

## Publikácie / Publications

**Department: SAVMAMES - Ústav materiálov a mechaniky strojov SAV**  
**Year of publication 2012~2015**

### **Statistics publication category**

ABC	Chapters in scientific monographs published abroad	1
ACD	Chapters in academic/university textbooks published in Slovak publishing houses	1
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	41
ADDA	Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)	22
ADEB	Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)	8
ADFB	Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)	15
ADMA	Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus	3
ADMB	Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus	12
ADNB	Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus	2
AEC	Scientific papers in foreign peer-reviewed proceedings, monographs	37
AECA	Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks	1
AED	Scientific papers in domestic peer-reviewed proceedings, monographs	1
AFC	Published papers from foreign scientific conferences	20
AFD	Published papers from domestic scientific conferences	3
AFDB	Published papers from domestic scientific conferences	4
AFE	Abstracts of invited papers from foreign conferences	4
AFFA	Abstracts of invited papers from international conferences in Slovakia	2
AFG	Abstracts of papers from foreign conferences	34
AFH	Abstracts of papers from domestic conferences	3
AFHA	Abstracts of papers from international conferences in Slovakia	13
AFHB	Abstracts of papers from domestic conferences	2
AFK	Foreign conferences posters	10
BEE	Professional papers in foreign proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	2
BEF	Professional papers in domestic proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	7
DAI	Dissertations and habilitation theses	5

GHG	Works published on the internet	3
GII	Other publications and documents which is not possible to categorize into classes/categories mentioned above	4
<b>Count</b>		<b>260</b>

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

ABC01 JERZ, Jaroslav. An overview of Slovak institutions engaged with materials science and engineering. In *Innovation Process in ICSTI Community : Issues of modern applied materials science.* - ICSTI, 2012.

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

ACD01 MÚČKA, Peter. Dynamické účinky vozidiel na vozovku. In *Mechanika vozoviek pozemných komunikácií.* - Žilina : EDIS, 2014, s. 81-94. ISBN 978-80-554-0934-4.

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

ADCA01 BALOG, Martin - KRÍŽIK, Peter - NOSKO, Martin - HÁJOVSKÁ, Zuzana - CASTRO RIGLOS, Maria Victoria - RAJNER, Walter - LIU, De-Shin - SIMANČÍK, František. Forged HITEMAL: Al-based MMCs strengthened with nanometric thick Al<sub>2</sub>O<sub>3</sub> skeleton. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2014, vol. A 613, p. 82-90. (2.409 - IF2013). (2014 - Current Contents). ISSN 0921-5093.

ADCA02 BALOG, Martin - YU, P. - QIAN, M. - BEHULOVA, M. - ŠVEC, Peter - CICKA, R. Nanoscaled Al-AIN composites consolidated by equal channel angular pressing (ECAP) of partially in situ nitrided Al powder. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2013, vol. 562, p. 190-195. (2.108 - IF2012). (2013 - Current Contents, WOS,SCOPUS). ISSN 0921-5093.

ADCA03 BALOG, Martin - HU, Tao - KRÍŽIK, Peter - CASTRO RIGLOS, Maria Victoria - SALLER, Brandon D. - YANG, Hanry - SCHÖENUNG, Julie M. - LAVERNIA, Enrique J. On the thermal stability of ultrafine-grained Al stabilized by in-situ amorphous Al<sub>2</sub>O<sub>3</sub> network. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2015, vol. 648, p. 61-71. ISSN 0921-5093.

ADCA04 BALOG, Martin - KRÍŽIK, Peter - YAN, M. - SIMANČÍK, František - SCHAFFER, G.B. - QUIAN, M. SAP-like ultrafine-grained Al composites dispersion strengthened with nanometric AlN. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2013, vol. A 588, p.181-187. (2.108 - IF2012). (2013 - Current Contents, WOS,SCOPUS). ISSN 0921-5093.

ADCA05 BERTOK, Tomas - SEDIVA, A. - KATRLIK, Jaroslav - GEMEINER, Pavol - MIKULA, Milan - NOSKO, Martin - TKÁČ, Ján. Label-free detection of

glycoproteins by the lectin biosensor down to attomolar level using gold nanoparticles. In *Talanta*, 2013, vol. 108, p. 11-18. (3.498 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0039-9140.

- ADCA06 ČAVOJSKÝ, Miroslav - BALOG, Martin - DVORÁK, Jiří - ILLEKOVÁ, Emília - ŠVEC, Peter - KRÍŽIK, Peter - JANIČKOVIČ, Dušan - SIMANČÍK, František. Microstructure and properties of extruded rapidly solidified AlCr4.7Fe1.1Si0.3 (at.%) alloys. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2012, vol.549, p.233-241. (2.003 - IF2011). (2012 - Current Contents, SCOPUS, WOS). ISSN 0921-5093.
- ADCA07 DUSZA, Ján - MORGIEL, Jerzy - DUSZOVÁ, Annamária - KVETKOVÁ, Lenka - NOSKO, Martin - KUN, Péter - BALÁZSI, Csaba. Microstructure and fracture toughness of Si<sub>3</sub>N<sub>4</sub>+graphene platelet composites. In *Journal of the European Ceramic Society*, 2012, vol. 32, p. 3389-3397. (2.353 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA08 GRANČIČ, B. - MIKULA, Marian - ROCH, T. - ZEMAN, Petr - SATRAPINSKY, L. - GREGOR, M. - PLECENIK, T. - DOBROČKA, Edmund - HÁJOVSKÁ, Zuzana - MIČUŠÍK, Matej - ŠATKA, A. - ZAHORAN, M. - PLECENIK, Andrej - KÚŠ, P. Effect of Si addition on mechanical properties and high temperature oxidation resistance of Ti-B-Si hard coatings. In *Surface and coatings technology*, 2014, vol.240, p.48-54. (2.199 - IF2013). (2014 - Current Contents). ISSN 0257-8972.
- ADCA09 JANÁK, Marián - FROITZHEIM, Nikolaus - YOSHIDA, Kenta - SASINKOVÁ, Vlasta - NOSKO, Martin - KOBAYASHI, T. - HIRAJIMA, Takao - VRABEC, Mirjam. Diamond in metasedimentary crustal rocks from Pohorje, Eastern Alps: a window to deep continental subduction. In *Journal of Metamorphic Geology*, 2015, vol. 33, p. 495-512. (4.147 - IF2014). (2015 - Current Contents). ISSN 0263-4929.
- ADCA10 JANEK, Marián - MATEJDES, Marián - ZACHER, Tomáš - VINCZE, A. - ŠATKA, A. - HAŠKO, D. - UHEREK, F. - DARMO, Juraj - SZÖCS, Vojtech - KAVECKÝ, Štefan - DANIELIK, Vladimír - VELIČ, Dušan - LORENC, Dušan - SRNÁNEK, R. - MATUŠKA, Jozef. Dielectric Properties of Boron Nitride in THz Region Synthesized with Nonenergetic CVD. In *International Journal of Applied Ceramic Technology*, 2013, vol.10, no.1, p.1-10. (1.153 - IF2012). (2013 - Current Contents). ISSN 1744-7402.
- ADCA11 KAVECKÝ, Štefan - VALÚCHOVÁ, Jana - ČAPLOVIČOVÁ, Mária - HEISSLER, Stefan - ŠAJGALÍK, Pavol - JANEK, Marián. Nontronites as catalyst for synthesis of carbon nanotubes by catalytic chemical vapor deposition. In *Applied Clay Science*, 2015, vol. 114, p. 170-178. (2.467 - IF2014). (2015 - Current Contents). ISSN 0169-1317.
- ADCA12 KHODABAKHSHI, Farzad - SIMCHI, Abdolreza - KOKABI, Amirhossein - NOSKO, Martin - ŠVEC, Peter. Strain rate sensitivity, work hardening, and fracture behavior of an Al-Mg TiO<sub>2</sub> nanocomposite Prepared by friction stir processing. In

*Metallurgical and materials transactions A : physical metallurgy and materials science*, 2014, vol. 45A, iss. 9, p. 4073-4088. (1.730 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1073-5623.

- ADCA13 KHODABAKHSHI, F. - SIMCHI, A. - KOKABI, A. H. - GERLICH, A. P. - NOSKO, Martin. Effects of stored strain energy on restoration mechanisms and texture components in an aluminum-magnesium alloy prepared by friction stir processing. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2015, vol. 642, p. 204-214. ISSN 0921-5093.
- ADCA14 KHODABAKHSHI, F. - SIMCHI, A. - KOKABI, A.H. - GERLICH, A.P. - NOSKO, Martin. Effects of post-annealing on the microstructure and mechanical properties of friction stir processed Al-Mg-TiO<sub>2</sub> nanocomposites. In *Materials and Design*, 2014, vol. 63, p. 30-41. (3.171 - IF2013). (2014 - Current Contents). ISSN 0261-3069.
- ADCA15 KHODABAKHSHI, F. - SIMCHI, A. - KOKABI, A.H. - ŠVEC, Peter - SIMANČÍK, František - GERLICH, A.P. Effects of nanometric inclusions on the microstructural characteristics and strengthening of a friction-stir processed aluminum-magnesium alloy. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2015, vol. 642, p. 215-229. (2.567 - IF2014). (2015 - Current Contents). ISSN 0921-5093.
- ADCA16 KHODABAKHSHI, F. - SIMCHI, A. - KOKABI, A.H. - NOSKO, Martin - SIMANČÍK, František - ŠVEC, Peter. Microstructure and texture development during friction stir processing of Al-Mg alloy sheets with TiO<sub>2</sub> nanoparticles. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2014, vol.605, no. 5, p.108-118. (2.409 - IF2013). (2014 - Current Contents). ISSN 0921-5093.
- ADCA17 KOVÁČIK, Jaroslav - EMMER, Š. - BIELEK, J. Thermal conductivity of Cu-graphite composites. In *International Journal of Thermal Sciences*, 2015, vol. 90, p. 298-302. (2.629 - IF2014). (2015 - Current Contents). ISSN 1290-0729.
- ADCA18 KRÍŽIK, Peter - BALOG, Martin - ILLEKOVÁ, Emília - ŠVEC, Peter - MAŤKO, Igor - ŠTĚPÁNEK, Matěj - NOSKO, Martin - SIMANČÍK, František. The oxidation behavior of gas-atomized Al and Al alloy powder green compacts during heating before hot extrusion and the suggested heating process. In *Journal of Materials Processing Technology*, 2014, vol.214, p.1165-1172. (2.041 - IF2013). (2014 - Current Contents). ISSN 0924-0136.
- ADCA19 KVETKOVÁ, Lenka - DORČÁKOVÁ, Františka - NOSKO, Martin - DUSZA, Ján - KUN, Péter - BALÁZSI, Csaba. Indentation toughness of Si<sub>3</sub>N<sub>4</sub> reinforced with graphene platelets. In *Chemické listy*, 2012, vol. 106, p. s407-s408. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770.

- ADCA20 LAPIN, Juraj - STANEKOVÁ, Hana. Creep Deformation of Intermetallic TiAl-Based Alloy. In *Acta Physica Polonica A*, 2012, vol.122, no.3, p.453-456. (0.444 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA21 LOFAJ, František - MOSKALEWICZ, Tomasz - CEMPURA, Gregorz - MIKULA, Marian - DUSZA, Ján - CZYRSKA-FILEMONOWICZ, Aleksandra. Nanohardness and tribological properties of nc-TiB<sub>2</sub> coatings. In *Journal of the European Ceramic Society*, 2013, vol.33, p.2347-2353. (2.360 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- ADCA22 MIKULA, Marian - ROCH, T. - PLAŠIENKA, Dušan - SATRAPINSKÝ, L. - ŠVEC, Peter - VLČKOVÁ, D. - DVORANOVÁ, M. - GRANČIČ, B. - GREGOR, M. - PLECENIK, A. - KÚŠ, P. Thermal stability and structural evolution of quaternary Ti-Ta-B-N coatings. In *Surface and coatings technology*, 2014, vol. 259, p. 698 - 706. (2.199 - IF2013). (2014 - Current Contents). ISSN 0257-8972.
- ADCA23 MIKULA, Marian - GRANČIČ, B. - DRIENOVSKÝ, M. - SATRAPINSKÝ, L. - ROCH, T. - HÁJOVSKÁ, Zuzana - GREGOR, M. - PLECENÍK, T. - ČIČKA, R. - PLECENÍK, Andrej - KÚŠ, P. Thermal stability and high-temperature oxidation behavior of Si-Cr-N coatings with high content of silicon. In *Surface and coatings technology*, 2013, vol.232, p.349-356. (1.941 - IF2012). (2013 - Current Contents, SCOPUS). ISSN 0257-8972.
- ADCA24 MOONEY, Robin P. - MCFADDEN, Shaun - GABALCOVÁ, Zuzana - LAPIN, Juraj. An experimental - numerical method for estimating heat transfer in a Bridgman furnace. In *Applied Thermal Engineering*, 2014, vol.67, pp.61 - 71. (2.624 - IF2013). (2014 - Current Contents). ISSN 1359-4311.
- ADCA25 MÚČKA, Peter - GRANLUND, Johan. Comparison of longitudinal unevenness of old and repaired highway lanes. In *Journal of Transportation Engineering ASCE*, 2012, vol.138, no.3, p.371-380. (0.620 - IF2011). (2012 - Current Contents, SCOPUS, WOS). ISSN 0733-947X.
- ADCA26 MÚČKA, Peter. Correlation among Road Unevenness Indicators and Vehicle Vibration Response. In *Journal of Transportation Engineering ASCE*, 2013, vol.139, p.771-786. (0.863 - IF2012). (2013 - Current Contents, SCOPUS, WOS). ISSN 0733-947X.
- ADCA27 MÚČKA, Peter. Influence of road profile obstacles on road unevenness indicators. In *Road Materials and Pavement Design*, 2013, vol.14, no.3, pp.689-702. (0.642 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1468-0629.
- ADCA28 MÚČKA, Peter - GAGNON, L. Influence of tyre-road contact model on vehicle vibration response. In *Vehicle System Dynamics*, 2015, vol. 53, iss. 9, p. 1227-1246. ISSN 0042-3114.
- ADCA29 MÚČKA, Peter - GRANLUND, J. Is the Road Quality Still Better? In *Journal of Transportation Engineering*, 2012, vol.138, no.12, p.1520-1529. (0.620 - IF2011). (2012 - Current Contents, WOS). ISSN 0733-947X.

- ADCA30 MÚČKA, Peter. Longitudinal road profile spectrum approximation by split straight lines. In *Journal of Transportation Engineering*, 2012, vol. 138, no. 2, p. 243-251. (0.620 - IF2011). (2012 - Current Contents, WOS). ISSN 0733-947X.
- ADCA31 MÚČKA, Peter. Model of coherence function of road unevenness in parallel tracks for vehicle simulation. In *International Journal of Vehicle Design*, 2015, vol. 67, no. 1, p. 77 - 97. (0.405 - IF2014). (2015 - Current Contents). ISSN 0143-3369.
- ADCA32 MÚČKA, Peter. Relationship between International Roughness Index and Straightedge Index. In *Journal of Transportation Engineering*, 2012, vol. 138, iss. 9, p. 1099-1112. (0.620 - IF2011). (2012 - Current Contents, WOS). ISSN 0733-947X.
- ADCA33 NAGY, Štefan - NOSKO, Martin - OROVČÍK, Ľubomír - IŽDINSKÝ, Karol - KÚDELA, Stanislav, Jr. - KRÍŽIK, Peter. Pre-review study of the aluminum/alumina master alloy made through pressure infiltration : Short communication. In *Materials and Design*, 2015, vol. 66 Part A, p. 1-6. (3.501 - IF2014). (2015 - Current Contents). ISSN 0261-3069.
- ADCA34 OROVČÍK, Ľubomír - NOSKO, Martin - ŠVEC, Peter - NAGY, Štefan - ČAVOJSKÝ, Miroslav - SIMANČÍK, František - JERZ, Jaroslav. Effect of the TiH<sub>2</sub> pre-treatment on the energy absorption ability of 6061 aluminium alloy foam. In *Materials Letters*, 2015, vol. 148, p. 82-85. (2.489 - IF2014). (2015 - Current Contents). ISSN 0167-577X.
- ADCA35 PANGALLO, Domenico - BUČKOVÁ, Mária - KRAKOVÁ, Lucia - PUŠKÁROVÁ, Andrea - ŠAKOVÁ, Nikoleta - GRIVALSKÝ, Tomáš - CHOVANOVÁ, Katarína - ZEMÁNKOVÁ, Milina. Biodeterioration of epoxy resin: a microbial survey through culture-independent and culture-dependent approaches. In *Environmental microbiology*, 2015, vol. 17, iss. 2, p. 462–479. (6.201 - IF2014). (2015 - Current Contents). ISSN 1462-2912.
- ADCA36 RANACHOWSKI, Przemysław - KÚDELA, Stanislav, Jr. - REJMUND, F. - RANACHOWSKI, Z. - PAWELEK, Andrzej - PIATKOWSKI, Andrzej. Evaluation of the mullite hypothesis in respect of electrotechnical porcelains = Ocena mulitowej teorii wzmacnienia w zastosowaniu do porcelan elektrotechnicznych. In *Archives of Metallurgy and Materials*, 2013, vol. 54, no.4, p.1177-1181. (0.431 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1733-3490.
- ADCA37 RANACHOWSKI, Z. - JÓŹWIAK-NIEDZWIEDZKA, D. - RANACHOWSKI, Przemysław - REJMUND, F. - DĄBROWSKI, M. - KÚDELA, Stanislav, Jr. - DVORÁK, Tomáš. Application of X-ray microtomography and optical microscopy to determine the microstructure of concrete penetrated by carbon dioxide = Zastosowanie mikrotomografii komputerowej i mikroskopii optycznej do oceny mikrostruktury betonów poddanych działaniu CO<sub>2</sub>. In *Archives of Metallurgy and Materials*, 2014, vol. 59, no. 4, p. 1441-1447. (0.763 - IF2013). (2014 - Current Contents). ISSN 1733-3490. Dostupné na internete: <<http://www.imim.pl>>.
- ADCA38 RANACHOWSKI, Z. - JÓŹWIAK-NIEDZWIEDZKA, D. - RANACHOWSKI, P. - DĄBROWSKI, M. - KÚDELA, Stanislav, Jr. - DVORÁK, Tomáš. The determination of diffusive tortuosity in concrete specimens using X-ray

microtomography. In *Archives of Metallurgy and Materials*, 2015, vol. 60, iss. 2, p. 1115-1119. ISSN 1733-3490.

ADCA39 STANEKOVÁ, Hana - LAPIN, Juraj - PELACHOVÁ, Tatiana. Controlling Mechanisms of Creep Deformation of New Air-Hardenable TiAl-Based Alloy. In *Acta Physica Polonica A*, 2012, vol.122, no.3, p.504-507. (0.444 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.

ADCA40 ŠEBO, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - ILLEKOVÁ, Emília - ZEMÁNKOVÁ, Milina - PLEVACHUK, Yu - SIDOROV, V. - ŠVEC, Peter Jr. The influence of silver content on structure and properties of Sn-Bi-Ag solder and Cu/solder/Cu joints. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2013, vol. A 571, p. 184-192. (2.108 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

ADCA41 VIERKE, Jens - SCHUMACHER, Gerhard - BALOG, Martin - NAGY, Juraj - SIMANČÍK, František - WOLLGARTEN, Markus - BANHART, John. Plastic deformation of Al85Ni10La5 by equal channel angular pressing. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2012, vol.A 558, p.64-69. (2.003 - IF2011). (2012 - Current Contents, SCOPUS, WOS). ISSN 0921-5093.

**ADDA Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)**

ADDA01 BERONSKÁ, Naďa - IŽDINSKÝ, Karol - ŠTEFÁNIK, Pavol - KÚDELA, Stanislav - DVORÁK, Tomáš - SIMANČÍK, František - HÁJOVSKÁ, Zuzana - RUSNÁK, Andrej. The microstructure and thermal expansion of Mg/C composite prepared by gas pressure infiltration. In *Kovové materiály*, 2015, roč. 53, s. 451-458. (0.406 - IF2014). (2015 - Current Contents, MSCI). ISSN 0023-432X. Dostupné na internete: <<http://www.kovmat.sav.sk/>>.

ADDA02 BESTERCI, Michal - VELGOSOVÁ, Oksana - IVAN, Jozef - HÁJOVSKÁ, Zuzana - SÜLLEIOVÁ, Katarína. Fracture mechanisms of Glidcop Cu-Al<sub>2</sub>O<sub>3</sub> composite before and after ECAP observed by "in-situ tensile test in SEM". In *Kovové materiály*, 2013, vol. 51, no. 6, p. 383-387. (0.687 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0023-432X.

ADDA03 ČAVOJSKÝ, Miroslav - ŠVEC, Peter - JANIČKOVIČ, Dušan - OROVČÍK, Ľubomír - SIMANČÍK, František. Rapidly solidified Al-Mo and Al-Mn ribbons: microstructure and mechanical properties of extruded profiles. In *Kovové materiály*, 2014, roč. 52, č. 6, s. 371 - 376. (0.546 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0023-432X.

ADDA04 ČEGAN, Tomáš - SZURMAN, I. - KURSA, M. - HOLEŠINSKÝ, J. - VONTOROVÁ, J. Preparation of TiAl-based alloys by induction melting in graphite crucibles. In *Kovové materiály*, 2015, roč. 53, s. 69-78. ISSN 0023-432X.

ADDA05 EMMER, Š. - BAKSA, P. - KOVÁČIK, Jaroslav. Effect of microstructure on the sonotrode properties of tool materials Ferro-titanit WFN and steel CPM 10V. In

*Kovové materiály*, 2015, roč. 53, s. 423-428. ISSN 0023-432X. Dostupné na internete: <<http://www.kovmat.sav.sk/>>.

- ADDA06 IŽDINSKÝ, Karol - SENČEKOVÁ, Lucia - SIMANČÍK, František - BERONSKÁ, Naďa - ŠVEC, P. Mo/Mo silicide composites prepared by pressure-assisted reactive infiltration. In *Kovové materiály*, 2015, roč. 53, s. 391-397. ISSN 0023-432X. Dostupné na internete: <<http://www.kovmat.sav.sk/>>.
- ADDA07 IŽDINSKÝ, Karol - SENČEKOVÁ, Lucia - SIMANČÍK, František - NOSKO, Martin - SCHOBERTH, A. Structure of Mo/Mo silicide composites infiltrated with molten Ni and subsequently compacted by HIP. In *Kovové materiály*, 2013, vol.51, no.6, pp.327-332. (0.687 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0023-432X.
- ADDA08 KAVECKÝ, Štefan - ŠTEFÁNIK, Pavol - IŽDINSKÝ, Karol - NAGY, Štefan - ŠEBO, Pavol - BERONSKÁ, Naďa - OPÁLEK, Andrej. Erosion resistance of copper/alumina composite. In *Kovové materiály*, 2015, roč. 53, s. 463-470. (0.406 - IF2014). (2015 - Current Contents, MSCI). ISSN 0023-432X. Dostupné na internete: <<http://www.kovmat.sav.sk/>>.
- ADDA09 KLIMAN, Vladimír - CHMELKO, V. - MARGETIN, M. Analysis of the notch effect of welded joint and of grinding effect. In *Kovové materiály*, 2015, roč. 53, s. 429-441. ISSN 0023-432X. Dostupné na internete: <<http://www.kovmat.sav.sk/>>.
- ADDA10 KLIMOVÁ, Alena - LAPIN, Juraj - PELACHOVÁ, Tatiana - NOSKO, Martin. Effect of solidification parameters on microsegregation behaviour of main alloying elements in a peritectic TiAl-based alloy. In *Kovové materiály*, 2013, roč. 51, s. 89-99. (0.687 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0023-432X.
- ADDA11 KOVÁČIK, Jaroslav - BALOG, Martin - EMMER, Štefan. Electrical conductivity and hardness of Cu-graphite composite after ECAP. In *Kovové materiály*, 2014, roč.52, s.71-76. (0.546 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0023-432X.
- ADDA12 KÚDELA, Stanislav, Jr. - IŽDINSKÝ, Karol - OSWALD, S. - RANACHOWSKI, P. - RANACHOWSKI, Z. - KÚDELA, Stanislav. Decomposition of silica binder during infiltration of Saffil fiber preform with Mg and Mg-Li melts. In *Kovové materiály*, 2014, roč. 52, č. 4, s. 183 - 188. (0.546 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0023-432X.
- ADDA13 KVÍČALA, M. - HENDRYCH, A. - ŠTAMBORSKÁ, M. - VOLODARSKAJA, A. - SKOTNICOVÁ, K. - ČEGAN, Tomáš - JUŘICA, J. Low-cost method of the highly porous iron sintering. In *Kovové materiály*, 2015, roč. 53, s. 161-165. ISSN 0023-432X.
- ADDA14 LAPIN, Juraj - KLIMOVÁ, Alena - GABALCOVÁ, Zuzana. Effect of columnar to equiaxed transition on microsegregation behaviour of main alloying elements in peritectic TiAl-based alloy. In *Kovové materiály*, 2013, roč. 51, s.

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- BEF05        ŠPANIELKA, Ján - PAVLÍK, Ľubomír - TOBOLKA, Peter. Odľahčený držiak automobilového motora z hliníkovej peny. Ed. F. Dorčáková, L. Čiripová. In *Výskumné centrum progresívnych materiálov a technológií pre súčasné a budúce aplikácie "PROMATECH" : zborník z workshopu [elektronický zdroj]*. - Košice : ÚMV SAV, 2015. ISBN 978-80-89782-01-7. Názov prebraný z pretlače na CD-ROM.
- BEF06        ŠTĚPÁNEK, Matěj - BALOG, Martin - KRÍŽIK, Peter - SIMANČÍK, František. Piesty pre spalovacie motory z kompozitného materiálu Hitemal. In *SEMDOK 2014 : odborný seminár*. - Žilina : University of Žilina, 2014.
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