

Publikácie / Publications

Insitute : SAVMAMES - Ústav materiálov a mechaniky strojov SAV
Year of publication 2016~2021

Statistics publication category

| | | |
|------|---|-----|
| AAB | Scientific monographs published in Slovak publishing houses | 1 |
| ABC | Chapters in scientific monographs published abroad | 1 |
| ADCA | Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted) | 152 |
| ADCB | Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted) | 2 |
| ADDA | Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted) | 27 |
| ADEB | Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted) | 9 |
| ADMA | Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus | 11 |
| ADMB | Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus | 40 |
| ADNA | Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus | 1 |
| ADNB | Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus | 6 |
| AECA | Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks | 3 |
| AFC | Published papers from foreign scientific conferences | 22 |
| AFD | Published papers from domestic scientific conferences | 8 |
| AFE | Abstracts of invited papers from foreign conferences | 1 |
| AFF | Abstracts of invited papers from domestic conferences | 1 |
| AFG | Abstracts of papers from foreign conferences | 9 |
| AFH | Abstracts of papers from domestic conferences | 22 |
| AFK | Foreign conferences posters | 2 |
| AFL | Domestic conferences posters | 2 |
| AGJ | Patent applications, utility model applications, design applications, trademark applications, applications for granting supplementary protection certificate, applications for registration of topographies of semiconductor products, designations of origin applications, geographical indications of goods and products applications, breeder's certificate applications | 1 |
| BDCA | Professional papers in foreign impacted journals registered in Current Contents Connect | 1 |
| BDE | Professional papers in other foreign journals (not registered in CCC) | 2 |
| BEF | Professional papers in domestic proceedings | 1 |

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|--------------|--|------------|
| | (conference/non-conference; peer-reviewed/non-peer-reviewed) | |
| GHG | Works published on the internet | 4 |
| GII | Other publications and documents which is not possible to categorize into classes/categories mentioned above | 23 |
| Count | | 352 |

AAB Scientific monographs published in Slovak publishing houses

- AAB01 ŠTAFURA, Andrej - NAGY, Štefan - ČULÍK, Martin - ČEPEC, Andrej - BARTA, Peter - NAGY, Štefan. *Historické organy Carla Leopolda Wegensteina na území Slovenska* = The Historical Pipe Organs of Carl Leopold Wegenstein in Slovakia. Recenzenti: Mariana Bárdiová, Anna Danihelová, Martin Nosko. Revúca, Slovensko : Quirinus, o. z. : Ústav materiálov a mechaniky strojov SAV, 2021. 108 s. ISBN 978-80-972541-2-4

ABC Chapters in scientific monographs published abroad

- ABC01 RYDZ, Joanna - OPÁLKOVÁ ŠÍŠKOVÁ, Alena - ZAWIDLAK-WEGRZYŃSKA, Barbara - DUALE, Khadar. High-performance polymer applications for renewable energy : Chapter 1. In *Nano Tools and Devices for Enhanced Renewable Energy*. 1st Edition. - Elsevier Science Publishing Co Inc, 2021, s. 3-26. ISBN 978-0-12-821709-2. Dostupné na: <https://doi.org/10.1016/B978-0-12-821709-2.00001-3>

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

- ADCA01 AZIMIROEEN, Ghasem** - KASHANI-BOZORG, Seyed Farshid - NOSKO, Martin - LOTFIAN, Saeid. Mechanical and Microstructural Characterization of Hybrid Aluminum Nanocomposites Synthesized from an Al-Fe₃O₄ System by Friction Stir Processing. In *Metals and materials international*, 2020, vol. 26, iss. 9, p. 1441-1453. (2019: 1.990 - IF, Q2 - JCR, 0.604 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1598-9623. Dostupné na: <https://doi.org/10.1007/s12540-019-00393-1>
- ADCA02 AZIMI-ROEEN, Ghasem - KASHANI-BOZORG, Seyed Farshid** - NOSKO, Martin - OROVČÍK, Ľubomír. EBSD investigation of Al/(Al₁₃Fe₄+Al₂O₃) nanocomposites fabricated by mechanical milling and friction stir processing. In *Journal of Microscopy*, 2018, vol. 270, iss. 1, p. 3-16. (2017: 1.693 - IF, Q2 - JCR, 0.728 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0022-2720. Dostupné na: <https://doi.org/10.1111/jmi.12642>
- ADCA03 AZIMI-ROEEN, Ghasem** - KASHANI-BOZORG, Seyed Farshid - NOSKO, Martin - OROVČÍK, Ľubomír - LOTFIAN, Saeid. Effect of multi-pass friction stir processing on textural evolution and grain boundary structure of Al-Fe₃O₄ system. In *Journal of Materials Research and Technology-JMR&T*, 2020, vol. 9, iss. 1, p. 1070-1086. (2019: 5.289 - IF, Q1 - JCR, 0.898 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2238-7854. Dostupné na: <https://doi.org/10.1016/j.jmrt.2019.10.076>

- ADCA04 AZIMI-ROEEN, Ghasem** - KASHANI-BOZORG, Seyed Farshid - NOSKO, Martin** - NAGY, Štefan** - MATĚKO, Igor**. Formation of Al/(Al₁₃Fe₄ + Al₂O₃) Nano-composites via Mechanical Alloying and Friction Stir Processing. In *Journal of Materials Engineering and Performance*, 2018, vol. 27, no. 2, p. 471-482. (2017: 1.340 - IF, Q3 - JCR, 0.611 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1059-9495. Dostupné na: <https://doi.org/10.1007/s11665-018-3170-8>
- ADCA05 AZIMI-ROEEN, Ghasem - KASHANI-BOZORG, Seyed Farshid - NOSKO, Martin - ŠVEC, Peter. Reactive mechanism and mechanical properties of in-situ hybrid nano-composites fabricated from an Al-Fe₂O₃ system by friction stir processing. In *Materials Characterization*, 2017, vol. 127, p. 279-287. (2016: 2.714 - IF, Q1 - JCR, 1.222 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1044-5803. Dostupné na: <https://doi.org/10.1016/j.matchar.2017.03.007>
- ADCA06 BALÁŽ, Matej** - TEŠINSKÝ, Matej - MARQUARDT, Julien - ŠKROBIAN, Milan - DANEU, Nina - RAJŇÁK, Michal - BALÁŽ, Peter. Synthesis of copper nanoparticles from refractory sulfides using a semi-industrial mechanochemical approach. In *Advanced Powder Technology*, 2020, vol. 31, no.2, p. 782-791. (2019: 4.217 - IF, Q1 - JCR, 0.802 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0921-8831. Dostupné na: <https://doi.org/10.1016/j.appt.2019.11.032>
- ADCA07 BALOG, Martin** - ROSOVÁ, Alica - SZUNDIOVÁ, Bronislava - OROVČÍK, Ľubomír - KRÍŽIK, Peter - ŠVEC, Peter Jr. - KULICH, Miloslav - KOPERA, Ľubomír - KOVÁČ, Pavol - HUŠEK, Imrich - IBRAHIM, Ahmed Mohamed Hassan. HITEMAL-an outer sheath material for MgB₂ superconductor wires: The effect of annealing at 595-655 degrees C on the microstructure and properties. In *Materials and Design*, 2018, vol. 157, p. 12-23. (2017: 4.525 - IF, Q1 - JCR, 1.820 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0261-3069. Dostupné na: <https://doi.org/10.1016/j.matdes.2018.07.033>
- ADCA08 BALOG, Martin** - KRÍŽIK, Peter - ŠVEC, Peter Jr. - OROVČÍK, Ľubomír. Industrially fabricated in-situ Al-AlN metal matrix composites (part A): Processing, thermal stability, and microstructure. In *Journal of Alloys and Compounds*, 2021, vol. 883, no. 160858. (2020: 5.316 - IF, Q1 - JCR, 1.112 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2021.160858>
- ADCA09 BALOG, Martin** - KRÍŽIK, Peter - BAJANA, Otto - HU, Tao - YANG, Hanry - SCHOENUNG, Julie M. - LAVERNIA, Enrique J. Influence of grain boundaries with dispersed nanoscale Al₂O₃ particles on the strength of Al for a wide range of homologous temperatures. In *Journal of Alloys and Compounds*, 2019, vol. 772, p. 472-481. (2018: 4.175 - IF, Q1 - JCR, 1.065 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2018.09.164>
- ADCA10 BALOG, Martin** - OROVČÍK, Ľubomír - NAGY, Štefan - KRÍŽIK, Peter - NOSKO, Martin - OSLANEC, Peter, Jr. - ZIFČÁK, Peter. To what extent does

friction-stir welding deteriorate the properties of powder metallurgy Al? In *Journal of Materials Research and Technology-JMR&T*, 2020, vol. 9, iss. 3, p. 6733-6744. (2019: 5.289 - IF, Q1 - JCR, 0.898 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2238-7854. Dostupné na: <https://doi.org/10.1016/j.jmrt.2020.04.087>

ADCA11 BESTERCI, Michal - NAGY, Štefan - HUANG, Song-Jeng - VELGOSOVÁ, Oksana - SÜLLEIOVÁ, Katarína - LIN, Po-Chou. Influence of Al₂O₃ Particles Weight Fraction on Fracture Mechanism of AZ61 Mg-Al₂O₃ System Studied by In Situ Tensile Test in SEM. In *Acta Physica Polonica A*, 2016, vol. 129, no. 1, p. 138-141. (2015: 0.525 - IF, Q4 - JCR, 0.264 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.129.138>

ADCA12 BESTERCI, Michal - SÜLLEIOVÁ, Katarína - BALLÓKOVÁ, Beáta - NAGY, Štefan - VELGOSOVÁ, Oksana** - HUANG, Song-Jeng. Phases analysis and impact of phases on fracture mechanism of AZ61-SiC composite = Phasenanalyse und Phaseneinfluss auf die Bruchmechanik von AZ61-SiC-Verbundwerkstoff. In *Materialwissenschaft und Werkstofftechnik*, 2019, vol. 50, p. 1242-1249. (2018: 0.556 - IF, Q4 - JCR, 0.255 - SJR, Q3 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0933-5137. Dostupné na: <https://doi.org/10.1002/mawe.201800123>

ADCA13 BOMBAČ, David** - CVAHTE, Peter - BALOG, Martin - KUGLER, Goran - TERČELJ, Milan**. In-depth comparison of an industrially extruded powder and ingot Al alloys. In *Metals-Basel*, 2020, vol. 10, iss. 11, no. 1483. (2019: 2.117 - IF, Q1 - JCR, 0.567 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2075-4701. Dostupné na: <https://doi.org/10.3390/met10111483>

ADCA14 ČAPEK, Jaroslav** - KUBÁSEK, Jiří - PINC, Jan - MAŇÁK, Jan - MOLNÁROVÁ, Orsolya - DRAHOKOUPIL, Jan - ČAVOJSKÝ, Miroslav. ZnMg0.8Ca0.2 (wt%) biodegradable alloy – The influence of thermal treatment and extrusion on microstructural and mechanical characteristics. In *Materials Characterization*, 2020, vol. 162, no. 110230. (2019: 3.562 - IF, Q1 - JCR, 1.239 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1044-5803. Dostupné na: <https://doi.org/10.1016/j.matchar.2020.110230>

ADCA15 DEHGHAN, H. - EBRAHIMI, S. A. Seyyed** - NOSKO, Martin. Strain-induced phase transformation of an Mn-Al alloy during hot compression. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2019, vol. 751, p. 271-282. (2018: 4.081 - IF, Q1 - JCR, 1.778 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2019.02.082>

ADCA16 DOBROVETSKA, Oksana - SALDAN, Ivan** - OROVČÍK, Ľubomír - KARLSSON, Dennis - SAHLBERG, Håggblad Martin - SEMENYUK, Yuriy - PEREVIZNYK, Orest - RESHETNYAK, Oleksandr - KUNTYI, Orest - MERTSALO, Ivanna - SERKIZ, Roman - STELMAKHOVYCH, Bohdan. Electrocatalytic activity of Pd-Au nanoalloys during methanol oxidation reaction. In *International Journal of Hydrogen Energy*, 2020, vol. 45, iss. 7, p. 4444-4456.

(2019: 4.939 - IF, Q2 - JCR, 1.141 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0360-3199. Dostupné na:
<https://doi.org/10.1016/j.ijhydene.2019.12.029>

ADCA17 DVORSKÝ, Drahomír** - KUBÁSEK, Jiří - HOSOVÁ, Klára - ČAVOJSKÝ, Miroslav - VOJTĚCH, Dalibor. Microstructure, Mechanical, Corrosion, and Ignition Properties of WE43 Alloy Prepared by Different Processes. In *Metals*, 2021, vol. 11, iss. 5, no. 728. (2020: 2.351 - IF, Q2 - JCR, 0.570 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2075-4701. Dostupné na:
<https://doi.org/10.3390/met11050728>

ADCA18 DVORSKÝ, D.** - KUBÁSEK, J. - VOJTĚCH, D. - ČAVOJSKÝ, Miroslav. Advanced mechanical and corrosion properties of We43 alloy prepared by powder metallurgy. In *Acta Physica Polonica A*, 2018, vol. 134, no. 3, p. 748-752. (2017: 0.857 - IF, Q3 - JCR, 0.335 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na:
<https://doi.org/10.12693/APhysPolA.134.748>

ADCA19 FURKA, Daniel** - NAFTALY, Mira - FURKA, Samuel - ŠIMON, Erik - TOMANOVÁ, Katarína - ČAPLOVIČOVÁ, Mária - JANEK, Marián**. Effect of Gallium and Boron doping on dielectric and conductivity properties of ZnO sintered from nanoparticles of different morphology in THz region. In *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 2021, vol. 611, no. 125896. (2020: 4.539 - IF, Q2 - JCR, 0.762 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0927-7757. Dostupné na:
<https://doi.org/10.1016/j.colsurfa.2020.125896>

ADCA20 GABURJÁKOVÁ, Marta - GABURJÁKOVÁ, Jana - KREJČÍOVÁ, Eva - KOSNÁČ, Daniel - KOSNÁČOVÁ, Helena - NAGY, Štefan - POLÁK, Štefan - SABO, Michal - TRNKA, M. - KOPÁNI, M.**. Blocking effect of ferritin on the ryanodine receptor-isoform 2. In *Archives of Biochemistry and Biophysics*, 2021, vol. 712, art. no. 109031. (2020: 4.013 - IF, Q2 - JCR, 1.097 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0003-9861. Dostupné na:
<https://doi.org/10.1016/j.abb.2021.109031>

ADCA21 GOPINATHAN, Arun** - JERZ, Jaroslav - KOVÁČIK, Jaroslav - DVORÁK, Tomáš. Investigation of the Relationship between Morphology and Thermal Conductivity of Powder Metallurgically Prepared Aluminium Foams. In *Materials*, 2021, vol. 14, no. 3623. (2020: 3.623 - IF, Q1 - JCR, 0.682 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1996-1944. Dostupné na:
<https://doi.org/10.3390/ma14133623>

ADCA22 GRANČIČ, B.** - PLEVA, M. - MIKULA, Marian - ČAPLOVIČOVÁ, M. - SATRAPINSKY, L. - ROCH, T. - TRUCHLÝ, M. - SAHUL, M. - GREGOR, M. - ŠVEC, Peter - ZAHORAN, M. - KÚŠ, P. Stoichiometry, structure and mechanical properties of co-sputtered Ti_{1-x}Ta_xB₂ (+/-) (Delta) coatings. In *Surface & Coatings Technology*, 2019, vol. 367, p. 341-348. (2018: 3.192 - IF, Q1 - JCR, 0.973 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0257-8972. Dostupné na: <https://doi.org/10.1016/j.surfcoat.2019.04.017>

- ADCA23 GURECKÁ, Radana - KOBOROVÁ, Ivana - CSONGO VÁ, Melinda - ŠEBEK, Jozef - ŠEBEKOVÁ, Katarína. Correlation among soluble receptors for advanced glycation end-products, soluble vascular adhesion protein-1/semicarbazide-sensitive amine oxidase (sVAP-1) and cardiometabolic risk markers in apparently healthy adolescents: a cross-sectional study. In *Glycoconjugate journal*, 2016, vol. 33, no. 4, p. 599-606. (2015: 1.828 - IF, Q3 - JCR, 0.722 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0282-0080. Dostupné na: <https://doi.org/10.1007/s10719-016-9696-9>
- ADCA24 HASSAN IBRAHIM, Ahmed Mohamed - BALOG, Martin** - KRÍŽIK, Peter - NOVY, Frantisek - CETIN, Yuksel - ŠVEC, Peter Jr. - BAJANA, Otto - DRIENOVSKY, Marian. Partially biodegradable Ti-based composites for biomedical applications subjected to intense and cyclic loading. In *Journal of Alloys and Compounds*, 2020, vol. 839, 155663. (2019: 4.650 - IF, Q1 - JCR, 1.055 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2020.155663>
- ADCA25 HASSAN IBRAHIM, Ahmed Mohamed - TAKÁČOVÁ, Martina - JELENSKÁ, Lenka - CSÁDEROVÁ, Lucia - BALOG, Martin** - KOPÁČEK, Juraj - ŠVASTOVÁ, Eliška - KRÍŽIK, Peter. The effect of surface modification of TiMg composite on the in-vitro degradation response, cell survival, adhesion, and proliferation. In *Materials Science and Engineering C*, 2021, vol. 127, no. 112259. (2020: 7.328 - IF, Q1 - JCR, 1.234 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0928-4931. Dostupné na: <https://doi.org/10.1016/j.msec.2021.112259>
- ADCA26 HINKELMAN, Jan* - VRŠANSKÝ, Peter** - GARCIA, Thierry - TEJEDOR, Arian - BERTNER, Paul - SOROKIN, Anton - GALLICE, Geoffrey R. - KOUBOVÁ, Ivana - NAGY, Štefan - VIDLIČKA, Lubomír*. Neotropical Melyroidea group cockroaches reveal various degrees of (eu)sociality. In *The Science of Nature*, 2020, vol. 107, no. 5, 39. (2019: 2.090 - IF, Q2 - JCR, 0.804 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0028-1042. Dostupné na: <https://doi.org/10.1007/s00114-020-01694-x>
- ADCA27 HUDEC, Tomáš** - IZAI, Vitalii - SATRAPINSKY, Leonid - HUMINIUC, Teodor - ROCH, Tomáš - GREGOR, Maroš - GRANČIČ, Branislav - MIKULA, Marian - POLCAR, Tomáš. Structure, mechanical and tribological properties of MoSe₂ and Mo-Se-N solid lubricant coatings. In *Surface & Coatings Technology*, 2021, vol. 405, no. 126536. (2020: 4.158 - IF, Q1 - JCR, 0.904 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0257-8972. Dostupné na: <https://doi.org/10.1016/j.surfcoat.2020.126536>
- ADCA28 HUDEC, Tomáš - BONDAREV, Andrey - IZAI, Vitalii - ŠROBA, Viktor - SATRAPINSKY, Leonid - ROCH, Tomáš - TURINIČOVÁ, Veronika - GRANČIČ, Branislav - POLCAR, Tomáš - MIKULA, Marian. Titanium doped MoSe₂ coatings - Synthesis, structure, mechanical and tribological properties investigation. In *Applied Surface Science*, 2021, vol. 568, no. 150990. (2020: 6.707 - IF, Q1 - JCR, 1.295 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2021.150990>

- ADCA29 HUDEC, Tomáš** - ROCH, Tomáš - GREGOR, Maroš - OROVČÍK, Ľubomír - MIKULA, Marian - POLCAR, Tomáš. Tribological behaviour of Mo-S-N solid lubricant coatings in vacuum, nitrogen gas and elevated temperatures. In *Surface & Coatings Technology*, 2021, vol. 405, no. 126722. (2020: 4.158 - IF, Q1 - JCR, 0.904 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0257-8972. Dostupné na: <https://doi.org/10.1016/j.surfcoat.2020.126722>
- ADCA30 KAMYSHNYKOVA, Kateryna - LAPIN, Juraj**. Vacuum induction melting and solidification of TiAl-based alloy in graphite crucibles. In *Vacuum*, 2018, vol. 154, p. 218-226. (2017: 2.067 - IF, Q2 - JCR, 0.569 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0042-207X. Dostupné na: <https://doi.org/10.1016/j.vacuum.2018.05.017>
- ADCA31 KHODABAKHSHI, F.** - GERLICH, A. P. - VERMA, D. - NOSKO, Martin - HAGSHENAS, M. Depth-sensing thermal stability of accumulative fold-forged nanostructured materials. In *Materials and Design*, 2021, vol. 202, no. 109554. (2020: 7.991 - IF, Q1 - JCR, 1.842 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0261-3069. Dostupné na: <https://doi.org/10.1016/j.matdes.2021.109554>
- ADCA32 KHODABAKHSHI, F.** - NOSKO, Martin - GERLICH, A. P. Dynamic restoration and crystallographic texture of a friction-stir processed Al-Mg-SiC surface nanocomposite. In *Materials Science and Technology*, 2018, vol. 34, no. 14, p. 1773-1791. (2017: 1.803 - IF, Q2 - JCR, 0.889 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0267-0836. Dostupné na: <https://doi.org/10.1080/02670836.2018.1490858>
- ADCA33 KHODABAKHSHI, F.** - NOSKO, Martin - GERLICH, A. P. Effects of graphene nano-platelets (GNPs) on the microstructural characteristics and textural development of an Al-Mg alloy during friction-stir processing. In *Surface and coatings technology*, 2018, vol. 335, p. 288-305. (2017: 2.906 - IF, Q1 - JCR, 0.928 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0257-8972. Dostupné na: <https://doi.org/10.1016/j.surfcoat.2017.12.045>
- ADCA34 KHODABAKHSHI, F. - FARSHIDIANFAR, M. H. - GERLICH, A. P. - NOSKO, Martin - NAGY - TREMBOŠOVÁ, Veronika, rod. Trembošová - KHAJEPOUR, A. Effects of laser additive manufacturing on microstructure and crystallographic texture of austenitic and martensitic stainless steels. In *Additive Manufacturing*, 2020, vol. 31, no. 100915. (2019: 7.002 - IF, Q1 - JCR, 2.196 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2214-8604. Dostupné na: <https://doi.org/10.1016/j.addma.2019.100915>
- ADCA35 KHODABAKHSHI, F.** - NOSKO, Martin - GERLICH, A. P. Influence of CNTs decomposition during reactive friction-stir processing of an Al-Mg alloy on the correlation between microstructural characteristics and microtextural components. In *Journal of Microscopy*, 2018, vol. 271, iss. 2, p. 188-206. (2017: 1.693 - IF, Q2 - JCR, 0.728 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0022-2720. Dostupné na: <https://doi.org/10.1111/jmi.12708>

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