

Publikácie / Publications

Institute: SAVMATVY - Ústav materiálového výskumu SAV
Year of publication 2016~2021

Statistics publication category

| | | |
|------|---|-----|
| AAA | Scientific monographs published abroad | 7 |
| ABC | Chapters in scientific monographs published abroad | 7 |
| ADCA | Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted) | 369 |
| ADCB | Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted) | 3 |
| ADDA | Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted) | 9 |
| ADEB | Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted) | 14 |
| ADFB | Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted) | 18 |
| ADMA | Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus | 19 |
| ADMB | Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus | 61 |
| ADNA | Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus | 2 |
| ADNB | Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus | 17 |
| AECA | Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks | 1 |
| AFA | Published invited papers from foreign scientific conferences | 1 |
| AFC | Published papers from foreign scientific conferences | 17 |
| AFD | Published papers from domestic scientific conferences | 52 |
| AFE | Abstracts of invited papers from foreign conferences | 7 |
| AFF | Abstracts of invited papers from domestic conferences | 11 |
| AFG | Abstracts of papers from foreign conferences | 44 |
| AFH | Abstracts of papers from domestic conferences | 123 |
| 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 | 15 |
| BCI | University course materials and instructional texts | 1 |
| BEE | Professional papers in foreign proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed) | 5 |
| BEF | Professional papers in domestic proceedings | 10 |

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|--------------|---|------------|
| | (conference/non-conference; peer-reviewed/non-peer-reviewed) | |
| DAI | Dissertations and habilitation theses | 15 |
| FAI | Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...) | 7 |
| GII | Other publications and documents which is not possible to categorize into classes/categories mentioned above | 58 |
| Count | | 893 |

AAA Scientific monographs published abroad

- AAA01 CENIGA, Ladislav. *Analytical models of thermal and phase-transformation-induced stresses in materials with void defects II*. New York : Nova Science Publishers, 2019. 262 p. ISBN 978-1-53614-982-1
- AAA02 CENIGA, Ladislav. *Analytical models of thermal stresses in anisotropic composite materials*. Hauppauge, NY, USA : Nova Science Publishers, 2017. 216 p. ISBN 978-1-53611-064-7
- AAA03 CENIGA, Ladislav**. *Analytical models of coherent-interface-induced stresses in composite materials I*. New York : Nova Science Publishers, 2020. 110 p. ISBN 978-1-53617-039-9
- AAA04 CENIGA, Ladislav**. *Analytical models of coherent-interface-induced stresses in composite materials II*. New York : Nova Science Publishers, 2021. 144 p. ISBN 978-1-68507-003-8
- AAA05 CENIGA, Ladislav**. *Analytical models of coherent-interface-induced stresses in composite materials III*. New York : Nova Science Publishers, 2021. 171 p. ISBN 978-1-53619-996-3
- AAA06 CENIGA, Ladislav. *Analytical models of hydrogen-induced stresses to materials I*. Hauppauge, NY, USA : Nova Science Publishers, 2017. 123 p. ISBN 978-1-53611-906-0
- AAA07 CENIGA, Ladislav. *Analytical models of thermal and phase-transformation-induced stresses in materials with void defects I*. Nova Science Publishers, Inc., 2018. 185 p. ISBN 978-1-53613-526-8

ABC Chapters in scientific monographs published abroad

- ABC01 CENIGA, Ladislav. Analytical model of thermal stresses in multi-component materials with cylindrical particles. In *Ceramic Materials: Synthesis, performance and applications*. - Nova Science Publishers, 2016, p. 65-102. ISBN 978-1-63485-965-3.
- ABC02 CENIGA, Ladislav. Analytical model of thermal stresses and crack formation in two-component anisotropic materials. In *Thermal stresses: Design, behavior and applications*. - Nova Science Publishers, 2016, p. 1-33. ISBN 978-1-63485-373-6.

- ABC03 CENIGA, Ladislav. Analytical model of thermal-stress induced cracking in porous two-component materials : Chapter 2. In *Fracture mechanics: Theory, applications and research*. - Nova Science Publishers, 2017, p. 25-70. ISBN 978-1-53612-500-9.
- ABC04 CENIGA, Ladislav. Energy analysis of analytical models of thermal stresses in composite materials. In *Thermal stresses: Design, behavior and applications*. - Nova Science Publishers, 2016, p. 1-40. ISBN 978-1-63485-373-6.
- ABC05 HVIZDOŠ, Pavol - VENCL, Aleksandar. Ceramic matrix composites with carbon nanophases: Development, Structure, mechanical and tribological properties and electrical conductivity. In *Encyclopedia of Materials: Composites*. Vol. 2. - Oxford : Elsevier, 2021, p. 116-133. ISBN 978-0-12-803581-8.11858-2. Dostupné na: <https://doi.org/10.1016/B978-0-12-803581-8.11858-2>
- ABC06 HVIZDOŠ, Pavol. Wear and erosion resistant ceramic materials. In *Encyclopedia of Materials: Technical ceramics and glasses*. - Oxford : Elsevier, 2021, p. 416-424. ISBN 978-0-12-818542-1. Dostupné na: <https://doi.org/10.1016/B978-0-12-818542-1.00056-4>
- ABC07 LOFAJ, František - MIKULA, Marian. Wear and erosion resistant ceramic coatings. In *Encyclopedia of Materials: Technical ceramics and glasses*. - Oxford : Elsevier, 2021, p. 425-439. ISBN 978-0-12-818542-1. Dostupné na: <https://doi.org/10.1016/B978-0-12-818542-1.00003-5>

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

- ADCA01 ABBAS, Aqeel** - HUANG, Song-Jeng - BALLÓKOVÁ, Beáta - SÜLLEIOVÁ, Katarína. Tribological effects of carbon nanotubes on magnesium alloy AZ31 and analyzing aging effects on CNTs/AZ31 composites fabricated by stir casting process. In *Tribology International*, 2020, vol. 142, p. 105982. (2019: 4.271 - IF, Q1 - JCR, 1.536 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0301-679X. Dostupné na: <https://doi.org/10.1016/j.triboint.2019.105982>
- ADCA02 AKUSEVICH, A. - PARCHOVIANSKÁ, I. - PARCHOVIANSKÝ, Milan - PRNOVÁ, Anna - LOFAJ, František - VOJTKO, Marek - KLEMENT, Róbert**. Glass-ceramic Ce³⁺-doped YAG-Al₂O₃ composites prepared by sintering of glass microspheres. In *International Journal of Applied Glass Science*, 2021, vol. 12, no. 4, p. 497-508. (2020: 2.029 - IF, Q2 - JCR, 0.383 - SJR, Q3 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2041-1286. Dostupné na: <https://doi.org/10.1111/ijag.16174>
- ADCA03 BALÁZSI, Csaba - FOGARASSY, Zsolt - TAPASZTÓ, Orsolya - KAILER, Andreas - SCHRÖDER, Christian - PARCHOVIANSKÝ, Milan - GALUSEK, Dušan - DUSZA, Ján - BALAZSI, K. Si₃N₄/graphene nanocomposites for tribological application in aqueous environments prepared by attritor milling and hot pressing. In *Journal of the European Ceramic Society*, 2017, vol. 37, no. 12, p. 3797-3804. (2016: 3.454 - IF, Q1 - JCR, 1.142 - SJR, Q1 - SJR, Current Contents -

CCC). (2017 - Current Contents). ISSN 0955-2219. Dostupné na:
<https://doi.org/10.1016/j.jeurceramsoc.2017.03.022>

- ADCA04 BALAZSI, K. - FURKÓ, M. - LIAO, Z. - FOGARASSY, Zsolt - MEDVEĎ, Dávid - ZSCHECH, Ehrenfried - DUSZA, Ján - BALÁZSI, Csaba**. Graphene added multilayer ceramic sandwich (GMCS) composites: structure, preparation and properties. In *Journal of the European Ceramic Society*, 2020, vol. 40, p. 4792-4798. (2019: 4.495 - IF, Q1 - JCR, 1.164 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0955-2219. Dostupné na:
<https://doi.org/10.1016/j.jeurceramsoc.2020.01.054>
- ADCA05 BALAZSI, K. - FURKÓ, M. - LIAO, Z. - GLUCH, Jürgen - MEDVEĎ, Dávid - SEDLÁK, Richard - DUSZA, Ján - ZSCHECH, Ehrenfried - BALÁZSI, Csaba**. Porous sandwich ceramic of layered silicon nitride-zirconia composite with various multilayered graphene content. In *Journal of Alloys and Compounds*, 2020, vol. 832, p. 154984. (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.2020.154984>
- ADCA06 BALÁŽ, Matej** - BEDLOVIČOVÁ, Zdenka - DANEU, Nina - SIKSA, Patrik - SOKOLI, Libor - TKÁČIKOVÁ, Ľudmila - SALAYOVÁ, Aneta - DŽUNDA, Róbert - KOVÁČOVÁ, Mária - BUREŠ, Radovan - LUKÁČOVÁ BUJŇÁKOVÁ, Zdenka. Mechanochemistry as an Alternative Method of Green Synthesis of Silver Nanoparticles with Antibacterial Activity: A Comparative Study. In *Nanomaterials-Basel*, 2021, vol. 11, art. ID 1139. (2020: 5.076 - IF, Q1 - JCR, 0.919 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 2079-4991. Dostupné na: <https://doi.org/10.3390/nano11051139>
- ADCA07 BALÁŽ, Matej** - DOBROZHAN, Oleksandr - TEŠINSKÝ, Matej - ZHANG, Rui-Zhi - DŽUNDA, Róbert - DUTKOVÁ, Erika - RAJŇÁK, Michal - CHEN, Kan - REECE, Michael J. - BALÁŽ, Peter. Scalable and environmentally friendly mechanochemical synthesis of nanocrystalline rhodostannite (Cu₂FeSn₃S₈). In *Powder Technology*, 2021, vol. 388, p. 192-200. (2020: 5.134 - IF, Q1 - JCR, 1.079 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0032-5910. Dostupné na:
<https://doi.org/10.1016/j.powtec.2021.04.047>
- ADCA08 BALÁŽ, Peter - DUTKOVÁ, Erika** - BALÁŽ, Matej - DŽUNDA, Róbert - NAVRÁTIL, Jiří - KNÍŽEK, Karel - LEVINSKÝ, P. - HEJTMÁNEK, Jiri. Mechanochemistry for Energy Materials: Impact of High-Energy Milling on Chemical, Electric and Thermal Transport Properties of Chalcopyrite CuFeS₂ Nanoparticles. In *Chemistryopen*, 2021, vol. 10, p. 806-814. (2020: 2.911 - IF, Q3 - JCR, 0.644 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2191-1363. Dostupné na: <https://doi.org/10.1002/open.202100144>
- ADCA09 BALÁŽ, Peter - ACHIMOVICHOVÁ, Marcela** - BALÁŽ, Matej - CHEN, Kan - DOBROZHAN, Oleksandr - GUILMEAU, Emanuel - HEJTMÁNEK, Jiri - KNÍŽEK, Karel - KUBÍČKOVÁ, L. - LEVINSKÝ, P. - PUCHÝ, Viktor - REECE, Michael J. - VARGA, Peter - ZHANG, R. Z. Thermoelectric Cu-S-Based Materials Synthesized via a Scalable Mechanochemical Process. In *ACS Sustainable*

Chemistry & Engineering, 2021, vol. 9, p. 2003-2016. (2020: 8.198 - IF, Q1 - JCR, 1.878 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2168-0485. Dostupné na: <https://doi.org/10.1021/acssuschemeng.0c05555>

ADCA10 BALEJČÍKOVÁ, Lucia - MOLČAN, Matúš** - KOVÁČ, Jozef - KUBOVČÍKOVÁ, Martina - SAKSL, Karel - MITRÓOVÁ, Zuzana - TIMKO, Milan - KOPČANSKÝ, Peter. Hyperthermic effect in magnetoferritin aqueous colloidal solution. In *Journal of Molecular Liquids*, 2019, vol. 283, p. 39-44. (2018: 4.561 - IF, Q1 - JCR, 0.862 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0167-7322. Dostupné na: <https://doi.org/10.1016/j.molliq.2019.03.023>

ADCA11 BALEJČÍKOVÁ, Lucia** - SAKSL, Karel - KOVÁČ, J. - MARTEL, A. - GARAMUS, Vasil M.** - AVDEEV, Mikhail V. - PETRENKO, Viktor I. - ALMÁSY, L. - KOPČANSKÝ, Peter. The impact of redox, hydrolysis and dehydration chemistry on the structural and magnetic properties of magnetoferritin prepared in variable thermal conditions. In *Molecules*, 2021, vol. 26, no. 22, art. no. 6960. (2020: 4.412 - IF, Q2 - JCR, 0.782 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 1420-3049. Dostupné na: <https://doi.org/10.3390/molecules26226960>

ADCA12 BALKO, Ján - CSANÁDI, Tamás - SEDLÁK, Richard - VOJTKO, Marek - KOVALČÍKOVÁ, Alexandra - KOVAL, Karol - WYZGA, Piotr - DUSZOVÁ, Annamária. Nanoindentation and tribology of VC, NbC and ZrC refractory carbides. In *Journal of the European Ceramic Society*, 2017, vol. 37, p. 4371-4377. (2016: 3.454 - IF, Q1 - JCR, 1.142 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0955-2219. Dostupné na: <https://doi.org/10.1016/j.jeurceramsoc.2017.04.064>

ADCA13 BALLÓKOVÁ, Beáta - FALAT, Ladislav** - PUCHÝ, Viktor - MOLČANOVÁ, Zuzana - BESTERCI, Michal - DŽUNDA, Róbert - ABBAS, Aqeel - HUANG, Song-Jeng. The influence of laser surface remelting on the tribological behavior of the ECAP-processed AZ61 Mg alloy and AZ61-Al₂O₃ metal matrix composite. In *Materials*, 2020, vol. 13, no. 12, art. no. 2688. (2019: 3.057 - IF, Q2 - JCR, 0.647 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1996-1944. Dostupné na: <https://doi.org/10.3390/ma13122688>

ADCA14 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>

ADCA15 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>

ADCA16 BESTERCI, Michal - SÜLLEIOVÁ, Katarína - VELGOSOVÁ, Oksana - BALLÓKOVÁ, Beáta - HUANG, Song-Jeng. Superplastic behaviour of AZ61-F magnesium composite materials. In *High Temperature Materials and Processes*, 2017, vol. 36, no. 3, p. 279-283. (2016: 0.312 - IF, Q4 - JCR, 0.197 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0334-6455. Dostupné na: <https://doi.org/10.1515/htmp-2016-0026>

ADCA17 BIDULSKÝ, Róbert - ACTIS GRANDE, Marco - DUDROVÁ, Eva - KABÁTOVÁ, Margita - BIDULSKÁ, Jana. Dry sliding wear behaviour of low alloyed sintered steels in relation to microstructure and fracture behaviour. In *Powder Metallurgy : An international journal of the science and practice of powder metallurgy*, 2016, vol. 59, no. 2, p. 121-127. (2015: 0.741 - IF, Q3 - JCR, 0.404 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0032-5899. Dostupné na: <https://doi.org/10.1179/1743290115Y.0000000022>

ADCA18 BIESUZ, Mattia - SEDLÁK, Richard - SAUNDERS, Theo G. - KOVALČÍKOVÁ, Alexandra - DUSZA, Ján - REECE, Michael J. - ZHU, Degui - HU C, Chunfeng** - GRASSO, Salvatore**. Flash spark plasma sintering of 3YSZ. In *Journal of the European Ceramic Society*, 2019, vol. 39, p. 1932-1937. (2018: 4.029 - IF, Q1 - JCR, 1.219 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0955-2219. Dostupné na: <https://doi.org/10.1016/j.jeurceramsoc.2019.01.017>

ADCA19 BILANYCH, V.S. - KOMANICKÝ, Vladimír - KOZEJOVÁ, M. - FEHER, A. - KOVALČÍKOVÁ, Alexandra - LOFAJ, František - KUŽMA, V.V. - RIZAK, V.M. Surface patterning of Ge-As-Se thin films by electric charge accumulation. In *Thin Solid Films*, 2016, vol. 616, p. 86-94. (2015: 1.761 - IF, Q2 - JCR, 0.680 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0040-6090. Dostupné na: <https://doi.org/10.1016/j.tsf.2016.07.073>

ADCA20 BIMLA MARDI, K. - DIXIT, Amit Rai - PRAMANIK, Alokesh** - HVIZDOŠ, Pavol - MALLICK, A. - NAG, Akash - HLOCH, S.**. Surface topography analysis of Mg-based composites with different nanoparticle contents disintegrated using abrasive water jet. In *Materials*, 2021, vol. 14, p. 5471. (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/ma14195471>

ADCA21 BIRČÁKOVÁ, Zuzana** - KOLLÁR, P. - FÜZER, J. - STREČKOVÁ, Magdaléna - SZABÓ, Juraj - BUREŠ, Radovan - FÁBEROVÁ, Mária. Analysis of magnetic properties of iron-resin-ferrite soft magnetic composite materials. In *Acta Physica Polonica A*, 2021, vol. 140, no. 1, p. 64-71. (2020: 0.577 - IF, Q4 - JCR, 0.217 - SJR, Q4 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.140.64>

- ADCA22 BIRČÁKOVÁ, Zuzana - KOLLÁR, P. - FÜZER, J. - BUREŠ, Radovan - FÁBEROVÁ, Mária. Analytical expression for initial magnetization curve of Fe-based soft magnetic composite material. In *Journal of Magnetism and Magnetic Materials*, 2017, vol. 423, p. 140-144. (2016: 2.630 - IF, Q2 - JCR, 0.699 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2016.09.087>
- ADCA23 BIRČÁKOVÁ, Zuzana - KOLLÁR, P. - WEIDENFELLER, Bernd - FÜZER, J. - FÁBEROVÁ, Mária - BUREŠ, Radovan. Investigation of magnetization processes from the energy losses in soft magnetic composite materials. In *Acta Physica Polonica A*, 2017, vol. 131, no. 4, p. 684-686. (2016: 0.469 - IF, Q4 - JCR, 0.227 - SJR, Q4 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.131.684>
- ADCA24 BIRČÁKOVÁ, Zuzana** - KOLLÁR, P. - FÜZER, J. - BUREŠ, Radovan - FÁBEROVÁ, Mária. Irreversible permeability of Fe-based soft magnetic composites. In *Acta Physica Polonica A*, 2020, vol. 137, no. 5, p. 843-845. (2019: 0.579 - IF, Q4 - JCR, 0.214 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.137.843>
- ADCA25 BIRČÁKOVÁ, Zuzana - KOLLÁR, P.** - FÜZER, J. - BUREŠ, Radovan - FÁBEROVÁ, Mária. Irreversible permeability and DC losses relationship for selected soft magnetic materials. In *Journal of Physics D: Applied Physics*, 2018, vol. 51, art. no. 395002. (2017: 2.373 - IF, Q2 - JCR, 0.717 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0022-3727. Dostupné na: <https://doi.org/10.1088/1361-6463/aad820>
- ADCA26 BIRČÁKOVÁ, Zuzana** - FÜZER, J. - KOLLÁR, P. - STREČKOVÁ, Magdaléna - SZABÓ, Juraj - BUREŠ, Radovan - FÁBEROVÁ, Mária. Magnetic properties of Fe-based soft magnetic composite with insulation coating by resin bonded Ni-Zn ferrite nanofibres. In *Journal of Magnetism and Magnetic Materials*, 2019, vol. 485, p. 1-7. (2018: 2.683 - IF, Q2 - JCR, 0.680 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2019.04.060>
- ADCA27 BIRČÁKOVÁ, Zuzana** - KOLLÁR, P. - FÜZER, J. - BUREŠ, Radovan - FÁBEROVÁ, Mária. Magnetic properties of selected Fe-based soft magnetic composites interpreted in terms of Jiles-Atherton model parameters. In *Journal of Magnetism and Magnetic Materials*, 2020, vol. 502, p. 166514. (2019: 2.717 - IF, Q2 - JCR, 0.658 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2020.166514>
- ADCA28 BIRČÁKOVÁ, Zuzana** - FÜZER, J. - KOLLÁR, P. - SZABÓ, Juraj - JAKUBČIN, M. - STREČKOVÁ, Magdaléna - BUREŠ, Radovan - FÁBEROVÁ, Mária. Preparation and characterization of iron-based soft magnetic composites with resin bonded nano-ferrite insulation. In *Journal of Alloys and Compounds*, 2020, vol. 828, p. 154416. (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.2020.154416>

- ADCA29 BIRČÁKOVÁ, Zuzana** - KOLLÁR, P. - JAKUBČIN, M. - FÜZER, J. - BUREŠ, Radovan - FÁBEROVÁ, Mária. Reversible and irreversible magnetization processes along DC hysteresis loops of Fe-based composite materials. In *Journal of Magnetism and Magnetic Materials*, 2019, vol. 483, p. 183-190. (2018: 2.683 - IF, Q2 - JCR, 0.680 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2019.03.115>
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