

## Publikácie / Publications

**Department: SAVGEOTE - Ústav geotechniky SAV**  
**Year of publication 2012~2015**

### Statistics publication category

AAB	Scientific monographs published in Slovak publishing houses	3
ABC	Chapters in scientific monographs published abroad	2
ABD	Chapters in scientific monographs published in Slovak publishing houses	1
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	86
ADDA	Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)	4
ADEA	Scientific papers in other foreign journals not registered in Current Contents Connect with IF (impacted)	2
ADEB	Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)	31
ADFB	Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)	15
ADMA	Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus	9
ADMB	Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus	35
ADNA	Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus	15
ADNB	Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus	3
AEC	Scientific papers in foreign peer-reviewed proceedings, monographs	93
AED	Scientific papers in domestic peer-reviewed proceedings, monographs	30
AFA	Published invited papers from foreign scientific conferences	1
AFB	Published invited papers from domestic scientific conferences	2
AFC	Published papers from foreign scientific conferences	32
AFD	Published papers from domestic scientific conferences	52
AFDA	Published papers from international scientific conferences in Slovakia	3
AFDB	Published papers from domestic scientific conferences	9
AFE	Abstracts of invited papers from foreign conferences	1
AFFA	Abstracts of invited papers from international conferences in Slovakia	1
AFG	Abstracts of papers from foreign conferences	48
AFHA	Abstracts of papers from international conferences in Slovakia	6
AFHB	Abstracts of papers from domestic conferences	9
BCI	University course materials and instructional texts	1

BDF	Professional papers in other domestic journals (not registered in CCC)	3
BEE	Professional papers in foreign proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	5
BEF	Professional papers in domestic proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	10
DAI	Dissertations and habilitation theses	6
EDJ	Overview works, professional publications, translations of norms and standards and other professional translations published in journals and proceedings/collective publications	1
FAI	Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)	9
GAI	Reports	1
GII	Other publications and documents which is not possible to categorize into classes/categories mentioned above	10
<b>Count</b>		<b>539</b>

#### **AAB Scientific monographs published in Slovak publishing houses**

- AAB01 BALÁŽ, Peter - BALÁŽ, Matej - TURIANICOVÁ, Erika. *Chémia materiálov*. Bratislava : VEDA vydavateľstvo SAV, 2014. 200 s. ISBN 978-80-224-1360-2.
- AAB02 BÁLINTOVÁ, Magdaléna - LUPTÁKOVÁ, Alena. *Úprava kyslých banských vôd*. Košice : Technická univerzita v Košiciach, Stavebná fakulta, 2012. 131 s. ISBN 978-80-553-0868-5.
- AAB03 VRÁBEL, Viktor - BRIANČIN, Jaroslav. *Nauhličovanie kompaktných a spekaných ocelí v atmosférach*. Košice : EQUILIBRIA, s.r.o., máj 2012. 303. ISBN 978-80-8143-013-8.

#### **ABC Chapters in scientific monographs published abroad**

- ABC01 ACHIMOVIČOVÁ, Marcela - BALÁŽ, Peter. Nanocrystalline Metal Selenides : Mechanochemical Synthesis and Utilizable Properties. In *Milling : Fundamentals, Processes and Technologies*. - N.Y. : NOVA Science Publishers Inc., 2015, p. 71-122. ISBN 978-1-63483-022-5.
- ABC02 OROLÍNOVÁ, Mária - ĎURIŠIN, Juraj - DANKOVÁ, Zuzana - ĎURIŠINOVÁ, Katarína - BESTERCI, Michal. Analyse of microstructure and thermal stability of Al-Al<sub>4</sub>C<sub>3</sub> composites. In BESTERCI, Michal. *Nanostructural Al composites : Mechanical alloying, microstructure and mechanical properties of micro- and nanostructural Al-Al<sub>4</sub>C<sub>3</sub> composites*. - Saarbrücken : LAP LAMBERT Academic Publ., 2015, p. 51-84. ISBN 978-3-659-77387-7.

#### **ABD Chapters in scientific monographs published in Slovak publishing houses**

- ABD01 MÚČKOVÁ, Marta - BEDNÁRIKOVÁ, Monika - BARTOŠ, P. - KONERACKÁ, Martina - ZÁVIŠOVÁ, Vlasta - TOMAŠOVIČOVÁ, Natália - JURÍKOVÁ, Alena - KOPČANSKÝ, Peter - TIMKO, Milan - FABIÁN, Martin -

LANCZ, Gábor. Taxol loaded polymer nanospheres for magnetic drug targeting - in vitro studies. In *Transformation of knowledge and technologies to the praxis obtained by research and development in the earth resources area*. - Bratislava : Slovak Physical society, 2013, chapter 3, p. 74-94. ISBN 978-80-970625-6-9.

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

ADCA01 ACHIMOVIČOVÁ, Marcela - GOTOR, Francisco José - REAL, Concepcion - DANEU, Nina. Mechanochemical synthesis and characterization of nanocrystalline BiSe, Bi<sub>2</sub>Se<sub>3</sub> semiconductors. In *Journal of Materials Science. Materials in Electronics*, 2012, vol. 23, no. 10, p. 1844-1850. (1.076 - IF2011). (2012 - Current Contents). ISSN 0957-4522.

ADCA02 ACHIMOVIČOVÁ, Marcela - GOCK, Eberhard - TURIANICOVÁ, Erika - KOSTOVA, Nina G. - VELINOV, N. - KAŇUCHOVÁ, Mária - BALÁŽ, Peter. Study of mechanochemical reduction of ilmenite concentrate by addition of aluminium. In *Acta Physica Polonica A*, 2014, vol. 126, no. 4, p. 867-870. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.

ADCA03 ACHIMOVIČOVÁ, 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.

ADCA04 BALÁŽ, Matej - BUJŇÁKOVÁ, Zdenka - BALÁŽ, Peter - ZORKOVSKÁ, Anna - DANKOVÁ, Zuzana - BRIANČIN, Jaroslav. Adsorption of cadmium(II) on waste biomaterial. In *Journal of Colloid and Interface Science*, 2015, vol. 454, p. 121-133. (3.368 - IF2014). (2015 - Current Contents). ISSN 0021-9797.

ADCA05 BALÁŽ, Matej - BALÁŽ, Peter - SAYAGUÉS, Mária Jesús - ZORKOVSKÁ, Anna. Bio-inspired mechanochemical synthesis of semiconductor nanomaterial using eggshell membrane. In *Materials science in semiconductor processing*, 2013, vol. 16, p. 1899-1903. (1.338 - IF2012). (2013 - Current Contents). ISSN 1369-8001.

ADCA06 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.

ADCA07 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.

ADCA08 BALÁŽ, Matej - ZORKOVSKÁ, Anna - FABIÁN, Martin - GIRMAN, Vladimír - BRIANČIN, Jaroslav. Eggshell biomaterial: Characterization of nanophase and polymorphs after mechanical activation. In *Advanced Powder Technology*, 2015, vol. 26, 1597-1608. (2.638 - IF2014). (2015 - Current Contents). ISSN 0921-8831.

- ADCA09     BALÁŽ, Matej - BALÁŽ, Peter - BUJŇÁKOVÁ, Zdenka - PAP, Zoltán - KUPKA, Daniel - ZORKOVSKÁ, Anna. Mechanochemical dechlorination of PVC by utilizing eggshell waste. In *Acta Physica Polonica A*, 2014, vol. 126, no. 4, p. 884-887. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA10     BALÁŽ, Peter - SAYAGUÉS, Mária Jesús - BALÁŽ, Matej - ZORKOVSKÁ, Anna - HRONEC, P. - KOVÁČ, Jaroslav Jr. - KOVÁČ, Jaroslav - DUTKOVÁ, Erika - MOJŽISOVÁ, Gabriela - MOJŽIŠ, Ján. CdSe@ZnS nanocomposites prepared by a mechanochemical route: No release of Cd<sup>2+</sup> 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.
- ADCA11     BALÁŽ, Peter - ACHIMOVICHOVÁ, 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.
- ADCA12     BALÁŽ, Peter - BALÁŽ, Matej - BUJŇÁKOVÁ, Zdenka. Mechanochemistry in Technology: From Minerals to Nanomaterials and Drugs. In *Chemical engineering & technology*, 2014, vol.-37, no. 5, p. 747-756. (2.175 - IF2013). (2014 - Current Contents). ISSN 0930-7516.
- ADCA13     BALÁŽ, Peter - RÉGIS, Jardin - DUTKOVÁ, Erika - SAYAGUÉS, Mária Jesús - BALÁŽ, Matej - MOJŽISOVÁ, Gabriela - MOJŽIŠ, Ján - TURIANICOVÁ, Erika - FABIÁN, Martin. Mechanochemical Synthesis and Characterization of II-VI Nanocrystals: Challenge for Cytotoxicity Issues. In *Acta Physica Polonica A*, 2012, vol. 122, no. 1, p. 224-230. (0.444 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA14     BALÁŽ, Peter - BALÁŽ, Matej - ACHIMOVICHOVÁ, Marcela - BUJŇÁKOVÁ, Zdenka - DUTKOVÁ, Erika. Mechanochemistry of Solids: New Prospects for Extractive Metallurgy, Materials Science and Medicine. In *Acta Physica Polonica A*, 2014, vol. 126, no. 4, p. 879-883. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA15     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.
- ADCA16     BALÁŽ, Peter - BALÁŽ, Matej - ČAPLOVICOVÁ, 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.

- ADCA17     BARAN, A. - ZORKOVSKÁ, Anna - KAJŇÁKOVÁ, M. - ŠEBEK, Josef - ŠANTAVÁ, Eva - BRADARIC, I. - FEHER, A. Quantum criticality in CaRuO<sub>3</sub> - Influence of Ti substitution. In *Physica status solidi B. Basic solid state physics*, 2012, vol. 249, no. 8, p. 1607-1612. (1.316 - IF2011). (2012 - Current Contents). ISSN 0370-1972.
- ADCA18     BARAN, A. - ZORKOVSKÁ, Anna - KAJŇÁKOVÁ, M. - LIN, C.T. - FEHER, Alexander. Thermodynamic and Magnetotransport Properties of High Quality Na<sub>0.77</sub>CoO<sub>2</sub> Single Crystals. In *Acta Physica Polonica A*, 2014, vol. 126, no.1, p. 360-361. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA19     BUJŇÁKOVÁ, Zdenka - BALÁŽ, Peter - MAKRESKI, P. - JOVANOVSKEI, G. - ČAPLOVIČOVÁ, Mária - ČAPLOVIČ, Ľubomír - SHPOTYUK, Oleh - INGRAM, A. - LEE, T.C. - CHENG, Jing-Jy - SEDLÁK, Ján - TURIANICOVÁ, Erika - ZORKOVSKÁ, Anna. Arsenic sulfide nanoparticles prepared by milling: properties, free-volume characterization, and anti-cancer effects. In *Journal of Materials Science*, 2015, vol. 50, p. 1973-1985. (2.371 - IF2014). (2015 - Current Contents). ISSN 0022-2461.
- ADCA20     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.
- ADCA21     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.
- ADCA22     BUJŇÁKOVÁ, Zdenka - BALÁŽ, Peter - ČAPLOVIČOVÁ, Mária - ČAPLOVIČ, Ľubomír - KOVÁČ, Jaroslav Jr. - ZORKOVSKÁ, Anna. Mechanochemical synthesis of InAs nanocrystals. In *Materials Letters*, 2015, vol. 159, p. 474-477. (2.489 - IF2014). (2015 - Current Contents). ISSN 0167-577X.
- ADCA23     BUJŇÁKOVÁ, Zdenka - SHPOTYUK, Oleh - SEDLÁK, Ján - PASTOREK, Michal - TURIANICOVÁ, Erika - BALÁŽ, Peter - INGRAM, A. Physico-Chemical and Biological Properties of Arsenic Sulfide (As<sub>55</sub>S<sub>45</sub>) Nanosuspension Prepared by Milling. In *Acta Physica Polonica A*, 2014, vol. 126, no. 4, p. 902-906. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA24     BUJŇÁKOVÁ, Zdenka - DUTKOVÁ, Erika - BALÁŽ, Matej - TURIANICOVÁ, Erika - BALÁŽ, Peter. Stability studies of As<sub>4</sub>S<sub>4</sub> nanosuspension prepared by wet milling in Poloxamer 407. In *International Journal of Pharmaceutics*, 2015, vol. 478., p. 187-192. (3.650 - IF2014). (2015 - Current Contents). ISSN 0378-5173.

- ADCA25 ČERNAN, Jozef - RODZIŇÁK, Dušan - BRIANČIN, Jaroslav. Contact fatigue of TiCN Coated sintered steels. In *Powder Metallurgy : An international journal of the science and practice of powder metallurgy*, 2014, vol. 57., no. 4, p. 258-264. (0.601 - IF2013). (2014 - Current Contents). ISSN 0032-5899.
- ADCA26 DA SILVA, K. L. - MACHADO, Carla Fabiana Cerqueira - FABIÁN, Martin - HARNIČÁROVÁ, M. - VALÍČEK, J. - HAHN, Horst - ŠEPELÁK, Vladimír. A local distortion of polyhedra in the novel chromium doped mullite-type bismuth ferrite  $\text{Bi}_2(\text{Cr}_x\text{Fe}_{1-x})_4\text{O}_9$ . In *Materials Letters*, 2015, vol. 161., p. 488-490. (2.489 - IF2014). (2015 - Current Contents). ISSN 0167-577X.
- ADCA27 DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária - ZELEŇÁK, 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.
- ADCA28 DANKOVÁ, Zuzana - MOCKOVČIAKOVÁ, Annamária - DOLINSKÁ, Silvia. Influence of ultrasound irradiation on cadmium cations adsorption by montmorillonite. In *Desalination and Water Treatment*, 2014, vol. 52 no. 28-30, p. 5462-5469. (0.988 - IF2013). (2014 - Current Contents). ISSN 1944-3994.
- ADCA29 DOLNÍK, Bystrík - KURIMSKÝ, Juraj - MARTON, Karol - KOLCUN, M. - TOMČO, Ladislav - BRIANČIN, Jaroslav - FABIÁN, Martin - HALAMA, M. - VOJTKO, Marek - RAJŇÁK, Michal. Hall Effect in ZnO Extrinsic Structure. In *Acta Physica Polonica A*, 2014, vol. 126, no. 1, p. 76-77. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA30 DUTKOVÁ, Erika - SAYAGUÉS, Mária Jesús - REAL, Concha - ZORKOVSKÁ, Anna - BALÁŽ, Peter - ŠATKA, A. - KOVÁČ, Jaroslav - FICERIOVÁ, Jana. Mechanochemically Synthesized Nanocrystalline  $\text{Sb}_2\text{S}_3$  Particles. In *Acta Physica Polonica A*, 2014, vol. 126, no. 4, p. 943-946. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA31 DUTKOVÁ, Erika - TAKACS, Laszlo - SAYAGUÉS, Mária Jesús - BALÁŽ, Peter - KOVÁČ, Jaroslav - ŠATKA, A. Mechanochemical synthesis of  $\text{Sb}_2\text{S}_3$  and  $\text{Bi}_2\text{S}_3$  nanoparticles. In *Chemical Engineering Science*, 2013, vol. 85, p. 25-29. (2.386 - IF2012). (2013 - Current Contents). ISSN 0009-2509.
- ADCA32 DUTKOVÁ, Erika - SAYAGUÉS, Mária Jesús - ZORKOVSKÁ, Anna - REAL, Concepcion - BALÁŽ, Peter - ŠATKA, A. - KOVÁČ, Jaroslav. Properties of mechanochemically synthesized nanocrystalline  $\text{Bi}_2\text{S}_3$  particles. In *Materials science in semiconductor processing*, 2014, vol. 27, p. 267-272. (1.761 - IF2013). (2014 - Current Contents). ISSN 1369-8001.
- ADCA33 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.

- ADCA34     FABIÁN, Martin - BOTTKE, Patrick - GIRMAN, Vladimír - DÜVEL, A. - DA SILVA, K. L. - WILKENING, Martin - HAHN, Horst - HEITJANS, Paul - ŠEPELÁK, Vladimír. A simple and straightforward mechanochemical synthesis of the far-from-equilibrium zinc aluminate,  $\text{ZnAl}_2\text{O}_4$ , and its response to thermal treatment. In *RSC Advances*, 2015, vol. 5, no. 67, p. 54321-54328. (3.840 - IF2014). (2015 - Current Contents). ISSN 2046-2069.
- ADCA35     FABIÁN, Martin - BRIANČIN, Jaroslav - SCHÜTZ, Tomáš. Mechanochemical Synthesis and Sintering of  $\text{Ce}_{1-x}\text{Y}_x\text{O}_{2-x/2}$  (x = 0,35) Solid Solutions. In *Acta Physica Polonica A*, 2014, vol. 126, no. 4, p. 951-953. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA36     FABIÁN, Martin - ANTIČ, Bratislav - GIRMAN, Vladimír - VUCINIČ-VASIČ, Milica - KREMENOVIČ, Alexandar - SUZUKI, Shigeru - HAHN, Horst - ŠEPELÁK, Vladimír. Mechanochemical synthesis and structural characterization of nanocrystalline  $\text{Ce}_{1-x}\text{Y}_x\text{O}_{2-\delta}$  (x=0.1-0.35) solid solutions. In *Journal of Solid State Chemistry*, 2015, vol. 230, p. 42-58. (2.133 - IF2014). (2015 - Current Contents). ISSN 0022-4596.
- ADCA37     FABIÁN, Martin - TYULIEV, Georgi - FELDHOFF, Armin - KOSTOVA, Nina G. - KOLLÁR, P. - SUZUKI, Shigeru - SAITO, F. - ŠEPELÁK, Vladimír. One-step synthesis of nanocrystalline ZnO via cryomilling. In *Powder Technology*, 2013, vol. 235, p. 395-399. (2.024 - IF2012). (2013 - Current Contents). ISSN 0032-5910.
- ADCA38     FEDOROČKOVÁ, Alena - RASCHMAN, P. - SUČIK, Gabriel - PLEŠINGEROVÁ, B. - POPOVIČ, Ľuboš - BRIANČIN, Jaroslav. Processing of serpentinite tailings to pure amorphous silica. In *Ceramics-Silikáty*, 2015, vol. 59, no. 4, p. 0862-5468. (0.435 - IF2014). (2015 - Current Contents). ISSN 0862-5468.
- ADCA39     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.
- ADCA40     FINDORÁKOVÁ, Lenka - ŠESTINOVÁ, Oľga - DANKOVÁ, Zuzana - FINDORÁK, Róbert - HANČULÁK, Jozef. Thermal and spectral characterization of bottom sediment from the water reservoir Ružín No. I in Eastern Slovakia and the kinetics of heavy metal cation leaching. In *Journal of Soils and Sediments*, 2015, vol. 15, no. 8, p. 1781-1788. (2.139 - IF2014). (2015 - Current Contents). ISSN 1439-0108.
- ADCA41     FINDORÁKOVÁ, Lenka - GYÖRÝOVÁ, Katarína - HUDEC OVÁ, D. - MUDROŇOVÁ, 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.

- ADCA42 GOTOR, Francisco José - ACHIMOVIČOVÁ, 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.
- ADCA43 CHOBAL, O. - RIZAK, I. - ILKOVIČ, Sergej - REIFFERS, Marián - ŠEBEŇ, V. - BALÁŽ, Peter - TIMKO, Milan - RIZAK, V. Effect of high-energy milling on the phase transition of Sn<sub>2</sub>P<sub>2</sub>S<sub>6</sub> ferroelectric crystals. In *Solid State Sciences*, 2013, vol. 26, p. 105-109. (1.671 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1293-2558.
- ADCA44 KOSTOVA, Nina G. - ZORKOVSKÁ, Anna - KOVÁČ, Jozef - VELINOV, N. - BALÁŽ, Peter. Magnetic Properties of Mechanochemically Synthesized Mixed Oxides. In *Acta Physica Polonica A*, 2014, vol. 126, no. 1, p. 411-412. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA45 KOSTOVA, Nina G. - ELIYAS, Alexander - FABIÁN, Martin - ACHIMOVIČOVÁ, Marcela - BALÁŽ, Peter. Photocatalytic properties of mechanochemically synthesized nanocrystalline ZnAl<sub>2</sub>O<sub>4</sub> 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.
- ADCA46 KREHULA, Stjepko - RISTIČ, Mira - KUBUKI, Shiro - IIDA, Yusuke - PETROVIČ, Marija - FABIÁN, Martin - MUSIČ, Svetozar. Synthesis and microstructural properties of mixed iron-gallium oxides. In *Journal of Alloys and Compounds*, 2015, vol. 634., p. 130-141. (2.999 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.
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