michal - CHOLUJOVÁ, Danka
- VIGNAROOBAN, K. - BHOSLE, S. - BOOLCHAND, P. - BUJŇÁKOVÁ, Zdenka -
DUTKOVÁ, Erika - KARTACHOVÁ, Olga - STALDER, Bernhardt.
Arsenic sulphide As₄S₄ nanoparticles: Physico-chemical properties and anticancer
effects. In *Journal of Nano Research*, 2012, vol. 18-19, p. 149-156. (0.630 -
IF2011). ISSN 1662-5250.

Ohlasy:

[1.1] BENETTI, Federico - BREGOLI, Lisa - OLIVATO, Iolanda -
SABBIONI, Enrico. Effects of metal(loid)-based nanomaterials on essential
element homeostasis: The central role of nanometallomics for nanotoxicology. In
METALLOMICS. ISSN 1756-5901, 2014, vol. 6, no. 4, pp. 729., WOS

[1.1] DASH, Sandeep Kumar - GHOSH, Totan - ROY, Soumyabrata -
CHATTOPADHYAY, Sourav - DAS, Debasis. Zinc sulfide nanoparticles
selectively induce cytotoxic and genotoxic effects on leukemic cells: involvement
of reactive oxygen species and tumor necrosis factor alpha. In JOURNAL OF
APPLIED TOXICOLOGY. ISSN 0260-437X, 2014, vol. 34, no. 11, pp. 1130.,
WOS

[1.1] SARAVANAN, L. - JAYAVEL, R. - PANDURANGAN, A. -
JIH-HSIN, Liu - HSIN-YUAN, Miao. Influence of Sm doping on the
microstructural properties of CdS nanocrystals. In POWDER TECHNOLOGY.
ISSN 0032-5910, NOV 2014, vol. 266, p. 407-411., WOS

ADMA02 BALÁŽ, Peter - BASTL, Zdeněk - HAVLÍK, Tomáš - LIPKA, Ján - TOTH, I.
Characterization of mechanosynthetized sulphides. In *SYNTHESIS AND
PROPERTIES OF MECHANICALLY ALLOYED AND NANOCRYSTALLINE
MATERIALS : International Symposium on Metastable, Mechanically Alloyed and
Nanocrystalline Materials ROME, ITALY, MAY 20-24, 1996*. - TRANS TECH
PUBLICATIONS LTD, LAUBLSTRUTSTR 24, CH-8717 STÄFA-ZÜRICH,
SWITZERLAND, 1997, p. 217-222. ISSN 0255-5476.

Ohlasy:

[1.1] CHANG, Yo-Sheng - SAVITHA, S. - SADHASIVAM, S. - HSU,
Chung-King - LIN, Feng-Huei. Fabrication, characterization, and application of
greigite nanoparticles for cancer hyperthermia. In JOURNAL OF COLLOID
AND INTERFACE SCIENCE. ISSN 0021-9797, 2011, vol. 363, no. 1, pp. 314.,
WOS

[1.1] PROZOROV, Tanya - BAZYLINSKI, Dennis A. -
MALLAPRAGADA, Surya K. - PROZOROV, Ruslan. Novel magnetic
nanomaterials inspired by magnetotactic bacteria: Topical review. In
MATERIALS SCIENCE & ENGINEERING R-REPORTS. ISSN 0927-796X,
2013, vol. 74, no. 5, pp. 133., WOS

[1.1] THOMMES, M. - MORELL, J. - CYCHOSZ, K.A. -
FROEBA, M. Combining Nitrogen, Argon, and Water Adsorption for Advanced
Characterization of Ordered Mesoporous Carbons (CMKs) and Periodic
Mesoporous Organosilicas (PMOs). In *Langmuir*, vol. 29 (2013), iss. 48, p.
14893-14902, WOS

ADMA03 BALÁŽ, Peter. Influence of thermal activation of chalcopyrite on activity and selectivity of catalytic decomposition of isopropyl alcohol. In *Reaction Kinetics and Catalysis Letters*, 1988, vol. 36, no.2, p.287-293. ISSN 0133-1736.

Ohlasy:

[1.1] HO, C.R. - TSAI, M.L. - JHUO, H.J. - LIEN, D.H. - LIN, C.A. - TSAI, S.H. - WEI, T.C. - HUANG, K.P. - CHEN, S.A. - HE, J.H. An energy-harvesting scheme employing CuGaSe₂ quantum dot-modified ZnO buffer layers for drastic conversion efficiency enhancement in inorganic-organic hybrid solar cells. In *Nanoscale*, Vol. 5 (2013), p. 6350-6355., WOS

[1.1] HO, Cherng-Rong - TSAI, Meng-Lin - JHUO, Hung-Jun - LIEN, Der-Hsien - LIN, Chin-An - TSAI, Shin-Hung - WEI, Tzu-Chiao - HUANG, Kun-Ping - CHEN, Show-An - HE, Jr-Hau. An energy-harvesting scheme employing CuGaSe₂ quantum dot-modified ZnO buffer layers for drastic conversion efficiency enhancement in inorganic-organic hybrid solar cells. In *NANOSCALE*. ISSN 2040-3364, 2013, vol. 5, no. 14, pp. 6350., WOS

Zobrazovací formát pre typ dokumentu " nedefinovaný! sysno:233092

ADMA04 BALÁŽ, Peter - GODOČÍKOVÁ, Erika - TAKACS, Laszlo - GOCK, Eberhard. *Mechanochemical Preparation of Metal/Sulphide Nanocomposite Particles*.

Ohlasy:

[1.1] CALKA, A. - CHOWDHURY, A. A. - KONSTANTINOV, K. Rapid synthesis of functional oxides by electric discharge assisted mechanical milling method. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2012, vol. 536, no., pp. S3., WOS

ADMA05 BALÁŽ, Peter - CALKA, Andrzej - ZORKOVSKÁ, Anna - BALÁŽ, Matej. Processing of Eggshell Biomaterial by Electrical Discharge Assisted Mechanical Milling (EDAMM) and High Energy Milling (HEM) Techniques. In *Materials and Manufacturing Processes*, 2013, vol. 28, p. 343-347. ISSN 1042-6914.

Ohlasy:

[1.1] BISCAIA, S. I. - VIANA, T. F. - ALMEIDA, H. A. - BARTOLO, P. Reinforced PCL scaffolds with Eggshell powder. In *BIODENTAL ENGINEERING III*, 2014, vol., no., pp. 151., WOS

[1.1] BISCAIA, S. - VIANA, T. - ALMEIDA, H. A. - BARTOLO, P. J. Biofabrication of three-dimensional scaffolds of polycaprolactone with eggshell powder for bone regeneration. In *HIGH VALUE MANUFACTURING: ADVANCED RESEARCH IN VIRTUAL AND RAPID PROTOTYPING*, 2014, vol., no., pp. 171., WOS

[1.1] ESPINOZA-GONZALEZ, Rodrigo - VEGA, Evelyn - TAMAYO, Rocio - CRIADO, Jose M. - JESUS DIANEZ, M. Mechanochemical Processing of CaCu₃Ti₄O₁₂ with Giant Dielectric Properties. In *MATERIALS AND MANUFACTURING PROCESSES*. ISSN 1042-6914, 2014, vol. 29, no. 10, pp. 1179., WOS

[1.1] GUZMAN, D. - MUNOZ, P. - AGUILAR, C. - ITURRIZA, I. - LOZADA, L. - ROJAS, P. A. - THIRUMURUGAN, M. - MARTINEZ, C. Synthesis of Ag-ZnO powders by means of a mechanochemical process. In *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*. ISSN 0947-8396, 2014, vol. 117, no. 2, pp. 871., WOS

[1.1] THOLKAPPIYAN, R. - VISHISTA, K. Influence of lanthanum on the optomagnetic properties of zinc ferrite prepared by combustion method. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2014, vol. 448, no., pp. 177., WOS

[1.1] VIANA, Tania - BISCAIA, Sara - ALMEIDA, Henrique A. - BARTOLO, Paulo J. PCL/EGGSHELL SCAFFOLDS FOR BONE REGENERATION. In PROCEEDINGS OF THE ASME 12TH BIENNIAL CONFERENCE ON ENGINEERING SYSTEMS DESIGN AND ANALYSIS 2014, VOL 1, 2014, vol., no., pp., WOS

[1.2] BISCAIA, S. I. - VIANA, T. F. - ALMEIDA, H. A. - BARTOLO, P. Reinforced PCL scaffolds with eggshell powder. In Biodental Engineering III Proceedings of the 3rd International Conference on Biodental Engineering, BIODENTAL 2014, 2014-01-01, pp. 151-154., SCOPUS

ADMA06 BALÁŽ, Peter - ACHIMOVICHOVÁ, Marcela. Selective leaching of antimony and arsenic from mechanically activated tetrahedrite, jamesonite and enargite. In *International Journal of Mineral Processing*, 2006, vol. 81, p. 44-50. ISSN 0301-7516.

Ohlasy:

[1.1] ALP, Ibrahim - CELEP, Oktay - PAKTUNC, Dugan - THIBAUT, Yves. Influence of potassium hydroxide pretreatment on the extraction of gold and silver from a refractory ore. In HYDROMETALLURGY. ISSN 0304-386X, 2014, vol. 146, no., pp. 64., WOS

[1.1] AWE, Samuel Ayowole - KHOSHKHOO, Mohammad - KRUGER, Paul - SANDSTROM, Ake. Modelling and process optimisation of antimony removal from a complex copper concentrate. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2012, vol. 22, no. 3, pp. 675., WOS

[1.1] AWE, Samuel A. - SUNDKVIST, Jan-Eric - BOLIN, Nils-Johan - SANDSTROM, Ake. Process flowsheet development for recovering antimony from Sb-bearing copper concentrates. In MINERALS ENGINEERING. ISSN 0892-6875, 2013, vol. 49, no., pp. 45., WOS

[1.1] AWE, Samuel A. - SUNDKVIST, Jan-Eric - SANDSTROM, Ake. Formation of sulphur oxyanions and their influence on antimony electrowinning from sulphide electrolytes. In MINERALS ENGINEERING. ISSN 0892-6875, 2013, vol. 53, no., pp. 39., WOS

[1.1] CELEP, Oktay - ALP, Ibrahim - PAKTUNC, Dogan - THIBAUT, Yves. Implementation of sodium hydroxide pretreatment for refractory antimonial gold and silver ores. In HYDROMETALLURGY. ISSN 0304-386X, 2011, vol. 108, no. 1-2, pp. 109., WOS

[1.1] CELEP, Oktay - ALP, Ibrahim - DEVECI, Haci. Improved gold and silver extraction from a refractory antimony ore by pretreatment with alkaline sulphide leach. In HYDROMETALLURGY. ISSN 0304-386X, 2011, vol. 105, no. 3-4, pp. 234., WOS

[1.1] GOK, Ozge. Catalytic production of antimonate through alkaline leaching of stibnite concentrate. In HYDROMETALLURGY. ISSN 0304-386X, 2014, vol. 149, no., pp. 23., WOS

[1.1] GOW, R. N. - YOUNG, C. - HUANG, H. - HOPE, G. - TAKASAKI, Y. Electrochemistry of enargite: Reactivity in alkaline solutions. In TMS Annual Meeting, 2012-05-15, pp. 217-225., WOS

- [1.1] GUZMAN, D. - FERNANDEZ, J. - ORDONEZ, S. - AGUILAR, C. - ROJAS, P. A. - SERAFINI, D. Effect of mechanical activation on the barite carbothermic reduction. In INTERNATIONAL JOURNAL OF MINERAL PROCESSING. ISSN 0301-7516, 2012, vol. 102, no., pp. 124., WOS
- [1.1] LIU, Weiping - XU, Hui - YANG, Xiyun - SHI, Xichang. Extraction of molybdenum from low-grade Ni-Mo ore in sodium hypochlorite solution under mechanical activation. In MINERALS ENGINEERING. ISSN 0892-6875, 2011, vol. 24, no. 14, pp. 1580., WOS
- [1.1] LI, Xuan-hai - ZHANG, Yan-juan - PAN, Liu-ping - WEI, Yan-song. Effect of mechanical activation on dissolution kinetics of neutral leach residue of zinc calcine in sulphuric acid. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2013, vol. 23, no. 5, pp. 1512., WOS
- [1.1] MENG YANSHUANG - HUA YIXIN - ZHU FULIANG. Thermodynamical calculations of vapor phase for Sb-S-O-H quaternary system. In RUSSIAN JOURNAL OF NON-FERROUS METALS. ISSN 1067-8212, 2014, vol. 55, no. 4, pp. 336., WOS
- [1.1] PARADA, F. - JEFFREY, M. I. - ASSELIN, E. Leaching kinetics of enargite in alkaline sodium sulphide solutions. In HYDROMETALLURGY. ISSN 0304-386X, 2014, vol. 146, no., pp. 48., WOS
- [1.1] RUIZ, M. C. - GRANDON, L. - PADILLA, R. Selective arsenic removal from enargite by alkaline digestion and water leaching. In HYDROMETALLURGY. ISSN 0304-386X, 2014, vol. 150, no., pp. 20., WOS
- [1.1] SAFARZADEH, M. Sadegh - MOATS, Michael S. - MILLER, Jan D. RECENT TRENDS IN THE PROCESSING OF ENARGITE CONCENTRATES. In MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW. ISSN 0882-7508, 2014, vol. 35, no. 5, pp. 283., WOS
- [1.1] YUAN, Wenyi - LI, Jinhui - ZHANG, Qiwu - SAITO, Fumio. Innovated Application of Mechanical Activation To Separate Lead from Scrap Cathode Ray Tube Funnel Glass. In ENVIRONMENTAL SCIENCE & TECHNOLOGY. ISSN 0013-936X, 2012, vol. 46, no. 7, pp. 4109., WOS
- [1.1] ZHANG, Hua - YAO, Qian - SHAO, Li-Ming - HE, Pin-Jing. Recovery of Arsenic Trioxide from a Sludge-Like Waste by Alkaline Leaching and Acid Precipitation. In WASTE AND BIOMASS VALORIZATION. ISSN 1877-2641, 2014, vol. 5, no. 2, pp. 255., WOS
- [1.2] AWE, Samuel Ayowole - LENNARTSSON, Andreas - MOSTAGHEL, Sina - SAMUELSSON, Caisa - SANDSTRÖM, Åke. Wise process routes for varying feedstock in base metal extraction. In Proceedings European Metallurgical Conference, EMC 2011, 2011-12-01, 4, pp. 1315-1322., SCOPUS
- [1.2] AWE, Samuel Ayowole - SANDSTRÖM, Åke. Upgrading of an impure copper concentrate for pyrometallurgical processing. In Proceedings European Metallurgical Conference, EMC 2011, 2011-12-01, 1, pp. 15-32., SCOPUS
- [1.2] DODANGEH, A. - HALALI, M. - HAKIM, M. - BAKHSHANDEH, M. R. Leaching kinetics of stibnite in sodium hydroxide solution. In International Journal of Engineering, Transactions B: Applications. ISSN 1728-144X, 2014-01-01, 27, 2, pp. 325-332., SCOPUS
- [1.2] GAO, Liang - YANG, Jian Guang - CHEN, Sheng Long - LIU, Xiao Wen - LI, Jing - TANG, Mong Tang. A new process for cleaning

hydrometallurgy of antimony sulfide. In Zhongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Central South University (Science and Technology). ISSN 16727207, 2012-01-01, 43, 1, pp. 28-37., SCOPUS

[1.2] GOW, R. N. - YOUNG, C. - HUANG, H. - HOPE, G. - TAKASAKI, Y. Electrochemistry of Enargite: Reactivity in Alkaline Solutions. In Electrometallurgy 2012, 2012-05-15, pp. 217-225., SCOPUS

[1.2] MENG, Yanshuang - HUA, Yixin - ZHU, Fuliang. Effect of ZnS Content on Pb-Sb Separation of PbS-Sb₂S₃-ZnS Ternary System Under Water Vapor Atmosphere. In Transactions of the Indian Institute of Metals. ISSN 09722815, 2014-01-01, 68, 1, pp. 37-41., SCOPUS

[1.2] SHIBAYAMA, A. - TONGAMP, W. - HAGA, K. Selective arsenic and antimony removal by alkaline leaching and precipitation from enargite and tennantite/tetrahedrite ORE. In 26th International Mineral Processing Congress, IMPC 2012: Innovative Processing for Sustainable Growth Conference Proceedings, 2012-12-01, pp. 4972-4985., SCOPUS

[1.2] TIAN, Qinghua - CHENG, Lizhen - YUAN, Tinggang - XIN, Yuntao - GUO, Xueyi. Processing of silver separated residue by NaOH-Na₂S molten salt method. In Zhongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Central South University (Science and Technology). ISSN 16727207, 2014-01-01, 45, 8, pp. 2553-2558., SCOPUS

[1.2] YANG, Li Jun - XU, Hong - YU, Yu Xing - GAO, Shen - JIA, Hui. Research progress in tetrahedrite-tennantite minerals. In Bulletin of Mineralogy Petrology and Geochemistry. ISSN 10072802, 2012-01-01, 31, 1, pp. 44-51., SCOPUS

[1.2] YANSHUANG, Meng - YIXIN, Hua - FULIANG, Zhu. Thermodynamical calculations of vapor phase for Sb-S-O-H quaternary system. In Russian Journal of Non-Ferrous Metals. ISSN 10678212, 2014-01-01, 55, 4, pp. 336-343., SCOPUS

[1.2] YAO, Jin Huan - LI, Xuan Hai - PAN, Liu Ping - LI, Zhi Qiang. Research progress in mineral leaching enhanced by mechanical activation. In Xiandai Huagong/Modern Chemical Industry. ISSN 02534320, 2011-07-01, 31, 7, pp. 12-15., SCOPUS

[3.1] AWE, S.A. - SAMUELSSON, C. - SANDSTROM, A. Elimination and Recovery of Antimony from Copper Resources. In Proceedings of International Conference on "By-Product Metals in the Non-Ferrous Metal Industry", 15-17 maj 2013, Wrocław, Poland, 12 p

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In Rudy i Metale Nieżelazne Recykling, R. 59 (2014), nr. 3, 122-126.

ADMA07 DUTKOVÁ, Erika - BALÁŽ, Peter - POURGHASHRAMANI, Parviz - BALEK, Vladimír - NGUYEN, Anh Van - ŠATKA, A. - KOVÁČ, Jaroslav - FICERIOVÁ, Jana. Mechanochemically synthesised Zn_xCd_{1-x}S nanoparticles for solar energy applications. In *Journal of Nano Research*, 2012, vol. 18-19, p. 247-256. (0.630 - IF2011). ISSN 1662-5250.

Ohlasy:

[1.1] SARAVANAN, L. - JAYAVEL, R. - PANDURANGAN, A. - JIH-HSIN, Liu - HSIN-YUAN, Miao. Influence of Sm doping on the microstructural properties of CdS nanocrystals. In *POWDER TECHNOLOGY*. ISSN 0032-5910, 2014, vol. 266, no., pp. 407., WOS

[1.1] SASIKALA, Rajamma - GAIKWAD, Archana P. - SUDARSAN, Vasanthakumaran - GUPTA, Nidhi - BHARADWAJ, Shyamala R. Cubic phase indium doped cadmium sulfide dispersed on zinc oxide: Enhanced photocatalytic activity for hydrogen generation from water. In *APPLIED CATALYSIS A-GENERAL*. ISSN 0926-860X, 2013, vol. 464, no., pp. 149., WOS

ADMA08 FOFANA, M. - KMEŤ, Stanislav - JAKABSKÝ, Štefan - HREDZÁK, Slavomír - KUNHALMI, G. Treatment of Red Mud from Alumina Production by High-Intensity Magnetic Separation. In *Journal Magnetic and Electrical Separation : Magn Electr Separ*, 1995, vol 6, no.4, p. 243-251. ISSN 1478 6478.

Ohlasy:

[3] JONES, A. Production and Utilisation of Bayer Process Red Sand™ for Construction and its Beneficiation by Magnetic Separation. This thesis is presented for the Degree of Master of Philosophy, School of Civil and Mechanical Engineering, Department of Civil Engineering, Curtin University, Perth, Western Australia, June 2012, 132 p.

[3] RAI, S. - WASEWAR, K.L. - MUKHOPADHYAY, J. - YOO, C.K. - HASAN USLU, H. Neutralization and utilization of red mud for its better waste management. In *Archives of Environmental Science*, Vol. 6, (2012), 13-33

[3.1] GHIȚĂ, M. Studiul complex, chimic și mineralogic, al noroiului roșu haldat, în vederea identificării unor posibile valorificări. Teză De Doctorat. Universitatea Din București Facultatea De Geologie Și Geofizică Școala Doctorală, București, 2014, 60 p

ADMA09 HANČULÁK, Jozef - BOBRO, Milan - SLANČO, Pavel - BREHUV, Ján. Heavy Metals in Solid Immissions in the Area of Jelšava. In *Chemické Listy*, 2005, roč. 99, č. 14, s.141-142. (0.348 - IF2004). (2005 - Current Contents). ISSN 0009-2770.

Ohlasy:

[3] EŠTOKOVÁ, A. - ŠTEVULOVÁ, N. Investigation of the suspended and settled particulate matter in the indoor air. In *Atmospheric Aerosols: Regional Characteristics - Chemistry and Physics*. - Novi Sad, InTech. 2012, Dr. Hayder Abdul-Razzak (Ed.) ISBN 978-953-51-0728-6, 456- 480.

ADMA10 HASHEMZADEHFINI, Mohsen - FICERIOVÁ, Jana - ABKHOSHK, Emad - SHAHRAKI, Behrouz Karimi. Effect of mechanical activation on thiosulfate leaching of gold from complex sulfide concentrate. In *Transactions of Nonferrous Metals Society of China*, 2012, vol. 248, no. 8, p. 1607-1612. (0.751 - IF2011). ISSN 1003-6326.

Ohlasy:

[1.1] BALAZ, Peter - BALAZ, Matej - BUJNAKOVA, Zdenka. Mechanochemistry in Technology: From Minerals to Nanomaterials and Drugs. In *CHEMICAL ENGINEERING & TECHNOLOGY*. ISSN 0930-7516, 2014, vol. 37, no. 5, pp. 747., WOS

[1.1] HASAB, Mehdi Ghobeiti - RAYGAN, Shahram - RASHCHI, Fereshteh. Chloride-hypochlorite leaching of gold from a mechanically activated refractory sulfide concentrate. In *HYDROMETALLURGY*. ISSN 0304-386X, 2013, vol. 138, no., pp. 59., WOS

[1.1] SWAROOPA, Siksha - GHOSH, Malay Kumar - SANJAY, Kali -

MISHRA, Barada Kanta. Extraction of Cu and Cr from a spent Cu-Cr catalyst: Recovery enhancement through mechanical activation. In HYDROMETALLURGY. ISSN 0304-386X, 2013, vol. 136, no., pp. 8., WOS [1.2] LI, Feng - DING, De Xin - HU, Nan - PENG, Zhi Cheng - CHEN, Wei. Roasting oxidation-thiosulfate leaching of gold from refractory gold-bearing sulfur concentrates. In Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals. ISSN 10040609, 2014-01-01, 24, 3, pp. 831-837., SCOPUS [1.2] SWAROOPA, S. - SAHU, S. - SHEIK, A. R. - SANJAY, K. - GHOSH, M. K. - SUBBAIAH, T. Reclamation of metal values from copper-chromium spent catalysts. In 26th International Mineral Processing Congress, IMPC 2012: Innovative Processing for Sustainable Growth Conference Proceedings, 2012-12-01, pp. 5330-5340., SCOPUS [3.1] KIM, B.J. - CHO, K.H. - OH, S.J. - CHOI, N.C. - PARK, C.Y. Mineralogical Transformation of Gold-silver Bearing Sulfide Concentrate by Mechanochemical Activation, and their Gold-silver Leaching with Non-cyanide Solution. In Journal of the Mineralogical Society of Korea, Vol. 27 (2014), Issue 3, 115-124.

ADMA11 LOVÁS, Michal - ZNAMENÁČKOVÁ, Ingrid - MOCKOVČIAKOVÁ, Annamária - ROWSON, N.A. - JAKABSKÝ, Štefan. Intensification of magnetic separation and leaching of Cu-ores by microwave radiation. In *Separation and Purification Technology*, 2003, vol. 31, no. 3, p. 291-299. ISSN 1383-5866.

Ohlasy:

[1.1] BAYCA, Salih U. Microwave radiation leaching of colemanite in sulfuric acid solutions. In SEPARATION AND PURIFICATION TECHNOLOGY. ISSN 1383-5866, 2013, vol. 105, no., pp. 24., WOS

[3.1] BAHAR, N. - ALTUNDOĞAN, H.S. - TÜMEN, F. Ergani Kalkopirit Konsantresinden Kavurma-Su Liçi Yöntemiyle Bakir Ekstraksiyonunun İncelenmesi Ve Kavurma Kinetiğinin Ortaya Konulması. In 11. Ulusal Kimya Mühendisliği Kongresi Sonuç Bildirgesi, 2-5 Eylül 2014, Eskişehir, Türkiye, 6 p

[3.1] SOKIĆ, M. Mehanizam luženja polimetalčnih Pb-Zn-Cu koncentrata sumpornom kiselinom u prisustvu odabranih oksidanasa. In Doktorska disertacija (2014), Katedra za metalurško inženjerstvo, Tehnološko-metalurški fakultet, Univerzitet u Beogradu

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s.

ADMA12 PLEŠINGEROVÁ, B. - ŠTEVULOVÁ, Nadežda - LUXOVÁ, Magda - BOLDIŽÁROVÁ, Eva. Mechanochemical synthesis of magnesium aluminate spinel in oxide-hydroxide systéme. In *Journal of Materials Synthesis and Processing*, 2000, vol. 8, no.5-6, p. 287-293. (0.490 - IF1999). (2000 - WOS, SCOPUS). ISSN 1064-7562.

Ohlasy:

[1.1] SU, X.H. - LI, J.G. - ZHOU, Z.J. Solid-state Reaction Preparation and Sintering Behavior of MgAl₂O₄ Nanopowders. In Journal of Inorganic Materials, Vol. 27 (2012) Issue 9, 991-996, WOS

ADMA13 ŠEPELÁK, Vladimír - TKÁČOVÁ, Klára - RYKOV, A.I. Rietveld analysis of mechanically activated powdered zinc ferrite. In *Crystal Research and Technology*, 1993, vol. 28, no. 1, p. 53-56.

Ohlasy:

[1.1] LOHAR, K.S. - PATANGE, S.M. - MANE, M.L. - SHIRSATH, S.E. Cation distribution investigation and characterizations of $\text{Ni}_{1-x}\text{Cd}_x\text{Fe}_2\text{O}_4$ nanoparticles synthesized by citrate gel process. In *Journal of Molecular Structure*, Vol. 1032 (2013), p. 105-110., WOS

[1.2] PATIL, N.D. - JADHAV, P.S. - JADHAV, R.N. - MATHAD, S.N. - PURI, V. Combustion synthesis and electromagnetic properties of nanocrystalline $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$. In *International Journal of Self-Propagating High-Temperature Synthesis*, Vol. 22 (2013), Issue 3, p. 141-146, SCOPUS

[1.2] PATIL, N.D. - SHELAR, M.B. - PURI, V. $\text{Ni}_{0.4}\text{Co}_x\text{Cd}_{0.6-x}\text{Fe}_2\text{O}_4$ ferrites as prepared by autocombustion synthesis. In *International Journal of Self-Propagating High-Temperature Synthesis* 21 (2012), 212, SCOPUS

ADMA14 TAKACS, Laszlo - SOIKA, V. - BALÁŽ, Peter. The effect of mechanical activation on highly exothermic powder mixtures. In *Solid State Ionics : diffusion and reactions*, 2001, vol. 141, p. 641-647. ISSN 0167-2738.

Ohlasy:

[1.1] ABBASI, B. Jamal - ZAKERI, M. - TAYEBIFARD, S. A. Mechanochemical synthesis of $\text{Al}_2\text{O}_3\text{-ZrB}_2\text{-ZrO}_2$ nanocomposite powder. In *MATERIALS RESEARCH BULLETIN*. ISSN 0025-5408, 2014, vol. 49, no., pp. 672., WOS

[1.1] AHMADABADI, V. Ghanooni - AZGHANDI, S. H. Mohamadi - KHAKI, J. Vandati - HADDAD-SABZEVAR, M. Synthesis of nano-structure molybdenum disilicide from primary mixture of $\text{MoO}_3 + \text{Si} + \text{Al}$ through mechanochemical reactions. In *INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS*. ISSN 0263-4368, 2013, vol. 41, no., pp. 121., WOS

[1.1] FARHADINIA, Faranak - SEDGHI, Arman. Fabrication of $\text{Al}_2\text{O}_3/(\text{ZrB}_2 + \text{TiB}_2)$ Composite Using MACS and Microwaves. In *METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE*. ISSN 1073-5623, 2014, vol. 45A, no. 7, pp. 3125., WOS

[1.1] CHAHARSOUGH, A. Toghian - BORHANI, Gh - TAHMASEBI, R. Structural characterization of MoSi_2 synthesized by high-energy mechanical milling followed by annealing heat treatment. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2011, vol. 509, no. 5, pp. 2617., WOS

[1.1] KUBASKI, E. T. - CINTHO, O. M. - CAPOCCHI, J. D. T. Effect of milling variables on the synthesis of NiAl intermetallic compound by mechanical alloying. In *POWDER TECHNOLOGY*. ISSN 0032-5910, 2011, vol. 214, no. 1, pp. 77., WOS

[1.1] NIKZAD, Leila - ORRU, Roberto - LICHERI, Roberta - CAO, Giacomo. Influence of Mechanical and Electric Current Activation on the Mechanism of Formation and the Properties of Bulk $\text{B}_4\text{C-TiB}_2$ Composites Obtained by Reactive Sintering. In *ICHEAP-11: 11TH INTERNATIONAL CONFERENCE ON CHEMICAL AND PROCESS ENGINEERING*, PTS 1-4. ISSN 1974-9791, 2013, vol. 32, no., pp. 1669., WOS

[1.1] NIKZAD, Leila - ORRU, Roberto - LICHERI, Roberta - CAO,

Giacomo. Fabrication and Formation Mechanism of B₄C-TiB₂ Composite by Reactive Spark Plasma Sintering Using Unmilled and Mechanically Activated Reactants. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2012, vol. 95, no. 11, pp. 3463., WOS

[1.1] YAZDANI-RAD, R. - ZAKERI, M. - MIRVAKILI, S. A. Effect of milling and annealing parameters on formation of (Mo-0.85-Cr-0.15)Si-2 nanocomposite powder. In POWDER METALLURGY. ISSN 0032-5899, 2011, vol. 54, no. 3, pp. 440., WOS

[1.1] ZAKERI, M. - RAHIMIPOUR, M. R. Effect of cup and ball types on alumina-tungsten carbide nanocomposite powder synthesized by mechanical alloying. In ADVANCED POWDER TECHNOLOGY. ISSN 0921-8831, 2012, vol. 23, no. 1, pp. 31., WOS

[1.2] GHANOONI AHMADABADI, V. - MOHAMADI AZGHANDI, S. H. - VAHDATI KHAKI, J. - HADDAD-SABZEVAR, M. Synthesis of nano-structure molybdenum disilicide from primary mixture of MoO₃ + Si + Al through mechanochemical reactions. In International Journal of Refractory Metals and Hard Materials. ISSN 02634368, 2013-11-01, 41, pp. 121-127., SCOPUS

[1.2] JAMAL ABBASI, B. - ZAKERI, M. - TAYEBIFARD, S. A. Mechanochemical synthesis of Al₂O₃-ZrB₂-ZrO₂ nanocomposite powder. In Materials Research Bulletin. ISSN 00255408, 2014-01-01, 49, 1, pp. 672-676., SCOPUS

[1.2] KULCZYCKI, A. - KAJDAS, C.K. - LIANG, H. On the mechanism of catalysis induced by mechano-activation of solid body. In Materials Science-Poland, vol. 32 (2014), iss. 4, p. 583-591., SCOPUS

[1.2] NIKZAD, Leila - ORRÚ, Roberto - LICHERI, Roberta - CAO, Giacomo. Influence of mechanical and electric current activation on the mechanism of formation and the properties of bulk B₄C-TiB₂ composites obtained by reactive sintering. In Chemical Engineering Transactions. ISSN 19749791, 2013-01-01, 32, pp. 1669-1674., SCOPUS

[1.2] WIECZOREK-CIUROWA, K. Mechanochemical synthesis of metallic-ceramic composite powders. In Ceramic Nanocomposites, 2013-07-01, pp. 399-430., SCOPUS

ADMA15 TKÁČOVÁ, Klára - HEEGEN, H. - ŠTEVULOVÁ, Nadežda. Selected Problems of the Dispersity Analysis of Milled Ultrafine Powders. In *Freiberger Forschungshefte*, 1998, vol. A841, p. 14-25. ISSN 0071-9390.

Ohlasy:

[1.1] LEE, B. - LEE, K. - DEL CARPIO SALINAS, J. - GAVIDIA RODRIGUEZ, J.O. - BAEK, H. - MIN, J. - KANG, W. Ultrafine Powderization Using Low Temperature Turbo Mill to Improve Water Solubility of Red Ginseng Powder. In IEEE International Conference on Nanotechnology (IEEE-NANO), Birmingham, England, AUG 20-23, 2012, WOS

[1.1] LI, M. - ZHANG, J.H. - ZHU, K.X. - PENG, W. - ZHANG, S.K. - WANG, B. - ZHU, Y.J. - ZHOU, H.M. Effect of superfine green tea powder on the thermodynamic, rheological and fresh noodle making properties of wheat flour. In LWT - Food Science and Technology, Vol. 46 (2012), Issue 1, 23-28, WOS

[1.1] WU, G.C. - ZHANG, M. - WANG, Y.Q. - MOTHIBE, K.J. - CHEN, W.X. Production of silver carp bone powder using superfine grinding technology:

Suitable production parameters and its properties. In Journal of Food Engineering, Vol. 109 (2012), Issue 4, 730-735, WOS

[1.1] ZHANG, Z.P. - SONG, H.G. - PENG, Z. - LUO, Q.N. - MING, J. - ZHAO, G.H. Characterization of stipe and cap powders of mushroom (*Lentinus edodes*) prepared by different grinding methods. In Journal of Food Engineering, Vol. 109 (2012), Issue 3, 406-413, WOS

[1.1] ZHU, Y. - DONG, Y. - QIAN, X.W. - CUI, F.J. - GUO, Q. - ZHOU, X.H. - WANG, Y. - ZHANG, Y. - XIONG, Z.Y. Effect of Superfine Grinding on Antidiabetic Activity of Bitter Melon Powder. In International Journal of Molecular Sciences, Vol. 13 (2012) Issue 11, 14203-14218, WOS

ADMA16 TURČÁNIOVÁ, Ľudmila - PAHOLIČ, G. - MATEOVÁ, K. Stimulating the thermal decomposition of magnesite. In *Thermochimica Acta*, 1996, vol. 277, no. 1-2, p. 75-84. ISSN 0040-6031.

Ohlasy:

[1.1] FU, Da-xue - FENG, Nai-xiang - WANG, Yao-wu. Study on the Kinetics and Mechanism of Grain Growth during the Thermal Decomposition of Magnesite. In BULLETIN OF THE KOREAN CHEMICAL SOCIETY. ISSN 0253-2964, 2012, vol. 33, no. 8, pp. 2483., WOS

[1.2] FU, Daxue - WANG, Yaowu - PENG, Jianping - DI, Yuezhong - FENG, Naixiang. Improvements of Mg-extraction from magnesite and dolomite by aluminothermic reduction in vacuum. In Zhenkong Kexue yu Jishu Xuebao/Journal of Vacuum Science and Technology. ISSN 16727126, 2014-01-01, 34, 1, pp. 60-67., SCOPUS

[1.2] HE, Zhongyang - MA, Letian - LIU, Baikuan. Crystallographic characterization and thermal decomposition behavior of high-purity microcrystalline magnesite. In China's Refractories. ISSN 10044493, 2012-12-01, 21, 3, pp. 25-28., SCOPUS

[3.1] TAN, G.L. - TANG, D. - MU, T. - ZHAO, W. - WANG, Q. On validity of variable activation energy concept of nuclei growth model with non-isothermal solid reaction. In Journal of University of Science and Technology Liaoning, Vol. 37 (2014), No. 2, 1-6

[3.1] ZHANG, Q. - HE, H.P. - TAO, Q. Decomposition Kinetics of magnesite deduced from thermogravimetric analysis. In Acta Petrologica et Mineralogica, Vol. 33 (2014), No. 2, 391-396

ADMB Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus

ADMB01 BALÁŽ, Peter - ACHIMOVIČOVÁ, Marcela - SANCHEZ, M. - KAMMEL, R. Attrition Grinding and leaching of enargite concentrate. In *Metall : Zeitschrift für Technik, Industrie und Handel*, 1999, vol. 53, no. 1-2, p. 53-56.

Ohlasy:

[1.1] HOL, Alex - VAN DER WEIJDEN, Renata D. - VAN WEERT, Gus - KONDOS, Peter - BUISMAN, Cees J. N. Bio-reduction of elemental sulfur to increase the gold recovery from enargite. In HYDROMETALLURGY. ISSN 0304-386X, 2012, vol. 115, no., pp. 93., WOS

[1.1] SAFARZADEH, M. Sadegh - MOATS, Michael S. - MILLER, Jan D. RECENT TRENDS IN THE PROCESSING OF ENARGITE CONCENTRATES. In MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW. ISSN 0882-7508, 2014, vol. 35, no. 5, pp. 283.,

WOS

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In Rudy i Metale Nieżelazne Recykling, R. 59 (2014), nr. 3, 122-126.

ADMB02 BALÁŽ, Peter - HUHN, H.J. - TKÁČOVÁ, Klára - HEEGN, H.

Laugungsverhalten und physico-chemische Eigenschaften von in unterschiedlichen Mullen vorbehandeltem-chalkopyrite. In *Erzmetall: Journal for Exploration, Mining and Metallurgy*, 1988, vol.41., no.6, p. 325-331. ISSN 0044-2658.

Ohlasy:

[3.1] EL-HUSSINY, N.A. - ABDUL-WAHAB, H.H. - ALI, M.M. - OMAR, A.L.A.M. - SHALABI, M.E.M.H - MOHARM, M.R. Effect of Grinding Time of Mill Scale on the Physicochemical Properties of Produced Briquettes and Its Reduction via Hydrogen. In *Open Access Library Journal*, Vol. 1 (2014), e1016, 1-10

ADMB03 BALÁŽ, Peter - BOLDIŽÁROVÁ, Eva - GODOČÍKOVÁ, Erika. Preparation of nanocrystalline copper and copper silicon sulphide by mechanochemical route. In *Materials Science Forum*, 2005, vol. 480, p. 453-456. ISSN 0255-5476.

Ohlasy:

[1.1] CHEN, Shiguo - GUO, Yujuan - CHEN, Shaojun - YU, Huimin - GE, Zaochuan - ZHANG, Xuan - ZHANG, Peixin - TANG, Jiaoning. Facile preparation and synergistic antibacterial effect of three-component Cu/TiO₂/CS nanoparticles. In *JOURNAL OF MATERIALS CHEMISTRY*. ISSN 0959-9428, 2012, vol. 22, no. 18, pp. 9092., WOS

ADMB04 BALÁŽ, Peter - KAMMEL, R. - ACHIMOVÍČOVÁ, Marcela. Selektive Hydrometallurgische Gewinnung von Sb, Hg und Ag aus mechanochemisch behandelten Tetrahedritkonzentraten. In *Metall*, 1994, vol. 48., p. 217-220. ISSN 0026-0746.

Ohlasy:

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In Rudy i Metale Nieżelazne Recykling, R. 59 (2014), nr. 3, 122-126

ADMB05 FICERIOVÁ, Jana - BALÁŽ, Peter - VILLACHICA, Carlos Leon - HARVANOVÁ, Jarmila - GOCK, Eberhard. Selective leaching of bismuth from mechanically activated concentrate. In *Mineral Processing and Extractive Metallurgy : Section C of the Transactions of the Institution of Mining and Metallurgy*, 2012, vol. 121, no. 2, p. 103-108. ISSN 0371-9553.

Ohlasy:

[1.2] SWAROOPA, S. - SAHU, S. - SHEIK, A.R. - SANJAY, K. - GHOSH, M.K. - SUBBAIAH, T. Reclamation of metal values from copper-chromium spent catalysts. In 26th International Mineral Processing Congress, IMPC 2012: Innovative Processing for Sustainable Growth - Conference Proceedings. ISBN: 978-819017143-4, 2012, pp. 5330-5340, SCOPUS

ADMB06 HANČULÁK, Jozef - KURBEL, Tomáš - KUPKA, Daniel - ŠPALDON, Tomislav - ŠESTINOVÁ, Oľga - FINDORÁKOVÁ, Lenka - FEDOROVÁ, Erika. Influence of the Copper Smelter in Krompachy (Slovakia) on Atmospheric

Deposition. In *Inżynieria Mineralna - Journal of the Polish Mineral Engineering Society*, 2014, vol. 15., no. 2, p. 45-50. ISSN 1640-4920.

Ohlasy:

[1.1] JALCOVA, M. - DVOROZNAKOVA, E. Effect of heavy metal intoxication on macrophage metabolic activity of mice infected with *Ascaris suum*. In *HELMINTHOLOGIA*. ISSN 0440-6605, 2014, vol. 51, no. 3, pp. 171., WOS

ADMB07 JENČÁROVÁ, Jana - LUPTÁKOVÁ, Alena. The elimination of heavy metal ions from waters by biogenic iron sulphides. In *Chemical engineering transactions*, 2012, vol. 28, p. 205-210. ISSN 1974-9791.

Ohlasy:

[1.1] SOFRONOV, D.S. – BELIKOV, K.N. – KAMNEVA, N.N. – BRYLEVA, E.Y. - BULGAKOVA, A.V. – CHEBANOV, V.A. Obtaining of ZnS submicron particles and their sorption properties, In *Sorption and Chromatography Processes*, Vol. 14 (2014), Issue 1, p. 159-165. ISSN 1680-0613., WOS

[1.1] WEI, X.C. - WOLFE, F.A. Minerals and Mine Drainage. In *WATER ENVIRONMENT RESEARCH*. ISSN 1061-4303, 2013, vol. 85, no. 10, p. 1515-1547., WOS

[1.2] NATARAJAN, K. A. - PADUKONE, S. Usha. Biological sulfate reduction of a sulfaterich industrial waste liquor using sulfate reducing bacteria. In *Minerals and Metallurgical Processing*. ISSN 07479182, 2013-11-01, 30, 4, pp. 205-211., SCOPUS

[1.2] VEZENTSEV, Alexandr Ivanovich - SOKOLOVSKIY, Pavel Viktorovich - BUHANOV, Vladimir Dmitrievich. Purification of drink water from iron ions with composition sorbent. In *Advances in Environmental Biology*. ISSN 19950756, 2014-01-01, 8, 13, pp. 38-41., SCOPUS

[3.1] ABBAS, S.H. - ISMAIL, I.M. - MOSTAFA, T.M. - SULAYMON, A.H. Biosorption of Heavy Metals: A Review. In *Journal of Chemical Science and Technology*, ISSN 2304-1099 (Online) Vol. 3 (2014), Iss. 4, p. 74-102.

[3.1] SINGH, R.R. - TIPRE, D.R. - DAVE, S.R. Optimization of Cu, Hg and Cd removal by *Enterobacter cloacae* by ferric ammonium citrate precipitation. In *Advances in Environmental Research*, ISSN 2234-1730 (Online), vol. 3 (2014), No. 4, p. 283-292

ADMB08 LUPTÁKOVÁ, Alena - KOTULIČOVÁ, Ingrida - MAČINGOVÁ, Eva - JENČÁROVÁ, Jana. Bacterial elimination of sulphates from mine waters. In *Chemical engineering transactions*, 2013, vol. 35, p. 853-858. ISSN 1974-9791.

Ohlasy:

[1.1] HOLUB, Marian - BALINTOVA, Magdalena - PAVLIKOVA, Petra - DEMČAK, Stefan. Application of various methods for sulphates removal under acidic conditions. In *International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM*. ISSN 13142704, 2014-01-01, 2, 5, pp. 39-46., WOS

[3.1] AKPOR, O.B. - DAHUNSI, S.O. - ARANSIOLA, R. Effect of Initial pH on Sulphate and Phosphate Uptake from Wastewater by Selected Bacterial and Fungal Species. In *International Journal of Sciences: Basic and Applied Research*, ISSN 2307-4531, vol. 15 (2014), iss. 1, p. 287-300.

[3.1] AKPOR, O.B. - DAHUNSI, S.O. - ARANSIOLA, R. Effects of

External Carbon Source Concentration on Sulphate Removal by Selected Bacterial and Fungal species. In *British Biotechnology Journal*, ISSN 2231-2927, vol. 4 (2014), iss. 6, p. 640-648.

- ADMB09 LUPTÁKOVÁ, Alena - PRAŠČÁKOVÁ, Mária - KOTULIČOVÁ, Ingrida. Occurrence of acidithiobacillus ferrooxidans bacteria sulfide mineral deposits of Slovak republic. In *Chemical engineering transactions*, 2012, vol. 28, p. 31-36. ISSN 1974-9791.

Ohlasy:

- [1.1] BALINTOVA. M - PAVLIKOVA. P - HOLUB. M - PETRILAKOVA. A. Leaching of Heavy Metals from Contaminated Sediment. In 16TH INTERNATIONAL CONFERENCE ON PROCESS INTEGRATION, MODELLING AND OPTIMISATION FOR ENERGY SAVING AND POLLUTION REDUCTION (PRES'13). Book Series: Chemical Engineering Transactions. ISSN: 19749791, 2013, vol.35, p. 865-870, WOS
- [1.1] WEI. XC - WOLFE. FA. Minerals and Mine Drainage. In WATER ENVIRONMENT RESEARCH. ISSN 1061-4303, 2013, vol.85, iss. 10, p. 1515-1547, WOS

- ADMB10 LUPTÁKOVÁ, Alena - UBALDINI, Stefano - FORNARI, Pietro - MAČINGOVÁ, Eva. Physical-chemical and biological/chemical methods for treatment of acid mine drainage. In *Chemical engineering transactions*, 2012, vol. 28, p. 115-120. ISSN 1974-9791.

Ohlasy:

- [1.1] WEI, Xinchao - WOLFE, F. Andrew. Minerals and Mine Drainage. In WATER ENVIRONMENT RESEARCH. ISSN 1061-4303, 2013, vol. 85, no. 10, pp. 1515., WOS
- [1.2] HUSSAIN, Rahib - ALI, Liaqat - HUSSAIN, Ijaz - KHATTAK, Seema A. Source identification and assessment of physico-chemical parameters and heavy metals in drinking water of Islampur area, Swat, Pakistan. In *Journal of Himalayan Earth Sciences*. ISSN 19943237, 2014-01-01, 47, 1, pp. 99-106., SCOPUS

- ADMB11 MAČINGOVÁ, Eva - LUPTÁKOVÁ, Alena. Recovery of metals from acid mine drainage. In *Chemical engineering transactions*, 2012, vol. 28, p. 109-114. ISSN 1974-9791.

Ohlasy:

- [1.2] BÁLINTOVÁ, Magdaléna - HOLUB, Marián. Adsorption kinetics and isotherm study of Cu(II) ion sorption from acidic solutions by peat. In *Inzynieria Mineralna*. ISSN 16404920, 2013-07-01, 14, 2, pp. 43-46., SCOPUS
- [1.2] BALINTOVA, Magdalena - PAVLIKOVA, Petra - HOLUB, Marian - PETRILAKOVA, Aneta. Leaching of heavy metals from contaminated sediment. In *Chemical Engineering Transactions*. ISSN 19749791, 2013-01-01, 35, pp. 865-870., SCOPUS
- [1.2] HOLUB, Marian - BALINTOVA, Magdalena - PAVLIKOVA, Petra - PALASCAKOVA, Lenka. Study of sorption properties of zeolite in acidic conditions in dependence on particle size. In *Chemical Engineering Transactions*. ISSN 19749791, 2013-01-01, 32, pp. 559-564., SCOPUS
- [1.2] SIMATE, Geoffrey S. - NDLOVU, Sehliselo. Acid mine drainage: Challenges and opportunities. In *Journal of Environmental Chemical*

Engineering, 2014-01-01, 2, 3, pp. 1785-1803., SCOPUS

[1.2] WEI, Xinchao - ANDREW WOLFE, F. Minerals and mine drainage. In Water Environment Research. ISSN 10614303, 2013-12-01, 85, 10, pp. 1515-1547., SCOPUS

ADMB12 MOCKOVČIAKOVÁ, Annamária - STORZER, H.D. - BAYER, A. Direct magnetic problem solved by quaternion analog of 3D Cauchy-Riemann system. In *Electrical Engineering*, 1993, vol. 76, no. 6, p. 417-421. ISSN 0948-7921.

Ohlasy:

[1.2] DE SOUSA CAMPOSINHOS, R. Stone Cladding Engineering (Book). vol.9789400768482, Springer 2014, p. 1-171, ISBN: 978-940076848-2, SCOPUS

[1.2] ZNAMENÁČKOVÁ, I. - DOLINSKÁ, S. - LOVÁS, M. - HREDZÁK, S. - DIMITRAKIS, G. Utilization of Microwave Radiation at the Heating of Magnesite. In *Inżynieria Mineralna - Journal of the Polish Mineral Engineering Society*, 2014, vol. 15, iss. 1, p. 175-182., SCOPUS

[1.2] ZNAMENÁČKOVÁ, I. - LOVÁS, M. - HREDZÁK, S. - DOLINSKÁ, S. An Application of Microwave Heating in Treatment of Selected Minerals. In 14th GeoConference on Science and Technologies in Geology, Exploration and Mining: proceedings from International Multidisciplinary scientific geoconferences 17-26 June, 2014, Bulgaria. III.Exploration and Mining Mineral Processing. - Albena: STEF 92 Technology Ltd. Andrey Lypchev Blvd., 1797 Sofia, Bulgaria, 2014, p. 965-972., SCOPUS

ADMB13 MOCKOVČIAKOVÁ, Annamária - PANDULA, Blažej. Study of the relation between static and dynamic moduli of rocks. In *Metalurgija*, 2003, vol. 42, no. 1, p. 37-39. (0.102 - IF2002). (2003 - WOS, SCOPUS). ISSN 0543-5846.

Ohlasy:

[1.1] BLAKE, O.O. - FAULKNER, D.R. - RIETBROCK, A. The Effect of Varying Damage History in Crystalline Rocks on the P- and S-Wave Velocity under Hydrostatic Confining Pressure. In *Pure and Applied Geophysics*, vol. 170 (2013), iss. 4, p. 493-505., WOS

[1.1] FARROKHROUZ, M. - ASEF, M.R. - KHARRAT, R. Empirical estimation of uniaxial compressive strength of shale formations. In *Geophysics*, vol. 79 (2014), iss. 4, D227-D233., WOS

[1.1] MIRANDA, L. - CANTINI, L. - GUEDES, J. - BINDA, L. - COSTA, A. Applications of Sonic Tests to Masonry Elements: Influence of Joints on the Propagation Velocity of Elastic Waves. In *Journal of Materials in Civil Engineering*, vol. 25 (2013), is. 6, p.667-682., WOS

[1.1] WILLAN, M. Geotechnical Properties of Patagonian Tephra Tuff. In *Proceedings 5th International Young Geotechnical Engineers' Conference (iYGEC)* (eds. Cui, YJ; Emeriault, F; Cuira, F; Ghabezloo, S; Pereira, JM; Reboul, M; Ravel, H; Tang, AM) Ecole Ponts ParisTech, Marne la Vallee, France, AUG 31-SEP 01, 2013, Book Series: Advances in Soil Mechanics and Geotechnical Engineering, vol. 2 (2013), p. 467-470., WOS

[1.2] DE SOUSA CAMPOSINHOS, R. Stone Cladding Engineering (Book). Volume 9789400768482, Springer 2014, pages 1-171, ISBN: 978-940076848-2, SCOPUS

[1.2] ZNAMENÁČKOVÁ, I. - DOLINSKÁ, S. - LOVÁS, M. - HREDZÁK, S. - DIMITRAKIS, G. Utilization of Microwave Radiation at the Heating of

Magnesite. In Inżynieria Mineralna - Journal of the Polish Mineral Engineering Society, 2014, vol. 15, no. 1, 175-182., SCOPUS

[1.2] ZNAMENÁČKOVÁ, I. - LOVÁS, M. - HREDZÁK, S. - DOLINSKÁ, S. An Application of Microwave Heating in Treatment of Selected Minerals. In 14th GeoConference on Science and Technologies in Geology, Exploration and Mining: proceedings from International Multidisciplinary scientific geoconferences 17-26 June, 2014, Bulgaria. III.Exploration and Mining Mineral Processing. - Albena: STEF 92 Technology Ltd. Andrey Lypchev Blvd., 1797 Sofia,Bulgaria, 2014, 965-972., SCOPUS

[3.1] PROCHÁZKA, D. Vytvoření předpokladů hodnocení vlastností vysokopevnostních betonů s využitím nedestruktivních metod zkoušení. Dizertační práce. Vysoké učení technické v Brně, Fakulta stavební, Ústav technologie stavebních hmot a dílců, Brno 2013, 239 s

[3.1] SALIM, N.A.M. - MOHAMED, Z. - BERHAN, M.N. The Influence of Cyclic Load to the Properties of Weathered Granite. In InCIEC 2013 - Proceedings of the International Civil and Infrastructure Engineering Conference 2013 (eds. R. Hassan, M. Yusoff, Z. Ismail, N. M. Amin, M.A. Fadzil), 477-487

ADMB14 ONDREJKA HARBULÁKOVÁ, Vlasta - EŠTOKOVÁ, Adriana - ŠTEVULOVÁ, Nadežda - LUPTÁKOVÁ, Alena - JANÁK, Gabriel. Acid mine drainage as the factor of microbial involved corrosion of concrete samples. In *9th International Multidisciplinary Scientific GeoConference : Proceedings of the 9th GeoConference, Albena, June 14-19, 2009, Bulgaria, SGEM 2009*. Vol.2.Modern Management of Mine Producing, Geology and Environmental Protection. - by Curran Associates, Inc. (2013) : Andrey Lyapchev Blvd, FL6, Sofia Bulgaria, p. 439-446. ISBN 978-1-62993-271-2. ISSN 1314-2704.

Ohlasy:

[1.2] PETRILÁKOVÁ, A. - BÁLINTOVÁ, M. Utilization of Sorbents for Heavy Metals Removal from Acid Mine Drainage. In Proceedings of the 14th International Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction Location: Florence, Italy, May 08-11, 2011, Book Series: Chemical Engineering Transactions (eds. Klemes, J.J., Varbanov, P.S., Lam, H.L.), Vol. 25, 339-344, WOS

[1.2] PETRILÁKOVÁ, A. - BÁLINTOVÁ, M. Evaluation of sorbents efficiency on heavy metals removal from acid mine drainage. In Pollack Periodica. 2011, vol. 6, issue 2, 139-146, Scopus

[3] WANG, D. - HU, Y. - CHOWDHURY, R. Examination of asbestos cement pipe deterioration with scanning electron microscopy In Pipelines 2011: A Sound Conduit for Sharing Solutions: Proceedings of the Pipelines 2011, July 23-27, 2011, Seattle, 65-78, ISBN 978-078441187-2

ADMB15 ŠEPELÁK, Vladimír - BECKER, Klaus Dieter. Homogeneous reactions in spinels induced by high-energy milling. In *Solid State Phenomena*, 2003, vol. 90-91, p. 109-114. (2003 - Current Contents). ISSN 1012-0394.

Ohlasy:

[1.1] SCHWARZ, Marian - VEVERKA, Milos - MICHÁLKOVÁ, Eva - LALÍK, Vladimír - VEVERKOVÁ, Darina. Utilisation of industrial waste for ferrite pigments production. In CHEMICAL PAPERS. ISSN 0366-6352, 2012, vol. 66, no. 4, pp. 248., WOS

ADMB16 VÁCLAVÍKOVÁ, Miroslava - MISAELIDES, P. - GALLIOS, G.P. - JAKABSKÝ, Štefan - HREDZÁK, Slavomír. Removal of cadmium, zinc, copper and lead by red mud, an iron oxides containing hydrometallurgical waste. In *Studies in Surface Science and Catalysis – Oxide Based Materials*, 2005, vol. 155, p. 517-525. ISSN 0167-2991.

Ohlasy:

- [1.1] ARAR, O. - KABAY, N. - SANCHEZ, J. - RIVAS, B.L. - BRYJAK, M. - PENA, C. Removal of Arsenic from Water by Combination of Electro-Oxidation and Polymer Enhanced Ultrafiltration. In *Environmental Progress & Sustainable Energy*, vol. 33 (2014), iss. 3, p. 918-924., WOS
- [1.1] BHATNAGAR, A. - VILAR, V.J.P. - BOTELHO, C.M.S. - BOAVENTURA, R.A.R. A review of the use of red mud as adsorbent for the removal of toxic pollutants from water and wastewater. In *ENVIRONMENTAL TECHNOLOGY*. 2011, vol. 32, iss. 3, p. 231-249, WOS
- [1.1] CORSINI, A. - CAVALCA, L. - MUYZER, G. - ZACCHEO, P. Effectiveness of various sorbents and biological oxidation in the removal of arsenic species from groundwater. In *Environmental Chemistry*, vol. 11 (2014), iss. 5, p. 558-565., WOS
- [1.1] CORSINI, A. - ZACCHEO, P. - MUYZER, G. - ANDREONI, V. - CAVALCA, L. Arsenic transforming abilities of groundwater bacteria and the combined use of *Allihoeflea* sp strain 2WW and goethite in metalloid removal. In *Journal of Hazardous Materials*, vol. 269 (2014), SI, p. 89-97., WOS
- [1.1] HASAN, S. - GHOSH, A. - RACE, K. - SCHREIBER, R. Jr. - PRELAS, M. Dispersion of FeOOH on Chitosan Matrix for Simultaneous Removal of As(III) and As(V) from Drinking Water. In *Separation Science and Technology (Philadelphia)*, vol. 49 (2014), iss. 18, p. 2863-2877., WOS
- [1.1] CHEN, L. - XIN, H.C. - FANG, Y. - ZHANG, C. - ZHANG, F. - CAO, X. - ZHANG, C.H. - LI, X.B. Application of Metal Oxide Heterostructures in Arsenic Removal from Contaminated Water. In *Journal of Nanomaterials* (2014), Article Number: 793610., WOS
- [1.1] KLAUBER, C. - GRAEFE, M. - POWER, G. Bauxite residue issues: II. options for residue utilization. In *Hydrometallurgy*, Vol. 108 (2011), Issue 1-2, 11-32., WOS
- [1.1] KOBYA, M. - AKYOL, A. - DEMIRBAS, E. - ONCEL, M.S. Removal of Arsenic from Drinking Water by Batch and Continuous Electrocoagulation Processes Using Hybrid Al-Fe Plate Electrodes. In *Environmental Progress & Sustainable Energy*, vol. 33 (2014), iss. 1, p. 131-140, WOS
- [1.1] KWON, J.H. - WILSON, L.D. - SAMMYNAIKEN, R. Sorptive Uptake Studies of an Aryl- Arsenical with Iron Oxide Composites on an Activated Carbon Support. In *Materials*, vol. 7 (2014), iss. 3, p. 1880-1898., WOS
- [1.1] LIU, D.Y. - WU, C.S. Stockpiling and Comprehensive Utilization of Red Mud Research Progress. In *Materials*, vol. 5 (2012), iss. 7, p.1232-1246, WOS
- [1.1] PULFORD, I.D. - HARGREAVES, J.S.J. - DURISOVA, J. - KRAMULOVA, B. - GIRARD, C. - BALAKRISHNAN, M. - BATRA, V.S. - RICO, J.L. Carbonised red mud - A new water treatment product made from a waste material. In *Journal of Environmental Management*, vol. 100 (2012), p. 59-64, WOS
- [1.1] SHI, L. - WANG, W. - YUAN, S.J. - HU, Z.H. Electrochemical stimulation of microbial roxarsone degradation under anaerobic conditions. In

Environmental Science and Technology, vol. 48 (2014), iss. 14, p. 7951-7958, WOS

[1.1] WU, C.S. - LIU, D.Y. Mineral Phase and Physical Properties of Red Mud Calcined at Different Temperatures. In Journal of Nanomaterials (2012), Article Number: 628592, 6p, WOS

[1.2] COLEMAN, Nichola J. - LI, Qiu - RAZA, Atiya. Synthesis, structure and performance of calcium silicate ion exchangers from recycled container glass. In Physicochemical Problems of Mineral Processing. ISSN 16431049, 2014-01-24, 50, 1, pp. 5-16., SCOPUS

[1.2] GRUDIĆ, Veselinka V. - BRAŠANAC, Snežana - VUKAŠINOVIĆ-PEŠIĆ, Vesna L. - BLAGOJEVIĆ, Nada Z. Sorption of cadmium from water using neutralized red mud and activated neutralized red mud. In ARPN Journal of Engineering and Applied Sciences, 2013-11-01, 8, 11, pp. 933-943., SCOPUS

[1.2] GRUDIĆ, Veselinka V. - PERIĆ, Dina - BLAGOJEVIĆ, Nada Z. - VUKAŠINOVIĆ-PEŠIĆ, Vesna L. - BRAŠANAC, Snežana - MUGOŠA, Bojana. Pb(II) and Cu(II) sorption from aqueous solutions using activated red mud Evaluation of kinetic, equilibrium, and thermodynamic models. In Polish Journal of Environmental Studies. ISSN 12301485, 2013-05-29, 22, 2, pp. 377-385., SCOPUS

[1.2] SAHU, Manoj Kumar - MANDAL, Sandip - DASH, Saswati S. - BADHAI, Pranati - PATEL, Raj Kishore. Removal of Pb(II) from aqueous solution by acid activated red mud. In Journal of Environmental Chemical Engineering, 2013-12-01, 1, 4, pp. 1315-1324., SCOPUS

[1.2] WANG, Jim J. - GASTON, Lewis A. Nutrient chemistry of manure and manure-impacted soils as influenced by application of bauxite residue. In Applied Manure and Nutrient Chemistry for Sustainable Agriculture and Environment, 2014-01-01, pp. 239-266., SCOPUS

[3] NICULESCU, M.D. Transfer of organic substances from residual tannery baths to the multifunctional mineral complex made of red mud / Transferul substanțelor organice din flote reziduale din tăbăcărie în complexul mineral multifuncțional realizat din nămol roșu. In Revista de Pielarie Incaltaminte 13 (2013), 3, p. 187-200

[3.1] NICULESCU, M.D. - FILIPESCU, L. Red mud as multifunctional material for pollutants capturing from wastewater. In ICAMS 2014 Proceedings - 5th International Conference on Advanced Materials and Systems, 23-25 October, 2014, Bucharest, Romania, 6 p

[3.1] SMILJANIĆ, S.N. Proučavanje tretmana, fizičko-hemijskih svojstava crvenog mulja i parametara sorpcije na efikasnost uklanjanja jona nikla iz vodenih rastvora (Study of treatment, physico-chemical properties of red mud and sorption parameters on removal efficiency of nickel ions from aqueous solutions). Doktorska disertacija, Tehnološko-Metalurški fakultet Univerzitet u Beogradu, Beograd 2013, 198 s.

ADNA Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus

ADNA01 ACHIMOVIČOVÁ, Marcela - REČNIK, Aleksander - FABIÁN, Martin - BALÁŽ, Peter. Characterization of tin selenides synthesized by high-energy milling. In *Acta Montanistica Slovaca*, 2011, vol. 16, no.2, p. 147-151. (0.134 - IF2010). ISSN 1335-1788.

Ohlasy:

[1.1] LEWIS, D.J. - KEVIN, P. - BAKR, O. - MURYN, C.A. - MALIK, M.A. - O'BRIEN, P. Routes to tin chalcogenide materials as thin films or nanoparticles: a potentially important class of semiconductor for sustainable solar energy conversion. In INORGANIC CHEMISTRY FRONTIERS. ISSN 2052-1553, 2014, vol. 1, no. 8, p. 577-598., WOS

[1.1] TAKACS, L. Gradual and Self-Sustaining Processes in the Sn-Zn-Se System. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, OCT 2014, vol. 126, no. 4, p. 1032-1039., WOS

[1.2] MICHIELON DE SOUZA, S. - ORDOZOITH DA FROTA, H. - TRICHES, D.M. - GHOSH, A. - CHAUDHURI, P.- SILVA DOS SANTOS GUSMAO, M. - DE FIGUEIREDO PEREIRA, A.F.F. - COUTO SIQUEIRA, M. - DAUM MACHADO, K. - CARDOSO DE LIMA, J. Pressure-induced polymorphism in nanostructured SnSe. In Journal of Applied Crystallography. ISSN 0021-8898, vol. 49, February 2016, p. 213-221, SCOPUS

ADNA02 BREHUV, Ján - BOBRO, Milan - HANČULÁK, Jozef - ŠPALDON, Tomislav - SLANČO, Pavel. The influence of old environmental loads on contamination : Vplyv starých banských záťaží na kontamináciu tokov ústiacich do nádrže Vodného diela „Ružín I“ vybranými prvkami v roku 2004. In *Acta Montanistica Slovaca*, 2005, vol. 10, p. 322-328. ISSN 1335-1788.

Ohlasy:

[1.1] ANGELOVICOVA, L. - LODENIUS, M. - TULISALO, E. - FAZEKASOVA, D. Effect of Heavy Metals on Soil Enzyme Activity at Different Field Conditions in Middle Spis Mining Area (Slovakia). In Bulletin of Environmental Contamination and Toxicology, vol. 93 (2014), 6, p. 670-675, WOS

[1.1] ANGELOVIČOVÁ, L. - FAZEKAŠOVÁ, D. Contamination of the soil and water environment by heavy metals in the former mining area of Rudňany (Slovakia) In Soil & Water Research, vol. 9 (2014), p. 18-24., WOS

[1.1] KROKUSOVA, J. - CECHECH, V. - KUNAKOVA, L. - BLAHUT, M. Impact of air pollution on the environment in the Krompachy town (Slovakia)., WOS

ADNA03 FICERIOVÁ, Jana - BALÁŽ, Peter. Leaching of gold from a mechanically and mechanochemically activated waste. In *Acta Montanistica Slovaca*, 2010, roč.15, č. 3, p.183-187. (0.097 - IF2009). (2010 - WOS, SCOPUS). ISSN 1335-1788.

Ohlasy:

[1.1] BIRLOAGA, Ionela - DE MICHELIS, Ida - FERELLA, Francesco - BUZATU, Mihai - VEGLIO, Francesco. Study on the influence of various factors in the hydrometallurgical processing of waste printed circuit boards for copper and gold recovery. In WASTE MANAGEMENT. ISSN 0956-053X, 2013, vol. 33, no. 4, pp. 935., WOS

[1.1] OLTEANU, Antoneta Filcenco - DOBRE, Tanase - PANTURU, Eugenia - RADU, Aura Daniela - AKCIL, Ata. Experimental process analysis and mathematical modeling for selective gold leaching from slag through wet chlorination. In HYDROMETALLURGY. ISSN 0304-386X, 2014, vol. 144, no., pp. 170., WOS

ADNA04 FICERIOVÁ, Jana - BALÁŽ, Peter - GOCK, Eberhard. Leaching of gold, silver and accompanying metals from circuit boards (PCBs) waste. In *Acta Montanistica Slovaca*, 2011, vol. 16, no.2, p.128-131. (0.134 - IF2010). ISSN 1335-1788.

Ohlasy:

[3.1] RUDNIK, E. - DOBOSZ, I. Zastosowanie roztworów amoniakalnych w procesach odzysku metali nieżelaznych z odpadów elektronicznych / Application of ammoniacal solutions for recovery of non-ferrous metals from e-waste. In *Rudy i Metale Nieżelazne Recykling*, R. 59 (2014), nr. 11, 561-568.

ADNA05 FUTÓ, Jozef - KREPELKA, František - CHLEBOVÁ, Zuzana - IVANIČOVÁ, Lucia. Measuring procedure of experimental data acquisition and data evaluation of acoustic emission in rock disintegration. In *Acta Montanistica Slovaca*, 2009, vol. 14, no. 3, p. 254-259. (2009 - WOS, SCOPUS). ISSN 1335-1788.

Ohlasy:

[1.1] FLEGNER, P. - KACUR, J. - DURDAN, M. - LESSO, I. - LACIAK, M. Measurement and processing of vibro-acoustic signal from the process of rock disintegration by rotary drilling. In *MEASUREMENT*. ISSN 0263-2241, OCT 2014, vol. 56, p. 178-193., WOS

[1.2] HOROVČAK, P. - TERPAK, J. - KUKURUGYA, J. Conception and administration design of database support of web service for thermodynamic calculations. In 12th International Carpathian Control Conference, ICC'2011; Velke Karlovice; Czech Republic; 25 May 2011 through 28 May 2011; Category number CFP1142L-CDR; Code 85880. ISBN 978-161284359-9, Article number 5945836, p. 148-151, SCOPUS

[1.2] SHREEDHARAN, S. - HEDGE, C. - SHARMA, S. - VARDHAN, H. Acoustic fingerprinting for rock identification during drilling. In *International Journal of Mining and Mineral Engineering*. ISSN 1754-890X, vol. 5, iss 2, 2014, p. 89-105, SCOPUS

[1.2] TERPAK, J. - HOROVČAK, P. - DORČAK, E. - KUKURUGYA, J. Modelling of phase transition by the heating. In 2011 12th International Carpathian Control Conference, ICC'2011; Velke Karlovice; Czech Republic; 25 May 2011 through 28 May 2011; Category number CFP1142L-CDR; Code 85880. ISBN 978-161284359-9, 2011, Article number 5945887, p. 394-397, SCOPUS

ADNA06 FUTÓ, Jozef - KREPELKA, František. Postup pri získavaní experimentálnych dát pre vzhdnocovanie akustickej emisie pri rozpojovaní hornín. In *Acta Montanistica Slovaca*, 2007, roč. 12, č. 1, s. 20-24. ISSN 1335-1788.

Ohlasy:

[1.1] FLEGNER, P. - KACUR, J. - DURDAN, M. - LESSO, I. - LACIAK, M. Measurement and processing of vibro-acoustic signal from the process of rock disintegration by rotary drilling. In *MEASUREMENT*. ISSN 0263-2241, OCT 2014, vol. 56, p. 178-193., WOS

ADNA07 FUTÓ, Jozef - IVANIČOVÁ, Lucia - KREPELKA, František - LABAŠ, Milan. Process of quantitative evaluation of validity of rock cutting model. In *Acta Montanistica Slovaca*, 2012, vol. 17, no. 3, p.179-183. (0.084 - IF2011). ISSN 1335-1788.

Ohlasy:

[1.1] LESSO, Igor - FLEGNER, Patrik - SABOVA, Zuzana. IMPROVING THE CAPABILITY OF METALLURGICAL PROCESS BY HILBERT SPACE UTILIZATION. In GEOCONFERENCE ON INFORMATICS, GEOINFORMATICS AND REMOTE SENSING CONFERENCE PROCEEDINGS, VOL I. ISSN 1314-2704, 2013, vol., no., pp. 145., WOS

ADNA08 HANČULÁK, Jozef - FEDOROVÁ, Erika - ŠESTINOVÁ, Oľga - ŠPALDON, Tomislav - MATIK, Marek. Influence of iron ore works in Nižná Slaná on atmospheric deposition of heavy metals. In *Acta Montanistica Slovaca*, 2011, vol. 16, no. 3, p. 220-228. (0.134 - IF2010). ISSN 1335-1788.

Ohlasy:

[1.2] ANGELOVICOVA. L - LODENIUS. M - TULISALO. E - FAZEKASOVA. D Effect of heavy metals on soil enzyme activity at different field conditions in middle spis mining area (Slovakia). In Bulletin of Environmental Contamination and Toxicology. ISSN 0007-4861, vol.93, iss. 6, 2014, pp. 670-675, SCOPUS

[1.2] JALCOVA. M DVOROZNAKOVA. E Effect of heavy metal intoxication on macrophage metabolic activity of mice infected with *Ascaris suum*. In *Helminthologia*. ISSN 0440-6605, vol. 51, iss. 3, 2014, pp. 171-180, SCOPUS

ADNA09 JABLONOVSKÁ, Katarína - DAKOS, Zuzana - ŠTYRIAKOVÁ, Iveta. Bioleaching of Zn, Ni and Fe from contaminated sediments of water reservoir Ruzin I with using heterotrophic bacterial strains. In *Acta Montanistica Slovaca*, 2012, vol. 17, no. 1, p. 47-50. (0.084 - IF2011). ISSN 1335-1788.

Ohlasy:

[1.1] PETRILAKOVA, Aneta - SINGOVSKA, Eva - BALINTOVA, Magdalena - JUNAKOVA, Natalia. CHARACTERIZATION OF SEDIMENT QUALITY DEPENDING ON THE DEPTH OF SAMPLING FROM WATER RESERVOIR RUZIN (SLOVAKIA). In GEOCONFERENCE ON ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, SGEM 2013, VOL I. ISSN 1314-2704, 2013, vol., no., pp. 193., WOS

[1.1] SINGOVSKA, Eva - BALINTOVA, Magdalena - HOLUB, Marian. POLLUTION INDEX CALCULATION FOR GEOCHEMICAL ASSESSMENT OF HEAVY METALS IN WATERCOURSES CONTAMINATING WATER RESERVOIR RUZIN I. (SLOVAKIA). In GEOCONFERENCE ON ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, VOL II. ISSN 1314-2704, 2014, vol., no., pp. 499., WOS

[1.2] PETRILAKOVA, Aneta - BALINTOVA, Magdalena - SINGOVSKA, Eva. Study of heavy metals stratification in sediment in Reservoir Ruzin (SLOVAKIA). In *Pollack Periodica*. ISSN 17881994, 2014-01-01, 9, 3, pp. 35-42., SCOPUS

[1.2] SINGOVSKA, Eva - BALINTOVA, Magdalena - HOLUB, Marian. Assesment of heavy metals concentration in sediments by potential ecological risk index. In *Inzynieria Mineralna*. ISSN 16404920, 2014-01-01, 15, 2, pp. 137-140., SCOPUS

[3.1] SINGOVSKÁ, E. - BALINTOVÁ, M. Evaluation quality of sediments for aquytic polution control in Slovakia. In International Scientific Conference "People, Buildings and Environment" (PBE2014) 15-17 October,

2014, Kroměříž, Czech Republic, 623-629

[3.1] SINGOVSKA, E. - BALINTOVA, M. - HOLUB, M. Ecological Risk Assessment of Heavy Metals in the Bottom Sediments in Eastern Slovakia. In Proceedings 18th Conference on Environment and Mineral Processing, Part I, 29.-31.05. 2014, VŠB-TU Ostrava, Czech Republic, 229-232.

ADNA10 JENČÁROVÁ, Jana - LUPTÁKOVÁ, Alena. The effect of preparation of biogenic sorbent on zinc sorption. In *Acta Montanistica Slovaca*, 2011, vol. 16, no. 2, p. 154-158. (0.134 - IF2010). ISSN 1335-1788.

Ohlasy:

[1.1] SPALDON, Tomislav - KUPKA, Daniel - HANCULAK, Jozef - SESTINOVA, Olga - FINDORAKOVA, Lenka. COMPARING OF SULPHATES REMOVING FROM REAL MINE WATER AND MODEL SOLUTION USING BARIUM SALTS. In International Multidisciplinary Scientific GeoConference SGEM. ISSN 1314-2704, 2014, vol. 2, no. 5, p. 139-146., WOS

[3] ŠPALDON, T. - HANČULÁK, J. - ŠESTINOVÁ, O. - FINDORÁKOVÁ, L. - KURBEL, T. Utilization of various barium compounds as sulphates remover. In Waste Forum, ISSN 1804-0195, roč. 3 (2013), p. 164-168

[3] ŠPALDON, T. - HANČULÁK, J. - ŠESTINOVÁ, O. - FINDORÁKOVÁ, L. - KURBEL, T. Ways of sulphate removal by using various barium compounds. In 17th Conference on Environment and Mineral Processing: zborník prednášok z konferencie VŠB - TU Ostrava, 6.- 8.6.2013. Ed. Čablík Vladimír. - Ostrava: VŠB TU, ISBN 978-80-248-3000-1, 2013, p. 243-247

ADNA11 KREPELKA, František - FUTÓ, Jozef - IVANIČOVÁ, Lucia. Acoustic and physiological effects of the surroundings in rock cutting proces. In *Acta Montanistica Slovaca*, 2010, vol. 15, no. 3, p. 220-224. (0.097 - IF2009). (2010 - WOS, SCOPUS). ISSN 1335-1788.

Ohlasy:

[1.1] FLEGNER. P - KACUR. J - DURDAN. M - LESSO. I - LACIAK. M. Measurement and processing of vibro-acoustic signal from the process of rock disintegration by rotary drilling. In Measurement. ISSN 0263-2241, vol.56, 2014, pp. 178-193, WOS

[1.2] SHEEDHARAN. S - HEGDE. C - SHARMA. S - VERDHAN. H Acoustic fingerprinting for rock identification during drilling. In International Journal of Mining and Mineral Engineering. ISSN1754-890X, vol. 5, 2014, iss. 2, pp.89-105, SCOPUS

ADNA12 KREPELKA, František - FUTÓ, Jozef. Akustické aspekty technologického procesu rozpojovania hornín. In *Acta Montanistica Slovaca*, 2007, roč. 12, č. 1, s. 25-28. ISSN 1335-1788.

Ohlasy:

[1.1] FLEGNER, P. - KACUR, J. - DURDAN, M. - LESSO, I. - LACIAK, M. Measurement and processing of vibro-acoustic signal from the process of rock disintegration by rotary drilling. In MEASUREMENT. ISSN 0263-2241, OCT 2014, vol. 56, p. 178-193., WOS

- ADNA13 KRÚPA, Vítazoslav - LAZAROVÁ, Edita. Matematická interpretácia výsledkov monitorovania interakcie horninového masívu a raziaceho stroja : Mathematical interpretation of monitoring results of the rock mass and TBM interaction In. In *Acta Montanistica Slovaca*, 2008, vol. 13, no.1, p. 33-38. ISSN 1335-1788.
- Ohlasy:
- [1.1] KOSTÚR, K. - FUTÓ, J. - KREPELKA, F. - IVANIČOVÁ, L. Comparison of characteristics of excavation process and characteristics of acoustic signal in TBM excavation. In Proceedings of the 13th International Carpathian Control Conference, ICCC 2012, Podbanské, Slovakia, 2012, 332-335., WOS
- ADNA14 KUPKA, Daniel - DAKOS, Zuzana - HORNÁKOVÁ, Andrea - ACHIMOVIČOVÁ, Marcela - KAVEČANSKÝ, Viktor. Effluent water quality and the ochre deposit characteristics of the abandoned Smolník mine, East Slovakia. In *Acta Montanistica Slovaca*, 2012, vol. 17, no.1, p. 56-64. (0.084 - IF2011). ISSN 1335-1788.
- Ohlasy:
- [1.2] MAČINGOVÁ, Eva - LUPTÁKOVÁ, Alena. Recovery of iron from acid mine drainage in the form of oxides. In *Inžynieria Mineralna*. ISSN 16404920, 2014-01-01, 15, 2, pp. 193-198., SCOPUS
- ADNA15 LOVÁS, Michal - ZNAMENÁČKOVÁ, Ingrid - ZUBRIK, Anton - KOVÁČOVÁ, Milota - DOLINSKÁ, Silvia. The Application of Microwave Energy in Mineral Processing - a Review. In *Acta Montanistica Slovaca*, 2011, vol. 16, no. 2, p. 137-148. (0.134 - IF2010). ISSN 1335-1788.
- Ohlasy:
- [1.1] BHATTACHARYA, Madhuchhanda - BASAK, Tanmay - SRIRAM, Subramanian. Generalized characterization of microwave power absorption for processing of circular shaped materials. In *CHEMICAL ENGINEERING SCIENCE*. ISSN 0009-2509, 2014, vol. 118, no., pp. 257., WOS
- [1.1] ZHAO, Wei - CHEN, Jin - CHANG, Xiaodong - GUO, Shenghui - SRINIVASAKANNAN, C. - CHEN, Guo - PENG, Jinhui. Effect of microwave irradiation on selective heating behavior and magnetic separation characteristics of Panzhihua ilmenite. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2014, vol. 300, no., pp. 171., WOS
- [1.2] MELLO, Paola A. - BARIN, Juliano S. - GUARNIERI, Ricardo A. Microwave Heating. In *Microwave-Assisted Sample Preparation for Trace Element Determination*, 2014-05-01, pp. 59-75., SCOPUS
- [3.1] FARIDAH KORMIN, S.K. - NOUR, A.H - YUNUS, R.M. - RIVAL, M. Performance of temperature control microwave closed system (TCMS). In *International Journal of Engineering Sciences & Research Technology*, Vol. 3, Issue 1 (2014), 135-142
- ADNA16 LUPTÁKOVÁ, Alena - MAČINGOVÁ, Eva. Alternative substrates of bacterial sulphate reduction for the biological-chemical treatment of acid mine drainage. In *Acta Montanistica Slovaca*, 2012, vol. 17, no. 1, p. 74-80. (0.084 - IF2011). ISSN 1335-1788.
- Ohlasy:
- [1.2] WAWRZAK, D. - ČABLÍK, V. Microbiological Decomposition of

Sulphates in Reduction of COD in Dairy Industry Wastewater. In *Inzynieria Mineralna*, 2014, vol. 34, iss. 2, p. 269-272., SCOPUS

- ADNA17 ŠTEFUŠOVÁ, Katarína - VÁCLAVÍKOVÁ, Miroslava - LOVÁS, Michal - HREDZÁK, Slavomír. Use of magnetic filtration in waste water treatment. In *Acta Montanistica Slovaca*, 2012, vol. 17, no. 1, p. 81-84. (0.084 - IF2011). ISSN 1335-1788.

Ohlasy:

[1.1] YEAP, Swee Pin - LEONG, Sim Siong - AHMAD, Abdul Latif - OOI, Boon Seng - LIM, JitKang. On Size Fractionation of Iron Oxide Nanoclusters by Low Magnetic Field Gradient. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2014, vol. 118, no. 41, pp. 24042., WOS

[3] DANKOVÁ, Z. - MOCKOVČIAKOVÁ, A. - OROLÍNOVÁ, M. Cd(II) Adsorption by Magnetic Clay Composite under the Ultrasound Irradiation. In *Energy and Environmental Engineering*, 2013, vol. 1, no. 2, p. 74-80. Chemical Abstracts Service, Index Copernicus

- ADNA18 VEREŠ, Ján - JAKABSKÝ, Štefan - LOVÁS, Michal - HREDZÁK, Slavomír. Non- isothermal microwave leaching kinetics of zinc removal from basic oxygen furnace dust. In *Acta Montanistica Slovaca*, 2010, vol. 15, p.204-211. (0.097 - IF2009). (2010 - WOS, SCOPUS). ISSN 1335-1788.

Ohlasy:

[1.1] WANG, Lele - YUAN, Xingzhong - ZHONG, Hua - WANG, Hou - WU, Zhibin - CHEN, Xiaohong - ZENG, Guangming. Release behavior of heavy metals during treatment of dredged sediment by microwave-assisted hydrogen peroxide oxidation. In *CHEMICAL ENGINEERING JOURNAL*. ISSN 1385-8947, 2014, vol. 258, no., pp. 334., WOS

[3.1] IZAN, J. Chlorination for the removal of zinc from basic oxygen steelmaking (BOS) by-product. PhD Thesis (2014), Institute of Sustainability and Environment, School of Engineering, Cardiff University

- ADNA19 VEREŠ, Ján - JAKABSKÝ, Štefan - LOVÁS, Michal - HREDZÁK, Slavomír. Non-isothermal microwave leaching kinetics of zinc removal from basic oxygen furnace dust. In *Acta Montanistica Slovaca*, 2010, vol. 15, no. 3, p. 204-211. (0.097 - IF2009). (2010 - WOS, SCOPUS). ISSN 1335-1788.

Ohlasy:

[1.1] WANG, Lele - YUAN, Xingzhong - ZHONG, Hua - WANG, Hou - WU, Zhibin - CHEN, Xiaohong - ZENG, Guangming. Release behavior of heavy metals during treatment of dredged sediment by microwave-assisted hydrogen peroxide oxidation. In *Chemical Engineering Journal*. ISSN 13858947, 2014-12-15, 258, pp. 334-340., WOS

[1.2] CHEN, Jin - CHEN, Guo - PENG, Jinhui. Life cycle assessment of microwave hot air systems. In *TMS Annual Meeting*, 2013-04-26, pp. 615-622., SCOPUS

- ADNA20 VEREŠ, Ján - DANKOVÁ, Zuzana. Study of the treated and magnetically modified bentonite as possible sorbent of heavy metals. In *Acta Montanistica Slovaca*, 2009, roč. 14, č. 2, s. 152-155. (2009 - WOS, SCOPUS). ISSN 1335-1788.

Ohlasy:

[1.1] GALAMBOS, Michal - ROSSKOPFOVA, Ol'ga - KUFCAKOVA,

Jana - RAJEC, Pavol. Utilization of Slovak bentonites in deposition of high-level radioactive waste and spent nuclear fuel. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, JUN 2011, vol. 288, no. 3, p. 765-777., WOS

[1.1] GALAMBOS, M. - DANO, M. - ROSSKOPFOVA, O. - SERSEN, F. - KUFCAKOVA, J. - ADAMCOVA, R. - RAJEC, P. Effect of gamma-irradiation on adsorption properties of Slovak bentonites. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, MAY 2012, vol. 292, no. 2, p. 481-492., WOS

[1.1] GALAMBOS, M. - MAGULA, M. - DANO, M. - OSACKY, M. - ROSSKOPFOVA, O. - RAJEC, P. Comparative study of cesium adsorption on dioctahedral and trioctahedral smectites. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, SEP 2012, vol. 293, no. 3, p. 829-837., WOS

[1.1] GALAMBOS, M. - OSACKY, M. - ROSSKOPFOVA, O. - KRAJNAK, A. - RAJEC, P. Comparative study of strontium adsorption on dioctahedral and trioctahedral smectites. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, SEP 2012, vol. 293, no. 3, p. 889-897., WOS

[1.1] GALAMBOS, M. - SUCHANEK, P. - ROSSKOPFOVA, O. Sorption of anthropogenic radionuclides on natural and synthetic inorganic sorbents. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, AUG 2012, vol. 293, no. 2, p. 613-633., WOS

[1.1] ROZUMOVA, Lucia - SEIDLEROVA, Jana - SAFARIK, Ivo - SAFARIKOVA, Mirka - GABOR, Roman. SORPTION OF PB ON MAGNETICALLY MODIFIED BIOLOGICAL MATERIALS. In NANOCON 2012, 4TH INTERNATIONAL CONFERENCE. 2012, p. 623-628., WOS

[1.1] ZHAN, Liang-tong - ZENG, Xing - LI, Yuchao - CHEN, Yunmin. Analytical Solution for One-Dimensional Diffusion of Organic Pollutants in a Geomembrane-Bentonite Composite Barrier and Parametric Analyses. In JOURNAL OF ENVIRONMENTAL ENGINEERING. ISSN 0733-9372, JAN 1 2014, vol. 140, no. 1, p. 57-68., WOS

[1.2] ZHAN, Liang Tong - ZENG, Xing - LI, Yuchao - CHEN, Yunmin. Analytical solution for one-dimensional diffusion of organic pollutants in a geomembrane-bentonite composite barrier and parametric analyses. In Journal of Environmental Engineering (United States). ISSN 07339372, 2014-01-01, 140, 1, pp. 57-68., SCOPUS

[3] ROZUMOVÁ, L. - SEIDLEROVÁ, J. - ŠAFAŘÍK, I. - ŠAFAŘÍKOVÁ, M. - GABOR, R. Sorption of Pb on magnetically modified biological materials. In Proceeding from NANOCON 2012, 23-25 October 2012, Brno, Czech Republic.

ADNA21 VEREŠ, Ján - JAKABSKÝ, Štefan - LOVÁS, Michal. Zinc recovery from iron and steel making wastes by conventional. In *Acta Montanistica Slovaca*, 2011, vol. 16, no. 3, p. 185-191. (0.134 - IF2010). ISSN 1335-1788. Dostupné na internete: KE103.

Ohlasy:

[1.1] DU, Kaiping - WU, Shengli - ZHANG, Zhekai - CHANG, Feng - LIU, Xinliang. Analysis on Inherent Characteristics and Behavior of Recycling Dust in Freeboard of COREX Melter Gasifier. In ISIJ INTERNATIONAL. ISSN

0915-1559, 2014, vol. 54, no. 12, pp. 2737., WOS

[1.1] STEER, Julian M. - GRIFFITHS, Anthony J. Investigation of carboxylic acids and non-aqueous solvents for the selective leaching of zinc from blast furnace dust slurry. In *HYDROMETALLURGY*. ISSN 0304-386X, 2013, vol. 140, no., pp. 34., WOS

[1.1] STEER, J. - GRAINGER, C. - GRIFFITHS, A. - GRIFFITHS, M. - HEINRICH, T. - HOPKINS, A. Characterisation of BOS steelmaking dust and techniques for reducing zinc contamination. In *IRONMAKING & STEELMAKING*. ISSN 0301-9233, 2014, vol. 41, no. 1, pp. 61., WOS

[1.1] YE, Qianxu - ZHU, Hongbo - ZHANG, Libo - LIU, Peng - CHEN, Guo - PENG, Jinhui. Carbothermal reduction of low-grade pyrolusite by microwave heating. In *RSC ADVANCES*. ISSN 2046-2069, 2014, vol. 4, no. 102, pp. 58164., WOS

[1.1] YE, Qianxu - ZHU, Hongbo - ZHANG, Libo - MA, Ji - ZHOU, Li - LIU, Peng - CHEN, Jian - CHEN, Guo - PENG, Jinhui. Preparation of reduced iron powder using combined distribution of wood-charcoal by microwave heating. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2014, vol. 613, no., pp. 102., WOS

[1.2] CHEN, Jin - CHEN, Guo - PENG, Jinhui. Life cycle assessment of microwave hot air systems. In *TMS Annual Meeting, 2013-04-26*, pp. 615-622., SCOPUS

ADNB Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus

ADNB01 MIKLÚŠOVÁ, Viera - TRÉFOVÁ, Ľudmila - IVANIČOVÁ, Lucia - KREPELKA, František. Acoustic signal - New feature in monitoring of rock disintegration process. In *Contributions to Geophysics and Geodesy*, 2006, vol. 36, spec.iss., p. 125-133. (2006 - SCOPUS). ISSN 1335-2806.

Ohlasy:

[1.1] KUMAR, B. Rajesh - VARDHAN, Harsha - GOVINDARAJ, M. Sound level produced during rock drilling vis-à-vis rock properties. In *Engineering Geology*. ISSN 00137952, 2011-11-21, 123, 4, pp. 333-337., WOS

[1.1] KUMAR, B. Rajesh - VARDHAN, Harsha - GOVINDARAJ, M. Prediction of uniaxial compressive strength, tensile strength and porosity of sedimentary rocks using sound level produced during rotary drilling. In *Rock Mechanics and Rock Engineering*. ISSN 07232632, 2011-09-01, 44, 5, pp. 613-620., WOS

[1.2] MASOOD - VARDHAN, Harsha - ARUNA, M. - RAJESH KUMAR, B. A critical review on estimation of rock properties using sound levels produced during rotary drilling. In *International Journal of Earth Sciences and Engineering*. ISSN 09745904, 2012-01-01, 5, 6 SPECIAL ISSUE 1, pp. 1809-1814., SCOPUS

[1.2] RAJESH KUMAR, B. - VARDHAN, Harsha - GOVINDARAJ, M. - SARASWATHI, P. Sowmya. Artificial neural network model for prediction of rock properties from sound level produced during drilling. In *Geomechanics and Geoengineering*. ISSN 17486025, 2013-03-01, 8, 1, pp. 53-61., SCOPUS

[1.2] RAJESH KUMAR, B. - VARDHAN, Harsha - GOVINDARAJ, M. - VIJAY, G. S. Regression analysis and ANN models to predict rock properties from sound levels produced during drilling. In *International Journal of Rock Mechanics and Mining Sciences*. ISSN 13651609, 2013-02-01, 58, pp. 61-72., SCOPUS

- [1.2] RAJESH KUMAR, B. - VARDHAN, Harsha - GOVINDARAJ, M. A new approach for estimation of properties of metamorphic rocks. In International Journal of Mining and Mineral Engineering. ISSN 1754890X, 2011-09-01, 3, 2, pp. 109-123., SCOPUS
- [1.2] SHREEDHARAN, Srisharan - HEGDE, Chiranth - SHARMA, Sunil - VARDHAN, Harsha. Acoustic fingerprinting for rock identification during drilling. In International Journal of Mining and Mineral Engineering. ISSN 1754890X, 2014-01-01, 5, 2, pp. 89-105., SCOPUS
- [3.1] RAJESH KUMAR, B. - VARDHAN, H. Rock Engineering Design - Properties and Applications of Sound Level. CRC Press, Taylor&Francis Group, ISBN 978-1-4665-8295-8, p.171

AEC Scientific papers in foreign peer-reviewed proceedings, monographs

- AEC01 DOLINSKÁ, Silvia - LOVÁS, Michal - ZNAMENÁČKOVÁ, Ingrid - HREDZÁK, Slavomír - JAKABSKÝ, Štefan - MATIK, Marek. Application of the microwave energy at the extraction of organic compounds from natural materials. In *Modern Management of Mine Producing, Geology and Environmental Protection : proceedings from 11th International Multidisciplinary Scientific GeoConference (Albena: 20-25 June 2011)*. Eds. N., Sabotinov, M., Mazhdrakov. - Albena (Bulgaria) : SGEM, 2011, p. 1083-1090. ISSN 1314-2704.
Ohlasy:
[3] UGWU K.E. - OFOMATAH A.C. Evaluation of properties of coal slurry from different solvents. In International Journal of Physical Sciences, Vol. 8(20), 2013, p. 1118-1120
- AEC02 FABIÁN, Martin - ELIAS, Alexander - KOSTOVA, Nina G. - BRIANČIN, Jaroslav - BALÁŽ, Peter. Photocatalytic activity of nanocrystalline gahnite (ZnAl_2O_4), synthesized by ball milling. In *Modern Management of Mine Producing, Geology and Environment Protection SGEM 2012 : proceedings from 12th International Multidisciplinary Scientific GeoConference 17-23 June 2012 Bulgaria, Albena*. Volume III. Micro and nano technologies. Eds. Sabotinov, N., Mazhdrakov, M., Yilmaz, I., Marschalko, M. - Albena, Bulgaria : SGEM, 2012, p. 491-497. (2012 - WOS, SCOPUS). ISSN 1314-2704.
Ohlasy:
[1.2] BATTISTON, Suellen - RIGO, Caroline - DA CRUZ SEVERO, Eric - MAZUTTI, Marcio Antonio - KUHN, Raquel Cristine - GÜNDEL, André - FOLETTO, Edson Luiz. Synthesis of zinc aluminate (ZnAl_2O_4) Spinel and its application as photocatalyst. In Materials Research. ISSN 15161439, 2014-01-01, 17, 3, pp. 734-738., SCOPUS
- AEC03 FINDORÁKOVÁ, Lenka - ŠESTINOVÁ, Oľga - HANČULÁK, Jozef - ŠPALDON, Tomislav. Thermal analysis and mineralogical characterization of contaminated sediment in particle-size fractions from sludge bed Slovinky, eastern Slovakia. In *Ecology, Economics, Education and Legislation SGEM 2013 : proceedings from 13th International Multidisciplinary Scientific Geokonference SGEM 2013, 16-22 June, 2013, Albena Co. Bulgaria*. Volume I. Ecology and Environmental Protection. - Sofia, Bulgaria : STEF92 Technology Ltd., Andrey Lyapchev, Blvd 1797 Sofia, Bulgaria, 2013, p. 1093-1098. ISBN 978-619-7105-04-9. ISSN 1314-2704.

Ohlasy:

[1.2] FINDORÁK, Róbert - FRÖHLICHOVÁ, Mária - LEGEMZA, Jaroslav. The effect of saw-dust addition from pine and oak wood on iron-ore sintering performance. In International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM. ISSN 13142704, 2014-01-01, 3, 1, pp. 973-980., SCOPUS

[1.2] KOZAKOVA, Lubica - ZELENÁK, Miroslav - ZELENÁK, Fridrich. Evaluation of selected characteristics of the environmental load Slovinky. In International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM. ISSN 13142704, 2014-01-01, 2, 5, pp. 267-272., SCOPUS

[1.2] ZNAMENÁČKOVÁ, Ingrid - DOLINSKÁ, Silvia - LOVÁS, Michal - HREDZÁK, Slavomír - DIMITRAKIS, Georgios. Utilization of microwave radiation at the heating of magnesite. In Inżynieria Mineralna. ISSN 16404920, 2014-01-01, 15, 1, pp. 175-182., SCOPUS

AEC04 FUTÓ, Jozef - KREPELKA, František - IVANIČOVÁ, Lucia. Optimalization of rock cutting process using the simulation methods. In *ICCC 2011 : proceedings of the ICCC, Velké Karlovice, Ostrava ČR 25-28 MAY 2011*. 12 th. Eds. Babiuch M., Smutný P., Wagnerová R., Abraham A., Snasel V., Farana R. - Ostrava : VŠB Technically University of Ostrava, 2011, p. 124-126. ISBN 978-1-61284-359-9.

Ohlasy:

[1.1] LACIAK. M - KAČUR. J - DURDAN. M - FLEIGNER. P. Application of optimization method for optimal control of the steelmaking process. In Processings 15th International Carpathian Control Conference (ICCC)(eds. Petras, I., Podlubny, I., Kacur, J., Farana, R.), Velke Karlovice, Czech Republic, MAY 28-30, 2014, 296-300, WOS

[1.2] KUMIČÁKOVÁ. D - GÓRSKI. F - MILECKI. A - GRAJEWSKI. D. Utilization of advanced simulation methods for solving of assembly processes automation partial tasks. In Manufacturing Technology. ISSN 1213-2489, vol. 13, 2013, iss 4, pp. 478-486, SCOPUS

[1.2] LACIAK. M - KAČUR. J - DURDAN. M - FLEIGNER. P. System of indirect measurement temperature of melt with adaptation module. In Proceedings of the 2015 16th International Carpathian Control Conference, ICC 2015. ISBN 978-147997370-5, 30 June 2015, Article number 7145088, pp. 277-281, SCOPUS

AEC05 FUTÓ, Jozef - IVANIČOVÁ, Lucia - KREPELKA, František - LABAŠ, Milan - MIKLÚŠOVÁ, Viera. Simulation of Optimal Control of Rock Drilling Process in Laboratory Conditions. In *Modern Management of Mine Producing, Geology and Environmental Protection : proceedings from 11th International Multidisciplinary Scientific GeoConference (Albena: 20-25 June 2011)*. Eds. N., Sabotinov, M., Mazhdraikov. - Albena (Bulgaria) : SGEM, 2011, p. 933-940. ISSN 1314-2704.

Ohlasy:

[1.1] LESSO. I - FLEIGNER. P - FERIANCIKOVA. K. Hilbert spaces as a specific instrument for process control. In Proceedings of the 2012 13th International Carpathian Control Conference, ICC 2012. ISBN 978-145771868-7, 2012, Article number 6228682, pp. 430-435, SCOPUS

- AEC06 HANČULÁK, Jozef - KURBEL, Tomáš - FINDORÁKOVÁ, Lenka - ŠPALDON, Tomislav - ŠESTINOVÁ, Oľga. Comparison of Selected Components of Atmospheric Deposition in the Areas Kosice and Krompachy (Slovakia). In International Multidisciplinary Scientific Geoconference. *Energy and Clean Technologies SGEM 2013 : proceedings from 13th International Multidisciplinary Scientific Geoconference 16-22 June, 2013, Bulgaria, Albena*. Renewable Energy Sources and Clean Technologies, Recycling, Air Pollution and Climate Change. - Sofia, Bulgaria : STEF92 Technology Ltd., 1 Andrey Lyapchev, Blvd, 1797 Sofia, Bulgaria, 2013, p. 601-608. ISBN 978-619-7105-03-2. ISSN 1314-2704.
Ohlasy:
[1.2] JALČOVÁ, M. - DVOROŽŇÁKOVÁ, E. Effect of heavy metal intoxication on macrophage metabolic activity of mice infected with *Ascaris suum*. In *Helminthologia* (Poland). ISSN 04406605, 2014-01-01, 51, 3, pp. 171-180., SCOPUS
- AEC07 HANČULÁK, Jozef - ŠESTINOVÁ, Oľga - ŠPALDON, Tomislav - FINDORÁKOVÁ, Lenka - KURBEL, Tomáš. Influence of the copper smeltery in Krompachy (Slovakia) on atmospheric deposition of heavy metals. In *Modern Management of Mine Producing, Geology and Environmental Protection SGEM 2012 : proceedings from 12th International Multidisciplinary Scientific GeoConference, 17-23, June, 2012 Bulgaria, Albena*. Volume IV. Air Pollution and Climate Change. Eds. Sabotinov, N., Mazdrakov, M., Yilmaz, I., Marschalko, M. - Albena, Bulgaria : SGEM, 2012, p. 339-346. ISSN 1314-2704.
Ohlasy:
[1.1] JALCOVA, M. - DVOROZNAKOVA, E. Effect of heavy metal intoxication on macrophage metabolic activity of mice infected with *Ascaris suum*. In *HELMINTHOLOGIA*. ISSN 0440-6605, 2014, vol. 51, no. 3, pp. 171., WOS
- AEC08 KOVÁČOVÁ, Milota - LOVÁS, Michal - JAKABSKÝ, Štefan - ROMERO, Maximina - RINCON, Jesus Ma. Microwave verification of model heavy metals carries from wastewaters treatment. In *Scientific basis for nuclear waste management XXXIII : MRS Symposium proceedings*. volume 1193. Eds. Boris E. Burakov, Albert S. Aloy. - Materials research society, 2009, p. 323-327. ISBN 978-160511166-7.
Ohlasy:
[3.1] BOROWSKI, G. - SZULYZK-CIEPLAK, J. Zeszkliwienie jako sposób neutralizacji odpadów niebezpiecznych, In Conference: Inżynieria bezpieczeństwa a zagrożenia cywilizacyjne. Zmienność zagrożeń a innowacje w ratownictwie, Częstochowa, Poland (2014).
- AEC09 KRIŠŤÁKOVÁ, Zuzana - KUPKOVÁ, Miriam. Correlation of fractal surface description parameters with fracture toughness. In *Fractals and Dynamic Systems in Geoscience*. Ed. Kruhl J.H. - Berlin : Springer Verlag, 1994, p. 77-85.
Ohlasy:
[1.1] KRUHL, Joern H. Fractal-geometry techniques in the quantification of complex rock structures: A special view on scaling regimes, inhomogeneity and anisotropy. In *JOURNAL OF STRUCTURAL GEOLOGY*. ISSN 0191-8141, 2013, vol. 46, no., pp. 2., WOS

- AEC10 KUŠNIEROVÁ, Mária - PRAŠČÁKOVÁ, Mária - FEČKO, Peter - ČABLÍK, Vladimír. The waste less technology of the energetic black coal fly ashes treatment and utilization. In *Modern Management of Mine Producing, Geology and Environmental Protection : proceedings from 11th International Multidisciplinary Scientific GeoConference (Albena: 20-25 June 2011)*. Eds. N., Sabotinov, M., Mazhdrakov. - Albena (Bulgaria) : SGEM, 2011, p. 909-916. ISSN 1314-2704.
Ohlasy:
[1.2] MICHALÍKOVÁ, F. - BREZÁNI, I. - SISOL, M. - DRABOVÁ, M. - MOSEJ, J. Properties of fluid ashes and their utilizability. In *Inzynieria Mineralna - Journal of the Polish Mineral Engineering Society*, Vol. 14 (2013), No. 2, p. 99-104, SCOPUS
- AEC11 LAZAROVÁ, Edita - KRÚPA, Vítázoslav. Assessment of utilization of TBM in excavation of exploratory adits in Slovakia. In *43 rd International October Conference on Mining and Matallurgy : proceedings IOC 2011, Kladovo, Serbia October 12 - 15, 2011*. Eds. D., Markovič, D., Živkovič, S., Nestorovič. - University of Belgrade - Technical Faculty in Bor, Serbia, 2011, p. 163-167. ISBN 978-86-80987-87-3.
Ohlasy:
[1.1] LABAŠ, M. - IVANIČOVÁ, L. Comparison of testing methods for rock abrasiveness. In *International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management*, SGEM, 2013, p. 325-332, WOS
- AEC12 LUPTÁKOVÁ, Alena - MAČINGOVÁ, Eva - ŠLESÁROVÁ, Andrea - UBALDINI, Stefano - ABBRUZZESE, Carlo. Solubilization and immobilization of toxic metals by bacteria. In *Water in Mining Environments : International Mine Water Association Symposium*. Eds. R. Cidu, F. Frau. - Università degli Studi di Cagliari, Italy : Mako Edizioni, 2007, p. 437-439. ISBN 978-88-902955-0-8-330.
Ohlasy:
[1.1] KUSNIEROVA, Maria - PRASCAKOVA, Maria - NOWAK, Anna K. - GORAZDA, Katarzyna - WZOREK, Zbigniew. Biogenic catalysis in sulphide minerals' weathering processes and acid mine drainage genesis. In *ACTA BIOCHIMICA POLONICA*. ISSN 0001-527X, 2014, vol. 61, no. 1, p. 33-39., WOS
- AEC13 MAČINGOVÁ, Eva - LUPTÁKOVÁ, Alena - SCHÜTZ, Tomáš. Sulphates removal from acid mine drainage. In *Modern Management of Mine Producing, Geology and Environmental Protection SGEM 2012 : proceedings from 12th International Multidisciplinary Scientific GeoConference, 17-23, June, 2012 Bulgaria, Albena*. Volume V. Ecology and Environmental protection. Eds. Sabotinov, N., Mazhdrakov, M., Yilmaz, I., Marschalko, M. - Albena, Bulgaria : SGEM, 2012, p. 825-831. ISSN 1314-2704.
Ohlasy:
[1.2] ŠESTINOVÁ, O. - FINDORÁKOVÁ, L. - HAN ČULÁK, J. - ŠPALDON, T. Mercury toxicity of sediments in mining-effected area Rudňany (Slovakia). In *14th GeoConference on Ecology, Economics, Education and Legislation: proceedings from International Multidisciplinary scientific GeoConferences 17-26 June 2014. Ecology and Environmental protection*. - Sofia, Bulgaria: STEF92 Technology Ltd., Andrey Lypchev Blvd., 1797 Sofia,

Bulgaria, 2014, p. 437-444, SCOPUS

[1.2] ŠPALDON, T. - KUPKA, D. - HANČULÁK, J. - ŠESTINOVÁ, O. - FINDORÁKOVÁ, L. Comparing of sulphates removing from real mine water and model solution using barium salts. In Proc. 14th International Multidisciplinary Scientific GeoConference and EXPO, SGEM 2014, Albena, Bulgaria, 17-26 June 2014, vol. 2 (2014), iss. 5, p.139-146., SCOPUS

[3.1] ŠESTINOVÁ, O - FINDORÁKOVÁ, L. - DOLINSKÁ, S. - HANČULÁK, J. - ŠPALDON, T. - KURBEL, T. Earthworms as a Tool of Toxicity Determination of Sediment Polluted by Mining Activity on the Territory of Eastern Slovakia. In Biotechnology & Metals 2014: 3rd International Conference, Sept. 17-19, 2014 Košice [elektronický zdroj]. Eds. Kaduková, J., Luptáková, A., Velgosová, O. - Košice: Faculty of Metallurgy of Technical University in Košice Institute of Geotechnics of Slovak Academy of Science, 2014, 89-95.

- AEC14 ŠESTINOVÁ, Oľga - HANČULÁK, Jozef - FINDORÁKOVÁ, Lenka - ŠPALDON, Tomislav - KURBEL, Tomáš. Analytical methods for the determination of copper and matallurgy in sediments. In *Modern Management of Mine Producing, Geology and Environmental Protection SGEM 2012 : proceedings from 12th International Multidisciplinary Scientific GeoConference, 17-23, June, 2012 Bulgaria, Albena*. Volume V. Ecology and Environmental Protection. Eds. Sabotinov, N., Mazhdrakov, M., Yilmaz, I., Marschalko, M. - Albena, Bulgaria : SGEM, 2012, p. 51-58. ISSN 1314-2704.

Ohlasy:

[1.2] ZNAMENAČKOVÁ, I. - DOLINSKÁ, S. - LOVÁS, M. - HREDZÁK, S. - DIMITRAKIS, G. Utilization of microwave radiation at the heating of magnesite. In *Inzynieria Mineralna*. ISSN 1640-4920, vol15, 2014, iss.1, p.175-182, SCOPUS

- AEC15 ŠTEFUŠOVÁ, Katarína - VÁCLAVÍKOVÁ, Miroslava - GALLIOS, G.P. - JAKABSKÝ, Štefan - KOZÁKOVÁ, Ivana - IVANIČOVÁ, Lucia - GEŠPEROVÁ, Danka. Sorption of arsenic on synthetic akaganeite. In *11 th Conference on Environment and Mineral Processing : zborník prednášok z medzinárodnej konferencie VŠB - TU Ostrava ČR konanej 31.5-2.6.2007*. Part II. Eds. Fečko P., Čablík V. - Ostrava : Pulishing services department, VŠB - Technical University, 2007, p. 71-74. ISBN 978-80-248-1278-6.

Ohlasy:

[1.2] BAKALÁR, T. - PAVOLOVÁ, H. - BÚGEL, M. Influence of NaNO₃ and NaCl on copper removal from aqueous solutions by natural zeolite. In *Advanced Science Letters* 19 (2013), Issue 1, p. 325-328., SCOPUS

AECA Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks

- AECA01 ŠTYRIAKOVÁ, Iveta - ŠTYRIAK, Igor - KUŠNIEROVÁ, Mária. The release of sulphic minerals from aluminosilicates by Bacillus strains. In *Process Metallurgy : proceedings of the International Biohydrometallurgy Symposium, 20-23 june 1999, San Lorenzo de El Escorial, Madrid, Spain*. 9A. Biohydrometallurgy and the Environment Toward the Mining of the 21 Century. - Madrid : Elsevier, 1999, vol. 9A, p. 587-596. ISBN 978-0-444-50193-6.

Ohlasy:

[1.1] SINGH, S. - SUKLA, L.B. - MISHRA, B.K. Extraction of Cooper from Malanjkhand Low-Grade Ore by Bacills strearothermophilus. In INDIAN JOURNAL OF MICROBIOLOGY. 2011, vol. 51, p. 477-481, WOS

AED Scientific papers in domestic peer-reviewed proceedings, monographs

AED01 KRÚPA, Vítazoslav - LAZAROVÁ, Edita. Efektívnosť profilového razenia. In *Geotechnika 2008, : zborník prednášok z medzinárodnej konferencie, Vysoké Tatry - Podbánske, Hotel Permon, 10.-12.9.2008*. Konštrukcie, technologie amonitoring. - Stupava : ORGWARE, 2008, p. 275-279. ISBN 978-80-248-1850-4.

Ohlasy:

[1.1] LABAŠ, M. - IVANIČOVÁ, L. Comparison of testing methods for rock abrasiveness. In International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2013, p. 325-332., WOS

AEGA Abstracts of scientific papers published in foreign impacted journals registered in Current Contents Connect

AEGA01 KUŠNIEROVÁ, Mária - PRAŠČÁKOVÁ, Mária - FEČKO, Peter - JANÁTKOVÁ, Iva. Chemical and biological desulphurization of boiler coal. In *Journal of Biotechnology*, 2010, vol. 150, suppl. 1, p. 252. (2.881 - IF2009). (2010 - Current Contents). ISSN 0168-1656.

Ohlasy:

[1.1] GUAN, Jian - XIAO, Yuan - SONG, Jimin - MIAO, Junhe. A typical flat-panel membrane bioreactor with a composite membrane for sulfur removal. In FRONTIERS OF EARTH SCIENCE. ISSN 2095-0195, 2014, vol. 8, no. 1, pp. 142., WOS

AEMA Abstracts of scientific papers published in foreign impacted journals registered in Web of Science Core Collection or Scopus

AEMA01 ŠEPELÁK, Vladimír - ROGACHEV, A.Y. - STEINKE, U. - UECKER, D.C. - WISSMANN, S. - BECKER, Klaus Dieter. Structure of nanocrystalline spinel-ferrite produced by high-energy ball-milling method. In *Acta Crystallographica A*, 1996, vol. A52 Suppl., c-367. ISSN 0108-7673.

Ohlasy:

[1.1] ABBAS, Y.M. - MANSOUR, S.A. - IBRAHIM, M.H. - ALI, S.E. Microstructure characterization and cation distribution of nanocrystalline cobalt ferrite. In *Journal of Magnetism and Magnetic Materials* 323 (2011) 2748, WOS

[1.1] ABBAS, Y. M. - MANSOUR, S. A. - IBRAHIM, M. H. - ALI, Shehab. E. Structural and magnetic properties of nanocrystalline stannic substituted cobalt ferrite. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2012, vol. 324, no. 18, pp. 2781., WOS

[1.1] GURAV, S. K. - SHIRSATH, Sagar E. - KADAM, R. H. - PATANGE, S. M. - LOHAR, K. S. - MANE, D. R. Less magnetic and larger Zr⁴⁺-Zn²⁺ ions co-substituted structural and magnetic properties of ordered Li_{0.5}Fe_{2.5}O₄ nanoparticles. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2013, vol. 48, no. 9, pp. 3530., WOS

AFA Published invited papers from foreign scientific conferences

- AFA01 FLOREK, Ivan - LABUN, J. - ZNAMENÁČKOVÁ, Ingrid - LOVÁS, Michal. The measurement of complex electric permittivity of fine grained minerals at microwave frequencies. In *International Microwave Power Symposium : proceedings of the 31st, Symposium in Boston, MA, USA, July 28 – 31, 1996..* - Boston, MA, USA, 1996, p.155-158. ISSN 1070-0129.

Ohlasy:

- [1.1] CHELGANI, S.C. - JORJANI, E. Microwave irradiation pretreatment and peroxyacetic acid desulfurization of coal and application of GRNN simultaneous predictor. In *Fuel*, Vol. 90 (2011), Issue 11, 3156-3163, WOS

AFC Published papers from foreign scientific conferences

- AFC01 BALÁŽ, Peter - ACHIMOVICHOVÁ, Marcela - SANCHEZ, M. Selective leaching of arsenic from mechanically activated enargite. In *Environment & Innovation in the Mining and Mineral Technology : proceedings of the 4th International Conference on CleanTechnologies for the Mining Industry, 1998 Santiago, Chile*. Eds. Sanchez, M.A., Vergara, R., Castro, S.H. - Santiago, Chile, 1998, p. 297-303. ISBN 956-227-158-7.

Ohlasy:

- [1.1] SAFARZADEH, M.S. - MOATS, M.S. - MILLER, J.D. Recent Trends in the Processing of Enargite Concentrates. In *Mineral Processing and Extractive Metallurgy Review*, 2014, vol. 35, p.283-367., WOS
- [3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In *Rudy i Metale Nieżelazne Recykling*, R. 59 (2014), nr. 3, 122-126.

- AFC02 BALÁŽ, Peter - FICERIOVÁ, Jana - BOLDIŽÁROVÁ, Eva - HÁBER, Milan - JELEŇ, Stanislav - KAMMEL, R. Thiosulfate leaching of gold from a mechanochemically pretreated complex sulfide concentrate. In MASSACCI, P. *Proceedings of the XXI International Mineral Processing Congress, Vol. A.* - [S.l.] : Elsevier, p. 74-81.

Ohlasy:

- [1.1] GORDON, J.J.K. - ASIAM, E.K. Influence of mechano-chemical activation on biooxidation of auriferous sulphides. In *Hydrometallurgy*, Vol. 115 (2012), 77-83, WOS

- AFC03 FLOREK, Ivan - ČERNÝ, Vladimír. Intensification of the Magnetic Separation of Fine Chalcopyrite Ores by Means of Irradiation by Electrons. In *First International Conference on Modern Process Mineralogy and Mineral Processing : Proceedings of the First International Conference 1992, September 22-25, Beijing, China*. Wong Dianzuo. - Beijing, China : Int. Academic publ., Beijing, China, p. 358-362.

Ohlasy:

- [1.1] WANG, H.F. - LU, S.C. Modifying Effect of Electron Beam Irradiation on Magnetic Property of Iron-Bearing Minerals. In *Physicochemical Problems of Mineral Processing*, vol. 50 (2014), iss. 1, 79-86, WOS

- AFC04 FLOREK, Ivan - LOVÁS, Michal - ZNAMENÁČKOVÁ, Ingrid. The effect of microwave radiation on magnetic properties of grained iron containing minerals. In *International Microwave Power Symposium : proceedings of the 31st, Symposium in*

Boston, MA, USA, July 28 – 31, 1996.. - Boston, MA, USA, 1996, p. 152-154. ISSN 1070-0129.

Ohlasy:

[1.1] OMRAN, M. - FABRITIUS, T. - ELMANDY, A.M. - ABDEL-KHALEK, N.A. - EL-AREF, M. - ELMANAWI A.E. Effect of microwave pre-treatment on the magnetic properties of iron ore and its implications on magnetic separation. In *Separation and Purification Technology*, vol. 136 (2014), p. 223-232, WOS

[1.1] ROYAEI, M.M. - JORJANI, E. - CHEHREH CHELGANI, S. Combination of Microwave and Ultrasonic Irradiations as a Pretreatment Method to Produce Ultraclean Coal. In *International Journal of Coal Preparation and Utilization*, Vol. 32 (2012), Issue 3, 143-155, WOS

[1.1] BARANI, K. - KOLEINI, S.M.J. - REZAEI, B. Magnetic properties of an iron ore sample after microwave heating. In *Separation and Purification Technology*, Vol. 76 (2011), Issue 3, 331- 336., WOS

[1.2] AGACAYAK, T. Effect of microwave heating on magnetic separation: Kesikköprü magnetite deposits in Ankara, Central Turkey. In *Scientific Research and Essays*, Vol. 6 (2011), Issue 8, 1856-1864., SCOPUS

[3] CAO, W. (ed.) *The Development and Application of Microwave Heating*, ISBN 978-953-51- 0835-1, InTech, November 7, 2012

[3] JAVAD KOLEINI, S.M. - BARANI, K. Microwave Heating Applications in Mineral Processing (Chapter 4). In *The Development and Application of Microwave Heating*, InTech. 2012, p. 79-104.

AFC05 FUTÓ, Jozef - KREPELKA, František - IVANIČOVÁ, Lucia. Possibilities of optimization of small-diameter diamond drilling process using the accessory acoustic signal. In *International Symposium on Earth Science and Technology 2008 : proceedings*. Eds. Matsui, K. - Jinno, K. - Itoi, R. - Sasaki, K. - Japan : Kyushu University, p. 621-628. ISBN 978-4-9902356-9-7.

Ohlasy:

[2.1] MIKLÚŠOVÁ, V. Selected characteristics of vibration signal at a minimal energy consumption for the rock disintegration. In *ACTA MONTANISTICA SLOVACA*. 2011, vol. 16, iss. 3, p. 209-215

AFC06 FUTÓ, Jozef - IVANIČOVÁ, Lucia - KREPELKA, František. Statistical evaluation of reliability of disc roller bits on tunnel boring machines. In *XXXIV. Seminar ASR '2009 "Instruments and Control"*. Smutný, P. - Babiuch, M. - Škutová, J. - Ostrava : VŠB-TUO, Strojní fakulta, 2009, p. 61-69. ISBN 978-80-248-1953-2.

Ohlasy:

[1.2] HOROVČÁK, P. - TERPÁK, J. - DORČÁK, L. Processes modelling, web service, and client technologies. In *12th International Multidisciplinary Scientific GeoConference and EXPO - Modern Management of Mine Producing, Geology and Environmental Protection, SGEM 2012, Bulgaria*, 213-218, SCOPUS

AFC07 KRÚPA, Vítazoslav - KREPELKA, František - SEKULA, Felix - KRIŠŤÁKOVÁ, Zuzana. Specific energy as information source about strength properties of rock mass using TBM. In *International symposium on geotechnical engineering of hard soils - soft rocks. Athens 20-23 sept. 1993 : proceedings*. Vol. 2. Anagnostopoulos, A., Schlosser, F., Kalteziotis, N., Frank, R., p. 1475.

Ohlasy:

[1.1] YASAR, E. - RANJITH, P. G. - VIETE, D. R. An experimental investigation into the drilling and physico-mechanical properties of a rock-like brittle material. In JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING. ISSN 0920-4105, 2011, vol. 76, no. 3-4, pp. 185., WOS

- AFC08 KRÚPA, Vítazoslav - KREPELKA, František - BEJDA, Ján - IMRICH, Peter. The cutting constant of the rock does not depend on scale effect of rock mass jointing. In *Scale Effects in Rock Masses 93 : proceedings of the Second International Workshop on Scale Effects in Rock Masses, Lisboa, Portugal, 25 June 1993*. Ed. Cunha, A.P.D. - Lisboa, Portugal, 1993, p. 63. ISBN 13: 978-9054103226.

Ohlasy:

[3.1] NGEREBARA, O.D. - YOUDEOWEI, P. Correlation of Mechanical Properties of Some Rocks in South-Eastern Nigeria. In International Journal of Scientific and Research Publications, vol. 4 (2014), iss. 2, p. 1-6., 3.1

- AFC09 KUŠNIEROVÁ, Mária - ŠTYRIAKOVÁ, Iveta. The extraction of titanium and iron energy fly-ashes using bacteria of Bacillus genus. In *New trends in mineral processing : Proceeding of 24. 6.-26. 6. 1999, VSB-TU, Ostrava*. III. - VSB-TU, Ostrava, 1999, p. 205-208. ISBN 10: 8070786701.

Ohlasy:

[3] FRYZOVÁ R. Fázové složení elektrárenských popílků: kvantitativní stanovení vybraných minerálů. Diplomová práce Masarykova univerzita, Přírodovědecká fakulta, Ústav geologických věd, Brno, (2012)

- AFC10 LODEWYCKX, Peter - RAYMUNDO-PIÑERO, Encarnación - WULLENS, H. - VÁCLAVÍKOVÁ, Miroslava - BEGUIN, F. Water Isotherms of Structurally Identical Carbons with Different Amounts of Surface Oxygen Groups. In *Proceedings of the International Carbon Conference : International Conference on CARBON 13-18-July 2008*. Volume 1 of 3. - Nagano, Japan, 2008, p. 539-544. ISBN 978-1-61738-193-5.

Ohlasy:

[1.1] THOMMES, M. - MORELL, J. - CYCHOSZ, K.A. - FROEBA, M. Combining Nitrogen, Argon, and Water Adsorption for Advanced Characterization of Ordered Mesoporous Carbons (CMKs) and Periodic Mesoporous Organosilicas (PMOs). In Langmuir, vol. 29 (2013), iss. 48, p. 14893-14902, WOS

- AFC11 LUPTÁKOVÁ, Alena - GEŠPEROVÁ, Danka - KUPKA, Daniel. The selective chemical - biological precipitation of Cu and Cd from solutions. In *6th Conference on Environment and Mineral Processing : proceedings of conference, Ostrava, 27.-29.6.2002*. Part II. Ed. Fečko P. - VŠB Ostrava, 2002, p. 557-561. ISBN 80-248-0072-1.

Ohlasy:

[1.1] PANDHIJA, S. - RAI, N.K. - PATHAK, A.K. - RAI, A.K. - CHOUDHARY, A.K. Calibration Curve with Improved Limit of Detection for Cadmium in Soil: An Approach to Minimize the Matrix Effect in Laser-Induced Breakdown Spectroscopic Analysis. In SPECTROSCOPY LETTERS. ISSN 0038-7010, SEP 14 2014, vol. 47, no. 8, p. 579-589., WOS

- AFC12 MAČINGOVÁ, Eva - LUPTÁKOVÁ, Alena. Remediation of acid mine drainage by selective sequential precipitation. In *13th Conference on Environment and Mineral Processing*. Part II. - Ostrava, 2009, p. 59-63. ISBN 978-80-248-1195-2.
Ohlasy:
[1.1] MICHÁLKOVÁ, E. - SCHWARZ, M. - PULÍŠOVÁ, P. - MÁŠA, B. - SUDOVSKÝ, P. Metals Recovery from Acid Mine Drainage and Possibilities for their Utilization. In *Polish Journal of Environmental Studies*, Vol. 22 (2013), Issue 4, p. 1111-1118, WOS
- AFC13 PRAŠČÁKOVÁ, Mária - KUŠNIEROVÁ, Mária - ŠIMONOVICHOVÁ, Alexandra - FEČKO, Peter. Application of Biologically Activated Brown Coal in Cu(II) Sorption. In *Annual International Pittsburgh Coal Conference : Grand Cube Osaka, Osaka, Japan, 13-17 september 2004*. 21st. - Osaka, Japan, 2004. ISBN 1-890977-21-7.
Ohlasy:
[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s
- AFC14 SLANČO, Pavel - BOBRO, Milan - HANČULÁK, Jozef. Dustiness risk in the mine of Nižná Slaná. In *9th Conference on Environment and Mineral Processing proceedings of conference*, : Ostrava, 23.-25.6.2005. Part II. Ed. Fečko Peter. - VŠB – Technical University of Ostrava : Publishing services department, 2005, p.189-194. ISBN 80-248-0787-4.
Ohlasy:
[3.1] ŠUPAL, P. Těžba zlata. Diplomová práce. Právnická fakulta Masarykovy univerzity, Obor Právo. Katedra práva životního prostředí a pozemkového práva, Vřesina – Brno, 2013/2014, 104 s
- AFC15 TURIANICOVÁ, Erika - BALÁŽ, Peter. CO2 capture by mechanochemical carbonation of olivine. In *Accelerated carbonation for environmental and materials engineering : proceedings of 3rd international conference, Turku, 29. nov.-1. december 2010*. - Turku, Finland : Abo Akademi University, 2010, p. 333-337. ISBN 978-952-12-2505-5.
Ohlasy:
[1.1] OLAJIRE, A.A. A review of mineral carbonation technology in sequestration of CO2. In *Journal of Petroleum Science and Engineering*, Vol. 109 (2013), p. 364-392, WOS

AFD Published papers from domestic scientific conferences

- AFD01 DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária - VEREŠ, Ján. Sorpcia ťažkých kovov na kompozitných materiáloch bentonit-maghemit. In *HREDZÁK, Slavomír. Situácia v ekologicky zaťažených regiónoch Slovenska a strednej Európy : zborník prednášok z XVII. vedeckého sympózia s medzinárodnou účasťou, Hrádok, 23.-24. október 2008*. - Košice : Slovenská banícka spoločnosť pri ZSVTS, Základná organizácia pri Ústave geotechniky SAV, Košice, 2008, s. 63-66. ISBN 978-80-970034-0-9.

Ohlasy:

[1.1] GALAMBOS, M. - ROSSKOPFOVÁ, O. - KUFČÁKOVÁ, J. - RAJEC, P. Utilization of Slovak bentonites in deposition of high-level radioactive waste and spent nuclear fuel. In *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 288 (2011), Issue 3, 765-777, WOS

[1.1] GALAMBOŠ, M. - SUCHÁNEK, P. - ROSSKOPFOVÁ, O. Sorption of anthropogenic radionuclides on natural and synthetic inorganic sorbents. In *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 293 (2012), Issue 2, 613-633, WOS

AFD02 KREPELKA, František - LABAŠ, Milan - MIKLÚŠOVÁ, Viera. Vlastnosti vibračného signálu v závislosti od konštrukcie rozpojovacieho nástroja. In *Geotechnika 2008, : zborník prednášok z medzinárodnej konferencie, Vysoké Tatry - Podbánske, Hotel Permon, 10.-12.9.2008*. Konštrukcie, technológie a monitoring. - Stupava : ORGWARE, 2008, p. 415-420. ISBN 978-80-248-1850-4.

Ohlasy:

[1.2] FERIANČIKOVÁ, K. - LEŠŠO, I. - LAZAROVÁ, E. - KRÚPA, V. - IVANIČOVÁ, L. Abstract spaces as alternative method of data processing acquired from underground engineering, In 14th International Multidisciplinary Scientific Geoconference and EXPO, SGEM 2014, Albena, Bulgaria, 17-26 June 2014, vol. 2, iss. 1, p.17-24., SCOPUS

AFD03 ŠESTINOVÁ, Oľga - BREHUV, Ján - ŠPALDON, Tomislav. Hodnotenie mobility ťažkých kovov v sedimentoch z povodia rieky Hnilec pomocou sekvenčnej extrakcie. In *Sedimenty vodných tokov a nádrží : zborník prednášok s medzinárodnou účasťou konanej v Bratislave 13.-14. mája 2009*. Ed. Hucko, P. - Bratislava : Sl. vodohospodárska spoločnosť ZSVTS pri Výskumnom ústave vodného hospodárstva Bratislava, 2009, s. 169-176. ISBN 978-80-89062-61-4.

Ohlasy:

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s

AFDA Published papers from international scientific conferences in Slovakia

AFDA01 BEKÉNYIOVÁ, Alexandra - ŠTYRIAKOVÁ, Iveta - DAKOS, Zuzana.

Possibility of using quartz sands in sorption of heavy metals. In *Biotechnology & Metals 2009 : 1st International conference, Košice 24 - 25 sept.*. Eds. Kaduková, J. - Luptáková, A. - Praščáková, M. - Horváthová, H. - Košice : Technická univerzita a ÚGt pri SAV, 2009, p. 7-10. ISBN 978-80-553-0236-2.

Ohlasy:

[4] DANKOVÁ, Z. - SCHÜTZ, T. - DOLINSKÁ, S. - HUDEC, P. - ZORKOVSKÁ, A. - MOCKOVČIAKOVÁ, A. Povrchové vlastnosti zmesi natrifikovaného bentonitu a kremenného piesku. In *Prírodné a syntetické zeolity na Slovensku: zborník príspevkov, 5. odborný seminár Slovenskej spoločnosti priemyselnej chémie pri FCHPT - STU, Bratislava 18.6.2013 [elektronický zdroj]*. - STU Bratislava : SZVTS, 2013, s. 150-158

AFDA02 DAKOS, Zuzana - KUPKA, Daniel - KOVAŘÍK, Michal - JABLONOVSKÁ, Katarína. Formation of ochreous precipitates in mining area Smolník. In *Biotechnology & Metals 2011 : Košice - September 22-23, 2011, 2nd International*

Conference, Slovakia. Ed. Alena Luptáková, Jana Kaduková, Hedviga Horváthová, Mária Praščáková. - Košice : Equilibria, 2011, p. 9-12. ISBN 978-80-553-0723-7.

Ohlasy:

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s.

AFDA03 KUPKA, Daniel - DAKOS, Zuzana. Bakteriálna oxidácia a redukcia železa v spojení s tvorbou a transformáciou sekundárnych Fe- minerálov v recipientoch kyslých banských vôd. In *Hydrogeochemia '09 : Aktuálne trendy v hydrogeochemii*, s. 75-81. ISBN 978-80-9693-42-5-6.

Ohlasy:

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s

AFDB Published papers from domestic scientific conferences

AFDB01 BEKÉNYIOVÁ, Alexandra - LUKČOVÁ, Mária - ŠTYRIAKOVÁ, Iveta. Comparison of biotic and abiotic sorption of copper by humic acid, brown coal and quartz sand. In *Situácia v ekologicky zaťažených regiónoch Slovenska a strednej Európy : Zborník. XVIII. vedecké sympóziu s medzinárodnou účasťou, Hrádok, 22.-23. október 2009*. - Košice : Slovenská banícka spoločnosť pri ZSVTS, 2009, s. 184-187. ISBN 978-80-970034-1-8.

Ohlasy:

[4] DANKOVÁ, Z. - SCHÜTZ, T. - DOLINSKÁ, S. - HUDEC, P. - ZORKOVSKÁ, A. - MOCKOVČIAKOVÁ, A. Povrchové vlastnosti zmesi natrifikovaného bentonitu a kremenného piesku. In *Prírodné a syntetické zeolity na Slovensku: zborník príspevkov, 5. odborný seminár Slovenskej spoločnosti priemyselnej chémie pri FCHPT - STU, Bratislava 18.6.2013 [elektronický zdroj]*. - STU Bratislava: SZVTS, 2013, s. 150-158

AFDB02 BLÁŠKOVÁ, Jana - OROSZOVÁ, Lenka - VOJTEKOVÁ, V. - ŠESTINOVÁ, Oľga - NOVÁKOVÁ, Jarmila - HREHOROVÁ, Denisa - HOLÉCZYOVÁ, Gabriela - ABUSENAINA, A.M.M. Sonoextračná izolácia biopristupných podielov olova a arzénu. In *Využitie experimentálnych metód pri ochrane a podpore zdravia obyvateľstva. 6. - 8. septembra 2010, LF UPJŠ Košice : zborník príspevkov z II. vedeckej konferencie*. Ed. Holéczyová, G., Ivan, J. - Košice : UPJŠ, 2010, s. 265-270. ISBN 978-80-7097-846-7.

Ohlasy:

[1.2] FINDORAKOVA, L. - ZORKOVSKA, A. - HANČULAK, J - ŠALDON, T. XRPD, FTIR investigation and thermal decomposition kinetics of polluted sediment from sludge bed Rudňany (Eastern Slovakia). In 14th International Multidisciplinary Scientific GeoConference, Albena, Bulgaria. ISSN 1314 2704, vol. I., 2014, p. 821-828, SCOPUS

AFDB03 BREHUV, Ján - ŠPALDON, Tomislav - ŠESTINOVÁ, Oľga - SLANČO, Pavel - HANČULÁK, Jozef. Vplyv banských záťaží na obsah vybraných prvkov v nánosoch z povodia rieky Hnilec. In *Recyklace odpadu XI.. Part I*. Eds. Fečko Peter, Čablík Vladimír. - Ostava ČR : Ediční středisko VŠB-TU, 2007, p. 197-205. ISBN 978-80-248-1597-8.

Ohlasy:

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s

- AFDB04 DOLINSKÁ, Silvia - REHÁKOVÁ, Mária - ŠESTINOVÁ, Oľga - FORTUNOVÁ, Ľubica. Influence of natural zeolite to the quality of contaminated soils and sediments in industrial localities. In *Biotechnology & Metals 2009 : 1st International conference, Košice 24 - 25 sept.*. Eds. Kaduková, J. - Luptáková, A. - Praščáková, M. - Horváthová, H. - Košice : Technická univerzita a ÚGt pri SAV, 2009, p. 15-18. ISBN 978-80-553-0236-2.

Ohlasy:

[1.2] FINDORÁKOVÁ, L. - ZORKOVSKÁ, A. - HANČULÁK, J. - ŠPALDON, T. XRPD, FTIR investigation and thermal decomposition kinetics of polluted sediment from sludge bed Rudňany (Eastern Slovakia). In 14th International Multidisciplinary Scientific Geokonference, Albena, Bulgaria. vol. I. Ecology and Environmental Protection, SGEM 2014, p.821-828., SCOPUS

- AFDB05 ŠESTINOVÁ, Oľga - HANČULÁK, Jozef - BREHUV, Ján - ŠPALDON, Tomislav - FEDOROVÁ, Erika - MACKOVÝCH, Daniela. Bioprípustnosť prvkových kontaminantov v sedimentoch z vodného diela Ružín I. In *Situácia v ekologicky zaťažených regiónoch Slovenska a strednej Európy : Zborník. XVIII. vedecké sympóziu s medzinárodnou účasťou, Hrádok, 22.-23. október 2009.* - Košice : Slovenská banícka spoločnosť pri ZSVTS, 2009, s. 67-70. ISBN 978-80-970034-1-8.

Ohlasy:

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s.

AFF Abstracts of invited papers from foreign conferences

- AFF01 BALÁŽ, Peter - KAMMEL, R. - KUŠNIEROVÁ, Mária - ACHIMOVICHOVÁ, Marcela. Mechano-chemical treatment of tetrahedrite as a new non-polluting method of metals recovery. In *International symposium 'Hydrometallurgy '94' : Cambridge, England, 11-15 July, 1994*, p. 209-218.

Ohlasy:

[3] NYAMDELGER, SH - BURMAA, G. - NARANGARAV, T. - ARIUNAA, G. Dissolution behaviour of freibergite-tetrahedrite concentrate in acidic dichromate solution. In *Mongolian Journal of Chemistry* 14 (40), 2013, p. 36-40

[3.1] SMINČÁKOVÁ, E. Alkaline leaching of antimony from natural stibnite / Alkaliczne ługowanie antymonu z naturalnego stybnitu. In *Rudy i Metale Nieżelazne Recykling*, R. 59 (2014), nr. 3, 122-126

AFF Abstracts of invited papers from domestic conferences

- AFF01 BREHUV, Ján - BOBRO, Milan - SLANČO, Pavel - HANČULÁK, Jozef - FEDOROVÁ, Erika. Kontaminácia ovzdušia ortuťou v okolí Rudňan. In *Bioklimatologické pracovné dni 2004 : Zmeny podnebia – Extrémy počasia – Organizmy a ekosystémy Medzinárodná vedecká konferencia, 23 – 26. august 2004 Viničky*. Ed. Šiška, B., Igaz, D. - Nitra : SPU v Nitre, 2004. ISBN 80-8069-402-8.

Ohlasy:

[4] SLÁVIK, M. – TÓTH, T. – HARANGOZO, L. – ÁRVAY, J. – STANOVIČ, R. – MIŠŠÍK, J. The content of mercury in edible mushrooms from middle Spiš. In *Journal of Microbiology, Biotechnology and Food Sciences* 2 (2013), Special issue on BQRMF, p. 2115-2124

AFF02 FLOREK, Ivan - LOVÁS, Michal - ZNAMENÁČKOVÁ, Ingrid.

Intensification of magnetic separation of chalcopyrite ore by microwave radiation. In *Microwave and High Frequency Heating : Proceedings of the Conference on Fermo, Italy, 9.-13. September 1997*. 4th. Eds. Breccia, A., De Leo, F., Metaxas, A.C., - Fermo, Italy, 1997, p. 214-222.

Ohlasy:

[3] SRIKANTA, S.S. - MUKHERJEEB, P.S. - BHIMA RAO, R. Prospects of microwave energy in material and mineral processing. In *Turkish Journal of Engineering, Science and Technology* 02 (2013), p. 23-31

AFFA Abstracts of invited papers from international conferences in Slovakia

AFFA01 ŠTEVULOVA, Nadežda - TKÁČOVÁ, Klára - STOPKA, Pavel -

PLEŠINGEROVÁ, B. - BÁLINTOVÁ, Magdaléna. The influence of the grinding environment on the surface layers quality of finely dispersed silicon. In *INCOME : Proceedings of the First International Conference on Mechanochemistry* 23.-26. March, 1993, Košice, p. 144-147.

Ohlasy:

[1.1] SAYYAH, M. - LU, Y.Q. - MASEL, R.I. - SUSLICK, K.S. Mechanical Activation of CaO-Based Adsorbents for CO₂ Capture. In *CHEMSUSCHEM*, Vol. 6 (2013), Issue 1, p. 193-198., WOS

AFFA02 TKÁČOVÁ, Klára. First international conference on mechanochemistry: An introduction. In *INCOME : Proceedings of the First International Conference on Mechanochemistry* 23.-26. March, 1993, Košice, p. 144-147. ISSN 1904602045.

Ohlasy:

[1.1] TERASAWA, Y. - FUJIO, Y. - XU, C.N. Evaluation and Prediction of Photoluminescence Performance on the Blue Phosphor CaMgSi₂O₆: Eu by Analysis of the Trap. In *Electrochemistry*, Vol. 81 (2013), Issue 2, 77-81, WOS

AFFA03 TKÁČOVÁ, Klára - PAHOLIČ, G. - ŠEPELÁK, Vladimír - SEKULA, Felix.

Jednoduchý model mechanickej aktivácie. In SEKULA, Felix. *Theoretical and Technological Aspects of Disintegration and Mechanical Activation : proceedings of the 5th International Symposium 1988 - TATARAMAN, Tatranská Lomnica*. 5th. - Tatranská Lomnica, 1988, p. 70-79. ISBN DT61410688.

Ohlasy:

[1.1] BALÁŽ, P. - ACHIMOVIČOVÁ, M. - BALÁŽ, M. - BILLIK, P. - CHERKEZOVA- ZHELEVA, Z. - CRAIDO, J.M. - DELOGU, F. - DUTKOVÁ, E. - GAFFET, E. - GOTOR, F.J. - KUMAR, R. - MITOV, I. - ROJAC, T. - SENNA, M. - STRELETSKII, A. - WIECZOREK-CIUROWA, K. Hallmarks of mechanochemistry: from nanoparticles to technology. In *Chemical Society Reviews*, 2013, vol. 42, p. 7571-7637, WOS

AFG Abstracts of papers from foreign conferences

AFG01 DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária. Sorption of cadmium (II) by the natural bentonite and magnetic clay composite. In *Acta Mineralogica-Petrographica : Field Guide Series*, 2010, vol. 6, special selection, p. 404. ISSN 2061-9766.

Ohlasy:

[1.1] BARKA, N. - OUZAOUIT, K. - ABDENNOURI, M. - EL MAKHFOUK, M. - QOURZAL, S. - ASSABBANE, A. - AIT-ICHOU, Y. - NOUNAH, A. Kinetics and equilibrium of cadmium removal from aqueous solutions by sorption onto synthesized hydroxyapatite. In *DESALINATION AND WATER TREATMENT*. ISSN 1944-3994, APR 2012, vol. 43, no. 1-3, p. 8-16., WOS

[1.1] LIU, Haicheng - CHEN, Wei - LIU, Cheng - LIU, Yu - DONG, Changlong. Magnetic mesoporous clay adsorbent: Preparation, characterization and adsorption capacity for atrazine. In *MICROPOROUS AND MESOPOROUS MATERIALS*. ISSN 1387-1811, AUG 2014, vol. 194, p. 72-78., WOS

[1.1] PURKAYASTHA, D. – MISHRA, U. – BISWAS, S. A comprehensive review on Cd(II) removal from aqueous solution. In *Journal of Water Process Engineering*, Vol. 2 (2014), p. 105-128., WOS

[1.1] SARANGI, Chinmaya Kumar - SAHU, Naba Kumar - TRIPATHY, Bankim Chandra - BHATTACHARYA, Indra Narayan. An evaluation of cadmium sorption potential of waste aluminium dross. In *DESALINATION AND WATER TREATMENT*. ISSN 1944-3994, 2012, vol. 50, no. 1-3, p. 360-366., WOS

[1.1] WASEEM, M. - MUSTAFA, S. - NAEEM, A. - SHAH, K. H. - RASHID, U. Synthesis, physical characteristics, and Cd²⁺ sorption studies of amorphous Fe(OH)(3). In *DESALINATION AND WATER TREATMENT*. ISSN 1944-3994, 2014, vol. 52, no. 25-27, p. 4783-4791., WOS

AFG02 MOCKOVČIAKOVÁ, Annamária - ŠTYRIAKOVÁ, Iveta - DANKOVÁ, Zuzana - MATIK, Marek. Modification of natural zeolite for sorption properties and its bacterial regeneration. In *EUROCLAY 2007, Aveiro 2007*. - Aveiro, 2007.

Ohlasy:

[1.2] JU, S. - ZHANG, L. - PENG, J.H. - GUO, S.H. - WANG, X. - WANG, Y. New process for producing high grade iron concentrate by roasting siderite ore with microwave energy. In 5th International Symposium on High-Temperature Metallurgical Processing - TMS 2014, 143rd Annual Meeting and Exhibition; San Diego, CA; United States; 16 - 20 February 2014, p. 73-80, SCOPUS

AFG03 VÁCLAVÍKOVÁ, Miroslava - MATIK, Marek - JAKABSKÝ, Štefan - HREDZÁK, Slavomír. Preparation and Sorption Properties of Fe-nanomaterials for Removal of Arsenic from Waters. In *Book of Abstracts of the Conference on NATO CCMS on clean products and processes : 19 - 24 July 2005*. - Aalesund, Norway, 2005, p. 13.

Ohlasy:

[1.1] PEHLIVAN, E. - TRAN, H.T. - OUEDRAOGO, W.K.I. - SCHMIDT, C. - ZACHMANN, D. - BAHADIR, M. Sugarcane bagasse treated with hydrous ferric oxide as a potential adsorbent for the removal of As(V) from aqueous solutions. In *Food Chemistry*, Vol. 138 (2012), Issue 1, 133- 138., WOS

[1.2] CHEN, H.W. - LIU, L. - ZHAO, J. - PENG, X.X. - ZHANG, D. Characteristics of adsorption of arsenic by red soil from sandstone weathering. In

International Conference on Remote Sensing, Environment and Transportation Engineering (RSETE), 24-26 June 2011, Nanjing 2011, ISBN: 978-1-4244-9172-8, 3910-3912, SCOPUS

AFH Abstracts of papers from domestic conferences

AFH01 HREDZÁK, Slavomír - VÁCLAVÍKOVÁ, Miroslava - JAKABSKÝ, Štefan - LOVÁS, Michal - MACÁŠEK, F. - KUFČÁKOVÁ, J. - RAJEC, P. - KOPUNEC, R. Properties and Application of Magnetite-Bearing Leaching Residuum in Heavy Metals Removal Process. In *10th International Conference SIS '03 : abstracts of the 10 th conference), Podbanské, High Tatras, Slovakia, September 2003.* - Poprad, 2003, p. 53-55.

Ohlasy:

[1.1] GALAMBOS, M. - SUCHANEK, P. - ROSSKOPFOVA, O. Sorption of anthropogenic radionuclides on natural and synthetic inorganic sorbents. In *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 293 (2012), Issue 2, 613-633, WOS

AFHA Abstracts of papers from international conferences in Slovakia

AFHA01 HANČULÁK, Jozef - BOBRO, Milan - FEDOROVÁ, Erika - ŠESTINOVÁ, Oľga - BREHUV, Ján - ŠPALDON, Tomislav - SLANČO, Pavel. Monitoring depozície ťažkých kovov z prashného spad v oblasti pôsobenia železnorudného banského závodu v Nižnej Slanej : Monitoring of heavy metals depositions from dust fallout in the vicinity of iron ore mining and processing plant in Nižná Slaná. In *Bioclimatology and natural hazards : zborník príspevkov medzinárodnej vedeckej konferencie, Poľana nad Detvou, September 17-20, 2007, [elektronický zdroj].* - Zvolen : Slovak Bioclimatological Society at the SAS, TU Zvolen, 2007, p. 7. ISBN 978-80-228-1760-8. Názov z predtlaču na CD Rom. Požaduje sa PDF.

Ohlasy:

[1.1] SALAMUN, Peter - RENCO, Marek - KUCANOVA, Eva - BRAZOVA, Timea - PAPAJOVA, Ingrid - MIKLISOVA, Dana - HANZELOVA, Vladimira. Nematodes as bioindicators of soil degradation due to heavy metals. In *ECOTOXICOLOGY*. ISSN 0963-9292, NOV 2012, vol. 21, no. 8, p. 2319-2330., WOS

Zobrazovací formát pre typ dokumentu " nedefinovaný! sysno:233724

AGJ Patent applications, utility model applications, design applications, trademark applications, applications for granting supplementary protection certificate, applications for registration of topographies of semiconductor products, designations of origin applications, geographical indications of goods and products applications, breeder's certificate applications

AGJ01 KUŠNIEROVÁ, Mária - KAFKA, Richard - VAŠKOVÁ, Helena. *Spôsob spracovania odpadových kalov z výroby hliníka : SR č.281359.* Banská Bystrica : Úrad priemyselného vlastníctva SR. Slovenský patent.

Ohlasy:

[1.1] SCHWARZ, M. - LALIK, V. - VANEK, M.: Possibility of Exploitation of Mud from Alumina Production. In *Chemicke listy*, Vol. 105 (2011), Issue 2, 114-121

BDF Professional papers in other domestic journals (not registered in CCC)

- BDF01 BREHUV, Ján - BOBRO, Milan - HANČULÁK, Jozef. Distribúcia nánosov kontaminovaných ťažkými kovmi v nádrži Vodného diela Ružín I. In *Vodohospodársky spravodajca*, 2003, roč. 1, s. 8-10.
Ohlasy:
[1.1] HRONCOVÁ, E. - LADOMERSKÝ, J. - DIRNER, V. The contamination of bottom sediments in water reservoirs in the vicinity of Banská Štiavnica (Slovakia) by potentially toxic elements. In *Carpathian Journal of Earth and Environmental Sciences*, vol. (2014) iss. 9, 2, p. 199-207., WOS
- BDF02 BREHUV, Ján - MAGULA, Rudolf - DOBROTKA, S. - MIŠČÍK, Marián. Hydraulic Structures in the Stretch between Zlatá Baňa and Sol'ná Baňa Built in the 17th and 18th Centuries for the Purpose of Mining Industry and Salt Mining : Vodné diela medzi Zlatou Baňou a Sol'nou Baňou postavené v 17. a 18. storočí pre baníctvo na soľ. In *Vodohospodársky spravodajca*, 2010, roč. 53., no.5-6, p. 5-6.
Ohlasy:
[3.1] TEJ, J. - MATUSIKOVA, D. Tourism Product Creation as a Basis of Economic Prosperity of a Destination. In *Economic Annals - XXI* (2014), No. 5-6, 45-48.
- BDF03 DOLINSKÁ, Silvia - TURČÁNIOVÁ, Ľudmila - KOVÁČIK, V. - BEKEŠOVÁ, Slávka - LOVÁS, Michal - HREDZÁK, Slavomír. Microwave-assisted extraction of fullerenes from pyrolytic soot. In *Acta Metallurgica Slovaca*, 2006, roč. 12, mimoriadne č. 1, s. 60-66. ISSN 1338-1156.
Ohlasy:
[2.2] KLOUDA, K. - KUBATOVA, H. - ZEMANOVA, E. Nanomaterials: Pros and contras. In *KOMUNIKÁCIE*. 2011, vol. 13, iss. 2, p. 6-13, SCOPUS
- BDF04 KOVÁČOVÁ, Milota - LOVÁS, Michal - JAKABSKÝ, Štefan - HÁJEK, M. Využitie mikrovlnnej energie pri vitrifikácii Fe – odpadov. In *Acta Metallurgica Slovaca*, 2006, roč. 12, č. 1, s. 214-249. ISSN 1338-1156.
Ohlasy:
[1.2] SOLDÁN, M. - ČAPLOVIČ, L. - GALBIČKOVÁ, B. - GERULOVÁ, K. Evaluation of the structure of industrial wastes. In *International Conference on Environmental and Materials Engineering, EME 2012, Seoul, South Korea, 9-10 Dec. 2012, Advanced Materials Research, Vol. 664* (2013), p. 185-190., SCOPUS
[3.1] GALBIČKOVÁ, B. - SOLDÁN, M. - BELČÍK, M. - BALOG, K. Removal of phenol from wastewater by using low-cost catalyst from metal production. In *Research Papers Faculty of Materials Science and Technology Slovak University of Technology, Vol. 21* (2014), Issue 341, 55-59.

BEE Professional papers in foreign proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)

- BEE01 BREHUV, Ján - BOBRO, Milan - HANČULÁK, Jozef - ŠPALDON, Tomislav - MACEKOVÁ, Jaroslava. The proportion of observed mining localities on contamination water and sediment deposits of Water-work Ružín No 1 reservoir in 2004 by selected elements. In *10th Conference on Environment and Mineral Processing : proceedings of conference, Ostrava, 22.-24.6.2006.* - Ostrava, ČR : Publishing services department, VŠB – Technical University of Ostrava, 2006, p. 45-53.

Ohlasy:

[1.1] PETRILAKOVA, A. - SINGOVSKA, E. - BALINTOVA, M. - JUNAKOVA, N. Characterization of sediment quality depending on the depth of sampling from water reservoir ruzin (Slovakia). In Proc. 13th International Multidisciplinary Scientific Geoconference and EXPO, SGEM 2013; Albena; Bulgaria; 16-22 June 2013, Vol. 1 (2013), p. 193-198., WOS

- BEE02 KRÚPA, Vítazoslav - LAZAROVÁ, Edit. Optimizing full-face driving machine mode driving parameters from the point of view of cost minimization. In *World Tunnel Congress 97 : Proceedings of WTC 97 Vienna, Austria 13-16.4.1997*. - Vienna, Austria, p. 503-506. ISBN 90-5410-868-1.

Ohlasy:

[1.1] FUTO, Jozef - IVANICOVA, Lucia - LABAS, Milan - KREPELKA, František. SEARCH FOR OPTIMAL REGIME OF ROCK CUTTING USING THE SIMULATION METHODS. In 12th International Multidisciplinary Scientific Geoconference, SGEM 2012, Vol. I. ISSN 1314-2704, 2012, vol., no., pp. 791., WOS

- BEE03 KUŠNIEROVÁ, Mária. Biogenic hazardous factors of the old mines remainings in Smolník. In *4th Conference on Environment and Mineral Processing : VŠB-TU Ostrava, 25-27.6.1998*. - Ostrava ČR : VŠB - Ostrava, 1998, p. 565-570. ISBN 13: 978-8070785645.

Ohlasy:

[4] DAKOS, Zuzana. Bakteriálna transformácia minerálov s obsahom železa. Dakos Z. Košice, 2011. 105. Ústav geotechniky SAV v Košiciach

- BEE04 LEŠŠO, Igor - FLEGNER, Patrik - KREPELKA, František - FERIANČÍKOVÁ, Katarína. Evaluation of functional analysis in optimal control of rotary drilling. In *SGEM -11 th Geo Conference on Water Resources, Forest, Marine and Ocean Ecosystems : Conference Proceedings*. - Sofia : STEF92 Technology Ltd. 1, 2014. ISBN 978-619-7105-13-1. *International Multidisciplinary Scientific GeoConferences*. 11th. Volume II. - Sofia, Bulgaria, 2011, p. 45-50. ISSN 1314-2704.

Ohlasy:

[1.2] LACIAK, Marek - ŠOFRANKO, Marian. Optimization of device selection in design of technological lines for the aggregates production. In *Applied Mechanics and Materials*. ISSN 16609336, 2014-01-01, 611, pp. 387-394., SCOPUS

- BEE05 ŠLESÁROVÁ, Andrea - ZEMAN, Josef - KUŠNIEROVÁ, Mária. DAVYDOVA, Yu.A. - MUKHACHEVA, S.V. - KSHNYASEV, I.A. Splenomegaly in small. In *Water in Mining Environments : International Mine Water Association Symposium*. - Università degli Studi di Cagliari, Italy : Mako Edizioni, 2007, p. 467-471. ISBN 978-88-902955-0-8-330.

Ohlasy:

[1.1] BALINTOVA, M. - PETRILAKOVA, A. - SINGOVSKA, E. Study of metal ion sorption from acidic solutions. In *Theoretical Foundations of Chemical Engineering*, Vol. 46 (2012) Issue 6, 727-731, WOS

[1.1] SINGOVSKA, E. - BALINTOVA, M.: Application Factor Analysis

for the Evaluation Surface Water and Sediment Quality. In 5th International Conference on Safety and Environment in the Process and Power Industry (CISAP) (eds. Cozzani, V., DeRademaeker, E., Pierucci, S., Klemes, J.J.) Milano, Italy June 03-06.2012, Book Series: Chemical Engineering Transactions, Vol. 26 (2012), 83-188., WOS

- BEE06 ŠLESÁROVÁ, Andrea - ZEMAN, Josef - KUŠNIEROVÁ, Mária.
Geochemical characteristics of acid mine drainage at the Smolník deposit. In *Water in Mining Environments : International Mine Water Association Symposium*. - Università degli Studi di Cagliari, Italy : Mako Edizioni, 2007, p. 467-471. ISBN 978-88-902955-0-8-330.
- Ohlasy:
- [1.1] BÁLINTOVÁ, M. - SINGOVSKA, E. Acid mine drainage as environmental risk for surface water In Modern Management of Mine Producing, Geology and Environmental Protection: proceedings from 11th International Multidisciplinary Scientific GeoConference ,VOL III, (Albena: 20-25 June 2011). Eds. N., Sabotinov, M., Mazhdrakov. - Albena (Bulgaria): SGEM, 2011, p. 175- 182., WOS
- [1.1] PETRILAKOVÁ, A. - BÁLINTOVÁ, M. Utilization of Sorbents for Heavy Metals Removal from Acid Mine Drainage. In Proceedings of the 14th International Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction Location: Florence, Italy, May 08-11, 2011, Book Series: Chemical Engineering Transactions (eds. Klemes, J.J., Varbanov, P.S., Lam, H.L.), Vol. 25, 339-344, WOS
- [1.2] SINGOVSKA, E. - BALINTOVA, M. - JUNAKOVA, N. Evaluation of surface water pollution in the Smolnik creek. In Proc. 13th International Multidisciplinary Scientific Geoconference, SGEM 2013; Albena; Bulgaria; 16 - 22 June 2013, Vol. 1 (2013), p. 445-450, SCOPUS

BEF Professional papers in domestic proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)

- BEF01 BOBRO, Milan - HANČULÁK, Jozef - BREHUV, Ján. Imisie tuhých zložiek v oblasti Želba, a.s., závodu Siderit v Ninej Slanej. In *Environmentálne problémy miest : Košice – 4 –5 máj 1999*, p. 83-89. ISBN 80-232-0176.
- Ohlasy:
- [4] BALUCHOVÁ, B. - BAČÍK, P. - FEJDI, P. - ČAPLOVIČOVÁ, M.: Mineralogický výskum prasných spadov z rokov 2006 – 2008 v oblasti Jelšavy. Mineralia Slovaca, 43(2011), ISSN 0369- 2086, s. 327-334.
- BEF02 BREHUV, Ján - BOBRO, Milan - HANČULÁK, Jozef. Hodnotenie výsledkov prieskumu nánosov v nádrži Vodného diela „Ružín I“ v roku 2001. In *XI. vedecké sympóziu s medzinárodnou účasťou O ekológii vo vybraných aglomeráciách Jelšavy - Lubenika a Stredného Spiša : zborník z XI. vedeckého sympózia Hrádok 2002, 21.-22.11.2002*. Ed. Jenčík, F., Bindas, Ľ., Hredzák, S., - Košice : Slovenská banícka spoločnosť ZS VTS, ZO pri ÚGt SAV, 2002, p. 92-95.
- Ohlasy:
- [1.2] ULIČNÝ, A. - DURANÍK, T. - RUŽBARSKÝ, J. - KOSZEL, M. Technology of soil bioremediation and conversion of contaminated phytomass into usable energy forms. In Journal of Central European Agriculture 14 (3) 2013. p. 176-185., SCOPUS

BEF03 FEDOROVÁ, Erika - SLANČO, Pavel - HANČULÁK, Jozef - BREHUV, Ján. Zhodnotenie imisnej situácie v oblasti závodu SIDERIT Nižná Slaná. In X. *medzinárodné sympóziu o ekológii vo vybraných aglomeráciach Jelšavy-Lubenika a Stredného Spiša*“, , : Hrádok 30.11. 2001. Jenčík, F., Bindas, L., Hančulák, J., p. 236-239.

Ohlasy:

[4] BALUCHOVÁ, B.- BAČÍK, P.- FEJDI, P. - ČAPLOVIČOVÁ, M.: Mineralogický výskum prašných spadov z rokov 2006 – 2008 v oblasti Jelšavy. Mineralia Slovaca, 43(2011), ISSN 0369- 2086, s. 327-334.

DAI Dissertations and habilitation theses

DAI01 HANČULÁK, Jozef. *Solid Emissions In the Area of Magnesite Industry Operation In Jelšava and Lubeník (in Slovak) : Tuhé imisie v oblasti pôsobenia magnezitového priemyslu Jelšavy a Lubeníka : kandidátska dizertačná práca.* Hančulák J.,. 187s. TU Košice.

Ohlasy:

[1.1] CSIKÓSOVÁ, A – ČULKOVÁ, K. – ANTOŠOVÁ, M. Magnesite industry in the Slovak republic. In Gospodarka Surowcami Mineralnymi Tom 29 (2013), Zeszyt 3, p. 21-35, WOS

DAI02 IVANIČOVÁ, Lucia. *Analysis of geotechnical data from the tunnelling process of exploratory adit Branisko : Analýza geotechnických údajov z procesu razenia prieskumnej štôlne Branisko : doktorandská dizertačná práca.* 145p. Ústav geotechniky SAV, Fakulta BERG TU Košice.

Ohlasy:

[1.2] LAZAROVÁ, E. - KRÚPA, V. Our findings from models used for processing the results of excavation process monitoring. In 12th International Multidisciplinary Scientific GeoConference and EXPO - Modern Management of Mine Producing, Geology and Environmental Protection, SGEM 2012, Bulgaria, 819-825, SCOPUS

DAI03 JENČÁROVÁ, Jana. *Príprava a aplikácia sorbentov ťažkých kovov pre čistenie priemyselných odpadových vôd : doktorandská dizertačná práca.* Jana Jenčárová. Košice, 28.6.2011. 115s. Ústav geotechniky v Košiciach.

Ohlasy:

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s

DAI04 KOVÁČOVÁ, Milota. *Mikrovlnná vitrifikácia sorbentov iónov ťažkých kovov : doktorandská dizertačná práca.* Milota Kováčová. Košice, 16.8.2007. 108 s. Ústav geotechniky SAV.

Ohlasy:

[1.1] ZNAMENÁČKOVÁ, I. - LOVÁS, M. - HÁJEK, M. - SOBEK, J. Vplyv mikrovlnnej energie na selektívne lúhovanie Pb, Zn a Al z elektronického odpadu s vysokým obsahom Cu (The Effect of Microwave Energy on Selective Leaching of Pb, Zn and Al from the Electronics Waste with High Cu Contents). In Chemické listy, roč. 105 (2011), No. 8, 625-628, WOS

DAI05 KRÚPA, Vítazoslav. *Hypotheses, Models, Theories and the Verification of the Full-profile Tunneling : Hypotézy, modely, teórie a ich verifikácie pri plnoprofilovom razení : doktorská dizertačná práca* = Doktorská dizertačná práca. Košice : UGT SAV. 251s.

Ohlasy:

[1.1] KOSTÚR, K. - FUTÓ, J. - KREPELKA, F. - IVANIČOVÁ, L. Comparison of characteristics of excavation process and characteristics of acoustic signal in TBM excavation. In Proceedings of the 13th International Carpathian Control Conference, ICCC 2012, Podbanské, Slovakia, 2012, 332-335., WOS

[1.1] FUTÓ, J. - IVANIČOVÁ, L. - LABAŠ, M. - KREPELKA, F. Search for optimal regime of rock cutting using the simulation methods. In 12th International Multidisciplinary Scientific GeoConference and EXPO - Modern Management of Mine Producing, Geology and Environmental Protection, SGEM 2012, Bulgaria, 791-796, WOS

[2.2] MALINDŽÁKOVÁ, M. - FUTÓ, J. Tunnel boring machine design and reliability parameters of a dynamic rock-indentor system. In Komunikácie 14 (4), 2012, 79-82, SCOPUS

DAI06 KRÚPA, Vítazoslav. *Matematické modelovanie diamantového vrtania na základe standového výskumu : doktorandská dizertačná práca*.

Ohlasy:

[1.2] BARANOVA, V. - LANDRYOVA, L. - FUTÓ, J. Application of Multivariate Planning Methods in Determining KPIs of Rock Disintegration Process. In Proceedings 15th International Carpathian Control Conference (ICCC) (eds. Petras, I.; Podlubny, I.; Kacur, J.; Farana, R.), Velke Karlovice, Czech Republic, MAY 28-30, 2014, p. 19-22., SCOPUS

DAI07 MAČINGOVÁ, Eva. *Možnosti aplikácie bioremediačných metód pri eliminácii environmentálnych a priemyselných záťaží : doktorandská dizertačná práca*.

Mačingová Eva. Košice, 2010. 101 s. Ústav geotechniky SAV v Košiciach.

Ohlasy:

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s

DAI08 PRAŠČÁKOVÁ, Mária. *Štúdium vplyvu biologicko-chemickej a mechanickej aktivácie na sorpčné vlastnosti hnedého uhlia : doktorandská dizertačná práca*.

Mária Praščáková. Košice, december 2005. 156 s. Ústav geotechniky Košice.

Ohlasy:

[4] BÁLINTOVÁ, M. - LUPTÁKOVÁ, A. Úprava kyslých banských vôd. Košice: Technická univerzita v Košiciach, Stavebná fakulta, 2012, ISBN 978-80-553-0868-5, 131 s

Zobrazovací formát pre typ dokumentu " nedefinovaný! sysno:233506

DAI09 SEKULA, Felix. *Teoretické a technologické aspekty rozpojovania hornín*.

Košice : Banícky ústav SAV v Košiciach, 1979. 269s.

Ohlasy:

[1.2] MIKLÚŠOVÁ, V. Selected characteristics of vibration signal at a

minimal energy consumption for the rock disintegration. In Acta Montanistica Slovaca, Vol. 16 (2011), Issue 3, 209-215., SCOPUS

- DAI10 ŠLESÁROVÁ, Andrea. *Modelovanie geochemického vývoja kvality kyslých banských vôd starej banskej záťaže Smolník : doktorandská dizertačná práca*. Šlesárová Andrea. Košice : Ústav geotechniky SAV Košice. F- BERG TU Košice.

Ohlasy:

[1.1] ŠPALDON, T. - HANČULÁK, J. - ŠESTINOVÁ, O. - FEDOROVÁ, Erika - REMIÁŠOVÁ, Jarmila. Reduction of Sulphates from Mining Waters and Old Mining Loads. In Acta Montanistica Slovaca, 2012, vol. 17, no. 4, 330-335, WOS

- DAI11 ZUBRIK, Anton. *Extrakcia biologicky aktívnych látok z mechanicky aktivovaného uhlia : doktorandská dizertačná práca*. Zubrik Anton. Košice, 2007. 128 s. Ústav geotechniky SAV.

Ohlasy:

[1.1] DOLINSKA, Silvia - LOVAS, Michal - ZNAMENACKOVA, Ingrid - HREDZAK, Slavomir - JAKABSKY, Stefan - MATIK, Marek. APPLICATION OF THE MICROWAVE ENERGY AT THE EXTRACTION OF ORGANIC COMPOUNDS FROM NATURAL MATERIALS. In 11TH INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE (SGEM 2011), VOL I. ISSN 1314-2704, 2011, p. 1083-1090., WOS

FAI Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)

- FAI01 *Water Treatment Technologies for the Removal of High-Toxicity Pollutants : proceedings of the NATO Advanced Research Workshop on Water Treatment Technologies for the Removal of High-Toxicity Pollutants - Košice, Slovak Republik 13-17 Sept. 2008*. IX. NATO Science for Peace and Security Series - C: Environmental Security. Miroslava Václavíková, Ksenija Vitale, Georgios P. Gallios, Lucia Ivaničová. Dordrecht : Springer Science+Business Media B.V., 2010. ISBN 978-90-481-3496-0. ISSN 1874-6519.

Ohlasy:

[1.1] GHOSH, P. - SAMANTA, A.N. - RAY, S. Reduction of COD and removal of Zn(2+) from rayon industry wastewater by combined electro-Fenton treatment and chemical precipitation. In Desalination, Vol. 266 (2011), Issue 1-3, 213-217, WOS

[1.1] HERAND, Binnur Kiratli - SIMSEK, Esra Karlik - ONCEL, Mehmet Salim - OZKAN, Melek. Continuous metal bioremoval by new bacterial isolates in immobilized cell reactor. In ANNALS OF MICROBIOLOGY. ISSN 1590-4261, JUN 2014, vol. 64, no. 2, p. 699-706., WOS

[1.1] OK, Jong G. - PANDAY, Ashwin - LEE, Taehwa - GUO, L. Jay. Continuous fabrication of scalable 2-dimensional (2D) micro- and nanostructures by sequential 1D mechanical patterning processes. In NANOSCALE. ISSN 2040-3364, 2014, vol. 6, no. 24, p. 14636-14642., WOS

[1.1] UNLU, N. - CEYLAN, S. - ERZENGIN, M. - ODABASI, M. Investigation of protein adsorption performance of Ni(2+)-attached diatomite particles embedded in composite monolithic cryogels. In Journal of Separation Science, Vol. 34 (2011), Issue 16-17, Special Issue, 2173-2180, WOS

GII Other publications and documents which is not possible to categorize into classes/categories mentioned above

- GII01 BOBRO, Milan - HANČULÁK, Jozef. *Výsledky analytického spracovania spadovej prašnosti v oblasti pôsobenia závodu SMZ a.s. Jelšava v roku 2001 : Expertízna správa pre SMZ, a.s., Jelšava..* ÚGt SAV Košice, 2002.
Ohlasy:
[4] BALUCHOVÁ, B.- BAČÍK, P.- FEJDI, P. - ČAPLOVIČOVÁ, M.: Mineralogický výskum prašných spadov z rokov 2006 – 2008 v oblasti Jelšavy. Mineralia Slovaca, 43(2011), ISSN 0369- 2086, s. 327-334.
- GII02 HANČULÁK, Jozef - BOBRO, Milan. *Analytické spracovanie sedimentovaných prachov zo stanovišť závodu SMZ, a.s., Jelšava : Expertízna správa pre SMZ, a.s., Jelšava.*
Ohlasy:
[4] BALUCHOVÁ, B.- BAČÍK, P.- FEJDI, P. - ČAPLOVIČOVÁ, M.: Mineralogický výskum prašných spadov z rokov 2006 – 2008 v oblasti Jelšavy. Mineralia Slovaca, 43(2011), ISSN 0369- 2086, 327-334
- GII03 ŠEPELÁK, Vladimír - BECKER, Klaus Dieter - MUNIR, Z.A. Editor's note. In *Journal of Materials Science*, 2004, vol. 39, no. 16, p. 4983-4984. (0.826 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0022-2461.
Ohlasy:
[1.1] AIN, R.S.N. - HALIM, S.A. - HASHIM, M. Effect of Sm-doping on magnetic and dielectric properties of BiFeO₃. In *Advanced Materials Research* 501 (2012), 329, WOS