

Publikácie / Publications

Institute: SAVPOLYM - Ústav polymérov SAV
Year of publication 2016~2021

Statistics publication category

AAA	Scientific monographs published abroad	1
AAB	Scientific monographs published in Slovak publishing houses	1
ABC	Chapters in scientific monographs published abroad	14
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	431
ADCB	Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted)	1
ADDA	Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)	8
ADEB	Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)	11
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	30
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	4
AECA	Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks	7
AEDA	Scientific papers in domestic peer-reviewed proceedings and shorter chapters in domestic scientific monographs or academic/university textbooks	1
AFA	Published invited papers from foreign scientific conferences	5
AFB	Published invited papers from domestic scientific conferences	3
AFC	Published papers from foreign scientific conferences	28
AFD	Published papers from domestic scientific conferences	25
AFE	Abstracts of invited papers from foreign conferences	17
AFF	Abstracts of invited papers from domestic conferences	6
AFG	Abstracts of papers from foreign conferences	115
AFH	Abstracts of papers from domestic conferences	220
AFK	Foreign conferences posters	1
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	10

BBA	Chapters in professional books published abroad	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)	3
BDF	Professional papers in other domestic journals (not registered in CCC)	13
BEF	Professional papers in domestic proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	2
CGC	Artistic and architectural studies and projects - abroad	1
CJB	Exhibition catalogue (more than 8 pages and less than 1 author's sheet) published in Slovakia	1
CKB	Exhibition catalogue (more than 1 author's sheet) published in Slovakia	1
EDJ	Overview works, professional publications, translations of norms and standards and other professional translations published in journals and proceedings/collective publications	1
FAI	Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)	10
GHG	Works published on the internet	2
GII	Other publications and documents which is not possible to categorize into classes/categories mentioned above	244
Count		1240

AAA Scientific monographs published abroad

AAA01 CAPEK, Ignác. *Nanocomposite Structures and Dispersions : Second Edition*. Elsevier, 2019. 458 p. Dostupné na: <https://doi.org/10.1016/C2015-0-00616-5>. ISBN 978-0-444-63748-2

AAB Scientific monographs published in Slovak publishing houses

AAB01 GREŇČIKOVÁ, Anna - ŠKULCOVÁ, Andrea - BONDAREV, Dmitrij - RYBA, Jozef - MACKULAK, Tomáš. *Mikroplasty?! : Od výroby po náš tanier*. 1. vyd. Bratislava : Spektrum STU, 2019. 214 s. ISBN 978-80-227-4974-9

ABC Chapters in scientific monographs published abroad

ABC01 BENEDETTI, Fabrizio - RAČKO, Dušan - DORIER, Julien - STASIAK, Andrzej. Introducing supecoiling into models of chromosome structure. In *Modeling the 3D Conformation of Genomes*. 1. vyd. - [S. l.] : CRC Press, 2018, p. 115-138. ISBN 978-1-13850-079-2.

ABC02 BENKOVÁ, Zuzana** - CORDEIRO, M. Natália D. S. Coating of nanoparticles in aqueous solutions: Insights from molecular dynamics simulations. In *Aqueous phase adsorption: theory, simulations, and experiments*. - Boca Raton : Taylor & Francis, CRC Press, 2019, p. 135-155. ISBN 978-1-138-57521-9.

- ABC03 JOVANOVIĆ, Svetlana - MARKOVIĆ, Zoran M. - MARKOVIĆ, Biljana Todorović. Carbon Based Nanomaterials as Agents for Photodynamic Therapy. In *Photodynamic Therapy (PDT) : Principles, Mechanisms and Applications*. 1. - New York : Nova Science Publishers, 2017, p. 35-108. ISBN 978-1-53611-912-1.
- ABC04 MARÔNEK, Milan - NOVÁK, Igor - MICHALEC, Ivan - MATYAŠOVSKÝ, Ján - JURKOVIČ, Peter** - VALACHOVÁ, Katarína - ŠOLTÉS, Ladislav. Analysis of fumes arising during fabrication of hybrid adhesive-laser joints. In *Chemistry and chemical Engineering for Sustainable Development: Best Practices and Research Directions*. - CRC Press, Apple Academic Press, 2021, chapter 11, [23 p.]. ISBN 978-1-77188-870-7. Dostupné na: <https://doi.org/10.1201/9780367815967-11>
- ABC05 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>
- ABC06 NOVÁK, Igor - POPELKA, Anton - ŠPITÁLSKY, Zdenko - KRUPA, Igor - TAVMAN, Sebnem. Polyolefin in Packaging and Food Industry. In *Polyolefin Compounds and Materials : Fundamentals and Industrial Applications*. - Switzerland : Springer International Publishing, 2016, chapter. 7, P. 181-199. ISBN 978-3-319-25980-2.
- ABC07 PEPTU, Cristian - KOWALCZUK, Marek. Biomass-derived polyhydroxyalkanoates: Biomedical applications. In *Biomass as Renewable Raw Material to Obtain Bioproducts of High-Tech Value*. 1.vyd. - Amsterdam : Elsevier, 2018, p. 271-313. ISBN 978-0-444-63774-1.
- ABC08 POPELKA, Anton - NOVÁK, Igor - KRUPA, Igor. Polyolefin Adhesion Modification. In *Polyolefin Compounds and Materials : Fundamentals and Industrial Applications*. - Switzerland : Springer International Publishing, 2016, chapter. 8, P. 201-228. ISBN 978-3-319-25980-2.
- ABC09 RAČKO, Dušan - BENEDETTI, Fabrizio - DORIER, Julien - BURNIER, Yannis - STASIAK, Andrzej. Molecular dynamics simulation of supercoiled, knotted, and catenated DNA molecules, including modeling of action of DNA gyrase. In *The Bacterial Nucleoid*. - Chem : Springer, 2017, vol. 1624, p. 339-372. ISBN 978-1-4939-7098-8.
- ABC10 RYDZ, Joanna - OPÁLKOVÁ ŠIŠKOVÁ, 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>

- ABC11 RYCHLÝ, Jozef - RYCHLÁ, Lýdia. Polyolefins: From Thermal and Oxidative Degradation to Ignition and Burning. In *Polyolefin Compounds and Materials : Fundamentals and Industrial Applications*. - Switzerland : Springer International Publishing, 2016, chapter. 12, P. 285-314. ISBN 978-3-319-25980-2.
- ABC12 SAAD, Ali - OMASTOVÁ, Mária - CHEHIMI, Mohamed M. Clay/conductive polymer nanocomposites. In *Clay-Polymer Nanocomposites*. - Amsterdam : Elsevier, 2017, chapter 9, p. 199-237. ISBN 978-0-323-46153-5.
- ABC13 VALACHOVÁ, Katarína** - TOPOĽSKÁ, Dominika - MENDICHI, Raniero - RYCHLÝ, Jozef - ŠOLTÉS, Ladislav. Protective effects of catalase indicate hydrogen peroxide involvement in hyaluronan degradation initiated by Cu(II) ions plus ascorbate in situ. In *Applied Chemistry and Chemical Engineering*. Volume 2. Principles, Methodology, and Evaluation Methods. - Oakville, Ontario : CRC Press, Apple Academic Press, 2018, p. 157-170. ISBN 978-1-77188-558-4.
- ABC14 ZAHORANOVÁ, Anna - KRONEK, Juraj. Hydrogels based on poly(2-oxazoline)s for pharmaceutical applications. In *Bioactive and Compatible Synthetic/Hybrid Polymers*. - Salem : Wiley, 2016, chapter 10, p. 231-258. ISBN 978-1-119-04146-7.

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

- ADCA01 ABLA, Fatima - KANAN, Sofian M. - PARK, Yeji - HAN, Changseok - OMASTOVÁ, Mária - CHEHIMI, Mohamed M. - MOHAMED, Ahmed A.**. Exceptionally redox-active precursors in the synthesis of gold core-tin oxide shell nanostructures. In *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 2021, vol. 616, art. no. 126266, [9] p. (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.2021.126266>
- ADCA02 ADRIAN, Edyta - TREĽOVÁ, Dušana - FILOVÁ, Elena - KUMOREK, Marta - LOBAZ, Volodymyr - POREBA, Rafal - JANOUŠKOVÁ, Olga - POP-GEORGIEVSKI, Ognjen - 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>
- ADCA03 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>
- ADCA04 ANNUŠOVÁ, Adriana** - BODIK, Michal - HAGARA, Jakub - KOTLÁR, Mário - HALAHOVETS, Yuriy - MICUŠÍK, Matej - CHLPÍK, Juraj - CIRÁK,

Július - HOFBAUEROVÁ, Monika, Benkovičová - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter. On the extraction of MoOx 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 ANTAL, Iryna - KONERACKÁ, Martina** - KUBOVČÍKOVÁ, Martina - ZÁVIŠOVÁ, Vlasta - KHMARA, Iryna - LUČANSKÁ, Daša - JELENSKÁ, Lenka - KAJANOVÁ, Ivana - ZAŤOVIČOVÁ, Miriam - PASTOREKOVÁ, Silvia - BUGÁROVÁ, Nikola - MIČUŠÍK, Matej - OMASTOVÁ, Mária - KOPČANSKÝ, Peter. D,L-lysine functionalized Fe3O4 nanoparticles for detection of cancer cells. In *Colloids and Surfaces B - Biointerfaces*, 2018, vol. 163, p. 236-245. (2017: 3.997 - IF, Q1 - JCR, 1.071 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0927-7765. Dostupné na: <https://doi.org/10.1016/j.colsurfb.2017.12.022>

ADCA06 ANTAL, Iryna - KONERACKÁ, Martina** - KUBOVČÍKOVÁ, Martina - ZÁVIŠOVÁ, Vlasta - JURÍKOVÁ, Alena - KHMARA, Iryna - OMASTOVÁ, Mária - MIČUŠÍK, Matej - BARÁTHOVÁ, Monika - JELENSKÁ, Lenka - KAJANOVÁ, Ivana - ZAŤOVIČOVÁ, Miriam - PASTOREKOVÁ, Silvia. Targeting of carbonic anhydrase IX-positive cancer cells by glycine-coated superparamagnetic nanoparticles. In *Colloids and Surfaces B - Biointerfaces*, 2021, vol. 205, art.no. 111893, [10] p. (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.2021.111893>

ADCA07 ATTIA, Amina Abdel Meguid** - ABAS, Khadiga Mohamed - NADA, Ahmed - SHOUMAN, Mona Abdel Hamid - OPÁLKOVÁ ŠÍŠKOVÁ, 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>

ADCA08 BALTA, Zeynep - SIMSEK, Esra Bilgin** - BEREK, Dušan. Facile synthesis of flake-like Bi2WO6/carbon fiber heterojunction catalysts with enhanced photoactivity under visible light illumination. In *Optik : International Journal for Light and Electron Optics*, 2019, vol. 183, p. 38-46. (2018: 1.914 - IF, Q3 - JCR, 0.404 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0030-4026. Dostupné na: <https://doi.org/10.1016/j.ijleo.2019.02.040>

ADCA09 BALTA, Zeynep** - SIMSEK, Esra Bilgin - BEREK, Dušan. Solvothermal synthesis of WO3/TiO2/carbon fiber composite photocatalysts for enhanced performance under sunlight illumination. In *Photochemistry and Photobiology*, 2019, vol. 95, p. 1331-1338. (2018: 2.338 - IF, Q3 - JCR, 0.806 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0031-8655. Dostupné na: <https://doi.org/10.1111/php.13117>

- ADCA10 BAO, Le Quoc** - NGUYEN, Thanh-Huong - FEI, Haojie - SAPURINA, Irina - NGWABEBHOH, Fahanwi Asabuwa - BUBULINCA, Constantin - MUNSTER, Lukas - DOMINCOVÁ BERGEROVÁ, Eva - LANGALOVÁ, Anežka - JIANG, Hao - DAO, Tran Trong - BUGÁROVÁ, Nikola - OMASTOVÁ, Mária - KAZANTSEVA, Natalia E. - SAHA, Petr. Electrochemical performance of composites made of rGO with Zn-MOF and PANI as electrodes for supercapacitors. In *Electrochimica Acta*, 2021, vol. 367, art. no. 137563, [13] p. (2020: 6.901 - IF, Q2 - JCR, 1.534 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0013-4686. Dostupné na: <https://doi.org/10.1016/j.electacta.2020.137563>
- ADCA11 BARAN, Anton** - VRÁBEL, Peter - OLČÁK, Dušan - CHODÁK, Ivan. Solid state ¹³C-NMR study of plasticized PLA/PHB polymer blend. In *Journal of Applied Polymer Science*, 2018, vol. 135, art. no. 46296. (2017: 1.901 - IF, Q2 - JCR, 0.543 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0021-8995. Dostupné na: <https://doi.org/10.1002/app.46296>
- ADCA12 BARTA, Marek** - KAUTMANOVÁ, Ivona - ČIČKOVÁ, Helena - FERENČÍK, J. - FLORIÁN, Štěpán - NOVOTNÝ, Július - KOZÁNEK, Milan. The potential of *Beauveria bassiana* inoculum formulated into a polymeric matrix for a microbial control of spruce bark beetle. In *Biocontrol Science and Technology*, 2018, vol. 28, no. 7, p. 718-735. (2017: 0.918 - IF, Q3 - JCR, 0.441 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0958-3157. Dostupné na: <https://doi.org/10.1080/09583157.2018.1487027>
- ADCA13 BARTOŠ, Josef** - ŠAUŠA, Ondrej - ŠVAJDLENKOVÁ, Helena - MAŤKO, Igor - ČECHOVÁ, Katarína. Bulk and confined n-alkanes: n-undecane in unmodified vs. modified silica gels by positron annihilation lifetime spectroscopy and electron spin resonance techniques. In *Journal of Non-Crystalline Solids*, 2019, vol. 511, p. 1-9. (2018: 2.600 - IF, Q1 - JCR, 0.689 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2019.01.036>
- ADCA14 BARTOŠ, Josef** - ŠVAJDLENKOVÁ, Helena. Bulk and confined alkanols by spin probe ESR: Effects of pore size, pore surface composition and pore topology on n-propanol in a series of mesoporous silica-based matrices. In *Journal of Non-Crystalline Solids*, 2021, vol. 557, art. no. 120647, [7] p. (2020: 3.531 - IF, Q1 - JCR, 0.764 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2021.120647>
- ADCA15 BARTOŠ, Josef** - ŠAUŠA, Ondrej - VYROUBALOVÁ, Michaela - MAŤKO, Igor - ŠVAJDLENKOVÁ, Helena. Confined effects on structural isomers in the MCM-41-SIL matrix as seen by extrinsic probes via PALS and ESR: n-butanol vs tert-butanol. In *Journal of Physical Chemistry C*, 2021, vol. 125, no. 29, p. 15796-15811. (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.1c01951>

- ADCA16 BARTOŠ, Josef** - ARRESE-IGOR, Silvia - ŠVAJDLENKOVÁ, Helena - KLEINOVÁ, Angela - ALEGRÍA, Angel. Dynamics of confined short-chain alkanol in MCM-41 by dielectric spectroscopy: Effects of matrix and system treatments and filling factor. In *Polymers : Open Access Polymer Science Journal*, 2020, vol. 12, no. 3, art.no. 610, [17] p. (2019: 3.426 - IF, Q1 - JCR, 0.704 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2073-4360. Dostupné na: <https://doi.org/10.3390/polym12030610>
- ADCA17 BARTOŠ, Josef** - ZGARDZINSKA, B. - ŠVAJDLENKOVÁ, Helena - LUKEŠOVÁ, Miroslava - ZALESKI, R. ESR and PALS detection of the dynamic crossover in the supercooled liquid states of short and medium-sized n-alkanes. In *Chemical Physics Letters*, 2018, vol. 700, p. 102-107. (2017: 1.686 - IF, Q3 - JCR, 0.656 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0009-2614. Dostupné na: <https://doi.org/10.1016/j.cplett.2018.04.016>
- ADCA18 BARTOŠ, Josef** - CORSARO, C. - MALLAMACE, D. - ŠVAJDLENKOVÁ, Helena - LUKEŠOVÁ, Miroslava. ESR evidence of the dynamic crossover in the supercooled liquid states of a series of solid n-alkanes. In *Physical Chemistry Chemical Physics*, 2018, vol. 20, p. 11145-11151. (2017: 3.906 - IF, Q1 - JCR, 1.686 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/c8cp00175h>
- ADCA19 BARTOŠ, Josef** - ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej. Molecular probe dynamics and free volume heterogeneities in n-propanol confined in a regular MCM-41 matrix by ESR and PALS. In *RSC Advances*, 2020, vol. 10, p. 2283-2294. (2019: 3.119 - IF, Q2 - JCR, 0.736 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2046-2069. Dostupné na: <https://doi.org/10.1039/c9ra09495d>
- ADCA20 BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej - LUKEŠOVÁ, Miroslava - EHLERS, D. - MICHL, M. - LUNKENHEIMER, P. - LOIDL, A. Molecular probe dynamics and free volume in organic glass-formers and their relationships to structural relaxation: 1-propanol. In *Journal of Physics: Condensed Matter*, 2016, vol. 28, no. 1, 015101. (2015: 2.209 - IF, Q2 - JCR, 1.043 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/28/1/015101>
- ADCA21 BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena. On the mutual relationships between spin probe mobility, free volume and relaxation dynamics in organic glass-formers: Glycerol. In *Chemical Physics Letters*, 2017, vol. 670, p. 58-63. (2016: 1.815 - IF, Q2 - JCR, 0.718 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0009-2614. Dostupné na: <https://doi.org/10.1016/j.cplett.2016.12.064>
- ADCA22 BEDNAREK, Melania** - BORSKÁ, Katarína - KUBISA, Przemysław. Crosslinking of polylactide by high energy irradiation and photo-curing. In *Molecules*, 2020, vol. 25, no. 21, art. no. 4919, [28] p. (2019: 3.267 - IF, Q2 - JCR, 0.698 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1420-3049. Dostupné na: <https://doi.org/10.3390/molecules25214919>

- ADCA23 BEDNAREK, Melania** - BORSKÁ, Katarína. New polylactide-based materials by chemical crosslinking of PLA. In *Polymer Reviews*, 2021, vol. 61, no. 3, p. 493-519. (2020: 13.282 - IF, Q1 - JCR, 2.089 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1558-3724. Dostupné na: <https://doi.org/10.1080/15583724.2020.1855194>
- ADCA24 BEKHTA, Pablo** - SEDLIAČIK, Ján - KAČÍK, František - NOSHCHENKO, Gregory - KLEINOVÁ, Angela. Lignocellulosic waste fibers and their application as a component of urea-formaldehyde adhesive composition in the manufacture of plywood. In *European Journal of Wood and Wood Products*, 2019, vol. 77, no. 4, p. 495-508. (2018: 1.901 - IF, Q1 - JCR, 0.584 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0018-3768. Dostupné na: <https://doi.org/10.1007/s00107-019-01409-8>
- ADCA25 BEKHTA, Pavlo - MAMOŇOVÁ, Miroslava - SEDLIAČIK, Ján - NOVÁK, Igor. Anatomical study of short-term thermo-mechanically densified alder wood veneer with low moisture content. In *European Journal of Wood and Wood Products*, 2016, vol. 74, p. 643-652. (2015: 1.081 - IF, Q2 - JCR, 0.563 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS). ISSN 0018-3768. Dostupné na: <https://doi.org/10.1007/s00107-016-1033-2>
- ADCA26 BENEDETTI, Fabrizio - RAČKO, Dušan - DORIER, Julien - BURNIER, Yannis - STASIAK, Andrzej. Transcription-induced supercoiling explains formation of self-interacting chromatin domains in *S. pombe*. In *Nucleic acids research*, 2017, vol. 45, no. 17, p. 9850-9859. (2016: 10.162 - IF, Q1 - JCR, 7.883 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0305-1048. Dostupné na: <https://doi.org/10.1093/nar/gkx716>
- ADCA27 BENKOVÁ, Zuzana - NÁMER, Pavol - CIFRA, Peter. Comparison of a stripe and slab confinement for ring and linear macromolecules in nanochannel. In *Soft Matter*, 2016, vol. 12, no. 40, p. 8425-8439. (2015: 3.798 - IF, Q1 - JCR, 1.634 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1744-683X. Dostupné na: <https://doi.org/10.1039/c6sm01507g>
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