

Publikácie / Publications

Institute: SAVCEMEA - Centrum pre využitie pokročilých materiálov SAV
Year of publication 2016~2021

Statistics publication category

ABC	Chapters in scientific monographs published abroad	2
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	111
ADDA	Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)	2
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ADNA	Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus	1
AFC	Published papers from foreign scientific conferences	4
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AFE	Abstracts of invited papers from foreign conferences	1
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BEE	Professional papers in foreign proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	1
GII	Other publications and documents which is not possible to categorize into classes/categories mentioned above	6
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ABC Chapters in scientific monographs published abroad

- ABC01 MOSNÁČKOVÁ, Katarína - KOLLÁR, Jozef - HUANG, Yi-Shen - HUANG, Chih-Feng - MOSNÁČEK, Jaroslav**. Synthesis routes of functionalized nanoparticles. In *Polymer Composites with Functionalized Nanoparticles : Synthesis, Properties, and Applications*. 1. - Amsterdam : Elsevier B.V., 2019, p. 1-46. ISBN 978-012814-064-2. Dostupné na: <https://doi.org/10.1016/B978-0-12-814064-2.00001-9>
- ABC02 NADA, Ahmed A.**. Polymer nanofibrous and their application for batteries. In *Electrospun nanofibers*. - Springer Cham, 2021, p. 147-170. ISBN 978-3-030-79978-6. Dostupné na: https://doi.org/10.1007/978-3-030-79979-3_3

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

- ADCA01 ADRIAN, Edyta - TREĽOVÁ, Dušana - FILOVÁ, Elena - KUMOREK, Marta - LOBAZ, Volodymyr - POREBA, Rafal - JANOUŠKOVÁ, Olga - POP-GEORGIEVSKI, Ognen - LACÍK, Igor - KUBIES, Dana**. Complexation of CXCL12, FGF-2 and VEGF with heparin modulates the protein release from alginate microbeads. In *International Journal of Molecular Sciences*, 2021, vol. 22, art. no. 11666, [25] p. (2020: 5.924 - IF, Q1 - JCR, 1.455 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1422-0067. Dostupné na: <https://doi.org/10.3390/ijms222111666>
- ADCA02 AGBOLUAJE, Maryam - REFAI, Ibrahim - MANSTON, Henry H. - HUTCHINSON, Robin A.** - DUŠIČKA, Eva - URBANOVÁ, Anna - LACÍK, Igor. A comparison of the solution radical propagation kinetics of partially water-miscible non-functional acrylates to acrylic acid. In *Polymer Chemistry*, 2020, vol. 11, iss. 44, p. 7104-7114. (2019: 5.342 - IF, Q1 - JCR, 1.459 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1759-9954. Dostupné na: <https://doi.org/10.1039/d0py01356k>
- ADCA03 ALAM, Shahidul** - NÁDAŽDY, Vojtech - VÁRY, Tomáš - FRIEBE, Christian - MEITZNER, Rico - AHNER, Johannes - ANAND, Aman - KARUTHEDATH, Safakath - DE CASTRO, Catherine S. P. - GÖHLER, Clemens - DIETZ, Stefanie - CANN, Jonathan - KÄSTNER, Christian - KONKIN, Alexander - BEENKEN, Wichard - ANTON, Arthur Markus - ULBRICHT, Christoph - SPERLICH, Andreas - HAGER, Martin D. - RITTER, Uwe - KREMER, Friedrich - BRÜGGEMANN, Oliver - SCHUBERT, Ulrich S. - EGBE, Daniel A. M. - WELCH, Gregory C. - DYAKONOV, Vladimir - DEIBEL, Carsten - LAQUAI, Frédéric - HOPPE, Harald**. Uphill and downhill charge generation from charge transfer to charge separated states in organic solar cells. In *Journal of Materials Chemistry C*, 2021, vol. 9, no. 40, p. 14463-14489. (2020: 7.393 - IF, Q1 - JCR, 1.899 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2050-7526. Dostupné na: <https://doi.org/10.1039/d1tc02351a>
- ADCA04 ANNUŠOVÁ, Adriana** - BODIK, Michal - HAGARA, Jakub - KOTLÁR, Mário - HALAHOVETS, Yuriy - MIČUŠÍK, Matej - CHLPÍK, Juraj - CIRÁK, Július - HOFBAUEROVÁ, Monika, Benkovičová - JERSEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter. On the extraction of MoO_x photothermally active nanoparticles by gel filtration from a byproduct of few-layer MoS₂ exfoliation. In *Nanotechnology*, 2021, vol. 32, no. 4, 045708. (2020: 3.874 - IF, Q2 - JCR, 0.926 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 0957-4484. Dostupné na: <https://doi.org/10.1088/1361-6528/abc035>
- ADCA05 ATTIA, Amina Abdel Meguid** - ABAS, Khadiga Mohamed - NADA, Ahmed - SHOUMAN, Mona Abdel Hamid - OPÁLKOVÁ ŠIŠKOVÁ, Alena - MOSNÁČEK, Jaroslav**. Fabrication, modification, and characterization of lignin-based electrospun fibers derived from distinctive biomass sources. In *Polymers : Open Access Polymer Science Journal*, 2021, vol. 13, art. no. 2277, [28] p. (2020: 4.329 - IF, Q1 - JCR, 0.770 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2073-4360. Dostupné na: <https://doi.org/10.3390/polym13142277>

- ADCA06 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>
- ADCA07 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>
- ADCA08 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>
- ADCA09 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>
- ADCA10 BÄSSLER, Heinz - KROH, Daniel - SCHAUER, Franz - NÁDAŽDY, Vojtech - KÖHLER, Anna**. Mapping the Density of States Distribution of Organic Semiconductors by Employing Energy Resolved - Electrochemical Impedance Spectroscopy. In *Advanced Functional Materials*, 2021, vol. 31, no. 9, art. no. 2007738. (2020: 18.808 - IF, Q1 - JCR, 6.069 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1616-301X. Dostupné na: <https://doi.org/10.1002/adfm.202007738>
- ADCA11 BODIK, Michal** - ANNUŠOVÁ, Adriana - HAGARA, Jakub - MIČUŠÍK, Matej - OMASTOVÁ, Mária - KOTLÁR, Mário - CHLPÍK, Juraj - CIRÁK, Július - ŠVAJDLENKOVÁ, Helena - ANGUŠ, Michal - ROLDÁN, Alicia Marín - VEIS, Pavel - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIC, Peter. An elevated concentration of MoS₂ lowers the efficacy of liquid-phase exfoliation and triggers the production of MoO_x nanoparticles. In *Physical Chemistry Chemical Physics*, 2019, vol. 21, no. 23, p. 12396-12405. (2018: 3.567 - IF, Q1 - JCR, 1.310 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/c9cp01951k>

- ADCA12 BODIK, Michal** - DEMYDENKO, Maksym - SHABELNYK, Tetiana - HALAHOVETS, Yuriy - KOTLAR, Mario - KOSTIUK, Dmytro - SHAJI, Ashin - BRUNOVA, Alica - VEIS, Pavel - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVÍČ, Peter. Collapse Mechanism in Few-Layer MoS₂ Langmuir Films. In *Journal of Physical Chemistry C*, 2020, vol. 124, no. 29, p. 15856-15861. (2019: 4.189 - IF, Q2 - JCR, 1.477 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.0c02365>
- ADCA13 BODIK, Michal** - KRAJČÍKOVÁ, Daniela - HAGARA, Jakub - MAJKOVÁ, Eva - BARÁK, Imrich** - ŠIFFALOVÍČ, Peter. Diffraction pattern of Bacillus subtilis CotY spore coat protein 2D crystals. In *Colloids and Surfaces B - Biointerfaces*, 2021, vol. 197, 111425. (2020: 5.268 - IF, Q1 - JCR, 0.939 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 0927-7765. Dostupné na: <https://doi.org/10.1016/j.colsurfb.2020.111425>
- ADCA14 BODIK, Michal** - SOJKOVÁ, Michaela - HULMAN, Martin - ĽAPAJNA, Milan - TRUCHLY, Martin - VÉGSO, Karol - JERGEL, Matej - MAJKOVÁ, Eva - ŠPANKOVÁ, Marianna** - ŠIFFALOVÍČ, Peter. Friction control by engineering the crystallographic orientation of the lubricating few-layer MoS₂ films. In *Applied Surface Science*, 2021, vol. 540, no. 1, 148328. (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.2020.148328>
- ADCA15 BODIK, Michal** - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVÍČ, Peter. Langmuir films of low-dimensional nanomaterials. In *Advances in colloid and interface science*, 2020, vol. 283, 102239. (2019: 9.922 - IF, Q1 - JCR, 2.066 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0001-8686. Dostupné na: <https://doi.org/10.1016/j.cis.2020.102239>
- ADCA16 BODIK, Michal** - MAXIAN, Ondrej - HAGARA, Jakub - NÁDAŽDY, Peter - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVÍČ, Peter. Langmuir-Scheaffer Technique as a Method for Controlled Alignment of 1D Materials. In *Langmuir*, 2020, vol. 36, no. 16, p. 4540-4547. (2019: 3.557 - IF, Q2 - JCR, 1.088 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/acs.langmuir.0c00045>
- ADCA17 BODIK, Michal** - ŠIFFALOVÍČ, Peter - NÁDAŽDY, Peter - HOFBAUEROVÁ, Monika, Benkovičová - MARKOVIČ, Zoran M. - CHLPIK, Juraj - CIRAK, Július - KOTLÁR, Mário - MIČUŠÍK, Matej - JERGEL, Matej - MAJKOVÁ, Eva. On the formation of hydrophobic carbon quantum dots Langmuir films and their transfer onto solid substrates. In *Diamond and Related Materials*, 2018, vol. 83, p. 170-176. (2017: 2.232 - IF, Q2 - JCR, 0.686 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0925-9635. Dostupné na: <https://doi.org/10.1016/j.diamond.2018.02.011>
- ADCA18 BODIK, Michal** - KOVÁČOVÁ, Mária - BANOVSKA, Sara - ŠPITÁLSKY, Zdenko - HELD, Vladimír - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVÍČ, Peter. Uniaxial strengthening of the polyamide film by the aligned

carbon nanotubes. In *Materials Today Communications*, 2020, vol. 25, art. no. 101432, [5] p. (2019: 2.678 - IF, Q2 - JCR, 0.599 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2352-4928. Dostupné na: <https://doi.org/10.1016/j.mtcomm.2020.101432>

ADCA19 BOGDANOWICZ, Krzysztof Artur** - JEWLOSZEWICZ, Beata - IWAN, Agnieszka** - DYSZ, Karolina - PRZYBYL, Wojciech - JANUSZKO, Adam - MARZEC, Monika - CICHY, Kasper - SVIERCZEK, Konrad - KAVAN, Ladislav - ZUKALOVÁ, Markéta - NÁDAŽDY, Vojtech - SUBAIR, Riyas - MAJKOVÁ, Eva - MIČUŠÍK, Matej - OMASTOVÁ, Mária - OZEREN, Mehmer Derya - KAMARÁS, Katalin - HEO, Do Yeon - KIM, Soo Young. Selected electrochemical properties of 4,4'-((1E,1'E)-((1,2,4-thiadiazole-3,5-diyl)bis(azaneylylidene))bis(methaneylylidene))bis(N,N-di-p-tolylaniline) towards perovskite solar cells with 14.4% efficiency. In *Materials*, 2020, vol. 13, no. 11, art. no. 2440, [18] p. (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/ma13112440>

ADCA20 BOHÁČ, Peter** - SASAI, Ryo - SOONTORNCHAIYAKUL, W. - CZÍMEROVÁ, Adriana - BUJDÁK, Juraj. Resonance energy transfer between cyanine dyes in hybrid films of layered silicate prepared by layer-by-layer method. In *Applied Clay Science*, 2021, vol. 202, p. 105985-1-105985-9. (2020: 5.467 - IF, Q1 - JCR, 1.062 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0169-1317. Dostupné na: <https://doi.org/10.1016/j.clay.2021.105985>

ADCA21 BORSKÁ, Katarína - KASÁK, Peter - DANKO, Martin** - MOSNÁČEK, Jaroslav. Photochemical transformation of diketone dopants in polyester matrices: Effect of dopants concentration and polyester structure on changes in molecular characteristics and hydrolysis of the matrices. In *Polymer Testing*, 2020, vol. 91, art. no. 106821, [10] p. (2019: 3.275 - IF, Q1 - JCR, 0.756 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0142-9418. Dostupné na: <https://doi.org/10.1016/j.polymertesting.2020.106821>

ADCA22 BRNDIAROVÁ, Jana** - ŠIFFALOVIČ, Peter - HULMAN, Martin - KÁLOSI, Anna - BODIK, Michal - SKÁKALOVÁ, V. - MIČUŠÍK, Matej - MARKOVIČ, Zoran M. - MAJKOVÁ, Eva - FRÖHLICH, Karol. Functionalized graphene transistor for ultrasensitive detection of carbon quantum dots. In *Journal of Applied Physics*, 2019, vol. 126, no. 214303. (2018: 2.328 - IF, Q2 - JCR, 0.746 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.5120757>

ADCA23 BRUNOVÁ, Alica - VÉGSO, Karol - NÁDAŽDY, Vojtech - NÁDAŽDY, Peter - SUBAIR, Riyas - JERGEL, Matej - MAJKOVÁ, Eva - PANDIT, Pallavi - ROTH, Stephan V. - KRASNANSKY, Alexander - HINDERHOFER, Alexander - SCHREIBER, Frank - TIAN, Jianjun - ŠIFFALOVIČ, Peter**. Structural and trap-state density enhancement in flash-infrared annealed Perovskite layers. In *Advanced Materials Interfaces*, 2021, vol. 8, no. 14, 2100355. (2020: 6.147 - IF, Q2 - JCR, 1.671 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2196-7350. Dostupné na: <https://doi.org/10.1002/admi.202100355>

- ADCA24 BUBLIKOV, Konstantin** - TÓBIK, Jaroslav - SADOVNIKOV, A.V. - MRUCZKIEWICZ, Michal**. Vortex gyrotropic mode in curved nanodots. In *Journal of Magnetism and Magnetic Materials*, 2021, vol. 537, no. 168105. (2020: 2.993 - IF, Q2 - JCR, 0.665 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2021.168105>
- ADCA25 CSANÁDI, Tamás** - GALL, Marián - VOJTKO, Marek - KOVALČÍKOVÁ, Alexandra - HNATKO, Miroslav - DUSZA, Ján - ŠAJGALÍK, Pavol. Micro scale fracture strength of grains and grain boundaries in polycrystalline La-doped beta-Si₃N₄ ceramics. In *Journal of the European Ceramic Society*, 2020, vol. 40, no. 14, p. 4783-4791. (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.2020.04.033>
- ADCA26 CVEK, Martin** - KOLLÁR, Jozef - MRLIK, Miroslav - MASAR, Milan - SULY, Pavol - URBANEK, Michal - MOSNÁČEK, Jaroslav**. Surface-initiated mechano-ATRP as a convenient tool for tuning of bidisperse magnetorheological suspensions toward extreme kinetic stability. In *Polymer Chemistry*, 2021, vol. 12, iss. 35, p. 5093-5105. (2020: 5.582 - IF, Q1 - JCR, 1.403 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1759-9954. Dostupné na: <https://doi.org/10.1039/d1py00930c>
- ADCA27 DANKO, Martin - MOSNÁČEK, Jaroslav - KUO, Shiao-Wei - LUKÁČ, Ivan**. Crosslinking of polystyrene film by di(4-dibenzoyl peroxide) ether synthesized or formed in situ using visible light-induced photo-peroxidation of 4,4'-oxydibenzil. In *Journal of Photochemistry and Photobiology. A: chemistry*, 2020, vol. 403, art. no. 112849, [9] p. (2019: 3.306 - IF, Q2 - JCR, 0.624 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1010-6030. Dostupné na: <https://doi.org/10.1016/j.jphotochem.2020.112849>
- ADCA28 DANKO, Martin** - MOSNÁČKOVÁ, Katarína - VYKYDALOVÁ, Anna - KLEINOVÁ, Angela - PUŠKÁROVÁ, Andrea - PANGALLO, Domenico - BUJDOŠ, Marek - MOSNÁČEK, Jaroslav. Properties and degradation performances of biodegradable poly(lactic acid)/poly(3-hydroxybutyrate) blends and keratin composites. In *Polymers : Open Access Polymer Science Journal*, 2021, vol. 13, art. no. 2693, [18] p. (2020: 4.329 - IF, Q1 - JCR, 0.770 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2073-4360. Dostupné na: <https://doi.org/10.3390/polym13162693>
- ADCA29 DUTKOVÁ, Erika** - LUKÁČOVÁ BUJŇÁKOVÁ, Zdenka - SHPOTYUK, Oleh - JAKUBÍKOVÁ, Jana - CHOLUJOVÁ, Dana - ŠIŠKOVÁ, Viera - DANEU, Nina - BALÁŽ, Matej - KOVÁČ, Jaroslav - KOVÁČ, Jaroslav Jr. - BRIANČIN, Jaroslav - DEMCHENKO, Pavlo. SDS-Stabilized CuInSe₂/ZnS Multinanocomposites Prepared by Mechanochemical Synthesis for Advanced Biomedical Application. In *Nanomaterials-Basel*, 2021, vol. 11, no. 1, p. 69. (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/nano11010069>

- ADCA30 ELIÁŠOVÁ SOHOVÁ, Marianna - BODIK, Michal - ŠIFFALOVIČ, Peter** - BUGÁROVÁ, Nikola - LABUDOVÁ, Martina - ZAŤOVIČOVÁ, Miriam - HIANIK, Tibor - OMASTOVÁ, Mária - MAJKOVÁ, Eva - JERGEL, Matej - PASTOREKOVÁ, Silvia. Label-free tracking of nanosized graphene oxide cellular uptake by confocal Raman microscopy. In *Analyst*, 2018, vol. 143, no. 15, p. 3686-3692. (2017: 3.864 - IF, Q1 - JCR, 1.249 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0003-2654. Dostupné na: <https://doi.org/10.1039/c8an00225h>
- ADCA31 FEILHAUER, Juraj** - SAHA, S. - TÓBIK, Jaroslav - ZEHETMAYER, M. - HEYDERMAN, L.J. - MRUCZKIEWICZ, Michal**. Controlled motion of skyrmions in a magnetic antidot lattice. In *Physical Review B*, 2020, vol. 102, no. 184425. (2019: 3.575 - IF, Q2 - JCR, 1.811 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.102.184425>
- ADCA32 GALEZIEWSKA, Monika - HOLOŠ, Ana - ILČÍKOVÁ, Markéta** - MRLIK, Miroslav - OSIČKA, Josef - SRNEC, Peter - MIČUŠÍK, Matej - MOUČKA, Robert - CVEK, Martin - MOSNÁČEK, Jaroslav** - PIETRASI, Joanna**. One-pot strategy for the preparation of electrically conductive composites using simultaneous reduction and grafting of graphene oxide via atom transfer radical polymerization. In *Macromolecules*, 2021, vol. 54, p. 10177-10188. (2020: 5.985 - IF, Q1 - JCR, 1.994 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 0024-9297. Dostupné na: <https://doi.org/10.1021/acs.macromol.1c01668>
- ADCA33 GALEZIEWSKA, Monika - LIPINSKA, Magdalena - MRLIK, Miroslav - ILČÍKOVÁ, Markéta** - GAJDOSOVA, Veronika - SLOUF, Miroslav - ACHBERGEROVÁ, Eva - MUSILOVÁ, Lenka - MOSNÁČEK, Jaroslav - PIETRASI, Joanna**. Polyacrylamide brushes with varied morphologies as a tool for control of the intermolecular interactions within EPDM/MVQ blends. In *Polymer : the International Journal for the Science and Technology of Polymers*, 2021, vol. 215, art. no. 123387, [7] p. (2020: 4.430 - IF, Q1 - JCR, 0.907 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0032-3861. Dostupné na: <https://doi.org/10.1016/j.polymer.2021.123387>
- ADCA34 GMUCOVÁ, Katarína** - KONÔPKA, Martin** - VÉGSO, Karol - BOKES, Peter - NÁDAŽDY, Vojtech - VÁRY, Tomáš. Correlation between Molecular Stereostructure, Film Microstructure, and Electronic Structure of Polyfluorene and Fluorene Based Alternating Copolymers F8BT and PFO-DBT. In *Journal of Physical Chemistry C*, 2021, vol. 125, p. 8045-8054. (2020: 4.126 - IF, Q2 - JCR, 1.401 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.0c10725>
- ADCA35 GRACHEV, A.A. - MATVEEV, O.V. - MRUCZKIEWICZ, Michal - MOROZOVA, M.A. - BEGININ, E.N. - SHESHUKOVA, S.E. - SADOVNIKOV, A.V.**. Strain-mediated tunability of spin-wave spectra in the adjacent magnonic crystal stripes with piezoelectric layer. In *Applied Physics Letters*, 2021, vol. 118, no. 262405. (2020: 3.791 - IF, Q2 - JCR, 1.182 - SJR, Q1 - SJR, Current Contents -

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