

## Zoznam publikačnej činnosti

**Pracovisko: MN7000 - MTF. Ústav výskumu progresívnych technológií**

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### ADC Vedecké práce v zahraničných karentovaných časopisoch

- ADC01 DERZSI, Mariana - GRZELAK, Adam - KONDRATIUK, Pawel - TOKÁR, Kamil - GROCHALA, Wojciech. Quest for Compounds at the Verge of Charge Transfer Instabilities: The Case of Silver(II) Chloride. In *NEW SZP GEN: Crystals*. Vol. 9, iss. 8 (2019), s. 1-19. ISSN 2073-4352 (2019: 2.404 - IF, Q2 - JCR Best Q, 0.594 - SJR, Q2 - SJR Best Q). V databáze: DOI: 10.3390/cryst9080423 ; WOS: 000482996000025 ; CC: 000482996000025 ; SCOPUS: 2-s2.0-85073295099.
- ADC02 DITTE, Matej - DUBECKÝ, Matúš. Fractional charge by fixed-node diffusion Monte Carlo method. In *Physical Review Letters*. Vol. 123, (2019), s. 1-6. ISSN 0031-9007 (2019: 8.385 - IF, Q1 - JCR Best Q, 3.588 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1103/PhysRevLett.123.156402 ; WOS: 000489255900008 ; CC: 000489255900008 ; SCOPUS: 2-s2.0-85073445890.
- ADC03 DOBROTKA, Andrej - BEZÁK, Pavol - REVALSKI, M. - STRÉMY, Maximilián. Multicomponent power density spectra of Kepler AGNs, an instrumental artifact or a physical origin? In *Monthly Notices of the Royal Astronomical Society*. Vol. 483, iss. 1 (2019), s. 38-45. ISSN 0035-8711 (2019: 5.356 - IF, Q1 - JCR Best Q, 1.937 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000462251000003 ; CC: 000462251000003 ; SCOPUS: 2-s2.0-85068871749.
- ADC04 DOBROVODSKÝ, Jozef - BEŇO, Matúš - VAŇA, Dušan - BEZÁK, Pavol - NOGA, Pavol. The first year operation experience with Ion Beam Analysis at the new STU Ion Beam Laboratory. In *Nuclear Instruments & Methods in Physics Research Section B - Beam Interactions with Materials and Atoms*. Vol. 450, (2019), s. 168-172. ISSN 0168-583X (2019: 1.270 - IF, Q2 - JCR Best Q, 0.476 - SJR, Q2 - SJR Best Q). V databáze: DOI: 10.1016/j.nimb.2018.10.006 ; SCOPUS: 2-s2.0-85055084984 ; WOS: 000474501400035 ; CC: 000474501400035.
- ADC05 DUBECKÝ, František - ZAŤKO, Bohumír - KOLESÁR, Vladimír - KINDL, D. - HUBÍK, Pavel - GOMBIA, Enos - DUBECKÝ, Matúš. Charge collection efficiency of Pt vs. Mg contacts on semi-insulating GaAs. In *Applied Surface Science*. Vol. 467-468, (2019), s. 1219-1225. ISSN 0169-4332 (2019: 6.182 - IF, Q1 - JCR Best Q, 1.230 - SJR, Q1 - SJR Best Q). V databáze: SCOPUS:

2-s2.0-85056169728 ; DOI: 10.1016/j.apsusc.2018.10.164 ; CC: 000451023500139 ; WOS: 000451023500139.

- ADC06 DUBECKÝ, Matúš - JUREČKA, Petr - MITAS, Luboš - DITTE, Matej - FANTA, Roman. Toward accurate hydrogen bonds by scalable quantum Monte Carlo. In *Journal of chemical theory and computation*. Vol. 15, iss. 6 (2019), s. 3552-3557. ISSN 1549-9618 (2019: 5.011 - IF, Q1 - JCR Best Q, 1.759 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1021/acs.jctc.9b00096 ; SCOPUS: 2-s2.0-85066883822 ; WOS: 000471728500011 ; CC: 000471728500011.
- ADC07 GAWRACZYŃSKI, Jakub - KURZYDŁOWSKI, Dominik - EWINGS, Russel A. - BANDARU, Subrahmanyam - GADOMSKI, Wojciech - MAZEJ, Zoran - RUANI, Giampiero - BERGENTI, Ilaria - JARON, Tomasz - OZAROWSKI, Andrew - HILL, Stephen - LESZCZYŃSKI, Piotr J. - TOKÁR, Kamil - DERZSI, Mariana - BARONE, Paolo - WOHLFELD, Krzysztof - LORENZANA, Jose - GROCHALA, Wojciech. Silver route to cuprate analogs. In *Proceedings of the national academy of sciences of the United States of America*. Vol. 116, iss. 5 (2019), s. 1495-1500. ISSN 0027-8424 (2019: 9.412 - IF, Q1 - JCR Best Q, 5.165 - SJR, Q1 - SJR Best Q). V databáze: CC: 000456944600011 ; WOS: 000456944600011 ; SCOPUS: 2-s2.0-85060803846 ; DOI: 10.1073/pnas.1812857116.
- ADC08 HILLMAN, Yael - ORIO, Marina - PRIALNIK, Dina - SHARA, Michael - BEZÁK, Pavol - DOBROTKA, Andrej. The Supersoft X-Ray Transient ASASSN-16oh as a Thermonuclear Runaway without Mass Ejection. In *NEW SZP GEN: Astrophysical Journal Letters*. Vol. 879, iss. 1 (2019), s. 1-5. ISSN 2041-8205 (2019: 8.198 - IF, Q1 - JCR Best Q, 3.303 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000473506500003 ; CC: 000473506500003 ; DOI: 10.3847/2041-8213/ab2887 ; SCOPUS: 2-s2.0-85068982991.
- ADC09 HULMAN, Martin - SOJKOVÁ, Michaela - VÉGSÖ, Karol - MRKYVKOVA, Nada - HAGARA, Jakub - HUTÁR, Peter - KOTRUSZ, Peter - HUDEC, Ján - TOKÁR, Kamil - MAJKOVA, Eva - ŠIFFALOVÍČ, Peter. Polarized Raman Reveals Alignment of Few-Layer MoS Films. In *Journal of Physical Chemistry C*. Vol. 123, iss. 48 (2019), s. 29468-29475. ISSN 1932-7447 (2019: 4.189 - IF, Q2 - JCR Best Q, 1.477 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1021/acs.jpcc.9b08708 ; CC: 000501623100044 ; WOS: 000501623100044.
- ADC10 KUBLIHA, Marian - MAACHE, D. - BOŠÁK, Ondrej - MINÁRIK, Stanislav - TRNOVCOVÁ, Viera - LUKIC-PETROVIC, S. - SOLTANI, M.T. Mixed Alkaline Effect in Antimony-Based Glasses. In *Russian Journal of Electrochemistry*. Vol. 55, iss. 6 (2019), s. 510-516. ISSN 1023-1935 (2019: 1.063 - IF, Q4 - JCR Best Q, 0.315 - SJR, Q3 - SJR Best Q). V databáze: DOI: 10.1134/S1023193519060119 ; SCOPUS: 2-s2.0-85069209086 ; WOS: 000476524300005 ; CC: 000476524300005.
- ADC11 LOFAJ, František - KABÁTOVÁ, Margita - KVETKOVÁ, Lenka - DOBROVODSKÝ, Jozef - GIRMAN, Vladimír. Hybrid PVD-PECVD W-C:H coatings prepared by different sputtering techniques: The comparison of deposition processes, composition and properties. In *Surface & Coatings Technology*. Vol. 375, (2019), s. 839-853. ISSN 0257-8972 (2019: 3.784 - IF, Q1 - JCR Best Q, 0.938 -

SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1016/j.surfcoat.2019.07.078 ;  
SCOPUS: 2-s2.0-85070532077 ; WOS: 000488409900081 ; CC: 000488409900081.

- ADC12 LOFAJ, František - KABÁTOVÁ, Margita - KLICH, Marek - VAŇA, Dušan - DOBROVODSKÝ, Jozef. The comparison of structure and properties in DC magnetron sputtered and HiPIMS W-C:H coatings with different hydrogen content. In *Ceramics International*. Vol. 45, iss. 7 (2019), s. 9502-9514. ISSN 0272-8842 (2019: 3.830 - IF, Q1 - JCR Best Q, 0.891 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1016/j.ceramint.2018.09.219 ; SCOPUS: 2-s2.0-85054075944 ; WOS: 000463688400027 ; CC: 000463688400027.
- ADC13 MRKYVKOVA, N. - HODAS, Martin - HAGARA, Jakub - NÁDAŽDY, Pavol - HALAHOVETS, Yurily - BODÍK, Michal - TOKÁR, Kamil - CHAI, J.W. - WANG, S.J. - CHI, D.Z. - CHUMAKOV, Aleksandr I. - KONOVALOV, O. - HINDERHOFER, Alexander - JERGEL, M. - MAJKOVA, Eva - ŠIFFALOVÍČ, Peter - SCHREIBER, F. Diindenoperylene thin-film structure on MoS<sub>2</sub> monolayer. In *Applied Physics Letters*. Vol. 114, iss. 25 (2019), s. 51906-51906. ISSN 0003-6951 (2019: 3.597 - IF, Q1 - JCR Best Q, 1.343 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1063/1.5100282 ; SCOPUS: 2-s2.0-85068135919 ; WOS: 000474433800031 ; CC: 000474433800031.
- ADC14 PALCUT, Marián - ĎURIŠKA, Libor - ČERNÍČKOVÁ, Ivona - BRUNOVSKÁ, Sandra - GERHÁTOVÁ, Žaneta - SAHUL, Martin - ČAPLOVIČ, Ľubomír - JANOVEC, Jozef. Relationship between Phase Occurrence, Chemical Composition, and Corrosion Behavior of as-Solidified Al-Pd-Co Alloys. In *Materials [elektronický zdroj]*. Vol. 12, iss. 10 (2019), s. 1-17. ISSN 1996-1944 (2019: 3.057 - IF, Q2 - JCR Best Q, 0.647 - SJR, Q2 - SJR Best Q). V databáze: DOI: 10.3390/ma12101661 ; SCOPUS: 2-s2.0-85066849108 ; WOS: 000471012500090 ; CC: 000471012500090.
- ADC15 POPOVIČ, M. - NOVAKOVIČ, M. - NOGA, Pavol - VAŇA, Dušan - RAKOČEVIČ, Z. Synthesis of AuAg@Ag core/shell bimetallic nanoparticles in titanium nitride thin films by sequential ion implantation. In *Applied Surface Science*. Vol. 481, (2019), s. 1418-1424. ISSN 0169-4332 (2019: 6.182 - IF, Q1 - JCR Best Q, 1.230 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1016/j.apsusc.2019.03.243 ; SCOPUS: 2-s2.0-85063474771 ; WOS: 000472176900166 ; CC: 000472176900166.
- ADC16 PRIPUTEN, Pavol - DRIENOVSKÝ, Marián - NOGA, Pavol - KUSÝ, Martin - ČERNÍČKOVÁ, Ivona - JANOVEC, Jozef. Isothermal section of Ga-Co-Cu phase diagram at 830°C and its peculiarities. In *Journal of Alloys and Compounds*. Vol. 785, (2019), s. 1173-1179. ISSN 0925-8388 (2019: 4.650 - IF, Q1 - JCR Best Q, 1.055 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1016/j.jallcom.2019.01.288 ; SCOPUS: 2-s2.0-85060683805 ; WOS: 000460386900139 ; CC: 000460386900139.
- ADC17 STRĚMÝ, Maximilián - ŠUTOVÁ, Zuzana - PALKOVIČOVÁ, Ľubica - RICHTEROVÁ, Denisa - WIMMEROVÁ, Soňa - ČONKA, Kamil - DROBNÁ, Beata - FÁBELOVÁ, Lucia - JUREČKOVÁ, Dana - JUSKO, Todd A. - TIHÁNYI, Juraj - TRNOVEC, Tomáš. The spatial distribution of congener-specific human PCB concentrations in a PCB-polluted region. In *Science of the Total Environment*. Vol.

651, (2019), s. 2292-2303. ISSN 0048-9697 (2019: 6.551 - IF, Q1 - JCR Best Q, 1.661 - SJR, Q1 - SJR Best Q). V databáze: MLJ ; DOI: 10.1016/j.scitotenv.2018.10.123 ; SCOPUS: 2-s2.0-85054745159 ; WOS: 000450551600061 ; CC: 000450551600061.

ADC18 ŠOUC, Ján - GÖMÖRY, Fedor - SOLOVYOV, Mykola - VOJENČIAK, Michal - KUJOVIČ, Tomáš - SEILER, E. - KOVÁČ, Ján - FROLEK, Lubomír - BEHÚLOVÁ, Mária - JANOVEC, Jozef - CUNINKOVÁ, Eva - MIŠÍK, Jozef - PEKARČÍKOVÁ, Marcela - SKARBA, Michal. CORC-like cable production and characterization of the solenoid made from it. In *Superconductor Science and Technology*. Vol. 32, no. 3 (2019), s. 1-7. ISSN 0953-2048 (2019: 3.067 - IF, Q2 - JCR Best Q, 0.991 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1088/1361-6668/aaf9ee ; CC: 000457531600002 ; SCOPUS: 2-s2.0-85062456904.

#### **AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách**

AEC01 KOZÍK, Tomáš - MINÁRIK, Stanislav - KUNA, Peter - KUBLIHA, Marian. Applicability of measurements of local electrical parameters in the modeling of technological texture of ceramic blanks. In *Novel Trends in Production Devices and Systems V (NTPDS V) : Special topic volume with invited peer reviewed papers only*. 1. vyd. Zurich : Trans Tech Publications, 2019, S. 346-355. ISSN 0255-5476. ISBN 978-3-0357-1515-6. V databáze: SCOPUS: 2-s2.0-85066288006 ; DOI: 10.4028/www.scientific.net/MSF.952.346.

#### **AFC Publikované príspevky na zahraničných vedeckých konferenciách**

AFC01 BOŠÁK, Ondrej - PREŤO, Jozef - MINÁRIK, Stanislav - KUBLIHA, Marian - RUSNÁKOVÁ, Soňa - HRONKOVIČ, Ján - LABAŠ, Vladimír. A monitoring of the kinetics thermally degradation selected rubber by electrical methods. In *TIM 2018 : 18th Physics Conference, 24. - 26. May 2018, Timisoara, Romania*. 1. vyd. USA : American Institute of Physics Inc., 2019, S. 1-6. ISSN 0094-243X. ISBN 978-07354-1799-1. V databáze: SCOPUS: 2-s2.0-85061103716 ; WOS: 000468231600019 ; DOI: 10.1063/1.5090066.

AFC02 BOŠÁK, Ondrej - PREŤO, Jozef - LABAŠ, Vladimír - KUBLIHA, Marian - KOŠTIAL, Pavol - HRONKOVIČ, Ján - MINÁRIK, Stanislav. Electrical conductivity of rubber blends containing zeolite filler. In *TIM 2018 : 18th Physics Conference, 24. - 26. May 2018, Timisoara, Romania*. 1. vyd. USA : American Institute of Physics Inc., 2019, S. 1-6. ISSN 0094-243X. ISBN 978-07354-1799-1. V databáze: SCOPUS: 2-s2.0-85061104057 ; WOS: 000468231600020 ; DOI: 10.1063/1.5090067.

AFC03 DOBROVODSKÝ, Jozef - VAŇA, Dušan - STRÉMY, Maximilián - BEŇO, Matúš. Design of the time of flight ERDA system for 6 MV tandem ion accelerator. In *IOP Conference Series: Materials Science and Engineering*. Vol. 465, iss. 1 (2019), s. 1-6. ISSN 1757-8981. V databáze: DOI: 10.1088/1757-899X/465/1/012002 ; SCOPUS: 2-s2.0-85062502330 ; WOS: 000471165300002.

- AFC04 MINÁRIK, Stanislav - MARTINKOVIČ, Maroš. An estimating the local deformation parameters in grained structures via stereological methods. In *IOP Conference Series: Materials Science and Engineering*. Vol. 465, iss. 1 (2019), s. 1-11. ISSN 1757-8981. V databáze: DOI: 10.1088/1757-899X/465/1/012005 ; SCOPUS: 2-s2.0-85062526669 ; WOS: 000471165300005.
- AFC05 SVETSKÝ, Štefan - MORAVČÍK, Oliver. The Universal Personalized Approach for Human Knowledge Processing. In *Transactions on Engineering Technologies [elektronický zdroj] : 25th World Congress on Engineering (WCE 2017)*. 1. vyd. Singapore : Springer, 2019, online, s. 203-216. ISBN 978-981-13-0745-4. V databáze: DOI: 10.1007/978-981-13-0746-1\_16.
- AFC06 SVETSKÝ, Štefan - MORAVČÍK, Oliver. Some barriers regarding the sustainability of digital technology for long-term teaching. In *Proceedings of the Future Technologies Conference (FTC) 2018 : Advances in Intelligent Systems and Computing*. Vol. 880. 1. vyd. Cham : Springer, 2019, S. 950-961. ISSN 2194-5357. ISBN 978-3-030-02685-1. V databáze: DOI: 10.1007/978-3-030-02686-8\_71 ; SCOPUS: 2-s2.0-85055913960 ; WOS: 000505677000071.
- AFC07 SVETSKÝ, Štefan - MORAVČÍK, Oliver - TANUŠKA, Pavol - ČERVENĀNSKÁ, Zuzana. The didactic-technology challenges for design of the computer supported collaborative teaching. In *The Challenges of the Digital Transformation in Education [elektronický zdroj] : proceedings of the 21st International Conference on Interactive Collaborative Learning (ICL 2018), Kos Island, Greece, 25. - 28. september 2018 - Volume 2*. 1. vyd. Basel : Springer Nature Switzerland AG, 2019, S. 46-57. ISSN 2194-5357. ISBN 978-3-030-11935-5. V databáze: SCOPUS: 2-s2.0-85064692521.
- AFC08 SVETSKÝ, Štefan - MORAVČÍK, Oliver. A universal paradigm for integrating IT into educational and knowledge-based processes. In *World Congress on Engineering and Computer Science 2019 : WCECS 2019 : 22-24 October, 2019, San Francisco, USA*. 1. vyd. Hong Kong : IAENG, 2019, S. 226-232. ISSN 2078-0958. ISBN 978-988-14048-7-9. V databáze: SCOPUS: 2-s2.0-85083385203.
- AFC09 SVETSKÝ, Štefan - MORAVČÍK, Oliver - VAŽAN, Pavel. Modelling the IT Support of Knowledge Workers for Knowledge Management Processes. In *Proceedings of the 16th International Conference on Intellectual Capital, Knowledge Management & Organisational Learning : 16th International Conference on Intellectual Capital, Knowledge Management & Organisational Learning, ICICKM 2019, 5. - 6. december 2019, Sydney, Australia*. 1. vyd. England : Academic Conferences and Publishing International Limited, 2019, S. 331-339. ISBN 978-1-912764-50-1. V databáze: DOI: 10.34190/IKM.19.023.

#### **AFD Publikované príspevky na domácich vedeckých konferenciách**

- AFD01 DOBROVODSKÝ, Jozef - VAŇA, Dušan - BEŇO, Matúš - STRÉMY, Maximilián. Parameters of heavy-ion elastic recoil detection analysis (HI ERDA) ToF telescope. In *APCOM 2019 : 25th International conference on applied physics of condensed matter. Štrbské Pleso, Slovak Republic. June 19-21, 2019*. 1. ed. Melville : AIP Publishing, 2019, s. 1-6, Art. no. 020009. ISBN 978-0-7354-1873-8.

V databáze: DOI: 10.1063/1.5119462 ; SCOPUS: 2-s2.0-85070564344 ; WOS: 000535987500009.

- AFD02 RIEDLMAJER, Robert - VAŇA, Dušan - HAZLINGER, Marián. Hydrogen depth profile determination of materials by elastic recoil detection analysis. In *APCOM 2019 : 25th International conference on applied physics of condensed matter. Štrbské Pleso, Slovak Republic. June 19-21, 2019*. 1. ed. Melville : AIP Publishing, 2019, s. 1-5, Art. no. 020037. ISBN 978-0-7354-1873-8. V databáze: DOI: 10.1063/1.5119490 ; SCOPUS: 2-s2.0-85070562650 ; WOS: 000535987500037.
- AFD03 SITEK, Jozef - HOLKOVÁ, Dominika - DEKAN, Július - NOVÁK, Patrik - SOJAK, Stanislav - DOBROVODSKÝ, Jozef. Influence of Cu Ion Implantation on Nanocrystalline Alloy of NANOMET. In *APCOM 2019 : 25th International conference on applied physics of condensed matter. Štrbské Pleso, Slovak Republic. June 19-21, 2019*. 1. ed. Melville : AIP Publishing, 2019, Art. no. 020042 [4] s. ISBN 978-0-7354-1873-8. V databáze: SCOPUS: 2-s2.0-85070559658 ; WOS: 000535987500042.
- AFD04 VAŇA, Dušan - BEŇO, Matúš - DOBROVODSKÝ, Jozef. Analýza pomocou iónových zväzkov pre životné prostredie na MTF STU. In *20. Štiavnické dni 2019 : zborník recenzovaných príspevkov. Banská Štiavnica, Slovenská republika. 1.-3. októbra 2019*. 1. vyd. Bratislava : Univerzita Komenského v Bratislave, 2019, S. 161-167. ISBN 978-80-223-4795-2.

#### **AFG Abstrakty príspevkov zo zahraničných konferencií**

- AFG01 DURIŠKA, Libor - ČERNIČKOVÁ, Ivona - PRIPUTEN, Pavol - JANOVEC, Jozef. Isothermal section of Al-Pd-Co phase diagram at 1020°C. In *14 International Conference on Quasicrystals (ICQ14) : Book of Abstracts : Kranjska Gora, Slovenia, 26th-31st May 2019*. 1. vyd. Ljubljana : Institut Jožef Stefan, 2019, S. 134. ISBN 978-961-264-151-1.
- AFG02 PALCUT, Marián - ĎURIŠKA, Libor - ČERNIČKOVÁ, Ivona - ČAPLOVIČ, Ľubomír - JANOVEC, Jozef. Corrosion behavior of as-solidified Al-Pd-Co alloys. In *14 International Conference on Quasicrystals (ICQ14) : Book of Abstracts : Kranjska Gora, Slovenia, 26th-31st May 2019*. 1. vyd. Ljubljana : Institut Jožef Stefan, 2019, S. 135. ISBN 978-961-264-151-1.
- AFG03 PRIPUTEN, Pavol - ANTUŠEK, Andrej - NOGA, Pavol. Phase evolution in Al-Co-Cu-Fe-Ni based high-entropy alloys. In *14 International Conference on Quasicrystals (ICQ14) : Book of Abstracts : Kranjska Gora, Slovenia, 26th-31st May 2019*. 1. vyd. Ljubljana : Institut Jožef Stefan, 2019, S. 141. ISBN 978-961-264-151-1.

#### **AFH Abstrakty príspevkov z domácich konferencií**

- AFH01 ANTUŠEK, Andrej - BLAŠKO, Martin - URBAN, Miroslav - NOGA, Pavol - NENADOVIČ, Miloš. DFT study of the Au-C bond formation in gold implanted polyethylene. In *FunGlass School/part 2 [elektronický dokument] : Book of Abstracts, Papradno, 27-29. 11.2019*. 1. vyd. Trenčín : Trenčianska univerzita Alexandra Dubčeka, 2019, S. 12. ISBN 978-80-8075-900-1.

AFH02 DOBROVODSKÝ, Jozef - VAŇA, Dušan - BEŇO, Matúš - LOFAJ, František. Hydrogen depth profile measurement of WC thin films by ERDA and  $^{1}H(19F, \alpha\gamma)^{16}O$  resonance NRA. In *Development of Materials Science in Research and Education (DMS - RE 2019) : Book of Abstracts of the 29th Joint Seminar : 2-6 September, 2019, Nová Lesná*. Bratislava : CSACG, 2019, S. 19. ISBN 978-80-8208-019-6.

AFH03 MARTINKOVIČ, Maroš - VYSKOČOVÁ, Monika - NECPAL, Martin - MINÁRIK, Stanislav. Estimation of triaxial stress state of formed pieces using quantitative metallography. In *Metallography & Fractography 2019 : 17th International Symposium on Metallography, Fractography and Materials Science. Nový Smokovec, High Tatra Mountains, Slovak Republic, 24. - 26. 4. 2019*. 1. vyd. Košice : Technická univerzita, 2019, S. 55. ISBN 978-80-553-3285-7.

AFH04 MINÁRIK, Stanislav - MARTINKOVIČ, Maroš. On the problem of processing data from a cross-sectional image of grained structure. In *Development of Materials Science in Research and Education (DMS - RE 2019) : Book of Abstracts of the 29th Joint Seminar : 2-6 September, 2019, Nová Lesná*. Bratislava : CSACG, 2019, S. 36. ISBN 978-80-8208-019-6.

#### **AFK Postery zo zahraničných konferencií**

AFK01 BOŠÁK, Ondrej - HRONKOVIČ, Ján - PREŤO, Jozef - LABAŠ, Vladimír - MINÁRIK, Stanislav - KOŠTIAL, Pavol - KUBLIHA, Marian. Study of rheology of rubber blends containing zeolite filler with different binding agents. In *TIM 19 Physics Conference : 29 - 31 May 2019, Timisoara, Romania*. 1. vyd. Timisoara : Faculty of Physics, West University of Timisoara, 2019, S. 1.

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