

Publikačná činnosť - 2014

ADCA Vedecké práce v zahraničných karentovaných časopisoch impaktovaných

- ADCA01 BALKO, Ján - HVIZDOŠ, Pavol - DUSZA, Ján - BALÁZSI, Csaba - GAMCOVÁ, Jana. Wear damage of Si₃N₄-graphene nanocomposites at room and elevated temperatures. In Journal of the European Ceramic Society, 2014, vol. 34, p. 3309-3317. (2.307 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA02 BAŤKO, Ivan - BAŤKOVÁ, Marianna - LOFAJ, František. Electrical Resistivity of CrN Thin Films. In Acta Physica Polonica A, 2014, vol. 126, no. 1, p. 415-416. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA03 BILANYCH, V.S. - LOFAJ, František - FLACHBART, Karol - CSACH, Kornel - KUŽMA, V.V. - RIZAK, V.M. Nanoindentation of amorphous Ge-As-Se films. In Physics of the Solid State, 2014, vol. 56, no. 6, p. 1163-1167. (0.782 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1063-7834.
- ADCA04 BIRČÁKOVÁ, Zuzana - KOLLÁR, P. - FÜZER, J. - LAUDA, M. - BUREŠ, Radovan - FÁBEROVÁ, Mária. Influence of the resin content on the dynamic energy losses in iron-phenolphormaldehyde resin composites. In IEEE Transactions on Magnetics, 2014, vol. 50, no. 12, 6301507. (1.213 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0018-9464.
- ADCA05 BIRČÁKOVÁ, Zuzana - KOLLÁR, P. - VOJTEK, V. - BUREŠ, Radovan - FÁBEROVÁ, Mária. Influence of vitroperm content on the energy losses in composite materials based on the mixture of two ferromagnets. In Acta Physica Polonica A, 2014, vol. 126, no. 1, p. 114-115. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA06 BLACH, Juraj - FALAT, Ladislav. The influence of thermal exposure and hydrogen charging on the notch tensile properties and fracture behaviour of dissimilar T91/TP316H weldments. In High Temperature Materials and Processes, 2014, vol. 33, no. 4, p. 329-337. (0.356 - IF2013). (2014 - Current Contents). ISSN 0334-6455.
- ADCA07 BLANDA, Marek - DUSZOVÁ, Annamária - CSANÁDI, Tamás - HVIZDOŠ, Pavol - LOFAJ, František - DUSZA, Ján. Indentation fatigue of WC grains in WC-Co composite. In Journal of the European Ceramic Society, 2014, vol. 34, p. 3407-3412. (2.307 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA08 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.
- ADCA09 BRUNCKOVÁ, Helena - MEDVECKÝ, Ľubomír - ĎURIŠIN, Juraj - GIRMAN, Vladimír. Phase transformation and particle morphology of pervskite La_{1/3}TaO₃ precursors prepared by polymeric tartrate complex sol-gel method. In Materials

- Letters, 2014, vol. 115, p. 184-186. (2.269 - IF2013). (2014 - Current Contents). ISSN 0167-577X.
- ADCA10 BRUNCKOVÁ, Helena - MEDVECKÝ, Ľubomír - HVIZDOŠ, Pavol - GIRMAN, Vladimír. Effect of solvent on phase composition and particle morphology of lanthanum niobates prepared by polymeric complex sol-gel method. In Journal of Sol-Gel Science and Technology, 2014, vol. 69, p. 272-280. (1.547 - IF2013). (2014 - Current Contents). ISSN 0928-0707.
- ADCA11 BRUNCKOVÁ, Helena - MEDVECKÝ, Ľubomír - ĎURIŠIN, Juraj - HVIZDOŠ, Pavol - GIRMAN, Vladimír. Structural properties and phase transformation of sol-gel prepared lanthanum tantalates. In Journal of Materials Science, 2014, vol. 49, p. 8423-8435. (2.305 - IF2013). (2014 - Current Contents). ISSN 0022-2461.
- ADCA12 BRZÓZKA, K. - KOLLÁR, P. - SZUMIATA, T. - SOVÁK, Pavol - FÜZER, J. - FÁBEROVÁ, Mária - BUREŠ, Radovan - GÓRKA, B. - GAWROŃSKI, M. - GZIK-SZUMIATA, M. Mössbauer and magnetic study of Fe + vitroperm + plastic system. In Acta Physica Polonica A, 2014, vol. 126, no. 1, p. 148-149. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA13 BUREŠ, Radovan - FÁBEROVÁ, Mária - STREČKOVÁ, Magdaléna - BIRČÁKOVÁ, Zuzana - KOLLÁR, P. - FÜZER, J. Structure and properties of composites based on mixed morphology of ferromagnetic particles. In Acta Physica Polonica A, 2014, vol. 126, no. 1, p. 140-141. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA14 CAPIK, Marek - ŠVEC, Peter Jr. - MARCIN, Jozef - KOVÁČ, Jozef - SOPKO, Martin - JANIČKOVIČ, Dušan - ŠVEC, Peter - ŠKORVÁNEK, Ivan. Effect of Temperature on Magnetization Processes in Amorphous Rapidly Solidified FeSiB/CoSiB Bilayer Ribbons. In Acta Physica Polonica A, 2014, vol. 126, no. 1, p. 120-121. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA15 CSANÁDI, Tamás - BLANDA, Marek - DUSZOVÁ, Annamária - CHINH, Nguyen Quang - SZOMMER, Péter - DUSZA, Ján. Deformation characteristics of WC micropillars. In Journal of the European Ceramic Society, 2014, vol. 34, p. 4099-4103. (2.307 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA16 ĎURIŠIN, Juraj Jr. - BALGA, Dušan - SAKSL, Karel - PIETRIKOVÁ, A. Atomic structure of Cu-Zr-Ti metallic glasses subjected to high temperature annealing. In Journal of Alloys and Compounds, 2014, vol. 608, p. 241-246. (2.726 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.
- ADCA17 FALAT, Ladislav - ČIRIPOVÁ, Lucia - KEPIČ, Ján - BURŠÍK, Jiří - PODSTRANSKÁ, Ivana. Correlation between microstructure and creep performance of martensitic/austenitic transition weldment in dependence of its post-weld heat treatment. In Engineering Failure Analysis, 2014, vol. 40, p. 141-152. (1.130 - IF2013). (2014 - Current Contents). ISSN 1350-6307.
- ADCA18 FÜZEROVÁ, Jana - FÜZER, J. - KOLLÁR, P. - BUREŠ, Radovan - FÁBEROVÁ, Mária. Complex permeability and core loss of soft magnetic Fe-based nanocrystalline powder cores. In Journal of Magnetism and Magnetic Materials,

- 2013, vol. 345, p. 77-81. (1.826 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.
- ADCA19 GALUSKOVÁ, Dagmar - KAŠIAROVÁ, Monika - HNATKO, Miroslav - GALUSEK, Dušan - DUSZA, Ján - ŠAJGALÍK, Pavol. Hydrothermal corrosion and flexural strength of Si₃N₄-based ceramics. In Corrosion Science, 2014, vol. 85, p. 94-100. (3.686 - IF2013). (2014 - Current Contents). ISSN 0010-938X.
- ADCA20 GRASSO, Salvatore - TATARKO, Peter - RIZZO, Stefano - PORWAL, Harshit - HU C, Chunfeng - KATOH, Yutai - SALVO, Milena - REECE, Michael J. - FERRARIS, Monica. Joining of Beta-SiC by spark plasma sintering. In Journal of the European Ceramic Society, 2014, vol. 34, p. 1681-1686. (2.307 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA21 HLOCH, S. - MONKA, Peter - HVIZDOŠ, Pavol - JAKUBÉCZYOVÁ, Dagmar - KOZAK, Dražan - ČOLIČ, Krešimir - KĽOC, Ján - MAGUROVÁ, Dagmara. Thermal manifestation and nanoindentation of bone cements for orthopaedic surgery. In Thermal Science, 2013, vol. 17, supp. 1, p. S251-S258. (0.838 - IF2012). ISSN 0354-9836.
- ADCA22 HOMOLOVÁ, Viera - REPOVSKÝ, Peter - VÝROSTKOVÁ, Anna - KROUPA, Aleš. Experimental and theoretical determination of phase fraction in the Fe-B-V alloys. In Journal of Phase Equilibria and Diffusion, 2014, vol. 35, no. 2, p. 172-177. (0.490 - IF2013). (2014 - Current Contents). ISSN 1547-7037.
- ADCA23 CHICARDI, E. - TORRES, Y. - CÓRDOBA, J.M. - HVIZDOŠ, Pavol - GOTOR, Francisco José. Effect of tantalum content on the microstructure and mechanical behavior of cermets based on (Ti_xTa_{1-x})(Co_{0.5}Ni_{0.5}) solid solutions. In Materials and Design, 2014, vol. 53, p. 435-444. (3.171 - IF2013). (2014 - Current Contents). ISSN 0261-3069.
- ADCA24 JAKUBÉCZYOVÁ, Dagmar - KOČÍK, Marek - HVIZDOŠ, Pavol. Multicomponent thin films deposited by PVD ARC and LARC technology. In Materials Science (Medžiagotyra), 2014, vol. 20, no. 1, p. 36-41. (0.336 - IF2013). (2014 - WOS, SCOPUS). ISSN 1392-1320.
- ADCA25 KABÁTOVÁ, Margita - FÜZER, J. - FÜZEROVÁ, Jana - DUDROVÁ, Eva - KOLLÁR, P. Preparation and characterization of Fe/SiO₂ powder composites using impregnation method. In Acta Physica Polonica A, 2014, vol. 126, no. 1, p. 134-135. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA26 KAŠIAROVÁ, Monika - TATARKO, Peter - BURIK, Peter - DUSZA, Ján - ŠAJGALÍK, Pavol. Thermal shock resistance of Si₃N₄ and Si₃N₄-SiC ceramics with rare-earth oxide sintering additives. In Journal of the European Ceramic Society, 2014, vol. 34, no. 14, p. 3301-3308. (2.307 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA27 KOLLÁR, P. - VOJTEK, V. - BIRČÁKOVÁ, Zuzana - FÜZER, J. - FÁBEROVÁ, Mária - BUREŠ, Radovan. Steinmetz law in iron-phenolformaldehyde resin soft magnetic composites. In Journal of Magnetism and Magnetic Materials, 2014, vol. 353, p. 65-70. (2.002 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.
- ADCA28 KOVALČÍKOVÁ, Alexandra - BALKO, Ján - BALÁZSI, Csaba - HVIZDOŠ, Pavol

- DUSZA, Ján. Influence of hBN content on mechanical and tribological properties of Si₃N₄/BN ceramic composites. In Journal of the European Ceramic Society, 2014, vol. 34, p. 3319-3328. (2.307 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA29 KOVALČÍKOVÁ, Alexandra - KUREK, Pavol - BALKO, Ján - DUSZA, Ján - ŠAJGALÍK, Pavol - MIHALIKOVÁ, Mária, Ing., PhD. Effect of the counterpart material on wear characteristics of silicon carbide ceramics. In International Journal of Refractory Metals and Hard Materials, 2014, vol. 44, p. 12-18. (1.764 - IF2013). (2014 - Current Contents). ISSN 0263-4368.
- ADCA30 KOVAL, Vladimír - ŠKORVÁNEK, Ivan - REECE, Michael J. - MITOSERIU, L. - YAN, Haixue. Effect of dysprosium substitution on crystal structure and physical properties of multiferroic BiFeO₃ ceramics. In Journal of the European Ceramic Society, 2014, vol. 34, no. 3, p. 641-651. (2.307 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA31 KOVAL, Vladimír - ŠKORVÁNEK, Ivan - YAN, Haixue. Low-temperature magnetic and dielectric anomalies in rare-earth-substituted BiFeO₃ ceramics. In Journal of the American Ceramic Society, 2014, vol. 97, no. 12, p. 3729-3732. (2.428 - IF2013). (2014 - Current Contents). ISSN 0002-7820.
- ADCA32 LAUDA, M. - FÜZER, J. - FÜZEROVÁ, Jana - KOLLÁR, P. - STREČKOVÁ, Magdaléna - FÁBEROVÁ, Mária. Magnetic properties of soft magnetic FeSi composite powder cores. In Acta Physica Polonica A, 2014, vol. 126, no. 1, p. 144-145. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA33 MEDVECKÝ, Lubomír - GIRETOVÁ, Mária - ŠTULAJTEROVÁ, Radoslava. Properties and in vitro characterization of polyhydroxybutyrate-chitosan scaffolds prepared by modified precipitation method. In Journal of Materials Science: Materials in Medicine, 2014, vol. 25, p. 777-789. (2.379 - IF2013). (2014 - Current Contents). ISSN 0957-4530.
- ADCA34 MICHÁLEK, Martin - KAŠIAROVÁ, Monika - MICHÁLKOVÁ, Monika - GALUSEK, Dušan. Mechanical and functional properties of Al₂O₃-ZrO₂-MWCNTs nanocomposites. In Journal of the European Ceramic Society, 2014, vol. 34, p. 3329-3337. (2.307 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA35 MICHÁLKOVÁ, Monika - KAŠIAROVÁ, Monika - TATARKO, Peter - DUSZA, Ján - ŠAJGALÍK, Pavol. Effect of homogenization treatment on the fracture behaviour of silicon nitride/graphene nanoplatelets composites. In Journal of the European Ceramic Society, 2014, vol. 34, no. 14, p. 3291-3299. (2.307 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA36 NOVÁKOVÁ, Z., PF UK Bratislava - ORIŇÁKOVÁ, Renáta - ORIŇÁK, Andrej - ŠKANTÁROVÁ, Lenka - HUBÁLEK, Jaromír - LOFAJ, František. Electrochemical synthesis and functionality evaluation of silver nanostructured layers. In Surface and Interface Analysis, 2014, vol. 46, p. 333-339. (1.393 - IF2013). (2014 - Current Contents). ISSN 0142-2421.
- ADCA37 ORIŇÁK, Andrej - ORIŇÁKOVÁ, Renáta - ORSÁGOVÁ KRÁLOVÁ, Zuzana -

- MOROVSKÁ TUROŇOVÁ, Andrea - KUPKOVÁ, Miriam - HRUBOVČÁKOVÁ, Monika - RADOŇÁK, J. - DŽUNDA, Róbert. Sintered metallic foams for biodegradable bone replacement materials. In Journal of Porous Materials, 2014, vol. 21, p. 131-140. (1.316 - IF2013). (2014 - Current Contents). ISSN 1380-2224.
- ADCA38 ORIŇÁKOVÁ, Renáta - ORIŇÁK, Andrej - KUPKOVÁ, Miriam - SABALOVÁ, Mária - FEDORKOVÁ, Andrea - KABÁTOVÁ, Margita - KALAVSKÝ, František - SEDLAŘÍKOVÁ, Marie. Effect of heat treatment on the corrosion and mechanical properties of electrolytical composite Ni-B coatings. In International Journal of Electrochemical Science, 2014, vol. 9, p. 4268-4286. (1.956 - IF2013). (2014 - Current Contents). ISSN 1452-3981.
- ADCA39 PARCIANELLO, G. - BERNARDO, E. - COLOMBO, P. - LENČEŠ, Zoltán - VETREČIN, Michal - ŠAJGALÍK, Pavol - KAŠIAROVÁ, Monika. Pre-ceramic polymer-derived SiAlON as sintering aid for silicon nitride. In Journal of the American Ceramic Society, 2014, vol. 97, no. 11, p. 3407-3412. (2.428 - IF2013). (2014 - Current Contents). ISSN 0002-7820.
- ADCA40 PARCHOVIANSKÝ, Milan - GALUSEK, D. - MICHÁLEK, M. - ŠVANČÁREK, P. - KAŠIAROVÁ, Monika - DUSZA, Ján - HNATKO, Miroslav. Effect of the volume fraction of SiC on the microstructure and creep behavior of hot pressed Al₂O₃/SiC composites. In Ceramics International, 2014, vol. 40, p. 1807-1814. (2.086 - IF2013). (2014 - Current Contents). ISSN 0272-8842.
- ADCA41 PETRYSHYNETS, Ivan - KOVÁČ, František - SOPKO, Martin - MARCIN, Jozef - PETROV, Branislav. Study of Microstructure and Texture Evolution in Grain-Oriented Steels Via Coercivity Measurements. In IEEE Transactions on Magnetics, 2014, vol. 50, no. 4, art. no. 2002004. (1.213 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0018-9464.
- ADCA42 PETRYSHYNETS, Ivan - KOVÁČ, František - MARCIN, Jozef - ŠKORVÁNEK, Ivan. Improved Processing Technique for Preparation of Non-Oriented Electrical Steels with Low Coercivity. In Acta Physica Polonica A, 2014, vol. 126, no. 1, p. 182-183. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA43 PIKNA, Ľubomír - MILKOVIČ, Ondrej - SAKSL, Karel - HEŽELOVÁ, Mária - SMRČOVÁ, Miroslava - PULIŠ, Pavel - MICHALIK, Štefan - GAMCOVÁ, Jana. The structure of nano-palladium deposited on carbon-based supports. In Journal of Solid State Chemistry, 2014, vol. 212, p. 197-204. (2.200 - IF2013). (2014 - Current Contents). ISSN 0022-4596.
- ADCA44 PODOBA, Rudolf - ŠTUBŇA, I. - TRNOVCOVÁ, Viera - TRNÍK, A. Temperature dependence of DC electrical conductivity of kaolin. In Journal of Thermal Analysis and Calorimetry, 2014, vol. 118, p. 597-601. (2.206 - IF2013). (2014 - Current Contents). ISSN 1388-6150.
- ADCA45 PORWAL, Harshit - TATARKO, Peter - SAGGAR, Richa - GRASSO, Salvatore - KUMAR MANI, Mahesh - DUSZA, Ján - REECE, Michael J. Tribological properties of silica-graphene nano-platelet composites. In Ceramics International, 2014, vol. 40, p. 12067-12074. (2.086 - IF2013). (2014 - Current Contents). ISSN 0272-8842.

- ADCA46 STREČKOVÁ, Magdaléna - BAŤKOVÁ, Marianna - BAŤKO, Ivan - HADRABA, Hynek - BUREŠ, Radovan. Imaging of magnetic domains and domain walls in spherical Fe-Si powder using magnetic force microscopy. In Acta Physica Polonica A, 2014, vol. 126, no. 1, p. 92-93. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA47 STREČKOVÁ, Magdaléna - FÜZER, J. - MEDVECKÝ, Ľubomír - BUREŠ, Radovan - KOLLÁR, P. - FÁBEROVÁ, Mária - GIRMAN, Vladimír. Characterization of composite materials based on Fe powder (core) and phenol-formaldehyde resin (shell) modified with nanometer-sized SiO₂. In Bulletin of Materials Science, 2014, vol. 37, no. 2, p. 167-177. (0.870 - IF2013). (2014 - Current Contents). ISSN 0250-4707.
- ADCA48 STREČKOVÁ, Magdaléna - FÜZER, J. - KOBERA, Libor - BRUS, Jiří - FÁBEROVÁ, Mária - BUREŠ, Radovan - KOLLÁR, P. - LAUDA, M. - MEDVECKÝ, Ľubomír - GIRMAN, Vladimír - HADRABA, Hynek - BAŤKOVÁ, Marianna - BAŤKO, Ivan. A comprehensive study of soft magnetic materials based on FeSi spheres and polymeric resin modified by silica nanorods. In Materials Chemistry and Physics, 2014, vol. 147, p. 649-660. (2.129 - IF2013). (2014 - Current Contents). ISSN 0254-0584.
- ADCA49 ŠPÍRKOVÁ, Milena - DUSZOVÁ, Annamária - POREBA, Rafal - KREDATUSOVÁ, Jana - BUREŠ, Radovan - FÁBEROVÁ, Mária - ŠLOUF, Miroslav. Thermoplastic polybutadiene-based polyurethane/carbon nanofiber composites. In Composites Part B: Engineering, 2014, vol. 67, p. 434-440. (2.602 - IF2013). (2014 - Current Contents). ISSN 1359-8368.
- ADCA50 ŠTUBŇA, I. - ŠÍN, P. - TRNÍK, A. - PODOBA, Rudolf - VOZÁR, Libor. Development of Young's modulus of the green alumina porcelain raw mixture. In Journal of the Australian Ceramic Society, 2014, vol. 50, no. 2, p. 36-42. (0.338 - IF2013). (2014 - Current Contents). ISSN 0004-881X.
- ADCA51 TATARKO, Peter - GRASSO, Salvatore - CHLUP, Zdeněk - PORWAL, Harshit - KAŠIAROVÁ, Monika - DLOUHÝ, Ivo - REECE, Michael J. Toughening effect of multi-walled boron nitride nanotubes and their influence on the sintering behaviour of 3Y-TZP zirconia ceramics. In Journal of the European Ceramic Society, 2014, vol. 34, p. 1829-1843. (2.307 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA52 TATARKO, Peter - GRASSO, Salvatore - PORWAL, Harshit - CHLUP, Zdeněk - SAGGAR, Richa - DLOUHÝ, Ivo - REECE, Michael J. Boron nitride nanotubes as a reinforcement for brittle matrices. In Journal of the European Ceramic Society, 2014, vol. 34, p. 3339-3349. (2.307 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA53 VARCHULOVÁ NOVÁKOVÁ, Zuzana - ORIŇÁKOVÁ, Renáta - ORIŇÁK, Andrej - HVIZDOŠ, Pavol - FEDORKOVÁ, Andrea. Elimination voltammetry as a new method for studying the SAM formation. In International Journal of Electrochemical Science, 2014, vol. 9, p. 3846-3863. (1.956 - IF2013). (2014 - Current Contents). ISSN 1452-3981.
- ADCA54 VIOLA, Giuseppe - MCKINNON, Ruth - KOVAL, Vladimír - ADOMKEVICIUS,

Arturas - DUNN, Steve - YAN, Haixue. Lithium-induced phase transitions in lead-free Bi_{0.5}Na_{0.5}TiO₃ based ceramics. In Journal of Physical Chemistry C, 2014, vol. 118, p. 8564-8570. (4.835 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1932-7447.

ADCA55 ZELEŇÁKOVÁ, Adriana - ZELEŇÁK, Vladimír - MAŤKO, Igor - STREČKOVÁ, Magdaléna - HRUBOVČÁK, Pavol - KOVÁČ, Jozef. Superferromagnetism in chain-like Fe@SiO₂ nanoparticle ensembles. In Journal of Applied Physics, 2014, vol. 116, 033907. (2.185 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.

ADCB Vedecké práce v zahraničných karentovaných časopisoch neimpaktovaných

ADCB01 BALKO, Ján - HVIZDOŠ, Pavol - CÓRDOBA, J.M. - CHICARDI, E. Instrumented indentation of composite materials prepared by methods of mechanochemistry. In Key Engineering Materials, 2014, vol. 606, p. 241-244. (2014 - SCOPUS). ISSN 1013-9826.

ADCB02 CSANÁDI, Tamás - BLANDA, Marek - DUSZOVÁ, Annamária - HVIZDOŠ, Pavol - DUSZA, Ján. Nanoindentation and AFM studies on tungsten carbide crystals in WC-Co hardmetal. In Key Engineering Materials, 2014, vol. 606, p. 107-110. (2014 - SCOPUS). ISSN 1013-9826.

ADCB03 DUSZOVÁ, Annamária - HALGAŠ, Radoslav - PRIPUTEN, Pavol - BLANDA, Marek - HVIZDOŠ, Pavol - LOFAJ, František - DUSZA, Ján. Nanohardness of individual phases in WC-Co cemented carbides. In Key Engineering Materials, 2014, vol. 586, p. 23-26. (2014 - SCOPUS). ISSN 1013-9826.

ADCB04 GAVENDOVÁ, Petra - KOVÁČ, František - PETRYSHYNETS, Ivan - SOPKO, Martin - MOLNÁROVÁ, Mária. Nanoindentation measurements in non-oriented silicon steel at elevated temperatures. In Materials Science Forum, 2014, vol. 782, p. 205-208. (2014 - WOS, SCOPUS). ISSN 0255-5476.

ADCB05 HAGAROVÁ, Mária - DZEDZINA, Rastislav - GAVENDOVÁ, Petra. Properties of Ni-Co alloy coating prepared from sulphate bath. In Materials Science Forum, 2014, vol. 782, p. 598-602. (2014 - WOS, SCOPUS). ISSN 0255-5476.

ADCB06 HALGAŠ, Radoslav - DUSZA, Ján - KAIFEROVÁ, Jana - KOVÁCSOVÁ, Lucia - MARKOVSKÁ, Neda. Influence of loading conditions on the deformation behaviour of human enamel studied by instrumented indentation. In Key Engineering Materials, 2014, vol. 586, p. 27-30. (2014 - SCOPUS). ISSN 1013-9826.

ADCB07 HANES, Tomáš - HVIZDOŠ, Pavol - ŤAVODOVÁ, Miroslava - KALINCOVÁ, Daniela - HRICOVÁ, Júlia - BEŇO, Pavel. Coating surface roughness measurement made on coining dies. In Manufacturing Technology, 2014, vol. 14, no. 3, p. 309-317. (2014 - SCOPUS). ISSN 1213-2489.

ADCB08 HOMOLOVÁ, Viera. Prediction of ternary Fe-B-Cr phase diagram. In Materials Science Forum, 2014, vol. 782, p. 45-50. (2014 - WOS, SCOPUS). ISSN 0255-5476.

ADCB09 HRUBOVČÁKOVÁ, Monika - KUPKOVÁ, Miriam - FEDORKOVÁ, Andrea - ORINÁKOVÁ, Renáta - ZELEŇÁK, Adam. Effect of silver content on

- microstructure and corrosion behavior of material prepared from silver coated iron powder. In Materials Science Forum, 2014, vol. 782, p. 499-502. (2014 - WOS, SCOPUS). ISSN 0255-5476.
- ADCB10 HRUBOVČÁKOVÁ, Monika - DUDROVÁ, Eva - KABÁTOVÁ, Margita. Oxide reduction processes, microstructure and properties of sintered chromium pre-alloyed steel. In Materials Science Forum, 2014, vol. 782, p. 487-490. (2014 - WOS, SCOPUS). ISSN 0255-5476.
- ADCB11 HVIŠČOVÁ, Petra - LOFAJ, František - NOVÁK, Michal. Nanohardness of CrN coatings versus deposition parameters. In Key Engineering Materials, 2014, vol. 606, p. 191-194. (2014 - SCOPUS). ISSN 1013-9826.
- ADCB12 HVIZDOŠ, Pavol - JAKUBÉCZYOVÁ, Dagmar - HLOCH, S. - KĽOC, Ján - BALKO, Ján - MONKA, Peter. Local mechanical properties of various bone cements. In Key Engineering Materials, 2014, vol. 592-593, p. 382-385. (2014 - SCOPUS). ISSN 1013-9826.
- ADCB13 JAKUBÉCZYOVÁ, Dagmar - ZUBKO, Pavol - HAGAROVÁ, Mária - ZUBKO, Juraj. Evaluation of local mechanical properties of thin coatings prepared by PVD evaporation. In Key Engineering Materials, 2014, vol. 586, p. 150-153. (2014 - SCOPUS). ISSN 1013-9826.
- ADCB14 KABÁTOVÁ, Margita - FÜZER, J. - FÜZEROVÁ, Jana - DUDROVÁ, Eva - KOLLÁR, P. Mixed and vacuum/pressure impregnated Fe/SiO₂/shellac composites. In Materials Science Forum, 2014, vol. 782, p. 533-536. (2014 - WOS, SCOPUS). ISSN 0255-5476.
- ADCB15 KABÁTOVÁ, Margita - DUDROVÁ, Eva - BRUNCKOVÁ, Helena. Microstructure of composites based on phosphated iron powder. In Materials Science Forum, 2014, vol. 782, p. 495-498. (2014 - WOS, SCOPUS). ISSN 0255-5476.
- ADCB16 KAŠIAROVÁ, Monika - GALUSKOVÁ, Dagmar - PRAMUKOVÁ, Zuzana - TATARKO, Peter - GAALOVÁ, Petra - GALUSEK, Dušan. Corrosion behavior of human teeth measured by nanoindentation method. In Key Engineering Materials, 2014, vol. 606, p. 145-148. (2014 - SCOPUS). ISSN 1013-9826.
- ADCB17 KAŠIAROVÁ, Monika - PRAMUKOVÁ, Zuzana - BODIŠOVÁ, Katarína - DOMANICKÁ, Magdaléna - HNATKO, Miroslav - DUSZA, Ján - ŠAJGALÍK, Pavol - GROMOŠOVÁ, Silvia. Mechanical properties of porous Si₃N₄ ceramics. In Key Engineering Materials, 2014, vol. 586, p. 166-169. (2014 - SCOPUS). ISSN 1013-9826.
- ADCB18 KOTTFER, Daniel - FERDINANDY, Milan - KACZMAREK, Lukasz - HVIZDOŠ, Pavol - KUFFOVÁ, Mariana. Effect of impact angle of evaporated particles on behavior of Ti EB PVD coating. In Advances in Military Technology, 2014, vol. 9, no. 1. ISSN 1802-2308.
- ADCB19 KOVÁČ, František - PETRYSHYNETS, Ivan - BURŠÍK, Jiří - SOPKO, Martin. Influence of new system nano-inhibitors on the abnormal grain growth with goss crystallographic orientation of silicon steels. In Materials Science Forum, 2014, vol. 783-786, p. 2579-2584. (2014 - WOS, SCOPUS). ISSN 0255-5476.
- ADCB20 KOVALČÍKOVÁ, Alexandra - DUSZA, Ján - ŠAJGALÍK, Pavol. Influence of the microstructure on macro/micro versus nanohardness of SiC ceramics. In Key

- Engineering Materials, 2014, vol. 606, p. 197-200. (2014 - SCOPUS). ISSN 1013-9826.
- ADCB21 KUPKOVÁ, Miriam - ORINÁKOVÁ, Renáta - FEDORKOVÁ, Andrea - HRUBOVČÁKOVÁ, Monika. PM materials prepared from powders consisting of polymer coated iron microparticles. In Materials Science Forum, 2014, vol. 782, p. 491-494. (2014 - WOS, SCOPUS). ISSN 0255-5476.
- ADCB22 KUPKOVÁ, Miriam - KUPKA, Martin. On the indentation modulus of sintered materials. In Key Engineering Materials, 2014, vol. 586, p. 190-193. (2014 - SCOPUS). ISSN 1013-9826.
- ADCB23 LOFAJ, František - FERDINANDY, Milan - HORNÁK, Peter. Nanohardness vs. friction behavior in magnetron sputtered and PECVD W-C coatings. In Key Engineering Materials, 2014, vol. 586, p. 35-38. (2014 - SCOPUS). ISSN 1013-9826.
- ADCB24 MILKOVIČ, Ondrej - SAKSL, Karel - HAGAROVÁ, Mária - MICHALIK, Štefan - GAMCOVÁ, Jana. Structure characterisation of electrodeposited Ni-Co alloy. In Materials Science Forum, 2014, vol. 782, p. 603-606. (2014 - WOS, SCOPUS). ISSN 0255-5476.
- ADCB25 MONKOVÁ, Katarína - MONKA, Peter - JAKUBÉCZYOVÁ, Dagmar. The research of the high speed steels produced by powder and casting metallurgy from the view of tool cutting life. In Applied mechanics and materials, 2013, vol. 302, p. 269-274. ISSN 1660-9336.
- ADCB26 NÉMETH, Dušan - KUČERA, Ján - LOFAJ, František - IVANČO, Vladimír. Modeling of stress distribution in dental implant in frontal part of mandible. In Key Engineering Materials, 2014, vol. 606, p. 137-140. (2014 - SCOPUS). ISSN 1013-9826.
- ADCB27 NOVÁK, Michal - LOFAJ, František - HVIŠČOVÁ, Petra. The influence of indentation conditions on nanohardness depth profiles of W-C based coatings. In Key Engineering Materials, 2014, vol. 606, p. 175-178. (2014 - SCOPUS). ISSN 1013-9826.
- ADCB28 OSTROUSHKO, Dmytro - MAZANCOVÁ, Eva - SAKSL, Karel - HALGAŠ, Radoslav. Mechanical and phase analysis of bonding area explosively welded Ti-Cr/Ni steel in as-received state and after heat treatment using synchrotron (BW-5). In Materials Science Forum, 2014, vol. 782, p. 155-160. (2014 - WOS, SCOPUS). ISSN 0255-5476.
- ADCB29 PETRYSHYNETS, Ivan - KOVÁČ, František - MOLNÁROVÁ, Mária - GAVENDOVÁ, Petra - SOPKO, Martin - PETROV, Branislav. Columnar grain growth with enhanced rotation texture in temper rolled NO silicon steels. In Materials Science Forum, 2014, vol. 782, p. 201-204. (2014 - WOS, SCOPUS). ISSN 0255-5476.
- ADCB30 PRAMUKOVÁ, Zuzana - KAŠIAROVÁ, Monika - DOMANICKÁ, Magdaléna - HNATKO, Miroslav - ŠAJGALÍK, Pavol. Determination of local mechanical properties of Si₃N₄ based foams. In Key Engineering Materials, 2014, vol. 606, p. 213-216. (2014 - SCOPUS). ISSN 1013-9826.
- ADCB31 SHVAB, Ruslan - HRYHA, Eduard - SHYKULA, Petro - DUDROVÁ, Eva -

- BERGMAN, Ola - BENGTTSSON, Sven. Microstructure of high Cr-alloyed sintered steel - prediction and analysis. In Materials Science Forum, 2014, vol. 782, p. 473-479. (2014 - WOS, SCOPUS). ISSN 0255-5476.
- ADCB32 SHVAB, Ruslan - HVIZDOŠ, Pavol - DUDROVÁ, Eva - BERGMAN, Ola - BENGTTSSON, Sven. Local mechanical properties of cast and sintered high Cr-alloyed steel. In Key Engineering Materials, 2014, vol. 586, p. 241-244. (2014 - SCOPUS). ISSN 1013-9826.
- ADCB33 SOPKO, Martin - KOVÁČ, František - PETRYSHYNETS, Ivan - MOLNÁROVÁ, Mária - GAVENDOVÁ, Petra. Differential scanning calorimetry and metallographic analysis of Fe-Si electrical steel. In Materials Science Forum, 2014, vol. 782, p. 129-132. (2014 - WOS, SCOPUS). ISSN 0255-5476.
- ADCB34 VOJTKO, Marek - ZUBKO, Pavol - ĎURIŠIN, Martin. Use of decomposition of non-thermoelastic martensite for structural changes of CuZnAl shape memory alloys. In Materials Science Forum, 2014, vol. 782, p. 427-430. (2014 - WOS, SCOPUS). ISSN 0255-5476.

ADDA Vedecké práce v domácich karentovaných časopisoch impaktovaných

- ADDA01 HUANG, Song-Jeng - LIN, Po-Chou - BALLÓKOVÁ, Beáta - HVIZDOŠ, Pavol - BESTERCI, Michal. Tribological behaviour and local mechanical properties of magnesium-alumina composites. In Kovové materiály, 2014, vol. 52, p. 313-319. (0.546 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0023-432X.
- ADDA02 KOVÁČ, Ivan - MIKUŠ, R. - ŽARNOVSKÝ, J. - DRLIČKA, R. - ŽITŇANSKÝ, J. - VÝROSTKOVÁ, Anna. Creation wear resistant boride layers on selected steel grades in electric arc remelting process. In Kovové materiály, 2014, vol. 52, p. 387-394. (0.546 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0023-432X.
- ADDA03 OROLÍNOVÁ, Mária - ĎURIŠIN, Juraj - ĎURIŠINOVÁ, Katarína - DANKOVÁ, Zuzana - BESTERCI, Michal - ĎURIŠIN, Martin - SZABÓ, Juraj. Strengthening mechanisms in the nanocrystalline Cu with Al₂O₃. In Kovové materiály, 2014, vol. 52, p. 395-402. (0.546 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0023-432X.

ADDB Vedecké práce v domácich karentovaných časopisoch neimpaktovaných

- ADDB01 BESTERCI, Michal - DOBEŠ, Ferdinand - KVAČKAJ, Tibor - SÜLLEIOVÁ, Katarína - BALLÓKOVÁ, Beáta - VELGOSOVÁ, Oksana. High temperature mechanical properties of Al-Al₄C₃ composite produced by mechanical alloying. In Acta Metallurgica Slovaca, 2014, vol. 20, no. 3, p. 271-285. (2014 - Current Contents, SCOPUS). ISSN 1338-1156.

ADEA Vedecké práce v zahraničných nekarentovaných časopisoch impaktovaných

- ADEA01 VELGOSOVÁ, Oksana - BESTERCI, Michal - IVAN, Jozef - SÜLLEIOVÁ, Katarína. Influence of technological factors on dispersion strengthened materials

deformation mechanism studied by "in situ tensile test in SEM". In International Journal of Materials and Product Technology, 2014, vol. 49, no. 2/3, p. 129-159. (0.282 - IF2013). (2014 - SCOPUS). ISSN 0268-1900.

ADEB Vedecké práce v zahraničných nekarentovaných časopisoch neimpaktovaných

- ADEB01 ANESTIEV, Lubomir Andreev - GEORGIEV, Jordan S. - SELECKÁ, Marcela. A comparative study of the sintering processes of iron-based powders coated with hydrocarbons and iron powders premixed with graphite. A comparative study using DTA, TGA and mass spectrometer techniques. In Naučni izvestija, 2014, vol. 22, no. 1, p. 239-243. ISSN 1310-3946.
- ADEB02 ANESTIEV, Lubomir Andreev - GEORGIEV, Jordan S. - SELECKÁ, Marcela. Maspektralno izsledvane na otdelenite gazove pri spičane na železni prachove pokriti s vglevodorodi. In Naučni izvestija, 2014, vol. 22, no. 1, p. 234-238. ISSN 1310-3946.
- ADEB03 JAKUBÉCZYOVÁ, Dagmar. Zvyšovanie životnosti razidiel mincí. In MM Průmyslové spektrum, 2014, č. 11, s. 76-83. ISSN 1212-2572.
- ADEB04 KALINCOVÁ, Daniela - ŤAVODOVÁ, Miroslava - HANES, Tomáš - JAKUBÉCZYOVÁ, Dagmar - KAŠTAN, Rudolf. Využitie elektrónovej mikroskopie pri hodnotení kvality povlakov na razidlách mincí. In Strojárska technológia, 2014, roč. 19, č. 3/4, s. 167-174. ISSN 1211-4162.
- ADEB05 PETRÍK, Jozef - BELLA, Peter - GUZANOVÁ, A. - SINAIOVÁ, Iveta. The automatic testers in microhardness measurement and ISE effect. In Annals of Faculty Engineering Hunedoara - International Journal of Engineering, 2014, vol. 12, no. 3, p. 239-242. ISSN 1584-2665.
- ADEB06 ROSENBERG, Gejza - SINAIOVÁ, Iveta - KOČÍK, Marek. Analýza náchylnosti dvojfázových ocelí ku lokalizácii plastickej deformácie. In Strojárska technológia, 2014, roč. 19, č. 3/4, s. 220-227. ISSN 1211-4162.

ADFB Vedecké práce v domácich nekarentovaných časopisoch neimpaktovaných

- ADFB01 BALKO, Ján - KOVALČÍKOVÁ, Alexandra - HVIZDOŠ, Pavol. Effect of static partner material on wear characteristics of yttria stabilized zirconia. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2013, vol. 13, no. 3-4, p. 109-115. ISSN 1335-8978.
- ADFB02 BESTERCI, Michal - SÜLLEIOVÁ, Katarína - BALLÓKOVÁ, Beáta - VELGOSOVÁ, Oksana - IVAN, Jozef. Failure mechanism of Cu-Al₂O₃ micro and nanomaterials observed by "in-situ tensile test in SEM". In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2014, vol. 14, no. 4, p. 228-232. ISSN 1335-8978.
- ADFB03 BLANDA, Marek - HVIZDOŠ, Pavol - KVETKOVÁ, Lenka - DUSZA, Ján. Nanoindentation study of coarse grain alumina. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2013, vol. 13, no. 3-4, p. 116-120. ISSN 1335-8978.

- ADFB04 BRUNCKOVÁ, Helena - MEDVECKÝ, Ľubomír - ĎURIŠIN, Juraj - HVIZDOŠ, Pavol. Particle morphology of perovskite lanthanum tantalate prepared polymeric complex sol-gel method. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2014, vol. 14, no. 4, p. 215-221. ISSN 1335-8978.
- ADFB05 ĎURIŠINOVÁ, Katarína - ĎURIŠIN, Juraj - OROLÍNOVÁ, Mária - ĎURIŠIN, Martin - SZABÓ, Juraj. Microstructure and mechanical properties of nanocrystalline dispersion strengthened copper. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2014, vol. 14, no. 1, p. 58-63. ISSN 1335-8978.
- ADFB06 FIAL, C. - DUDROVÁ, Eva - KABÁTOVÁ, Margita - KUPKOVÁ, Miriam - SELECKÁ, Marcela - SULOWSKI, Maciej - CIAS, A. The effects of heat treatment on the microstructure and mechanical properties of sintered Fe-2Cu-1.5Mo-0.5C and Fe-0.2Mo-1.5Cr-1.5Ni-0.8Mn-0.4C steels. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2014, vol. 14, no. 3, p. 137-147. ISSN 1335-8978.
- ADFB07 GIERL, C. - JALILIZIYAEIAN, Maryam - DANNINGER, Herbert - DUDROVÁ, Eva. Impact behaviour of sintered steels prepared from manganese prealloyed powders. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2014, vol. 14, no. 2, p. 73-84. ISSN 1335-8978.
- ADFB08 HADRABA, Hynek - STREČKOVÁ, Magdaléna - HUSÁK, Roman - ROUPCOVÁ, Pavla. Mechanical alloying of 80Ni-14.7Fe-4.4Mo-0.5Mn-0.3Si soft magnetic permalloy type material. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2014, vol. 14, no. 4, p. 208-214. ISSN 1335-8978.
- ADFB09 HADRABA, Hynek - HUSÁK, Roman - KUBĚNA, Ivo - BUREŠ, Radovan - FÁBEROVÁ, Mária - STREČKOVÁ, Magdaléna. Preparation of ferritic 17%Cr ODS steel by mechanical alloying from prealloyed steel powder. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2014, vol. 14, no. 4, p. 222-227. ISSN 1335-8978.
- ADFB10 HAGAROVÁ, Mária - JAKUBÉCZYOVÁ, Dagmar. Metodiky určovania vlastností PVD povlakov aplikovaných PVD technológiami. In Tribotechnika, 2014, roč. 7, č. 2, s. 56-59. ISSN 1338-0524.
- ADFB11 HRUBOVČÁKOVÁ, Monika - KUPKOVÁ, Miriam - ZELEŇÁK, Adam - ORINÁKOVÁ, Renáta - MOROVSKÁ TUROŇOVÁ, Andrea. Corrosion properties of iron based biodegradable foams. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2014, vol. 14, no. 3, p. 168-173. ISSN 1335-8978.
- ADFB12 HVIŠČOVÁ, Petra - LOFAJ, František - NOVÁK, Michal. The influence of deposition conditions on the nanohardness and scratch behavior of thin DC magnetron sputtered CrN coatings. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2013, vol. 13, no. 3-4, p. 121-131. ISSN 1335-8978.
- ADFB13 JAKUBÉCZYOVÁ, Dagmar - BALLÓKOVÁ, Beáta. Analysis of tribological properties of multi- and nanocomposite coatings deposited on a PM substrate. In Powder Metallurgy Progress : Journal of Science and Technology of Particle

- Materials, 2014, vol. 14, no. 1, p. 46-51. ISSN 1335-8978.
- ADFB14 KUPKOVÁ, Miriam - HRUBOVČÁKOVÁ, Monika - ZELEŇÁK, Adam. Structure and compressive properties of iron and iron-phosphorus PM foams. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2014, vol. 14, no. 3, p. 174-178. ISSN 1335-8978.
- ADFB15 MEDVECKÝ, Ľubomír - GIRETOVÁ, Mária - ŠTULAJTEROVÁ, Radoslava - DANKOVÁ, Zuzana. Effect of surfactant addition on properties and in-vitro behaviour of tetracalcium phosphate-nanomonetite cements. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2013, vol. 13, no. 2, p. 79-89. ISSN 1335-8978.
- ADFB16 MEDVECKÝ, Ľubomír - HUDÁK, Radovan - GIRETOVÁ, Mária - ŠTULAJTEROVÁ, Radoslava. Corrosion resistance and in-vitro osteoblast response of calcium-phosphate coated titanium substrates prepared by laser sintering. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2013, vol. 13, no. 2, p. 71-78. ISSN 1335-8978.
- ADFB17 NOVÁK, Michal - LOFAJ, František - HVIŠČOVÁ, Petra. The effect of residual stresses on nanoindentation behavior of thin W-C based coatings. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2013, vol. 13, no. 3-4, p. 132-138. ISSN 1335-8978.
- ADFB18 OROLÍNOVÁ, Mária - ĎURIŠIN, Juraj - ĎURIŠINOVÁ, Katarína - DANKOVÁ, Zuzana - ĎURIŠIN, Martin - SZABÓ, Juraj. Thermal stability of Cu-Al₂O₃ and CuCr materials. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2014, vol. 14, no. 2, p. 108-112. ISSN 1335-8978.
- ADFB19 PAĽO, Miroslav - MRÁZ, Ľuboš - BAKAJOVÁ, Jana - BRZIAK, Peter - HOMOLOVÁ, Viera. Vlastnosti austenitickej ocele BGA4 a jej zvarových spojov. In Zváranie : odborný časopis so zameraním na zváranie a príbuzné technológie, 2014, č. 3/4, s. 51-59. ISSN 0044-5525.
- ADFB20 PRAMUKOVÁ, Zuzana - KAŠIAROVÁ, Monika - DOMANICKÁ, Magdaléna - HNATKO, Miroslav - ŠAJGALÍK, Pavol. Influence of the preparation of Si₃N₄ based foams on the compressive strength and processing flaws. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2013, vol. 13, no. 3-4, p. 139-146. ISSN 1335-8978.
- ADFB21 ROSENBERG, Gejza - SINAIOVÁ, Iveta - JUHÁR, Ľuboš. Deformation zone size around drilled hole in DP steels. In Materials Engineering - Materiálové inžinierstvo, 2014, vol. 21, p. 46-52. ISSN 1335-0803.
- ADFB22 SHVAB, Ruslan - HRYHA, Eduard - SHYKULA, Petro - BERGMAN, Ola - BENGTSSON, Sven - DUDROVÁ, Eva. Prediction, formation and analysis of microstructure of high chromium-alloyed PM stainless steel sintered in different atmospheres. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2007, vol. 14, no. 2, p. 99-107. ISSN 1335-8978.
- ADFB23 SHVAB, Ruslan - HRYHA, Eduard - DUDROVÁ, Eva - BERGMAN, Ola - BENGTSSON, Sven. Surface analysis of water atomised high chromium alloyed steel powder by x-ray photoelectron spectroscopy. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2013, vol. 13, no. 2, p. 57-

62. ISSN 1335-8978.

- ADFB24 SHVAB, Ruslan - DUDROVÁ, Eva - BERGMAN, Ola - BENGTSSON, Sven. Effect of sintering atmosphere on the microstructure of high Cr-alloyed sintered stainless steel. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2013, vol. 13, no. 3-4, p. 103-108. ISSN 1335-8978.
- ADFB25 SMIRNOV, V.V. - SMIRNOV, Sergey V. - KRYLOV, A.I. - ANTONOVA, O.S. - GOLDBERG, Margarita A. - SHVORNEVA, L.I. - TITOV, D.D. - MEDVECKÝ, Lubomír - BAIKIN, Alexander - BARINOV, S.M. Ceramics based on zirconia with a low sintering temperature. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2014, vol. 14, no. 3, p. 148-155. ISSN 1335-8978.
- ADFB26 STREČKOVÁ, Magdaléna - FÁBEROVÁ, Mária - BUREŠ, Radovan - KOBERA, Libor - BRUS, Jiří. Design of SMC base on FeSi and modified resin. In Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials, 2013, vol. 13, no. 3-4, p. 147-151. ISSN 1335-8978.

**AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch (aj konferenčných),
monografiách**

- AEC01 BALLÓKOVÁ, Beáta - BALOG, Martin - BESTERCI, Michal - SÜLLEIOVÁ, Katarína - HUANG, Song-Jeng. Microstructure, mechanical properties and fracture of Mg-Al₂O₃ nano composites. In ICCE-22 : 22nd annual international conference on composites/nano engineering. Saint Julian's, Malta, 13.-19.7.2014. Ed. David Hui. - B.V., 2014.
- AEC02 BESTERCI, Michal - VELGOSOVÁ, Oksana - IVAN, Jozef - SÜLLEIOVÁ, Katarína. Failure mechanism of Cu-Al₂O₃ micro and nanomaterials observed by "in situ tensile test in SEM". In ICCE-22 : 22nd annual international conference on composites/nano engineering. Saint Julian's, Malta, 13.-19.7.2014. Ed. David Hui. - B.V., 2014.
- AEC03 BLACH, Juraj - FALAT, Ladislav. Vplyv vodíka na porušovanie a vzhľad lomu zvarových spojov žiarupevných ocelí pre energetické zariadenia po ťahovom namáhaní pri teplote okolia. In Přínos metalografie pro řešení výrobních problémů : 13. česko-slovenská konference. Sborník přednášek. Lázně Libverda, 17.-19.6.2014. Eds. J. Kasl, P. Zuna. - Praha : Fakulta strojní ČVUT, 2014, s. 235-241. ISBN 978-80-01-05474-1.
- AEC04 DUDROVÁ, Eva - KABÁTOVÁ, Margita - ORIŇÁKOVÁ, Renáta. Sintered composite materials on the basis of Fe/FePO₄ coated powders. In Euro PM 2014 : International powder metallurgy congress and exhibition. Salzburg, 21.-24.9.2014. - Shrewsbury : EPMA, 2014. ISBN 978-1-899072-44-6.
- AEC05 FIAL, C. - CIAS, A. - SULOWSKI, Maciej - DUDROVÁ, Eva - KABÁTOVÁ, Margita - KUPKOVÁ, Miriam - SELECKÁ, Marcela. Wpływ obróbki cieplnej na własności i mikrostruktury stali DH-1 i 34HNM wytworzonych techniką metalurgii proszków. In Prace szkoły inżynierii materiałowej : Monografia pod redakcją prof. Jerzego Pacyny. - Ryto, 2014, p. 1-7.
- AEC06 KABÁTOVÁ, Margita - DUDROVÁ, Eva - FÜZER, J. - FÜZEROVÁ, Jana -

KOLLÁR, P. SMCs Fe/(0.4-2.0 wt.%)SiO₂/polymer prepared by vacuum/pressure impregnation. In Euro PM 2014 : International powder metallurgy congress and exhibition. Salzburg, 21.-24.9.2014. - Shrewsbury : EPMA, 2014. ISBN 978-1-899072-44-6.

- AEC07 KALINCOVÁ, Daniela - ŤAVODOVÁ, Miroslava - HANES, Tomáš - JAKUBÉCZYOVÁ, Dagmar - KAŠTAN, Rudolf. Využitie elektrónovej mikroskopie pri hodnotení kvality povlakov na razidlách mincí. In 3. mezinárodní konference NDT 2014 : Mikroskopie a nedestruktivní zkoušení materiálů 2014. Sborník příspěvků. Ústí nad Labem, 22.-24.10.2014. Ed. Martin Novák. - Ústí nad Labem : Univerzita J.E. Purkyně, 2014, s. 254-261. ISBN 978-80-7414-755-5.
- AEC08 PETRYSHYNETS, Ivan - KOVÁČ, František - SOPKO, Martin. Evolution of microstructure and texture in NO silicon steels under gradient deformation. In Fortschritte in der Metallographie : Berichte der 14. Internationalen Metallographie-Tagung. Leoben, 17.-19.9.2014. Eds. Svea Mayer, Michael Panzenböck, Helmut Clemens. - Bonn : Inventum GmbH, 2014, p. 89-94. ISBN 978-3-88355-403-7.
- AEC09 ROSENBERG, Gejza - SINAIOVÁ, Iveta - KOČÍK, Marek. Analýza náchylnosti dvojfázových ocelí ku lokalizácii plastickej deformácie. In 3. mezinárodní konference NDT 2014 : Mikroskopie a nedestruktivní zkoušení materiálů 2014. Sborník příspěvků. Ústí nad Labem, 22.-24.10.2014. Ed. Martin Novák. - Ústí nad Labem : Univerzita J.E. Purkyně, 2014, s. 205-211. ISBN 978-80-7414-755-5.
- AEC10 ROSENBERG, Gejza - SINAIOVÁ, Iveta - JUHÁR, Ľuboš. Účinok interkritického kalenia na vlastnosti ocelí valcovaných za tepla a za studena. In Přínos metalografie pro řešení výrobních problémů : 13. česko-slovenská konference. Sborník přednášek. Lázně Libverda, 17.-19.6.2014. Eds. J. Kasl, P. Zuna. - Praha : Fakulta strojní ČVUT, 2014, s. 9-13. ISBN 978-80-01-05474-1.
- AEC11 ROSENBERG, Gejza - SINAIOVÁ, Iveta. Vplyv mikroštruktúrnych heterogenít na vývoj lokálnych deformácií a rozmer plastickej zóny pred čelom rastúcich trhlín. In Přínos metalografie pro řešení výrobních problémů : 13. česko-slovenská konference. Sborník přednášek. Lázně Libverda, 17.-19.6.2014. Eds. J. Kasl, P. Zuna. - Praha : Fakulta strojní ČVUT, 2014, s. 177-183. ISBN 978-80-01-05474-1.

**AED Vedecké práce v domácich recenzovaných vedeckých zborníkoch (aj konferenčných),
monografiách**

- AED01 DOMANICKÁ, Magdaléna - PRAMUKOVÁ, Zuzana - KAŠIAROVÁ, Monika - HNATKO, Miroslav - ŠAJGALÍK, Pavol. Porous silicon nitride based ceramics for bioapplication. In Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 927-930. ISBN 978-80-223-3592-8.
- AED02 HAGAROVÁ, Mária - JAKUBÉCZYOVÁ, Dagmar - FEČKOVÁ, Zuzana - DÚL, Gabriel. Tribological properties of Ni-Co electroplated coatings. In Materiál v inžinierskej praxi 2014 : Zborník 9. medzinárodnej vedecko-technickej konferencie. Herľany, 12.-13.6.2014. Ed. M. Buršák a kol. - Košice : Hutnícka fakulta TU, 2014,

p. 29. ISBN 978-80-553-1719-9.

- AED03 JAKUBÉCZYOVÁ, Dagmar. Nano-multicomponent coatings deposited by modern PVD technologies. In Nanotechnológia a tribológia : Odborný seminár. Košice, 11.12.2013 [elektronický zdroj]. Eds. Eva Zdravecká, Jana Tkáčová. - Košice : Strojnícka fakulta TU, 2014, p. 29-35. ISBN 978-80-553-1635-2. CD. CD ROM.
- AED04 PETRYSHYNETS, Ivan - KOVÁČ, František - SOPKO, Martin. The microstructure and texture design of Fe-Si steels and their influence on the final magnetic properties. In Sensorika a magnetometria 2013 : Zborník prezentácií a príspevkov z vedeckej konferencie s medzinárodnou účasťou. Košice, 5.12.2013. Ed. J. Blažek. - Košice : Letecká fakulta TU, 2013, p. 61-65. ISBN 978-80-553-1540-9. CD. CD ROM.

**AEE Vedecké práce v zahraničných nerecenzovaných vedeckých zborníkoch (aj konferenčných),
monografiách**

- AEE01 ANESTIEV, Lubomir Andreev - GEORGIEV, Jordan S. - SELECKÁ, Marcela. A comparative study of the processes at sintering of coated Fe-powders. In 7th International powder metallurgy conference. Ankara, 24.-28.6.2014. - B.V., 2014.
- AEE02 BALKO, Ján - DŽUPON, Miroslav - HVIZDOŠ, Pavol. Replikačné techniky tvarovo zložitých povrchov s PVD povlakmi. In Vrstvy a povlaky 2014 : Zborník prednášok. Rožnov pod Radhoštěm, 20.-21.10.2014. - Trenčín : Kníhviazačstvo, s.r.o., 2014, s. 13-16. ISBN 978-80-970824-3-7.
- AEE03 DŽUPON, Miroslav - BALKO, Ján. Replikačné techniky a topografia povrchu PVD povlakov. In Vrstvy a povlaky 2014 : Zborník prednášok. Rožnov pod Radhoštěm, 20.-21.10.2014. - Trenčín : Kníhviazačstvo, s.r.o., 2014, s. 45-48. ISBN 978-80-970824-3-7.
- AEE04 HRUBOVČÁKOVÁ, Monika - KUPKOVÁ, Miriam - ORIŇÁKOVÁ, Renáta - MOROVSKÁ TUROŇOVÁ, Andrea. Biologicky odbúrateľné peny z fosfatovaného železného prášku pre ortopedické aplikácie. In Vrstvy a povlaky 2014 : Zborník prednášok. Rožnov pod Radhoštěm, 20.-21.10.2014. - Trenčín : Kníhviazačstvo, s.r.o., 2014, s. 69-73. ISBN 978-80-970824-3-7.
- AEE05 HÚLAN, Tomáš - MEDVEĎ, Igor - TRNÍK, A. - PODOBA, Rudolf. Kinetics of high- temperature sintering in an illite-based ceramic body studied by thermodilatometry. In Thermophysics 2014 : 19th international meeting of Thermophysical society. Podkylava, 8.-10.10.2014. - Brno : Brno University of Technology, 2014, p. 53-60. ISBN 978-80-214-5034-9.
- AEE06 JAKUBÉCZYOVÁ, Dagmar - HANES, Tomáš - KALINCOVÁ, Daniela. Zvyšovanie životnosti razidiel mincí aplikáciou tvrdých PVD povlakov. In Vrstvy a povlaky 2014 : Zborník prednášok. Rožnov pod Radhoštěm, 20.-21.10.2014. - Trenčín : Kníhviazačstvo, s.r.o., 2014, s. 75-78. ISBN 978-80-970824-3-7.
- AEE07 KEPIČ, Ján - FALAT, Ladislav - VÝROSTKOVÁ, Anna. Vplyv počiatočného tepelného spracovania a následnej izotermálnej expozície heterogénneho zvarového spoja ocele T92 na jeho tvrdosť a krehko-lomové vlastnosti. In Kotle a energetická

- zařízení : Sborník příspěvků. Brno, 17.-19.3.2014. - B.V., 2014. ISSN 1804-6673.
- AEE08 KOVÁČ, František - PETRYSHYNETS, Ivan. Preparation of NO silicon steels with columnar microstructure using temper rolling process at elevated temperature. In MST14 : Proceedings of Materials science and technology 2014. Pittsburgh, 12.-16.10.2014. - B.V., 2014, p. 517-524. ISBN 978-0-87339-763-6.
- AEE09 KUPKOVÁ, Miriam - HRUBOVČÁKOVÁ, Monika - ZELEŇÁK, Adam. Štruktúra a vlastnosti v tlaku Fe a Fe-P kovových pien. In Vrstvy a povlaky 2014 : Zborník prednášok. Rožnov pod Radhoštěm, 20.-21.10.2014. - Trenčín : Kníhviazačstvo, s.r.o., 2014, s. 119-122. ISBN 978-80-970824-3-7.
- AEE10 KVETKOVÁ, Lenka - HVIŠČOVÁ, Petra - NOVÁK, Michal - LOFAJ, František - FERDINANDY, Milan - DORČÁKOVÁ, Františka. Vplyv biasu a acetylénu na nanotvrdosť W-C povlakov pripravených metódou HiTUS. In Vrstvy a povlaky 2014 : Zborník prednášok. Rožnov pod Radhoštěm, 20.-21.10.2014. - Trenčín : Kníhviazačstvo, s.r.o., 2014, s. 123-126. ISBN 978-80-970824-3-7.
- AEE11 LOFAJ, František - HVIŠČOVÁ, Petra - KVETKOVÁ, Lenka. Hard W-C based coatings by highly ionized sputtering techniques. In Vrstvy a povlaky 2014 : Zborník prednášok. Rožnov pod Radhoštěm, 20.-21.10.2014. - Trenčín : Kníhviazačstvo, s.r.o., 2014, p. 127-132. ISBN 978-80-970824-3-7.
- AEE12 ORIŇÁKOVÁ, Renáta - ORIŇÁK, Andrej - KUPKOVÁ, Miriam - HRUBOVČÁKOVÁ, Monika - MACKO, Ján. Biodegradable materials for orthopedic applications. In 14. pracovný setkání fyzikálních chemiků a elektrochemiků : Sborník příspěvků. Brno, 3.-4.6.2014. - Brno : Masarykova univerzita, 2014, p. 118-120. ISBN 978-80-210-6842-1.
- AEE13 ŠÍN, P. - TRNÍK, A. - PODOBA, Rudolf - ŠTUBŇA, I. Mechanical properties of alumina porcelain after firing. In Thermophysics 2014 : 19th international meeting of Thermophysical society. Podkylava, 8.-10.10.2014. - Brno : Brno University of Technology, 2014, p. 112-119. ISBN 978-80-214-5034-9.

AEF Vedecké práce v domácích nerecenzovaných vedeckých zborníkoch, monografiách

- AEF01 CSANÁDI, Tamás - BLANDA, Marek - DUSZOVÁ, Annamária - HVIZDOŠ, Pavol - DUSZA, Ján. Nanohardness determination of WC single crystals in WC-Co hardmetal. In SEMDOK 2014 : 19th international seminar of Ph.D. students. Terchová, 29.-31.1.2014. - Žilina : University of Žilina, 2014, p. 18-21 ISBN 978-80-554-0832-3.
- AEF02 NÉMETH, Dušan - LOFAJ, František - KUČERA, Ján. Distribúcia napätí v sánkovej kosti a dentálnom implantáte pomocou metódy konečných prvkov. In SEMDOK 2014 : 19th International seminar of Ph.D. students. Terchová, 29.-31.1.2014. - Žilina : University of Žilina, 2014, s. 170-175 ISBN 978-80-554-0832-3.
- AEF03 REPOVSKÝ, Peter - HOMOLOVÁ, Viera. Modelovanie fázového diagramu systému V-Mn-B. In SEMDOK 2014 : 19th International seminar of Ph.D. students. Terchová, 29.-31.1.2014. - Žilina : University of Žilina, 2014, s. 186-189 ISBN 978-80-554-0832-3.

AEF04 ZELEŇÁK, Adam - KUPKOVÁ, Miriam - HRUBOVČÁKOVÁ, Monika. Mikrotvrdosť spekaných biologicky odbúrateľných materiálov pripravených PM technológiami. In SEMDOK 2014 : 19th International seminar of Ph.D. students. Terchová, 29.-31.1.2014. - Žilina : University of Žilina, 2014, s. 194-197 ISBN 978-80-554-0832-3.

AFDB Publikované príspevky na domácich vedeckých konferenciách

AFDB01 DOMANICKÁ, Magdaléna - HNATKO, Miroslav - LENČEŠ, Zoltán - PRAMUKOVÁ, Zuzana - KAŠIAROVÁ, Monika - ŠAJGALÍK, Pavol. Preparation and characterization of Si₃N₄ - HA porous composites. In Príprava a vlastnosti progresívnych keramických materiálov : Odborný seminár. Zborník rozšírených abstraktov. Terchová-Biely Potok, 26.-28.11.2014. Ed. D. Galusková. - Trenčín : Trenčianska univerzita A. Dubčeka, 2014, s. 44-50. ISBN 978-80-8075-667-3.

AFDB02 GAALOVÁ, Petra - GALUSKOVÁ, Dagmar - ŠVANČÁRKOVÁ, Anna - BALKO, Ján - GALUSEK, Dušan. Vplyv korózie v kyslom prostredí na mikromechanické vlastnosti a odolnosti voči opotrebeniu ľudskej zubnej skloviny. In Príprava a vlastnosti progresívnych keramických materiálov : Odborný seminár. Zborník rozšírených abstraktov. Terchová-Biely Potok, 26.-28.11.2014. Ed. D. Galusková. - Trenčín : Trenčianska univerzita A. Dubčeka, 2014, s. 6-7. ISBN 978-80-8075-667-3.

AFDB03 NOVÁK, Michal - LOFAJ, František - HVIŠČOVÁ, Petra - CSANÁDI, Tamás - PODOBA, Rudolf - NÉMETH, Dušan. Optimization of nanoindentation conditions for measurements of mechanical properties of thin W-C based coatings. In Príprava a vlastnosti progresívnych keramických materiálov : Odborný seminár. Zborník rozšírených abstraktov. Terchová-Biely Potok, 26.-28.11.2014. Ed. D. Galusková. - Trenčín : Trenčianska univerzita A. Dubčeka, 2014, s. 36-40. ISBN 978-80-8075-667-3.

AFDB04 PRAMUKOVÁ, Zuzana - KAŠIAROVÁ, Monika - DOMANICKÁ, Magdaléna - HNATKO, Miroslav - ŠAJGALÍK, Pavol. Mechanické vlastnosti vysoko pórovitých Si₃N₄ materiálov. In Príprava a vlastnosti progresívnych keramických materiálov : Odborný seminár. Zborník rozšírených abstraktov. Terchová-Biely Potok, 26.-28.11.2014. Ed. D. Galusková. - Trenčín : Trenčianska univerzita A. Dubčeka, 2014, s. 41-43. ISBN 978-80-8075-667-3.

AFDB05 ŠVANČÁRKOVÁ, Anna - GALUSKOVÁ, Dagmar - GAALOVÁ, Petra - BALKO, Ján - GALUSEK, Dušan. Vplyv korózie v kyslom prostredí na mikromechanické vlastnosti a odolnosti voči opotrebeniu leucitovej dentálnej keramiky. In Príprava a vlastnosti progresívnych keramických materiálov : Odborný seminár. Zborník rozšírených abstraktov. Terchová-Biely Potok, 26.-28.11.2014. Ed. D. Galusková. - Trenčín : Trenčianska univerzita A. Dubčeka, 2014, s. 66-68. ISBN 978-80-8075-667-3.

AFE Abstrakty pozvaných príspevkov zo zahraničných konferencií

- AFE01 ŠAJGALÍK, Pavol - HNATKO, Miroslav - LENČEŠ, Zoltán - KOVALČÍKOVÁ, Alexandra. Easy machinable SiC ceramics with high electrical conductivity. In ISSNOX4. 4th international symposium on SiAlONs and non-oxides, may 25-28, 2014, Nagahama Royal Hotel, Shiga, Japan : program & abstracts. - Japan, 2014, p. 23.
- AFE02 ŠAJGALÍK, Pavol - SEDLÁČEK, Jaroslav - LENČEŠ, Zoltán - DUSZA, Ján - LIN, Hua-Tay. Additive-free hot-pressed silicon carbide ceramics - a material with exceptional mechanical properties. In ISNT 2014. 8th international symposium on nitrides in conjunction with 7th international workshop on spinel nitrides and related materials and Marie Curie ITN 7th framework program FUNEA, Wildbad Kreuth, Germany, august 31st - september 5th, 2014 : conference program with abstracts. - Germany : Technische Universität Darmstadt, 2014, p. 39.

**AFFA Abstrakty pozvaných príspevkov z medzinárodných vedeckých konferenciíh
poriadaných v SR**

- AFFA01 DUSZA, Ján. Nano-indentation and micropillar testing of WC grains in WC-Co. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 23. ISBN 978-80-970964-8-9.

AFG Abstrakty príspevkov zo zahraničných konferencií

- AFG01 BLANDA, Marek - DUSZOVÁ, Annamária - CSANÁDI, Tamás - HVIZDOŠ, Pavol - LOFAJ, František - DUSZA, Ján - MORGIEL, Jerzy. Nanohardness testing of WC-Co hardmetal. In 10th international conference on the science of hard materials 2014 : ICSHM10. Extended abstracts. Cancún, Mexico, 10.-14.3.2014. - B.V., 2014, p. 79-80.
- AFG02 DYMÁČEK, Petr - DOBEŠ, Ferdinand - BALLÓKOVÁ, Beáta. Compressive creep testing of MoSi₂-SiC nanocomposites. In The Czech-Japanese workshop on high-temperature intermetallics. Brno, 13.-16.4.2014. - B.V., 2014, p. 19.
- AFG03 HOMOLOVÁ, Viera - ČIRIPOVÁ, Lucia - VÝROSTKOVÁ, Anna. Study of phase equilibria in Fe-B-Cr ternary system. In The associated phase diagram and thermodynamics committee : 14th annual meeting. Book of abstracts. Krakow, 29.3.2014. - Krakow : IMMS PAS, 2014, p. 12.
- AFG04 HOMOLOVÁ, Viera - ČIRIPOVÁ, Lucia - VÝROSTKOVÁ, Anna. Experimental and theoretical study of Fe-B-Cr ternary system. In TOFA 2014 : 14th discussion meeting on the thermodynamics of alloys. Book of abstracts. Brno, 7.-11.9.2014. - B.V., 2014, p. 100.
- AFG05 HVIZDOŠ, Pavol - BALKO, Ján - CÓRDOBA, J.M. - CHICARDI, E. Nanoindentation of (Ti,Ta)(C,N)-Co cermets prepared by methods of mechanochemistry. In 10th international conference on the science of hard materials 2014 : ICSHM10. Extended abstracts. Cancún, Mexico, 10.-14.3.2014. - B.V., 2014, p. 187-188.
- AFG06 KOVAL, Vladimír - ŠKORVÁNEK, Ivan - MITOSERIU, L. - YAN, Haixue. A weak

- ferromagnetism in Tb-substituted BiFeO₃ ceramics. In COST MP0904: Single- and multiphase ferroics and multiferroics with restricted geometries (SIMUFER) : Closing conference and final management committee meeting. Book of abstracts. Genoa, 30.1.-1.2.2014. - B.V., 2014.
- AFG07 ORINÁK, Andrej - ORINÁKOVÁ, Renáta - KUPKOVÁ, Miriam - HRUBOVČÁKOVÁ, Monika - HARVANOVÁ, Denisa - RADOŇAK, J. Degradable iron biomaterials with manganese-doped hydroxyapatite film. In Nature inspires chemistry engineers. NICE 2014 : 2nd international conference Bioinspired and biobased chemistry and materials. Abstracts. - B.V., 2014, p. 450.
- AFG08 ORINÁKOVÁ, Renáta - ORINÁK, Andrej - KUPKOVÁ, Miriam - HRUBOVČÁKOVÁ, Monika - GIRETOVÁ, Mária - MEDVECKÝ, Ľubomír - MASKALOVÁ, Iveta. Evaluation of biocompatibility of iron based degradable biomaterials. In Nature inspires chemistry engineers. NICE 2014 : 2nd international conference Bioinspired and biobased chemistry and materials. Abstracts. - B.V., 2014, p. 451.
- AFG09 PRAMUKOVÁ, Zuzana - KAŠIAROVÁ, Monika - DOMANICKÁ, Magdaléna - HNATKO, Miroslav - ŠAJGALÍK, Pavol. Microstructure and mechanical properties of biomaterials based on silicon nitride. In Training school COST action NAMABIO MP1005 : 3rd course. From nano- to macro- biomaterials (design, processing, characterization, modelling) and applications to STEM cells regenerative orthopaedic and dental medicine. Zagreb, 26.-29.4.2014. - B.V., 2014.
- AFG10 PRAMUKOVÁ, Zuzana - KAŠIAROVÁ, Monika - DOMANICKÁ, Magdaléna - HNATKO, Miroslav - ŠAJGALÍK, Pavol. The mechanical properties of cellular silicon nitride. In CellMAT 2014 : Cellular Materials. Dresden, 22.-24.10.2014. - DGM, 2014.

AFHA Abstrakty príspevkov z medzinárodných vedeckých konferenciách poriadaných v SR

- AFHA01 BALKO, Ján - HVIZDOŠ, Pavol - HLOCH, S. - KL'OC, Ján - MONKA, Peter. Wear and mechanical properties of various bone cements. In Local mechanical properties 2014. LMP 2014 : 11th conference on Local mechanical properties. Book of abstracts. Stará Lesná, 12.-14.11.2014. - Košice : Institute of Materials Research SAS, 2014, p. 30. ISBN 978-80-970964-9-6.
- AFHA02 BALKO, Ján - KOVALČÍKOVÁ, Alexandra - HVIZDOŠ, Pavol. Effect of static partner material on wear characteristics of yttria stabilized zirconia. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 53. ISBN 978-80-970964-8-9.
- AFHA03 BALKO, Ján - HVIZDOŠ, Pavol - BALÁZSI, Csaba. Wear damage of silicon nitride/graphene composites. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 54. ISBN 978-80-970964-8-9.
- AFHA04 BESTERCI, Michal - SÜLLEIOVÁ, Katarína - BALLÓKOVÁ, Beáta -

- VELGOSOVÁ, Oksana - IVAN, Jozef. Failure mechanism of Cu-Al₂O₃ micro and nanomaterials observed by "in situ tensile test in SEM". In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 52. ISBN 978-80-970964-8-9.
- AFHA05 BRUNCKOVÁ, Helena - MEDVECKÝ, Ľubomír - ĎURIŠIN, Juraj - HVIZDOŠ, Pavol. Particle morphology of perovskite lanthanum tantalate prepared by polymeric complex sol-gel method. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 48. ISBN 978-80-970964-8-9.
- AFHA06 CSANÁDI, Tamás - BLANDA, Marek - CHINH, Nguyen Quang - HVIZDOŠ, Pavol - DUSZA, Ján. Orientation dependent hardness and deformation mechanisms under nanoindentation of WC grains. In Local mechanical properties 2014. LMP 2014 : 11th conference on Local mechanical properties. Book of abstracts. Stará Lesná, 12.-14.11.2014. - Košice : Institute of Materials Research SAS, 2014, p. 18. ISBN 978-80-970964-9-6.
- AFHA07 CSANÁDI, Tamás - BLANDA, Marek - DUSZOVÁ, Annamária - HVIZDOŠ, Pavol - DUSZA, Ján. Nano-indentation and micropillar testing of WC grains in WC-Co. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 23. ISBN 978-80-970964-8-9.
- AFHA08 CSANÁDI, Tamás - BLANDA, Marek - DUSZOVÁ, Annamária - HVIZDOŠ, Pavol - DUSZA, Ján. Nanoindentation on differently orientated WC grains in WC-Co hardmaterial. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 50. ISBN 978-80-970964-8-9.
- AFHA09 DUDROVÁ, Eva - KABÁTOVÁ, Margita. Interpretation of fracture mechanisms and failure in sintered steels. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 21. ISBN 978-80-970964-8-9.
- AFHA10 ĎURIŠINOVÁ, Katarína - ĎURIŠIN, Juraj - OROLÍNOVÁ, Mária - ĎURIŠIN, Martin - SZABÓ, Juraj. Microstructure and mechanical properties of nanocrystalline dispersion strengthened copper. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 36. ISBN 978-80-970964-8-9.
- AFHA11 DYMÁČEK, Petr - DOBEŠ, Ferdinand - BALLÓKOVÁ, Beáta. Compressive creep testing of MoSi₂-SiC nanocomposites. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 30. ISBN 978-80-970964-8-9.
- AFHA12 DŽUPON, Miroslav - BALKO, Ján - BREZINOVÁ, Janette. Non-destructive diagnostics of the surfaces of tools and sheets. In Surface Engineering 2014 : Book of abstracts: International scientific conference. High Tatras, 23.-24.10.2014. - Košice : Technická univerzita, 2014, p. 20. ISBN 978-80-553-1816-5.

- AFHA13 FIAL, C. - DUDROVÁ, Eva - KABÁTOVÁ, Margita - KUPKOVÁ, Miriam - SELECKÁ, Marcela - SULOWSKI, Maciej - CIAS, A. The effects of heat treatment on the microstructure and mechanical properties of sintered Fe-2Cu-1.5Mo-0.5C and Fe-0.2Mo-0.8Mn-1.5Cr-1.5Ni-0.4C steels. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 20. ISBN 978-80-970964-8-9.
- AFHA14 GIERL, C. - JALILIZIYAEIAN, Maryam - DANNINGER, Herbert - DUDROVÁ, Eva. Impact behaviour of sintered steels prepared from Mn prealloyed powders. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 15. ISBN 978-80-970964-8-9.
- AFHA15 HADRABA, Hynek - STREČKOVÁ, Magdaléna - HUSÁK, Roman - ROUPCOVÁ, Pavla. Mechanical alloying of 80Ni-14.7Fe-4.4Mo-0.5Mn-0.3Si soft magnetic material of permalloy type. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 32. ISBN 978-80-970964-8-9.
- AFHA16 HADRABA, Hynek - HUSÁK, Roman - KUBĚNA, Ivo - BUREŠ, Radovan - FÁBEROVÁ, Mária - STREČKOVÁ, Magdaléna. Preparation of ferritic 17%Cr ODS steel by mechanical alloying from prealloyed steel powder. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 51. ISBN 978-80-970964-8-9.
- AFHA17 HNATKO, Miroslav - KAŠIAROVÁ, Monika - GALUSKOVÁ, Dagmar - BYSTRICKÝ, Roman - LENČEŠ, Zoltán - ŠAJGALÍK, Pavol. Corrosion of engineering ceramic materials (silicon nitride and SiAlON) by molten iron. In SSC 2014. 11th conference on solid state chemistry, Trenčianske Teplice, Slovak Republic, 6-11 July 2014 : book of abstracts. - Slovak Republic, 2014, p. 138. ISBN 978-80-971648-0-5.
- AFHA18 HRUBOVČÁKOVÁ, Monika - KUPKOVÁ, Miriam - ZELEŇÁK, Adam - ORIŇÁKOVÁ, Renáta - MOROVSKÁ TUROŇOVÁ, Andrea. Corrosion properties of iron based biodegradable foams. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 45. ISBN 978-80-970964-8-9.
- AFHA19 HVIŠČOVÁ, Petra - KVETKOVÁ, Lenka - LOFAJ, František - NOVÁK, Michal - PODOBA, Rudolf - FERDINANDY, Milan. Mechanical and tribological properties of HiPIMS and HiTUS W-C based coatings. In Local mechanical properties 2014. LMP 2014 : 11th conference on Local mechanical properties. Book of abstracts. Stará Lesná, 12.-14.11.2014. - Košice : Institute of Materials Research SAS, 2014, p. 63. ISBN 978-80-970964-9-6.
- AFHA20 JAKUBÉCZYOVÁ, Dagmar - BALLÓKOVÁ, Beáta. Analyse of tribological properties of multi- and nanocomposite coating applied on PM substrate. In Deformation and fracture in PM materials DFPM 2014 : International conference.

- Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 33. ISBN 978-80-970964-8-9.
- AFHA21 KABÁTOVÁ, Margita - DUDROVÁ, Eva - FÜZER, J. - FÜZEROVÁ, Jana - KOLLÁR, P. Preparation, microstructure and properties of the SMCs Fe/(0.4-2.6)%SiO₂/polymer. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 49. ISBN 978-80-970964-8-9.
- AFHA22 KAŠIAROVÁ, Monika - MICHÁLKOVÁ, Monika - DUSZA, Ján - ŠAJGALÍK, Pavol. Scratch resistance of the Si₃N₄-graphene nanoplatelets composites. In Local mechanical properties 2014. LMP 2014 : 11th conference on Local mechanical properties. Book of abstracts. Stará Lesná, 12.-14.11.2014. - Košice : Institute of Materials Research SAS, 2014, p. 63. ISBN 978-80-970964-9-6.
- AFHA23 KOVALČÍKOVÁ, Alexandra - BALKO, Ján - BALÁZSI, Csaba - HVIZDOŠ, Pavol - DUSZA, Ján. Mechanical and tribological properties of hBN/Si₃N₄ ceramics composites. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 24. ISBN 978-80-970964-8-9.
- AFHA24 KRYLOV, A.I. - SMIRNOV, V.V. - SMIRNOV, Sergey V. - ANTONOVA, O.S. - GOLDBERG, Margarita A. - LYSENKOV, Anton S. - SHVORNEVA, L.I. - MEDVECKÝ, Ľubomír - ĎURIŠIN, Juraj - BARINOV, S.M. Study of sintering and microstructure of composite materials based on system zirconia-alumina containing fluorhydroxyapatite. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 43. ISBN 978-80-970964-8-9.
- AFHA25 KUPKOVÁ, Miriam - HRUBOVČÁKOVÁ, Monika - ZELEŇÁK, Adam. Structure and compressive properties of iron and iron-phosphorus PM foams. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 46. ISBN 978-80-970964-8-9.
- AFHA26 NÉMETH, Dušan - LOFAJ, František - KUČERA, Ján. FEA of the cortical bone thickness effect on the stress distribution in dental implants. In Local mechanical properties 2014. LMP 2014 : 11th conference on Local mechanical properties. Book of abstracts. Stará Lesná, 12.-14.11.2014. - Košice : Institute of Materials Research SAS, 2014, p. 53. ISBN 978-80-970964-9-6.
- AFHA27 NOVÁK, Michal - LOFAJ, František - HVIŠČOVÁ, Petra - PODOBA, Rudolf - SAHUL, M. - ČAPLOVIČ, Ľubomír. Nanohardness of DC magnetron sputtered W-C coatings as a function of composition and residual stresses. In Local mechanical properties 2014. LMP 2014 : 11th conference on Local mechanical properties. Book of abstracts. Stará Lesná, 12.-14.11.2014. - Košice : Institute of Materials Research SAS, 2014, p. 13. ISBN 978-80-970964-9-6.
- AFHA28 OROLÍNOVÁ, Mária - ĎURIŠIN, Juraj - ĎURIŠINOVÁ, Katarína - DANKOVÁ, Zuzana - ĎURIŠIN, Martin - SZABÓ, Juraj. Thermal stability of Cu-Al₂O₃ and CuCr material. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice :

- Institute of Materials Research SAS, 2014, p. 37. ISBN 978-80-970964-8-9.
- AFHA29 PRAMUKOVÁ, Zuzana - KAŠIAROVÁ, Monika - DOMANICKÁ, Magdaléna - HNATKO, Miroslav - ŠAJGALÍK, Pavol. Preparation and properties of silicon nitride cellular biomaterials for bone replacement. In SSC 2014. 11th conference on solid state chemistry, Trenčianske Teplice, Slovak Republic, 6-11 July 2014 : book of abstracts. - Slovak Republic, 2014, p. 147. ISBN 978-80-971648-0-5.
- AFHA30 PRAMUKOVÁ, Zuzana - KAŠIAROVÁ, Monika - DOMANICKÁ, Magdaléna - HNATKO, Miroslav - ŠAJGALÍK, Pavol. Local mechanical properties of highly porous Si₃N₄ for trabecular bone replacement. In Local mechanical properties 2014. LMP 2014 : 11th conference on Local mechanical properties. Book of abstracts. Stará Lesná, 12.-14.11.2014. - Košice : Institute of Materials Research SAS, 2014, p. 61. ISBN 978-80-970964-9-6.
- AFHA31 SHVAB, Ruslan - HRYHA, Eduard - SHYKULA, Petro - BERGMAN, Ola - DUDROVÁ, Eva - BENGTSSON, Sven. Prediction, formation and analysis of microstructure of high chromium-alloyed PM stainless steel sintered in different atmospheres. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 18. ISBN 978-80-970964-8-9.
- AFHA32 SMIRNOV, V.V. - SMIRNOV, Sergey V. - KRYLOV, A.I. - ANTONOVA, O.S. - GOLDBERG, Margarita A. - SHVORNEVA, L.I. - TITOV, D.D. - MEDVECKÝ, Ľubomír - BAIKIN, Alexander - BARINOV, S.M. Ceramics based on zirconia with a low sintering temperature. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 25. ISBN 978-80-970964-8-9.
- AFHA33 STREČKOVÁ, Magdaléna - HADRABA, Hynek - ROUPCOVÁ, Pavla - BUREŠ, Radovan. Soft magnetic composite base on ferromagnetic core and NiFe₂O₄ shell. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 31. ISBN 978-80-970964-8-9.
- AFHA34 ZELEŇÁK, Adam - KUPKOVÁ, Miriam. Hardness of sintered Fe-Mn samples with microgradient structure. In Local mechanical properties 2014. LMP 2014 : 11th conference on Local mechanical properties. Book of abstracts. Stará Lesná, 12.-14.11.2014. - Košice : Institute of Materials Research SAS, 2014, p. 62. ISBN 978-80-970964-9-6.
- AFHA35 ZELEŇÁK, Adam. The impact of microgradient structure on the mechanical properties of investigated systems. In Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. - Košice : Institute of Materials Research SAS, 2014, p. 47. ISBN 978-80-970964-8-9.

AFHB Abstrakty príspevkov z domácich konferencií

- AFHB01 BALKO, Ján - HVIZDOŠ, Pavol - BALÁZSI, Csaba. Opatrebenie kompozitov Si₃N₄/grafén pri izbovej a zvýšených teplotách. In Príprava a vlastnosti

progresívnych keramických materiálov, odborný seminár, 18.-19. november 2013 : zborník rozšírených abstraktov. Ružín, 18.-19.11.2013. - Bratislava : Ústav anorganickej chémie SAV, 2013, s. 6-7. ISBN 978-80-971499-4-9.

- AFHB02 BLANDA, Marek - CSANÁDI, Tamás - DUSZOVÁ, Annamária - HVIZDOŠ, Pavol - DUSZA, Ján - FARYNA, Marek - MORGIEL, Jerzy. Vplyv orientácie zrn na ich tvrdosť v systéme WC-9CO. In Príprava a vlastnosti progresívnych keramických materiálov, odborný seminár : zborník rozšírených abstraktov. Ružín, 18.-19.11.2013. - Bratislava : Ústav anorganickej chémie SAV, 2013, s. 8-10. ISBN 978-80-971499-4-9.
- AFHB03 CSANÁDI, Tamás - BLANDA, Marek - DUSZOVÁ, Annamária - HVIZDOŠ, Pavol - DUSZA, Ján. Investigation of WC monocrystals in WC-Co composite using nanoindentation and AFM techniques. In Príprava a vlastnosti progresívnych keramických materiálov, odborný seminár : zborník rozšírených abstraktov. Ružín, 18.-19.11.2013. - Bratislava : Ústav anorganickej chémie SAV, 2013, p. 11-14. ISBN 978-80-971499-4-9.
- AFHB04 HEGEDÜSOVÁ, Lucia - DUSZA, Ján. Laminar ceramics - contact strength and crack formation. In Príprava a vlastnosti progresívnych keramických materiálov, odborný seminár : zborník rozšírených abstraktov. Ružín, 18.-19.11.2013. - Bratislava : Ústav anorganickej chémie SAV, 2013, p. 23-25. ISBN 978-80-971499-4-9.
- AFHB05 HORNĀK, Peter - FERDINANDY, Milan - LOFAJ, František. Vplyv podmienok depozície nanokompozitných WC-C povlakov na ich nanotvrdosť a tribologické vlastnosti. In Príprava a vlastnosti progresívnych keramických materiálov, odborný seminár : zborník rozšírených abstraktov. Ružín, 18.-19.11.2013. - Bratislava : Ústav anorganickej chémie SAV, 2013, s. 26-28. ISBN 978-80-971499-4-9.
- AFHB06 KOVALČÍKOVÁ, Alexandra - BALKO, Ján - BALÁZSI, Csaba - DUSZA, Ján - HVIZDOŠ, Pavol. Influence of H-BN content on mechanical properties and wear resistance of BN/Si₃N₄ composites. In Príprava a vlastnosti progresívnych keramických materiálov, odborný seminár : zborník rozšírených abstraktov. Ružín, 18.-19.11.2013. - Bratislava : Ústav anorganickej chémie SAV, 2013, p. 42-43. ISBN 978-80-971499-4-9.
- AFHB07 KVETKOVÁ, Lenka - DUSZOVÁ, Annamária - KAŠIAROVÁ, Monika - DORČÁKOVÁ, Františka - DUSZA, Ján - BALÁZSI, Csaba. Influence of processing on fracture toughness of Si₃N₄ + graphene platelet composites. In Príprava a vlastnosti progresívnych keramických materiálov, odborný seminár : zborník rozšírených abstraktov. Ružín, 18.-19.11.2013. - Bratislava : Ústav anorganickej chémie SAV, 2013, p. 44-47. ISBN 978-80-971499-4-9.

AGJ Autorské osvedčenia, patenty, objavy

- AGJ01 KOTTFER, Daniel - FERDINANDY, Milan - DUSZA, Ján - LOFAJ, František. Zariadenie na vytváranie ochranných vrstiev na vnútorných plochách rotačných telies odparovaním látky elektrickým lúčom : Patent č. 288254. Banská Bystrica : Úrad priemyselného vlastníctva SR, 2014.

DAI	Dizertačné	a habilitačné	práce
DAI01	<u>BALGA, Dušan</u> . Atómová štruktúra kovových skiel a ich teplotná stabilita : Písomná práca k dizertačnej skúške. Košice : Ústav materiálového výskumu SAV, 2014. 63 s.		
DAI02	<u>NOVÁK, Michal</u> . Mechanické a nanomechanické vlastnosti vysokotvrdých povlakov : Písomná práca k dizertačnej skúške. Trnava : MTF STU, 2014. 85 s.		
DAI03	<u>PRAMUKOVÁ, Zuzana</u> . Mikroštruktúra a mechanické vlastnosti biomateriálov na báze nitridu kremičitého : Písomná časť dizertačnej skúšky. Košice : Ústav materiálového výskumu SAV, 2014. 93 s.		
DAI04	<u>REPOVSKÝ, Peter</u> . Modelovanie fázových diagramov systémov s bórom : Písomná práca k dizertačnej skúške. Košice : HF TU a ÚMV SAV, 2014. 57 s.		
DAI05	<u>SHVAB, Ruslan</u> . High temperature properties of PM components for turbocharger applications : PhD thesis. Košice : HF TU, 2014. 147 p.		
DAI06	<u>SOPČÁK, Tibor</u> . Vplyv prídavku fázy na báze bioskla na vlastnosti kompozitných kalcium fosfátových systémov : Písomná časť dizertačnej práce. Košice : HF TU a ÚMV SAV, 2014. 70 s.		

FAI Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...)

FAI01	Deformation and fracture in PM materials DFPM 2014 : International conference. Book of abstracts. Stará Lesná, 26.-29.10.2014. Beáta Ballóková et al. Košice : Institute of Materials Research SAS, 2014. ISBN 978-80-970964-8-9.
FAI02	Local mechanical properties 2014. LMP 2014 : 11th conference on Local mechanical properties. Book of abstracts. Stará Lesná, 12.-14.11.2014. Ed. L. Kvetková et al. Košice : Institute of Materials Research SAS, 2014. 63 p. ISBN 978-80-970964-9-6.
FAI03	Kovové materiály. Editor Juraj Lapin ; výkonný redaktor Natália Mináriková. Bratislava : Ústav materiálov a mechaniky strojov SAV : Ústav materiálového výskumu SAV, 1963-. 6x ročne. ISSN 0023-432X.
FAI04	Powder Metallurgy Progress : Journal of Science and Technology of Particle Materials. Košice : Ústav materiálového výskumu SAV. ISSN 1335-8978.
FAI05	Acta Metallurgica Slovaca. Košice : Technická univerzita - Hutnícka fakulta : Ústav materiálového výskumu SAV. ISSN 1338-1156.