

Publikácie / Publications

Department: SAVANOCH - Ústav anorganickej chémie SAV
Year of publication 2012~2015

Statistics publication category

AAA	Scientific monographs published abroad	1
ABC	Chapters in scientific monographs published abroad	3
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	205
ADCB	Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted)	4
ADDA	Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)	2
ADEA	Scientific papers in other foreign journals not registered in Current Contents Connect with IF (impacted)	1
ADEB	Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)	3
ADFB	Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)	10
ADMA	Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus	1
ADMB	Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus	16
AEC	Scientific papers in foreign peer-reviewed proceedings, monographs	15
AED	Scientific papers in domestic peer-reviewed proceedings, monographs	15
AEGA	Abstracts of scientific papers published in foreign impacted journals registered in Current Contents Connect	1
AFBB	Published invited papers from domestic scientific conferences	2
AFC	Published papers from foreign scientific conferences	17
AFD	Published papers from domestic scientific conferences	12
AFDA	Published papers from international scientific conferences in Slovakia	1
AFDB	Published papers from domestic scientific conferences	31
AFE	Abstracts of invited papers from foreign conferences	43
AFF	Abstracts of invited papers from domestic conferences	3
AFFA	Abstracts of invited papers from international conferences in Slovakia	3
AFG	Abstracts of papers from foreign conferences	207
AFH	Abstracts of papers from domestic conferences	26
AFHA	Abstracts of papers from international conferences in Slovakia	62
AFHB	Abstracts of papers from domestic conferences	36
AFK	Foreign conferences posters	2
AFL	Domestic conferences posters	3

BEE	Professional papers in foreign proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	6
FAI	Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)	7
GHG	Works published on the internet	7
GII	Other publications and documents which is not possible to categorize into classes/categories mentioned above	3
Count		748

AAA Scientific monographs published abroad

AAA01 GALUSEK, Dušan. *Al₂O₃-ZrO₂ ceramic composites by liquid infiltration : Preparation and properties*. 1. Germany : LAP LAMBERT Academic Publishing GmbH & Co. KG, 2012. 117 p. ISBN 978-3-659-18416-1.

ABC Chapters in scientific monographs published abroad

ABC01 GALUSEK, Dušan - SEDLÁČEK, Jaroslav - KLEMENT, Róbert - ŠVANČÁREK, Peter. Silicon carbide-containing alumina nanocomposites: processing and properties. In *Advances in ceramic matrix composites*. - UK : Woodhead Publishing Limited, 2014, p. 43-78. ISBN 978-0-85709-120-8.

ABC02 KOMADEL, Peter - MADEJOVÁ, Jana. Acid activation of clay minerals. In *Handbook of Clay Science*. A.Fundamentals. 2nd. ed. - Oxford : Elsevier, 2013, p. 385-410. ISBN 978-0-08-098259-5. ISSN 1572-4352.

ABC03 PETIT, Sabine - MADEJOVÁ, Jana. Fourier transform infrared spectroscopy. In *Handbook of Clay Science*. B.Techniques and Applications. Second edition. - Oxford : Elsevier, 2013, p. 213-232. ISBN 978-0-08-098258-8. ISSN 1572-4352.

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

ADCA01 ANTAL, Peter - SCHWENDT, Peter - TATIERSKY, Jozef - GYEPES, Róbert - DRÁBIK, Milan. Interaction between chiral ions: synthesis and characterization of tartratovanadates(V) with tris(2,2'-bipyridine) complexes of iron(II) and nickel(II) as cations. In *Transition Metal Chemistry : An International Journal*, 2014, vol. 39, p. 893-900. (1.402 - IF2013). (2014 - Current Contents). ISSN 0340-4285.

ADCA02 ASHER, James Richard - MALKIN, Vladimír - MALKINA, Olga. Visualization of the four-component g-tensor density as a three-dimensional function. In *Chemical Physics Letters*, 2015, vol. 636, p. 46-50. (1.897 - IF2014). (2015 - Current Contents). ISSN 0009-2614.

ADCA03 BAČA, Ľuboš - LENČEŠ, Zoltán - JOGL, Christian - NEUBAUER, Erich - VITKOVIČ, Martin - MERSTALLINGER, Andreas - ŠAJGALÍK, Pavol. Microstructure evolution and tribological properties of TiB₂/Ni-Ta cermets. In *Journal of the European Ceramic Society*, 2012, vol. 32, no. 9, p. 1941-1948. (2.353 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.

- ADCA04 BAŇACKÝ, P. - NOGA, Jozef - SZÖCS, Vojtech. Electronic structure of single-wall silicon nanotubes and silicon nanoribbons: helical symmetry treatment and effect of dimensionality. In *Advances in Condensed Matter Physics*, 2013, vol. 2013, article ID 374371, 16 p. (1.175 - IF2012). ISSN 168-8108.
- ADCA05 BAŇACKÝ, P. - NOGA, Pavol - SZÖCS, Vojtech - NOGA, Jozef. Large diameter multiwall nanotubes of MgB₂: structural aspects and stability of superconducting nanotubular magnesium boride. In *Physica status solidi B. Basic solid state physics*, 2015, vol. 252, no. 9, p. 2052-2058. (1.489 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-1972.
- ADCA06 BAŇACKÝ, P. - NOGA, Jozef - SZÖCS, Vojtech. Toward possibility of high-temperature bipolaronic superconductivity in boron tubular polymorph: Theoretical aspects of transition into anti-adiabatic state. In *Journal of Physics and Chemistry of Solids*, 2012, vol. 73, p. 1044-1054. (1.632 - IF2011). (2012 - Current Contents). ISSN 0022-3697.
- ADCA07 BARBIERIKOVÁ, Zuzana - DVORANOVÁ, Dana - BELLA, Maroš - MILATA, Viktor - CZÍMEROVÁ, Adriana - BREZOVÁ, Vlasta. Fused-ring derivatives of quinoxalines: spectroscopic characterization and photoinduced processes investigated by EPR spin trapping technique. In *Molecules*, 2014, vol. 19, no. 8, p. 12078-12098. (2.095 - IF2013). (2014 - Current Contents). ISSN 1420-3049.
- ADCA08 BARBIERIKOVÁ, Zuzana - BELLA, Maroš - SEKERÁKOVÁ, Ľudmila - LIETAVA, Jozef - BOBENIČOVÁ, Miroslava - DVORANOVÁ, Dana - MILATA, Viktor - SÁDECKÁ, Jana - TOPOĽSKÁ, Dominika - HEIZER, Tomáš - HUDEC, Roman - CZÍMEROVÁ, Adriana - JANTOVÁ, Soňa - BREZOVÁ, Vlasta. Spectroscopic characterization, photoinduced processes and cytotoxic properties of substituted N-ethyl selenadiazoloquinolones. In *Journal of Physical Organic Chemistry*, 2013, vol. 26, no. 7, p. 565-574. (1.578 - IF2012). (2013 - Current Contents). ISSN 0894-3230.
- ADCA09 BARBORÍK, Peter - VASKOVÁ, Zuzana - BOČA, Miroslav - PRIŠČÁK, Jozef. Physicochemical properties of the system (LiF + NaF + KF(eut) + Na₇Zr₆F₃₁): Phase equilibria, density and volume properties, viscosity and surface tension. In *Journal of Chemical Thermodynamics*, 2014, vol. 76, p. 145-151. (2.423 - IF2013). (2014 - Current Contents). ISSN 0021-9614.
- ADCA10 BELUŠÁKOVÁ, Silvia - LANG, Kamil - BUJDÁK, Juraj. Hybrid systems based on layered silicate and organic dyes for cascade energy transfer. In *Journal of Physical Chemistry C*, 2015, vol. 119, p. 21784-21794. (4.772 - IF2014). (2015 - Current Contents). ISSN 1932-7447.
- ADCA11 BENCO, Ľubomír. Compensation effect. A DFT study of the activation of N₂O over M-CHA (M=Fe²⁺, Co²⁺, RuO₂⁺, RuO⁺). In *Journal of Catalysis*, 2013, vol. 298, p. 122-129. (5.787 - IF2012). (2013 - Current Contents). ISSN 0021-9517.

- ADCA12 BENEDEK, R. - THACKERAY, M. M. - LOW, J. - BUČKO, Tomáš.
Simulation of aqueous dissolution of lithium manganate spinel from first principles.
In *Journal of Physical Chemistry C*, 2012, vol. 116, no. 6, p. 4050-4059. (4.805 -
IF2011). (2012 - Current Contents). ISSN 1932-7447.
- ADCA13 BERNARDO, E. - FIOCCO, L. - PRNOVÁ, Anna - KLEMENT, Róbert -
GALUSEK, Dušan. Gehlenite: Eu³⁺ phosphors from a silicone resin and nano-sized
fillers. In *Optical Materials*, 2014, vol. 36, no. 7, p. 1243-1249. (2.075 - IF2013).
(2014 - Current Contents). ISSN 0925-3467.
- ADCA14 BOČA, Miroslav - RAKHMATULLIN, Aydar - MLYNÁRIKOVÁ, Jarmila -
HADZIMOVIČ, Eva - VASKOVÁ, Zuzana - MIČUŠÍK, Matej. Differences in XPS
and solid state NMR spectral data and thermo-chemical properties of iso-structural
compounds in the series KTaF₆, K₂TaF₇ and K₃TaF₈ and KNbF₆, K₂NbF₇ and
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(2015 - Current Contents). ISSN 1477-9226.
- ADCA15 BOČA, Miroslav - BARBORÍK, Peter - MIČUŠÍK, Matej - OMASTOVÁ,
Mária. X-ray photoelectron spectroscopy as detection tool for coordinated or
uncoordinated fluorine atoms demonstrated on fluoride systems NaF, K₂TaF₇,
K₃TaF₈, K₂ZrF₆, Na₇Zr₆F₃₁ and K₃ZrF₇. In *Solid State Sciences*, 2012, vol. 14, p.
828 - 832. (1.856 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN
1293-2558.
- ADCA16 BODIŠOVÁ, Katarína - GALUSEK, Dušan - ŠVANČÁREK, Peter -
POUCHLÝ, Václav - MACA, Karel. Grain growth suppression in alumina via
doping and two-step sintering. In *Ceramics International*, 2015, vol. 41, no. 9, p.
11975-11983. (2.605 - IF2014). (2015 - Current Contents). ISSN 0272-8842.
- ADCA17 BODIŠOVÁ, Katarína - KAŠIAROVÁ, Monika - PRAMUKOVÁ, Zuzana -
DOMANICKÁ, Magdaléna - LENČEŠ, Zoltán - HNATKO, Miroslav -
GROMOŠOVÁ, Silvia - ŠAJGALÍK, Pavol. Mechanical properties of macroporous
silicon nitride-based ceramics designed for bone substitutes. In *Ceramics-Silikáty*,
2014, vol. 58, no. 2, p. 99-105. (0.434 - IF2013). (2014 - Current Contents). ISSN
0862-5468.
- ADCA18 BODIŠOVÁ, Katarína - KAŠIAROVÁ, Monika - DOMANICKÁ, Magdaléna
- HNATKO, Miroslav - LENČEŠ, Zoltán - VARCHULOVÁ NOVÁKOVÁ, Zuzana
- VOJTAŠŠÁK, Ján - GROMOŠOVÁ, Silvia - ŠAJGALÍK, Pavol. Porous silicon
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- ADCA19 BROSKA, Igor - RAVNA, Erling J. Krogh - VOJTKO, Peter - JANÁK,
Marian - KONEČNÝ, Patrik - PENTRÁK, Martin - BAČÍK, Peter - LUPTÁKOVÁ,
Jarmila - KULLERUD, K. Oriented inclusions in apatite in a post-UHP
fluid-mediated regime (Tromsø Nappe, Norway). In *European Journal of*
Mineralogy, 2014, vol. 26, p. 623-634. (1.506 - IF2013). (2014 - Current Contents).
ISSN 0935-1221.

- ADCA20 BRTÁŇOVÁ, Anna - MELICHOVÁ, Zuzana - KOMADEL, Peter. Sorption of Cu²⁺ from aqueous solutions by Slovak bentonites = Anna Brtáňová, Zuzana Melichová, Peter Komadel. In *Ceramics-Silikáty*, 2012, vol. 56, no. 1, p. 55-60. (0.382 - IF2011). (2012 - Current Contents). ISSN 0862-5468.
- ADCA21 BRTÁŇOVÁ, Anna - MADEJOVÁ, Jana - BIZOVSKÁ, Valéria - KOMADEL, Peter. Utilization of near infrared spectroscopy for studying solvation properties of Cu-montmorillonites. In *Spectrochimica Acta Part A - Molecular and Biomolecular Spectroscopy*, 2014, vol. 123, p. 385-391. (2.129 - IF2013). (2014 - Current Contents). ISSN 1386-1425.
- ADCA22 BUČKO, Tomáš - LEBÈGUE, Sébastien - ÁNGYÁN, János G. - HAFNER, Jürgen. Extending the applicability of the Tkatchenko-Scheffler dispersion correction via iterative Hirshfeld partitioning = Tomáš Bučko, Sébastien Lebègue, János G. Ángyán, Jürgen Hafner. In *Journal of Chemical Physics*, 2014, vol. 141, p. 034114-1-034114-17. (3.122 - IF2013). (2014 - Current Contents). ISSN 0021-9606.
- ADCA23 BUČKO, Tomáš - LEBÈGUE, Sébastien - HAFNER, Jürgen - ÁNGYÁN, János G. Improved density dependent correction for the description of London dispersion forces. In *Journal of Chemical Theory and Computation*, 2013, vol. 9, p. 4293-4299. (5.389 - IF2012). (2013 - Current Contents). ISSN 1549-9618.
- ADCA24 BUČKO, Tomáš - HAFNER, Jürgen - LEBÈGUE, Sébastien - ÁNGYÁN, János G. Spin crossover transition of Fe(phen)₂(NCS)₂: periodic dispersion-corrected density-functional study. In *Physical Chemistry Chemical Physics*, 2012, vol. 14, no. 16, p. 5389-5396. (3.573 - IF2011). (2012 - Current Contents). ISSN 1463-9076.
- ADCA25 BUČKO, Tomáš - HAFNER, Jürgen. The role of spatial constraints and entropy in the adsorption and transformation of hydrocarbons catalyzed by zeolites. In *Journal of Catalysis*, 2015, vol. 329, p. 32-48. (6.921 - IF2014). (2015 - Current Contents). ISSN 0021-9517.
- ADCA26 BUČKO, Tomáš - LEBÈGUE, Sébastien - HAFNER, Jürgen - ÁNGYÁN, János G. Tkatchenko-Scheffler van der Waals correction method with and without self-consistent screening applied to solids. In *Physical Review B*, 2013, vol. 87, p. 064110-1-064110-15. (3.767 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.
- ADCA27 BÜHL, Michael - KNIGHT, F.R. - KŘÍSTKOVÁ, Anežka - MALKIN-ONDÍK, Irina - MALKINA, Oľga - RANDALL, R.A.M. - SLAWIN, A.M.Z. - WOOLINS, J.D. Weak Te, Te interactions through the looking glass of NMR spin-spin coupling. In *Angewandte Chemie - International Edition*, 2013, vol. 52, no. 9, p. 2495-2498. (13.734 - IF2012). (2013 - Current Contents). ISSN 1433-7851.
- ADCA28 BUJDÁK, Juraj. Effect of layer charge on the formation of polymer/layered silicate nanocomposites: Intercalation of polystyrene. In *Journal of Physical Chemistry C*, 2015, vol. 119, p. 12016-12022. (4.772 - IF2014). (2015 - Current Contents). ISSN 1932-7447.

- ADCA29 BUJDÁK, Juraj - IYI, Nobuo. Highly fluorescent colloids based on rhodamine 6G, modified layered silicate, and organic solvent. In *Journal of Colloid and Interface Science*, 2012, vol. 388, p. 15-20. (3.070 - IF2011). (2012 - Current Contents). ISSN 0021-9797.
- ADCA30 BUJDÁK, Juraj. Layer-by-layer assemblies composed of polycationic electrolyte, organic dyes, and layered silicates. In *Journal of Physical Chemistry C*, 2014, vol. 118, no. 13, p. 7152-7162. (4.835 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1932-7447.
- ADCA31 BUJDÁK, Juraj - DANKO, Martin - CHORVÁT, Dušan Jr. - CZÍMEROVÁ, Adriana - SÝKORA, J. - LANG, K. Selective modification of layered silicate nanoparticle edges with fluorophores. In *Applied Clay Science*, 2012, vol. 65-66, p. 152 - 157. (2.474 - IF2011). (2012 - Current Contents). ISSN 0169-1317.
- ADCA32 BUTVINOVÁ, Beata - BUTVIN, Pavol - MAŤKO, Igor - ŠVEC, Peter - CHROMČÍKOVÁ, Mária - SITEK, J. - DEKAN, J. Magnetic and surface properties of high-induction nanocrystalline Fe-Nb-Cu-B/P-Si ribbons. In *IEEE Transactions on Magnetics*, 2014, vol. 50, no. 4, 2002904. (1.213 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0018-9464.
- ADCA33 CSANÁDI, Tamás - CHINH, Nguyen Quang - SZOMMER, Péter - DUSZA, Ján - LENČEŠ, Zoltán - ŠAJGALÍK, Pavol. Deformation and fracture of β -silicon nitride micropillars. In *Journal of the American Ceramic Society*, 2015, vol. 98, no. 2, p. 374-377. (2.610 - IF2014). (2015 - Current Contents). ISSN 0002-7820.
- ADCA34 CZÍMEROVÁ, Adriana - JANKOVIČ, Ľuboš - MADEJOVÁ, Jana - ČEKLOVSKÝ, Alexander. Unique photoactive nanocomposites based on rhodamine 6G/polymer/montmorillonite hybrid systems. In *Journal of Polymer Science. Part B. Polymer Physics*, 2013, vol. 51, p. 1672-1679. (2.221 - IF2012). (2013 - Current Contents). ISSN 0887-6266.
- ADCA35 ČÁRSKY, Petr - ČURÍK, Roman - VARGA, Štefan. Efficient evaluation of Coulomb integrals in a mixed Gaussian and plane-wave basis using the density fitting and Cholesky decomposition. In *Journal of Chemical Physics*, 2012, vol. 136, no. 11, p. 114105-1-114105-8. (3.333 - IF2011). (2012 - Current Contents). ISSN 0021-9606.
- ADCA36 ČAVAJDA, V. - UHLÍK, Peter - DERKOWSKI, Arkadiusz - ČAPLOVIČOVÁ, Mária - MADEJOVÁ, Jana - MIKULA, M. - IFKA, Tomáš. Influence of grinding and sonication on the crystal structure of talc. In *Clays and Clay Minerals*, 2015, vol. 63, n. 4, p. 311-327. (1.228 - IF2014). (2015 - Current Contents). ISSN 0009-8604.
- ADCA37 ČEKLOVSKÝ, Alexander - TAKAGI, Shinsuke. Oxygen sensing materials based on clay/metalloporphyrin hybrid systems. In *Central European Journal of Chemistry*, 2013, vol. 11, no. 7, p. 1132-1136. (1.167 - IF2012). (2013 - Current Contents). ISSN 1895-1066.

- ADCA38 ČERNÝ, Radovan - RAVNSBAEK, Dorthe B. - SCHOUWINK, Pascal - FILINCHUK, Yaroslav - PENIN, Nicolas - TEYSSIER, Jeremie - SMRČOK, Ľubomír - JENSEN, Torben R. Potassium zinc borohydrides containing triangular $[\text{Zn}(\text{BH}_4)_3]^-$ and tetrahedral $[\text{Zn}(\text{BH}_4)_x\text{Cl}_{4-x}]^{2-}$ anions. In *Journal of Physical Chemistry C*, 2012, vol. 116, no. 1, p. 1563-1571. (4.805 - IF2011). (2012 - Current Contents). ISSN 1932-7447.
- ADCA39 ČERNÝ, Radovan - SCHOUWINK, Pascal - SADIKIN, Yolanda - STARE, Katarina - SMRČOK, Ľubomír - RICHTER, Bo - JENSEN, Torben R. Trimetallic borohydride $\text{Li}_3\text{MZn}_5(\text{BH}_4)_{15}$ (M=Mg, Mn) containing two weakly interconnected frameworks. In *Inorganic Chemistry*, 2013, vol. 52, p. 9941-9947. (4.593 - IF2012). (2013 - Current Contents). ISSN 0020-1669.
- ADCA40 DECARREAU, Alain - VIGIER, Nathalie - PÁLKOVÁ, Helena - PETIT, Sabine - VIEILLARD, Philippe - FONTAINE, Claude. Partitioning of lithium between smectite and solution: An experimental approach. In *Geochimica et Cosmochimica Acta*, 2012, vol. 85, p. 314-325. (4.259 - IF2011). (2012 - Current Contents). ISSN 0016-7037.
- ADCA41 DEMEL, Ondřej - KEDŽUCH, Stanislav - ŠVAŇA, Matej - TEN-NO, Seiichiro - PITTNER, Jiří - NOGA, Jozef. An explicitly correlated Mukherjee's state specific coupled cluster method: development and pilot applications. In *Physical Chemistry Chemical Physics*, 2012, vol. 14, p. 4753-4762. (3.573 - IF2011). (2012 - Current Contents). ISSN 1463-9076.
- ADCA42 DEMEL, Ondřej - KEDŽUCH, Stanislav - NOGA, Jozef - PITTNER, Jiří. Perturbative triples correction for explicitly correlated Mukherjee's state-specific coupled cluster method. In *Molecular Physics*, 2013, vol. 111, no. 16-17, p. 2477-2488. (1.670 - IF2012). (2013 - Current Contents). ISSN 0026-8976.
- ADCA43 DIMOS, Konstantinos - JANKOVIČ, Ľuboš - KOUTSELAS, Ioannis - KARAKASSIDES, M.A. - ZBORIL, Radek - KOMADEL, Peter. Low-temperature synthesis and characterization of gallium nitride quantum dots in ordered mesoporous silica. In *Journal of Physical Chemistry C*, 2012, vol. 116, no. 1, p. 1185-1194. (4.805 - IF2011). (2012 - Current Contents). ISSN 1932-7447.
- ADCA44 DOMANICKÁ, A. - KLEMENT, Róbert - PRNOVÁ, Anna - BODIŠOVÁ, Katarína - GALUSEK, Dušan. Luminescent rare-earth ions doped $\text{Al}_2\text{O}_3\text{-Y}_2\text{O}_3\text{-SiO}_2$ glass microspheres prepared by flame synthesis. In *Ceramics International*, 2014, vol. 40, no. 4, p. 6005-6012. (2.086 - IF2013). (2014 - Current Contents). ISSN 0272-8842.
- ADCA45 DONAUEROVÁ, Alena - BUJDÁK, Juraj - SMOLINSKÁ, Miroslava - BUJDÁKOVÁ, Helena. Photophysical and antibacterial properties of complex systems based on smectite, a cationic surfactant and methylene blue. In *Journal of Photochemistry and Photobiology : B: Biology*, 2015, vol. 151, p. 135-141. (2.960 - IF2014). (2015 - Current Contents). ISSN 1011-1344.
- ADCA46 DRÁBIK, Milan - BILLIK, Peter - GÁLIKOVÁ, Ľubica. Macro defect free materials; The challenge of mechanochemical activation. In *Ceramics-Silikáty*,

2012, vol. 56, no. 4, p. 396-401. (0.382 - IF2011). (2012 - Current Contents). ISSN 0862-5468.

- ADCA47 DRÁBIK, Milan - GÁLIKOVÁ, Ľubica - BILLIK, Peter - MAIER, G. - KOSEDNAR-LEGENSTEIN, Barbara. Macro defect free materials; mechanochemical activation of raw mixes as the intensifying tool of the entire MDF synthesis. In *Ceramics-Silikáty*, 2013, vol. 57, no. 2, p. 120-125. (0.418 - IF2012). (2013 - Current Contents). ISSN 0862-5468.
- ADCA48 DRÁBIK, Milan - GÁLIKOVÁ, Ľubica - SCHOLTZOVÁ, Eva - HADZIMOVA, Eva. Thermoanalytical events and enthalpies of phases and systems of the chemistry and technology of concrete. Part II. Hydrated cements. In *Ceramics-Silikáty*, 2014, vol. 58, no. 4, p. 243-248. (0.434 - IF2013). (2014 - Current Contents). ISSN 0862-5468.
- ADCA49 DRÁBIK, Milan - GÁLIKOVÁ, Ľubica - SCHOLTZOVÁ, Eva - HADZIMOVA, Eva. Thermoanalytical events and enthalpies of selected phases and systems of the chemistry and technology of concrete. Part I. Calcium-silicate-aluminate-sulfate hydrates. In *Ceramics-Silikáty*, 2014, vol. 58, no. 3, p. 184-187. (0.434 - IF2013). (2014 - Current Contents). ISSN 0862-5468.
- ADCA50 DVUREČENSKIJ, Andrej - CIGÁŇ, Alexander - BYSTRICKÝ, Roman - ŠKRÁTEK, Martin - BILLIK, Peter - MAJEROVÁ, Melinda - MAŇKA, Ján. Magnetic studies of EuBa₂Cu₃-xRu_xO_{7-δ} compounds. In *Acta Physica Polonica A*, 2015, vol. 127, no. 2, p. 300-302. (0.530 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA51 EGGER, David A. - RUIZ, Victor G. - SAID, Wissam A. - BUČKO, Tomáš - TKATCHENKO, Alexandre - ZOJER, Egbert. Understanding structure and bonding of multilayered metal-organic nanostructures. In *Journal of Physical Chemistry C*, 2013, vol. 117, no. 6, p. 3055-3061. (4.814 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1932-7447.
- ADCA52 FAKIS, Mihalios - HROBÁRIK, Peter - STATHATOS, Elias - GIANNETAS, Vassilis - PERSEPHONIS, Peter. A time resolved fluorescence and quantum chemical study of the solar cell sensitizer D149. In *Dyes and Pigments*, 2013, vol. 96, no. 1, p. 304-312. (3.532 - IF2012). (2013 - Current Contents). ISSN 0143-7208.
- ADCA53 FRAJKOROVÁ, Františka - HNATKO, Miroslav - LENČEŠ, Zoltán - ŠAJGALÍK, Pavol. Electrically conductive silicon carbide with the addition of Ti-NbC. In *Journal of the European Ceramic Society*, 2012, vol. 32, no. 10, p. 2513-2518. (2.353 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
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