

Publikácie / Publications

Department: SAVPOLYM - Ústav polymérov SAV
Year of publication 2012~2015

Statistics publication category

AAA	Scientific monographs published abroad	2
ABA	Monographic studies in journals and proceedings published abroad	1
ABC	Chapters in scientific monographs published abroad	11
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	234
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)	8
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ADMA	Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus	3
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ADNA	Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus	1
AEC	Scientific papers in foreign peer-reviewed proceedings, monographs	29
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AED	Scientific papers in domestic peer-reviewed proceedings, monographs	3
AFA	Published invited papers from foreign scientific conferences	5
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BDF	Professional papers in other domestic journals (not registered in CCC)	4
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BEF	Professional papers in domestic proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	1
FAI	Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)	5
GII	Other publications and documents which is not possible to categorize into classes/categories mentioned above	22
Count		915

AAA Scientific monographs published abroad

AAA01 CAPEK, Ignác. *DNA Engineered Noble Metal Nanoparticles : Fundamentals and State-of-the-Art of Nanobiotechnology*. 1. Salem : Scrivener Publishing LLC, 2015. 637 p. ISBN 978-1-118-07214-1.

AAA02 RÁZGA, Filip. *Structure and dynamics of rRNA: A computational study : Kirk-turn motif as a flexible molecular hinge*. Saarbrücken, Germany : Scholar's Press, 2015, 157 p. ISBN 978-3-639-76604-2.

ABA Monographic studies in journals and proceedings published abroad

ABA01 CAPEK, Ignác. Nanosuspensions. In *Encyclopedia of Colloid and Interface Science*. - Springer, 2013, p. 748-782. ISBN 978-3-642-20664-1.

ABC Chapters in scientific monographs published abroad

ABC01 BEREK, Dušan. Molecular characterization of synthetic polymers by means of liquid chromatography. In *Physical Chemistry of Macromolecules. Macro to Nanoscales*. - Toronto : Apple Academic Press, 2014, chapter. 11, P. 221-331. ISBN 978-1-926895-64-2.

ABC02 CZANIKOVÁ, Klaudia - OMASTOVÁ, Mária - KRUPA, Igor - KASÁK, Peter - PAVLOVÁ, Ewa - CHORVÁT, Dušan Jr. Elastomeric actuators based on ethylene-vinyl-acetate and carbon nanotubes. In *Chemistry: The Key to our Sustainable Future*. - Dordrecht, Germany : Springer Science + Business Media, 2014, chapter. 1, P. 1 - 14. ISBN 978-94-007-7388-2.

ABC03 ILČÍKOVÁ, Markéta - MRLÍK, Miroslav - MOSNÁČEK, Jaroslav. Thermoplastic elastomers with photo-actuating properties. Edited by Chapal Kumar Das. In *Thermoplastic elastomers - synthesis and applications*. - Rijeka, Croatia : InTech, 2015, chapter. 6, P. 115-143. ISBN 978-953-51-2223-4. Dostupné na internete: <<http://dx.doi.org/10.5772/59647>>.

ABC04 KRONEK, Juraj - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - KRONEKOVÁ, Zuzana - LUSTOŇ, Jozef. Biocompatibility and

immunocompatibility assessment of poly(2-oxazolines). In *Practical applications in biomedical engineering*. - Rijeka, Croatia : InTech, 2012, chapter 11, P. 257- 284. ISBN 978-953-51-0924-2.

ABC05 KRONEK, Juraj. Poly(2-oxazolines) as biomedical materials. In *Encyclopedia of Biomedical Polymers and Polymeric Biomaterials*. - New York, US : Taylor & Francis, 2015, p. 6031-6047. ISBN 978-1-439-89879-6.

ABC06 MIČUŠÍK, Matej - OMASTOVÁ, Mária. Carbon nanotubes/polypyrrole hybrids. In *Applied Surface Chemistry of Nanomaterials*. - New York : Nova Science Publishers, 2013, chapter. 10, P. 279 - 300. ISBN 978-1-62808-351-4.

ABC07 MRLÍK, Miroslav - ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - PAVLÍNEK, Vladimír. Modification of carbon nanotubes: Improvement of physical and photo-actuating properties of their elastomeric composites. In *Research and innovation in carbon nanotube-based composites*. - Hong Kong : The World Academic Publishing, 2015, chapter 7, P. 103-124. ISBN 978-0-9889190-1-3.

ABC08 NOVÁK, Igor - POPELKA, Anton - CHODÁK, Ivan - SEDLIAČIK, Ján. Study of adhesion and surface properties of modified polypropylene. In *Polypropylene*. - Rijeka, Croatia : InTech, 2012, chapter 9, P. 125 - 160. ISBN 978-953-51-0636-4.

ABC09 ROLLET, Marion - PELLETIER, Berengere - BEREK, Dušan - MARIA, Sebastien - PHAN, Trang N. T. - GIGMES, Didier. Separation of parent homopolymers from poly(ethylene oxide) and polystyrene based block copolymers by liquid chromatography under limiting conditions of desorption. 2. Studies of samples obtained from ATRP and NMP. In *Controlled radical polymerization : Materials*. - Washington, US : American Chemical Society, 2015, aCS Symposium Series, vol. 1188, chapter 20, P. 327-347. ISBN 9780841230514.

ABC10 RYCHLÝ, Jozef - RYCHLÁ, Lýdia - LATTUATI-DERIEUX, Agnes - RICHARDSON, Emma. Scientific assessment of plastics degradation. In *Preservation of Plastics Artefacts in Museum Collections*. - Bruxelles : Éditions du Comité des travaux historiques et scientifiques, 2012, chapter. 3, P. 159-215. ISBN 978-2-7355-0770-2.

ABC11 WINTER, A. Douglas - LARIOS, Eduardo - JAYE, Chernob - OMASTOVÁ, Mária - FISCHER, Daniel A. - CAMPO, Eva M.. Noncovalent interactions in polymer nanocomposites. In *New horizons in nanoscience and engineering*. - Washington : SPIE, 2015, chapter 4, P. 147-190. ISBN 978-16-2841-795-1.

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

ADCA01 ALMAADEED, Mariam A. - NÓGELLOVÁ, Zuzana - JANIGOVÁ, Ivica - KRUPA, Igor. Improved mechanical properties of recycled linear low-density polyethylene composites filled with date palm wood powder. In *Materials and Design*, 2014, vol. 58, p. 209-216. (3.171 - IF2013). (2014 - Current Contents). ISSN 0261-3069.

- ADCA02 ALMAADEED, Mariam A. - NÓGELLOVÁ, Zuzana - MICUŠÍK, Matej - NOVÁK, Igor - KRUPA, Igor. Mechanical sorption and adhesive properties of composites based on low density polyethylene filled with date palm wood powder. In *Materials and Design*, 2014, vol. 53, p. 29 - 37. (3.171 - IF2013). (2014 - Current Contents). ISSN 0261-3069.
- ADCA03 ATTIA, Mohamed F. - AZIB, Tahar - SALMI, Zakaria - SINGH, Ajay - DECORSE, Philippe - BATTAGLINI, Nicolas - LECOQ, Helene - OMASTOVÁ, Mária - HIGAZY, Asha A. - ELSHAFEI, Amira M. - HASHEM, Mohamed M. - CHEHIMI, Mohamed M. One-step UV-induced modification of cellulose fabrics by polypyrrole/silver nanocomposite films. In *Journal of Colloid and Interface Science*, 2013, vol. 393, p. 130 - 137. (3.172 - IF2012). (2013 - Current Contents). ISSN 0021-9797.
- ADCA04 BAŇASOVÁ, Mária - VALACHOVÁ, Katarína - RYCHLÝ, Jozef - JANIGOVÁ, Ivica - CSOMOROVÁ, Katarína - MENDICHI, Raniero - MISLOVIČOVÁ, Danica - JURÁNEK, Ivo - ŠOLTÉS, Ladislav. Effect of buccillamine on free-radical-mediated degradation of high-molar-mass hyaluronan induced in vitro by ascorbic acid and Cu(II) ions. In *Polymers : Open Access Polymer Science Journal*, 2014, vol. 6, no. 10, p. 2625-2644. (2.505 - IF2013). (2014 - Current Contents). ISSN 2073-4360. VEGA 2/0011/11, VEGA 2/0147/12, VEGA 2/0149/12, ITMS 26240220040, APVV 0351-10.
- ADCA05 BARNER-KOWOLLIK, Christopher - BEUERMANN, Sabine - BUBACK, Michael - CASTIGNOLLES, Patrice - CHARLEUX, Bernadette - COOTE, Michelle L. - HUTCHINSON, Robin A. - JUNKERS, Thomas - LACÍK, Igor - RUSSELL, Gregory T. - STACH, Marek - VAN HERK, Alex M. Critically evaluated rate coefficients in radical polymerization.- 7. Secondary-radical propagation rate coefficients for methyl acrylate in the bulk. In *Polymer Chemistry*, 2014, vol. 5, p. 204 - 212. (5.368 - IF2013). (2014 - Current Contents). ISSN 1759-9954.
- ADCA06 BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena - LUKEŠOVÁ, Miroslava - YU, Y. - KRAUSE-REHBERG, R. Molecular dynamics and free volume in organic glass-formers: A series of oligomer and polymer 1,4-poly(isoprene)s. In *Chemical Physics Letters*, 2014, vol. 602, p. 28-33. (1.991 - IF2013). (2014 - Current Contents). ISSN 0009-2614.
- ADCA07 BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena - YU, Y. - DLUBEK, G. - KRAUSE-REHBERG, R. Molecular probe dynamics and free volume in glass-formers: 1,2- and 2,4-poly(butadiene)s. In *Chemical Physics Letters*, 2013, vol. 584, p. 88 - 92. (2.145 - IF2012). (2013 - Current Contents). ISSN 0009-2614.
- ADCA08 BARTOŠ, Josef - ISKROVÁ - MIKLOŠOVIČOVÁ, Martina - CANGIALOSI, D. - ALEGRÍA, A. - ŠAUŠA, Ondrej - ŠVAJDLENKOVÁ, Helena - ARBE, A. - KRIŠTIK, Jozef - COLMENERO, J. Positron annihilation and relaxation dynamics from dielectric spectroscopy: poly (vinylmethylether). In *Journal of Physics: Condensed Matter*, 2012, vol. 24, art.no.155104. (2.546 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

- ADCA09 BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena - ZALESKI, R. - EDELMANN, M. - LUKEŠOVÁ, Miroslava. Spin probe dynamics in relation to free volume in crystalline organics by means of ESR and PALS: n-Hexadecane. In *Physica B: Condensed Matter*, 2013, vol. 430, p. 99 - 105. (1.327 - IF2012). (2013 - Current Contents). ISSN 0921-4526.
- ADCA10 BENEDETTI, Fabrizio - JAPARIDZE, Aleksandre - DORIER, Julien - RAČKO, Dušan - KWAPICH, Robert - BURNIER, Yannis - DIETLER, Giovanni - STASIAK, Andrzej. Effects of physiological self-crowding of DNA on shape and biological properties of DNA molecules with various levels of supercoiling. In *Nucleic acids research*, 2015, vol. 43, no. 4, p. 2390-2399. (9.112 - IF2014). (2015 - Current Contents). ISSN 0305-1048.
- ADCA11 BENKOVÁ, Zuzana - CIFRA, Peter. Comparison of linear and ring DNA macromolecules moderately and strongly confined in nanochannels. In *Biochemical society transactions*, 2013, vol. 41, p.625 -629. (2.587 - IF2012). (2013 - Current Contents). ISSN 0300-5127.
- ADCA12 BENKOVÁ, Zuzana - CORDEIRO, M. Natália D. S. Molecular dynamics study of poly(ethylene oxide) chains densely grafted on siloxane surface in dry conditions. In *Journal of Physical Chemistry C*, 2012, vol. 116, p. 5576 - 3584. (4.805 - IF2011). (2012 - Current Contents). ISSN 1932-7447.
- ADCA13 BENKOVÁ, Zuzana - CORDEIRO, M. Natalia D. S. Molecular dynamics simulations of poly(ethylene oxide) grafted onto silica immersed in melt of homopolymers. In *Langmuir*, 2015, vol. 31, p. 10254-10264. (4.457 - IF2014). (2015 - Current Contents). ISSN 0743-7463.
- ADCA14 BENKOVÁ, Zuzana - CIFRA, Peter. Simulation of semiflexible cyclic and linear chains moderately and strongly confined in nanochannels. In *Macromolecules*, 2012, vol. 45, p. 2597 - 2608. (5.167 - IF2011). (2012 - Current Contents). ISSN 0024-9297.
- ADCA15 BENKOVÁ, Zuzana - NÁMER, Pavol - CIFRA, Peter. Stripe to slab confinement for the linearization of macromolecules in nanochannels. In *Soft Matter*, 2015, vol. 11, p. 2279-2289. (4.029 - IF2014). (2015 - Current Contents). ISSN 1744-683X.
- ADCA16 BEREK, Dušan - MACOVÁ, Eva. Liquid chromatography under limiting conditions of desorption 6: Separation of a four-component polymer blend. In *Journal of Separation Science*, 2015, vol. 38, p. 543-549. (2.737 - IF2014). (2015 - Current Contents). ISSN 1615-9306.
- ADCA17 BERTÓK, Tomáš, 1986- - KLUKOVA, Ludmila - SEDIVA, Alena - KASÁK, Peter - SEMAK, Vladislav - MÍČUŠÍK, Matej - OMASTOVÁ, Mária - CHOVANOVÁ, Lucia - VLČEK, Miroslav - IMRICH, Richard - VIKARTOVSKÁ, Alica, Welwardová - TKÁČ, Ján. Ultrasensitive impedimetric lectin biosensors with efficient antifouling properties applied in glycoprofiling of human serum samples. In *Analytical Chemistry*, 2013, vol. 85, p.7324 - 7332. (5.695 - IF2012). (2013 - Current Contents). ISSN 0003-2700.

- ADCA18 BOČA, Miroslav - RAKHMATULLIN, Aydar - MLYNÁRIKOVÁ, Jarmila - HADZIMOVÁ, Eva - VASKOVÁ, Zuzana - MIČUŠÍK, Matej. Differences in XPS and solid state NMR spectral data and thermo-chemical properties of iso-structural compounds in the series KTaF₆, K₂TaF₇ and K₃TaF₈ and KNbF₆, K₂NbF₇ and K₃NbF₈. In *Dalton Transactions*, 2015, vol. 44, p. 17106-17117. (4.197 - IF2014). (2015 - Current Contents). ISSN 1477-9226.
- ADCA19 BOČA, Miroslav - BARBORÍK, Peter - MIČUŠÍK, Matej - OMASTOVÁ, Mária. X-ray photoelectron spectroscopy as detection tool for coordinated or uncoordinated fluorine atoms demonstrated on fluoride systems NaF, K₂TaF₇, K₃TaF₈, K₂ZrF₆, Na₇Zr₆F₃₁ and K₃ZrF₇. In *Solid State Sciences*, 2012, vol. 14, p. 828 - 832. (1.856 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1293-2558.
- ADCA20 BONNEFOND, Audrey - MIČUŠÍK, Matej - PAULIS, Maria - LEIZA, Jose R. - TEIXEIRA, Roberto F.A. - BON, Stefan A.F. Morphology and properties of waterborne adhesives made from hybrid polyacrylic/montmorillonite clay colloidal dispersions showing improved tack and shear resistance. In *Colloid and Polymer Science*, 2013, vol. 291, p. 167 - 180. (2.161 - IF2012). (2013 - Current Contents). ISSN 0303-402X.
- ADCA21 BÓNOVÁ, Lucia - ZAHORANOVÁ, Anna - KOVÁČIK, Dušan - ZAHORAN, Miroslav - MIČUŠÍK, Matej - ČERNÁK, Mirko. Atmospheric pressure plasma treatment of flat aluminium surface. In *Applied Surface Science*, 2015, vol. 331, p. 79-86. (2.711 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0169-4332.
- ADCA22 BORSKÁ, Katarína - DANKO, Martin - MOSNÁČEK, Jaroslav. Fotodegradácia a fotochemické sieťovanie polylaktidu [Photodegradation and photochemical crosslinking of polylactide]. In *Chemické listy*, 2014, roč. 108, s. 1030-1039. (0.196 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0009-2770.
- ADCA23 BRZEZINSKI, M. - BOGUSLAWSKA, M. - ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - BIELA, T. Unusual thermal properties of polylactides and polylactide stereocomplexes containing polylactide-functionalized multi-walled carbon nanotubes. In *Macromolecules*, 2012, vol. 45, p. 8714 - 8721. (5.167 - IF2011). (2012 - Current Contents). ISSN 0024-9297.
- ADCA24 BUJDÁK, Juraj - DANKO, Martin - CHORVÁT, Dušan Jr. - CZÍMEROVÁ, Adriana - SÝKORA, J. - LANG, K. Selective modification of layered silicate nanoparticle edges with fluorophores. In *Applied Clay Science*, 2012, vol. 65-66, p. 152 - 157. (2.474 - IF2011). (2012 - Current Contents). ISSN 0169-1317.
- ADCA25 CABEZA, Luisa F. - BARRENECHE, Camila - MARTORELL, Ingrid - MIRÓ, Laia - SARI-BEY, Sana - FOIS, Magali - PAKSOY, Halime O. - SAHAN, Nurten - WEBER, Robert - CONSTANTINESCU, Mariaella - ANGHEL, Elena Maria - MALÍKOVÁ, Marta - KRUPA, Igor - DELGADO, Mónica - DOLADO, Pablo - FURMANSKI, Piotr - JAWORSKI, Maciej - HAUSSMANN, Thomas -

- GSCHWANDER, Stefan - FERNÁNDEZ, A.Inés. Unconventional experimental technologies available for phase change materials (PCM). Part 1. Thermophysical properties. In *Renewable and Sustainable Energy Reviews*, 2015, vol. 43, p. 1399-1414. (5.901 - IF2014). (2015 - Current Contents). ISSN 1364-0321.
- ADCA26 CAPEK, Ignác. On photoinduced miniemulsion polymerization of butyl acrylate with clay. In *Designed Monomers and Polymers*, 2012, vol. 15, no. 4, p. 345-355. (1.444 - IF2011). (2012 - Current Contents). ISSN 1385-772X.
- ADCA27 CAPEK, Ignác. On photoinduced polymerization of acrylamide. In *Designed Monomers and Polymers*, 2014, vol. 17, no. 4, p. 356-363. (2.210 - IF2013). (2014 - Current Contents). ISSN 1385-772X.
- ADCA28 CAPEK, Ignác. Viral nanoparticles, noble metal decorated viruses and their nanoconjugates. In *Advances in colloid and interface science*, 2015, vol. 222, p. 119-134. (7.776 - IF2014). (2015 - Current Contents). ISSN 0001-8686.
- ADCA29 CIFRA, Peter - BLEHA, Tomáš. Detection of chain backfolding in simulation of DNA in nanofluidic channels. In *SOFT MATTER*, 2012, vol. 8, p. 9022 - 9028. (4.390 - IF2011). (2012 - Current Contents). ISSN 1744-683X.
- ADCA30 CIFRA, Peter - BLEHA, Tomáš. Free energy of polymers confined in open and closed cavities. In *Macromolecular Theory and Simulations*, 2012, vol. 21, p. 15 - 23. (1.709 - IF2011). (2012 - Current Contents). ISSN 1022-1344.
- ADCA31 CIFRA, Peter. Weak -to-strong confinement transition of semi-flexible macromolecules in slit and in channel. In *Journal of Chemical Physics*, 2012, vol. 136, art.no.024902. (3.333 - IF2011). (2012 - Current Contents). ISSN 0021-9606.
- ADCA32 CIGÁŇ, Marek - DANKO, Martin - DONOVALOVÁ, Jana - GAŠPAR, Jan - STANKOVIČOVÁ, Henrieta - GÁPLOVSKÝ, Anton - HRDLOVIČ, Pavol. 3-(7-dimethylamino)coumarin N-phenylsemicarbazones in solution and polymer matrices: Tuning their fluorescence via para-phenyl substitution. In *Spectrochimica Acta Part A - Molecular and Biomolecular Spectroscopy*, 2014, vol. 126, p. 36 - 45. (2.129 - IF2013). (2014 - Current Contents). ISSN 1386-1425.
- ADCA33 CLEMENTI, Luis A. - MEIRA, Gregorio R. - BEREK, Dušan - RONCO, Ludmila I. - VEGA, Jorge R. Molar mass distributions in homopolymer blends from multimodal chromatograms obtained by Sec/Gpc with a concentration detector. In *Polymer Testing*, 2015, vol. 43, p. 58-67. (2.240 - IF2014). (2015 - Current Contents). ISSN 0142-9418.
- ADCA34 COROBEA, Mihai Cosmin - CAPEK, Ignác - IANCHIS, Raluca - DONESCU, Dan - SOMOGHI, Raluca - GHIUREA, Marius - NISTOR, Cristina Lavinia - PURCAR, Violeta - CİNTEZA, Ludmila Otilia - RADOVICI, Constantin - PRODAN, Gabriel. Silica nanowires obtained on clay mineral layers and their influence on mini-emulsion polymerisation. In *Applied Clay Science*, 2014, vol. 95, p. 232-242. (2.703 - IF2013). (2014 - Current Contents). ISSN 0169-1317.

- ADCA35 CVEK, Martin - MRLÍK, Miroslav - ILČÍKOVÁ, Markéta - PLACHY, Tomas - SEDLACIK, Michal - MOSNÁČEK, Jaroslav - PAVLINEK, Vladimir. A facile controllable coating of carbonyl iron particles with poly(glycidyl methacrylate): a tool for adjusting MR response and stability properties. In *Journal of Materials Chemistry C*, 2015, vol. 3, p. 4646-4656. (4.696 - IF2014). (2015 - Current Contents, SCI). ISSN 2050-7526.
- ADCA36 CVEK, Martin - MRLÍK, Miroslav - ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - BABAYAN, Vladimír - KUCEKOVÁ, Zdenka - HUMPOLÍČEK, Petr - PAVLINEK, Vladimír. The chemical stability and cytotoxicity of carbonyl iron particles grafted with poly(glycidyl methacrylate) and the magnetorheological activity of their suspensions. In *RSC Advances*, 2015, vol. 5, p. 72816-72824. (3.840 - IF2014). (2015 - Current Contents). ISSN 2046-2069.
- ADCA37 CZANIKOVÁ, Klaudia - ILČÍKOVÁ, Markéta - KRUPA, Igor - MIČUŠÍK, Matej - KASÁK, Peter - PAVLOVA, Ewa - MOSNÁČEK, Jaroslav - CHORVÁT, Dušan Jr. - OMASTOVÁ, Mária. Elastomeric photo-actuators and their investigation by confocal laser scanning microscopy. In *Smart Materials & Structures*, 2013, vol. 22, no. 10, art.no. 104001 [10 p.]. (2.024 - IF2012). (2013 - Current Contents). ISSN 0964-1726.
- ADCA38 CZANIKOVÁ, Klaudia - TORRAS, Núria - ESTEVE, Jaume - KRUPA, Igor - KASÁK, Peter - PAVLOVA, Ewa - RAČKO, Dušan - CHODÁK, Ivan - OMASTOVÁ, Mária. Nanocomposite photoactuators based on an ethylene vinyl acetate copolymer filled with carbon nanotubes. In *Sensors and Actuators B-Chemical*, 2013, vol. 186, p. 701 - 710. (3.535 - IF2012). (2013 - Current Contents). ISSN 0925-4005.
- ADCA39 CZANIKOVÁ, Klaudia - KRUPA, Igor - ILČÍKOVÁ, Markéta - KASÁK, Peter - CHORVÁT, Dušan Jr. - VALENTIN, Marian - ŠLOUF, Miroslav - MOSNÁČEK, Jaroslav - MIČUŠÍK, Matej - OMASTOVÁ, Mária. Photo-actuating materials based on elastomers and modified carbon nanotubes. In *Journal of Nanophotonics*, 2012, vol.6, 063522, p. [14]. (1.570 - IF2011). (2012 - Current Contents). ISSN 1934-2608.
- ADCA40 ČAVARGA, Ivan - BILČÍK, Boris - VÝBOH, Pavel - ZÁŠKVAROVÁ, Monika - CHORVÁT, Dušan - KASÁK, Peter - MLKVÝ, Peter - MATEAŠIK, Anton - CHORVÁTOVÁ, Alžbeta - MIŠKOVSKÝ, Pavol. Photodynamic effect of hypericin after topical application in the ex ovo quail chorioallantoic membrane model. In *Planta Medica : an international journal of natural products and medicinal plant research*, 2014, vol. 80, p. 56-62. (2.339 - IF2013). (2014 - Current Contents). ISSN 0032-0943.
- ADCA41 DANKO, Martin - BUREŠ, Filip - KULHÁNEK, Jiří - HRDLOVIČ, Pavol. Spectral properties of Y-shaped donor-acceptor push-pull imidazole-based fluorophores: comparison between solution and polymer matrices. In *Journal of Fluorescence*, 2012, vol. 22, p. 1165 - 1176. (2.107 - IF2011). (2012 - Current Contents). ISSN 1053-0509.

- ADCA42 DANKO, Martin - ANDICS, Anita - KÓSA, Csaba - HRDLOVIČ, Pavol - VEGH, Daniel. Spectral properties of chalcone containing triphenylamino structural unit in solution and in polymer matrices. In *Dyes and Pigments*, 2012, vol. 92, p. 1257 - 1265. (3.126 - IF2011). (2012 - Current Contents). ISSN 0143-7208.
- ADCA43 DANKO, Martin - ANDICSOVÁ, Anita - HRDLOVIČ, Pavol - RAČKO, Dušan - VÉGH, Daniel. Spectral characteristics of carbonyl substituted 2,2'-bithiophenes in polymer matrices and low polar solvents. In *Photochemical and Photobiological Sciences*, 2013, vol. 12, p. 1210 - 1219. (2.923 - IF2012). (2013 - Current Contents). ISSN 1474-905X.
- ADCA44 DANKO, Martin - KASÁK, Peter - HRDLOVIČ, Pavol. The interactions of probes based on substituted pyrene derivatives in polymer matrices, spectral study. In *Journal of Photochemistry and Photobiology A : polymer chemistry*, 2015, vol. 307, p. 79-87. (2.495 - IF2014). (2015 - Current Contents). ISSN 1010-6030.
- ADCA45 DONOVALOVÁ, Jana - CIGÁŇ, Marek - STANKOVIČOVÁ, Henrieta - GAŠPAR, Jan - DANKO, Martin - GÁPLOVSKÝ, Anton - HRDLOVIČ, Pavol. Spectral properties of substituted coumarins in solution and polymer matrices. In *Molecules*, 2012, vol. 17, p. 3259 - 3276. (2.386 - IF2011). (2012 - Current Contents). ISSN 1420-3049.
- ADCA46 DRAWE, P. - BUBACK, M. - LACÍK, Igor. Radical polymerization of alkali acrylates in aqueous solution. In *Macromolecular Chemistry and Physics*, 2015, vol. 216, p. 1333-1340. (2.616 - IF2014). (2015 - Current Contents). ISSN 1022-1352.
- ADCA47 ANDICSOVÁ-ECKSTEIN, Anita - KOZMA, Erika - PUTEROVÁ-TOKÁROVÁ, Zita - VÉGH, Daniel. Direct trifluoroacetylation of mono- and disubstituted thiophene derivatives. In *Journal of Fluorine Chemistry*, 2015, vol. 180, p. 272-275. (1.948 - IF2014). (2015 - Current Contents). ISSN 0022-1139.
- ADCA48 EREN, Enzi - CELIK, Gamze - UYGUN, Aysegul - TABAČIAROVÁ, Jana - OMASTOVÁ, Mária. Synthesis of poly(3,4-ethylenedioxythiophene)/titanium dioxide nanocomposites in the presence of surfactants and their properties. In *Synthetic Metals*, 2012, vol. 162, p. 1451 - 1458. (1.829 - IF2011). (2012 - Current Contents). ISSN 0379-6779.
- ADCA49 FERNÁNDEZ, A. Inés - SOLÉ, Aran - GIRÓ-PALOMA, Jessica - MARTÍNEZ, Monica - HADJIEVA, Mila - BOUDENNE, Abdel - CONSTANTINESCU, Mariaella - ANGHEL, Elena Maria - MALÍKOVÁ, Marta - KRUPA, Igor - PENALOSA, Conchita - LÁZARO, Ana - PAKSOY, Halime O. - CELLAT, Kemal - VECSTAUDŽA, Jana - BAJARE, Diana - SUMIGA, Bostjan - BOH, Bojana - HAUSSMANN, Thomas - GSCHWANDER, Stefan - WEBER, Robert - FURMANSKI, Piotr - JAWORSKI, Maciej - CABEZA, Luisa F. Unconventional experimental technologies used for phase change materials (PCM) characterization: part 2 - morphological and structural characterization, physico-chemical stability and mechanical properties. In *Renewable and Sustainable Energy Reviews*, 2015, vol. 43, p. 1415-1426. (5.901 - IF2014). (2015 - Current Contents). ISSN 1364-0321.

- ADCA50 FRIČOVÁ, O. - UHRÍNOVÁ, M. - HRONSKÝ, V. - KOVALÁKOVÁ, M. - OLČÁK, D. - CHODÁK, Ivan - SPĚVÁČEK, J. High-resolution solid-state NMR study of isotactic polypropylenes. In *Express Polymer Letters*, 2012, vol. 6, no. 3, p. 204 - 212. (1.769 - IF2011). (2012 - Current Contents). ISSN 1788-618X.
- ADCA51 FULAJTÁROVÁ, K. - SOTÁK, T. - HRONEC, M. - VÁVRA, Ivo - DOBROČKA, Edmund - OMASTOVÁ, Mária. Aqueous phase hydrogenation of furfural to furfural alcohol over Pd-Cu catalysts. In *Applied Catalysis A: General*, 2015, vol. 502, p. 78-85. (3.942 - IF2014). (2015 - Current Contents). ISSN 0926-860X.
- ADCA52 GALAMBOŠ, M. - DAŇO, M. - VÍGLAŠOVÁ, E. - KRIVOSUDSKÝ, L. - ROSSKOPFOVÁ, O. - NOVÁK, Ivan - BEREK, Dušan - RAJEC, P. Effect of competing anions on pertechnetate adsorption by activated carbon. In *Journal of Radioanalytical and Nuclear Chemistry-Articles*, 2015, vol. 304, p. 1219-1224. (1.034 - IF2014). (2015 - Current Contents). ISSN 0236-5731.
- ADCA53 GALÁŘ, Pavel - DZURNÁK, Branislav - MALÝ, Petr - ČERMÁK, Jan - KROMKA, Alexander - OMASTOVÁ, Mária - REZEK, Bohuslav. Chemical changes and photoluminescence properties of UV modified polypyrrole. In *International Journal of Electrochemical Science*, 2013, vol. 8, p. 57 - 70. (2013 - Current Contents). ISSN 1452-3981.
- ADCA54 GALEOTTI, Francesco - ECKSTEIN ANDICSOVÁ, Anita - BERTINI, Fabio - LAUX, Edith - HARTMANN, Lutz - KHALE, Olaf - DAMSIR, Hicham - PORZIO, William - STOPPINI, Luc - KEPPNER, Herbert - BOTTA, Chiara. Enhanced elasticity in parylene thin films by copolymerization approach. In *Journal of Materials Science*, 2014, vol. 49, p. 7547-7555. (2.305 - IF2013). (2014 - Current Contents). ISSN 0022-2461.
- ADCA55 GEMEINER, Pavol - KULIČEK, Jaroslav - MIKULA, Milan - HATALA, Michal - ŠVORC, Ľubomír - HLAVATÁ, Lenka - MIČUŠÍK, Matej - OMASTOVÁ, Mária. Polypyrrole-coated multi-walled carbon nanotubes for the simple preparation of counter electrodes in dye-sensitized solar cells. In *Synthetic Metals*, 2015, vol. 210, p. 323-331. (2.252 - IF2014). (2015 - Current Contents). ISSN 0379-6779.
- ADCA56 GEORGIOUSIS, G. - PANDIS, C. - KALAMITIS, A. - GEORGIPOULOS, P. - KYRITSIS, A. - KONTOU, E. - PISSIS, P. - MIČUŠÍK, Matej - CZANIKOVÁ, Klaudia - KULIČEK, Jaroslav - OMASTOVÁ, Mária. Strain sensing in polymer/carbon nanotube composites by electrical resistance measurement. In *Composites Part B: Engineering*, 2015, vol. 68, p. 162-169. (2.983 - IF2014). (2015 - Current Contents). ISSN 1359-8368.
- ADCA57 GEORGOUSIS, G. - PANDIS, C. - CHATZIMANOLIS-MOUSTAKAS, C. - KYRITSIS, A. - KONTOU, E. - PISSIS, P. - KRAJČI, Juraj - CHODÁK, Ivan - TABAČIAROVÁ, Jana - MIČUŠÍK, Matej - OMASTOVÁ, Mária. Study of the reinforcing mechanism and strain sensing in a carbon black filled elastomer. In

Composites Part B: Engineering, 2015, vol. 80, p. 20-26. (2.983 - IF2014). (2015 - Current Contents). ISSN 1359-8368.

- ADCA58 GRANČIČ, B. - MIKULA, Marian - ROCH, T. - ZEMAN, Petr - SATRAPINSKY, L. - GREGOR, M. - PLECENIK, T. - DOBROČKA, Edmund - HÁJOVSKÁ, Zuzana - MIČUŠÍK, Matej - ŠATKA, A. - ZAHORAN, M. - PLECENIK, Andrej - KÚŠ, P. Effect of Si addition on mechanical properties and high temperature oxidation resistance of Ti-B-Si hard coatings. In *Surface and coatings technology*, 2014, vol.240, p.48-54. (2.199 - IF2013). (2014 - Current Contents). ISSN 0257-8972.
- ADCA59 HOEHNEL, Alexander P. - STACH, Marek - CHOVANCOVÁ, Anna - RUEB, Jannick M. - DELAITTRE, Guillaume - MISSKE, Andrea M. - LACÍK, Igor - BARNER-KOWOLLIK, Christopher. (Meth)acrylic monomers with heteroatom-containing ester sidechains: a systematic PLP-SEC and polymerization study. In *Polymer Chemistry*, 2014, vol. 5, p. 862-873. (5.368 - IF2013). (2014 - Current Contents). ISSN 1759-9954.
- ADCA60 HOESLI, Corinne A. - Kiang, Roger L J. - TRELOVÁ, Dušana - SPECK, Madeleine - JOCHEC MOŠKOVÁ, Daniela - DONALD - HAGUE, Christine - LACÍK, Igor - KIEFFER, Timothy J. - PIRET, James M. Reversal of diabetes by betaTC3 cells encapsulated in alginate beads generated by emulsion and internal gelation. In *Journal of Biomedical Materials Research Part B: Applied Biomaterials*, 2012, vol. 100B, p. 1017 - 1028. (2.147 - IF2011). (2012 - Current Contents). ISSN 1552-4973.
- ADCA61 HORVÁTH, Blažej - ŠUSTEK, Martin - ŠKRINIAROVÁ, Jaroslava - OMASTOVÁ, Mária - DOBROČKA, Edmund - HRONEC, Milan. Gas phase hydroxylation of benzene with air-ammonia mixture over copper-based phosphate catalysts. In *Applied Catalysis A: General*, 2014, vol. 481, p. 71-78. (3.674 - IF2013). (2014 - Current Contents). ISSN 0926-860X.
- ADCA62 HORVÁTH, B. - ŠUSTEK, M. - VÁVRA, Ivo - MIČUŠÍK, Matej - GÁL, M. - HRONEC, M. Gas-phase epoxidation of propylene over iron-containing catalysts: the effect of iron incorporation in the support matrix. In *Catalysis Science and Technology*, 2014, vol. 4, p. 2664-2673. (4.760 - IF2013). (2014 - Current Contents). ISSN 2044-4753.
- ADCA63 HRABÁROVÁ, Eva - RYCHLÝ, Jozef - SASINKOVÁ, Vlasta - VALACHOVÁ, Katarína - JANIGOVÁ, Ivica - CSOMOROVÁ, Katarína - JURÁNEK, Ivo - ŠOLTÉS, Ladislav. Structural characterisation of thiol-modified hyaluronans. In *Cellulose*, 2012, vol. 19, no. 6, p. 2093-2104. (3.600 - IF2011). (2012 - Current Contents). ISSN 0969-0239. VEGA 2/0083/09, VEGA 1/0529/09, VEGA 2/0056/10, VEGA 1/0145/10, VEGA 2/0011/11, VEGA 2/0147/12, ITMS 26220120054, ITMS 26240220040.
- ADCA64 HRACHOVÁ, Jana - KOMADEL, Peter - JOCHEC MOŠKOVÁ, Daniela - KRAJČI, Juraj - JANIGOVÁ, Ivica - ŠLOUF, Miroslav - CHODÁK, Ivan. Properties of organo-clay/natural rubber nanocomposites: Effects of organophilic

modifiers. In *Journal of Applied Polymer Science*, 2013, vol. 127, p. 3447 - 3455. (1.395 - IF2012). (2013 - Current Contents). ISSN 0021-8995.

- ADCA65 HRACHOVÁ, Jana - KOMADEL, Peter - JANIGOVÁ, Ivica - ŠLOUF, Miroslav - CHODÁK, Ivan. Properties of rubber filled with montmorillonite with various surface modifications. In *Polymers for Advanced Technologies*, 2012, vol. 23, p. 1414 - 1421. (2.007 - IF2011). (2012 - Current Contents). ISSN 1042-7147.
- ADCA66 HROBÁRIK, Peter - HROBÁRIKOVÁ, Veronika - SEMAK, Vladislav - KASÁK, Peter - RAKOVSKÝ, Erik - POLYZOS, Ioannis - FAKIS, Mihalís - PERSEPHONIS, Peter. Quadrupolar benzobisthiazole-cored arylamines as highly efficient two-proton absorbing fluorophores. In *Organic Letters*, 2014, vol. 16, p. 6358-6361. (6.324 - IF2013). (2014 - Current Contents). ISSN 1523-7060.
- ADCA67 HRONEC, Milan - FULAJTÁROVÁ, Katarína - MIČUŠÍK, Matej. Influence of furanic polymers on selectivity of furfural rearrangement to cyclopentanone. In *Applied Catalysis A: General*, 2013, vol. 468, p. 426 - 431. (3.410 - IF2012). (2013 - Current Contents). ISSN 0926-860X.
- ADCA68 HUDEC, Boris - HUŠEKOVÁ, Kristína - ROŠOVÁ, Alica - ŠOLTÝS, Ján - RAMMULA, R. - KASIKOV, A. - UUSTARE, T. - MIČUŠÍK, Matej - OMASTOVÁ, Mária - AARIK, J. - FRÖHLICH, Karol. Impact of plasma treatment on electrical properties of TiO₂/RuO₂ based DRAM capacitor. In *Journal of Physics D: Applied Physics*, 2013, vol. 46, 385304. (2.528 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0022-3727.
- ADCA69 HUNTOSOVA, Veronika - BUZOVA, Diana - PETROVAJOVA, Dana - KASÁK, Peter - NADOVA, Zuzana - JANCURA, Daniel - SUREAU, Franck - MISKOVSKY, Pavol. Development of a new LDL-based transport system for hydrophobic/amphiphilic drug delivery to cancer cells. In *International Journal of Pharmaceutics*, 2012, vol. 436, p. 463 - 471. (3.350 - IF2011). (2012 - Current Contents). ISSN 0378-5173.
- ADCA70 HURAN, Jozef - BOHÁČEK, Pavol - SHVETSOV, V.N. - KOBZEV, A.P. - KLEINOVÁ, Angela - BORZAKOV, S.B. - HRUBČÍN, Ladislav - SEKÁČOVÁ, Mária - BALALYKIN, N.I. Neutron-irradiation effect on the electrical characteristics of amorphous silicon carbide and nitrogen-doped silicon carbide films prepared by PECVD technology. In *Physica status solidi A. Applications and materials science*, 2013, vol. 210, p. 2756-2761. (1.469 - IF2012). (2013 - Current Contents). ISSN 1862-6300.
- ADCA71 HURAN, Jozef - VALOVIČ, Albín - BOHÁČEK, Pavol - SHVETSOV, V.N. - KOBZEV, A.P. - BORZAKOV, S.B. - KLEINOVÁ, Angela - SEKÁČOVÁ, Mária - ARBET, Juraj - SASINKOVÁ, Vlasta. The effect of neutron irradiation on the properties of SiC and SiC(N) layer prepared by plasma enhanced chemical vapor deposition. In *Applied Surface Science*, 2013, vol. 269, p. 88-91. (2.112 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0169-4332.
- ADCA72 HURAN, Jozef - BALALYKIN, N.I. - FESHCHENKO, A.A. - KOBZEV, A.P. - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - HRUBČÍN, Ladislav.

Transmission photocathodes based on stainless steel mesh coated with deuterated diamond like carbon films. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2014, vol. 753, p. 14-18. (1.316 - IF2013). (2014 - Current Contents). ISSN 0168-9002.

ADCA73 HUSÁR, Branislav - MOSZNER, Norbert - LUKÁČ, Ivan. Synthesis and photooxidation of styrene copolymer bearing comphorquinone pendant groups. In *Beilstein Journal of Organic Chemistry*, 2012, vol. 8, p. 337 - 343. (2.517 - IF2011). (2012 - Current Contents). ISSN 1860-5397.

ADCA74 HUSÁR, Branislav - LISKA, Robert. Vinyl carbonates, vinyl carbomates, and related monomers: synthesis, polymerization, and application. In *Chemical Society Reviews*, 2012, vol. 41, p. 2395 - 2405. (28.760 - IF2011). (2012 - Current Contents). ISSN 0306-0012.

ADCA75 CHIRTOC, Mihai - HORNY, Nicolas - TAVMAN, Ismail - TURGUT, Alpaslan - KOKEY, Iskender - OMASTOVÁ, Mária. Preparation and photothermal characterization of nanocomposites based on high density polyethylene filled with expanded and unexpanded graphite: Particle size and shape effect. In *International Journal of Thermal Sciences*, 2012, vol. 62, p. 50 - 55. (2.142 - IF2011). (2012 - Current Contents). ISSN 1290-0729.

ADCA76 CHIRTOC, M. - HORNY, N. - HENRY, J. F. - TURGUT, A. - KOKEY, I. - TAVMAN, I. - OMASTOVÁ, Mária. Photothermal characterization of nanocomposites based on high density polyethylene (HDPE) filled with expanded graphite. In *International Journal of Thermophysics*, 2012, vol. 33, p. 2110 - 2117. (0.953 - IF2011). (2012 - Current Contents). ISSN 0195-928X.

ADCA77 CHMELA, Štefan - PAVLINEC, Jiří - FIEDLEROVÁ, Agnesa - CATEL, Yohann - MOSZNER, Norbert. Determination of homopolymerization kinetics of 10-(N-methylacrylamido)-decylphosphonic acid, its diethyl ester, and 10-(methacryloyloxy)-decylphosphonic acid, and their copolymerization with methyl methacrylate. In *Macromolecular Chemistry and Physics*, 2015, vol. 216, p. 2386-2397. (2.616 - IF2014). (2015 - Current Contents). ISSN 1022-1352.

ADCA78 CHMELA, Štefan - KOLLÁR, Jozef - HRČKOVÁ, Ľudmila. Fluorescent dye-labeled TIPNO type regulator for nitroxide mediated reversible-deactivation radical polymerization. In *Journal of Photochemistry and Photobiology A : polymer chemistry*, 2015, vol. 307, p. 123-130. (2.495 - IF2014). (2015 - Current Contents). ISSN 1010-6030.

ADCA79 CHUBAR, Natalia - GERDA, Vasyl - MEGANTARI, Otty - MIČUŠÍK, Matej - OMASTOVÁ, Mária - HEISTER, Katja - MAN, Pascal - FRAISSARD, Jacques. Applications versus properties of Mg-Al layered double hydroxides provided by their syntheses methods: Alkoxide and alkoxide-free sol-gel syntheses and hydrothermal precipitation. In *Chemical Engineering Journal*, 2013, vol. 234, p. 284 - 299. (3.473 - IF2012). (2013 - Current Contents). ISSN 1385-8947.

ADCA80 ILČÍKOVÁ, Markéta - MRLÍK, Miroslav - ŠPITALSKÝ, Zdenko - MIČUŠÍK, Matej - CSOMOROVÁ, Katarína - SASINKOVÁ, Vlasta -

KLEINOVÁ, Angela - MOSNÁČEK, Jaroslav. A tertiary amine in two competitive processes: Reduction of graphene oxide vs. catalysis of atom transfer radical polymerization. In *RSC Advances*, 2015, vol. 5, p. 3370-3376. (3.840 - IF2014). (2015 - Current Contents). ISSN 2046-2069.

- ADCA81 ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - MRLÍK, Miroslav - SEDLÁČEK, Tomáš - CSOMOROVÁ, Katarína - CZANIKOVÁ, Klaudia - KRUPA, Igor. Influence of surface modification of carbon nanotubes on interactions with polystyrene-b-polyisoprene-b-polystyrene matrix and its photo-actuation properties. In *Polymers for Advanced Technologies*, 2014, vol. 25, p. 1293-1300. (1.964 - IF2013). (2014 - Current Contents). ISSN 1042-7147.
- ADCA82 ILČÍKOVÁ, Markéta - MRLÍK, Miroslav - SEDLÁČEK, Tomáš - ŠLOUF, Miroslav - ZHIGUNOV, Alexander - KOYNOV, Koloian - MOSNÁČEK, Jaroslav. Synthesis and photoactuating acrylic thermoplastic elastomers containing diblock copolymer-grafted carbon nanotubes. In *ACS Macro Letters*, 2014, vol. 3, p. 999-1003. (5.245 - IF2013). (2014 - Current Contents). ISSN 2161-1653.
- ADCA83 ILČÍKOVÁ, Markéta - MRLÍK, Miroslav - SEDLÁČEK, Tomáš - DOROSHENKO, Mikheil - KOYNOV, Kaloian - DANKO, Martin - MOSNÁČEK, Jaroslav. Tailoring of viscoelastic properties and light-induced actuation performance of triblock copolymer composites through surface modification of carbon nanotubes. In *Polymer : the International Journal for the Science and Technology of Polymers*, 2015, vol. 72, p. 368-377. (3.562 - IF2014). (2015 - Current Contents). ISSN 0032-3861.
- ADCA84 ILČÍKOVÁ, Markéta - MRLÍK, Miroslav - SEDLÁČEK, Tomáš - CHORVÁT, Dušan - KRUPA, Igor - ŠLOUF, Miroslav - KOYNOV, Kaloian - MOSNÁČEK, Jaroslav. Viscoelastic and photo-actuation studies of composites based on polystyrene-grafted carbon nanotubes and styrene-b-isoprene-b-styrene block copolymer. In *Polymer : the International Journal for the Science and Technology of Polymers*, 2014, vol. 55, p. 211-218. (3.766 - IF2013). (2014 - Current Contents). ISSN 0032-3861.
- ADCA85 ILLEKOVÁ, Emília - MACOVÁ, Eva - MAJERNÍK, Vladimír - MAŤKO, Igor - ŠAUŠA, Ondrej. Anomalous thermal expansion of thin cetane layer solidified at the inner surface of confining nanoporous silica gel. In *Journal of Thermal Analysis and Calorimetry*, 2014, vol. 116, p. 753-758. (2.206 - IF2013). (2014 - Current Contents). ISSN 1388-6150.
- ADCA86 ILLEKOVÁ, Emília - KRIŠTIÁK, Jozef - MACOVÁ, Eva - MAŤKO, Igor - ŠAUŠA, Ondrej. Rearrangement of hexadecane molecules confined in the nanopores of a controlled pore glass using positron annihilation and differential scanning calorimetry. In *Journal of Thermal Analysis and Calorimetry*, 2013, vol. 113, p. 1187 - 1196. (1.982 - IF2012). (2013 - Current Contents). ISSN 1388-6150.
- ADCA87 ILLEKOVÁ, Emília - MIKLOŠOVIČOVÁ, M. - ŠAUŠA, Ondrej - BEREK, Dušan. Solidification and melting of cetane confined in the nanopores of silica gel. In *Journal of Thermal Analysis and Calorimetry*, 2012, vol. 108, p. 497 - 503. (1.604 - IF2011). ISSN 1388-6150.

- ADCA88 JANKOVIČ, Ľuboš - KRONEK, Juraj - MADEJOVÁ, Jana - HRONSKÝ, Viktor. (9,10-Dihydroxyoctadecyl)ammonium: A structurally unique class of clay intercalable surfactants. In *European Journal of Inorganic Chemistry*, 2015, p. 2841-2850. (2.942 - IF2014). (2015 - Current Contents). ISSN 1434-1948.
- ADCA89 JLASI, Khoulood - CHANDRAN, Sarath - MIČUŠÍK, Matej - BENNA-ZAYANI, Mémia - YAGCI, Yusuf - THOMAS, Sabu - CHEHIMI, Mohamed M. Poly(glycidyl methacrylate)-grafted clay nanofiller for highly transparent and mechanically robust epoxy composites. In *European Polymer Journal*, 2015, vol. 72, p. 89-101. (3.005 - IF2014). (2015 - Current Contents). ISSN 0014-3057.
- ADCA90 JURCEK, Tomas - RÁZGA, Filip - MAZANCOVA, Petra - MUSILOVA, Milena - DVORAKOVA, Dana - BORSKY, Marek - ZACKOVA, Daniela - DOBESOVA, Blanka - SEMERAD, Lukas - MAYER, Jiri - RACIL, Zdenek. Prospective analysis of low-level BCR-ABL1 T315I mutation in CD34 + cells of patients with de novo chronic myeloid leukemia. In *Leukemia & lymphoma*, 2014, p. 1-3, doi:10.3109/10428194.2013.842988. (2.605 - IF2013). (2014 - Current Contents). ISSN 1042-8194.
- ADCA91 KARBASSI, Erika - ASADINEZHAD, Ahmad - LEHOCKÝ, Marian - HUMPOLÍČEK, Petr - VESEL, Alenka - NOVÁK, Igor - SÁHA, Petr. Antibacterial performance of alginic acid coating on polyethylene film. In *International Journal of Molecular Sciences*, 2014, vol. 15, p. 14684-14696. (2.339 - IF2013). (2014 - Current Contents). ISSN 1422-0067.
- ADCA92 KARKRI, M. - LACHHEB, M. - NÓGELLOVÁ, Zuzana - BOH, B. - SUMIGA, B. - ALMAADEED, M.A. - FETHI, A. - KRUPA, Igor. Thermal properties of phase-change materials based on high-density polyethylene filled with micro-encapsulated paraffin wax for thermal energy storage. In *Energy and Buildings*, 2015, vol. 88, p. 144-152. (2.884 - IF2014). (2015 - Current Contents). ISSN 0378-7788.
- ADCA93 KASZA, Gyorgy - MOSNÁČKOVÁ, Katarína - NÁDOR, Attila - OSVÁTH, Zsófia - STUMPHAUSER, Tímea - SZARKA, Gyorgyi - CZANIKOVÁ, Klaudia - RYCHLÝ, Jozef - CHMELA, Štefan - IVÁN, Béla - MOSNÁČEK, Jaroslav. Synthesis of hyperbranched poly(ethyleneimine) based macromolecular antioxidants and investigation of their efficiency in stabilization of polyolefins. In *European Polymer Journal*, 2015, vol. 68, p. 609-617. (3.005 - IF2014). (2015 - Current Contents). ISSN 0014-3057.
- ADCA94 KLUKOVÁ, Ľudmila - BERTÓK, Tomáš, 1986- - PETRÍKOVÁ, Miroslava - ŠEDIVÁ, Alena - MISLOVIČOVÁ, Danica - KATRLÍK, Jaroslav - VIKARTOVSKÁ, Alica, Welwardová - FILIP, Jaroslav - KASÁK, Peter - ANDICSOVÁ-ECKSTEIN, Anita - MOSNÁČEK, Jaroslav - LUKÁČ, Jozef - ROVENSKÝ, Jozef - IMRICH, Richard - TKÁČ, Ján. Glycoprofiling as a novel tool in serological assays of systemic sclerosis: A comparative study with three bioanalytical methods. In *Analytica Chimica Acta*, 2015, vol. 853, p. 555-562. (4.513 - IF2014). (2015 - Current Contents). ISSN 0003-2670.

- ADCA95 KEUKOVÁ, Ľudmila - BERTÓK, Tomáš, 1986- - KASÁK, Peter - TKÁČ, Ján. Nanoscale-controlled architecture for the development of ultrasensitive lectin biosensors applicable in glycomics. In *Analytical Methods*, 2014, vol. 6, p. 4922-4931. (1.938 - IF2013). (2014 - Current Contents). ISSN 1759-9660.
- ADCA96 KOLLÁR, Jozef - CHMELA, Štefan - HRDLOVIČ, Pavol. Spectral properties of bichromophoric probes based on pyrene and benzothioxanthene in solution and in polymer matrices. In *Journal of Photochemistry and Photobiology A : polymer chemistry*, 2013, vol. 270, p. 28 - 36. (2.416 - IF2012). (2013 - Current Contents). ISSN 1010-6030.
- ADCA97 KÓSA, Csaba - SEDLAČÍK, Michal - FIEDLEROVÁ, Agnesa - CHMELA, Štefan - BORSKÁ, Katarína - MOSNÁČEK, Jaroslav. Photochemically cross-linked poly(epsilon-caprolactone) with accelerated hydrolytic degradation. In *European Polymer Journal*, 2015, vol. 68, p. 601-608. (3.005 - IF2014). (2015 - Current Contents). ISSN 0014-3057.
- ADCA98 KÓSA, Csaba - DANKO, Martin - HRDLOVIČ, Pavol. Preparation and spectral characterization of fluorescence probes based on 4-N,N-dimethylamino benzoic acid and sterically hindered amines. In *Journal of Fluorescence*, 2012, vol. 22, no.5, p. 1371 - 1381. (2.107 - IF2011). (2012 - Current Contents). ISSN 1053-0509.
- ADCA99 KOSIDLO, U. - OMASTOVÁ, Mária - MIČUŠÍK, Matej - ĆIRIĆ-MARJANOVIĆ, G. - RANDRIAMAHAZAKA, H. - WALLMERSPERGER, T. - AABLOO, A. - KOLARIC, I. - BAUERNHANSL, T. Nanocarbon based ionic actuators - a review. In *Smart Materials & Structures*, 2013, vol. 22, art.no. 104022 [30 p.]. (2.024 - IF2012). (2013 - Current Contents). ISSN 0964-1726.
- ADCA100 KOUMOULOS, E. P. - VALENTIN, Marian - DRAGATOGIANNIS, D. A. - CHARITIDIS, C. A. - KRUPA, Igor - NOVÁK, Igor. Nanomechanical properties of plasma treated polylactic acid. In *Plastics, Rubber and Composites : Macromolecular Engineering*, 2015, vol. 44, no. 8, p. 322-329. (0.583 - IF2014). (2015 - Current Contents). ISSN 1465-8011.
- ADCA101 KRAJČI, Juraj - ŠPITALSKÝ, Zdenko - CHODÁK, Ivan. Relationship between conductivity and stress-strain curve of electroconductive composite with SBR or polycaprolactone matrices. In *European Polymer Journal*, 2014, vol. 55, p. 135-143. (3.242 - IF2013). (2014 - Current Contents). ISSN 0014-3057.
- ADCA102 KRAJČI, Juraj - CHODÁK, Ivan. Vzťahy medzi mechanickou deformáciou a elektrickou vodivosťou kompozitov [Relations between mechanical deformation and electrical conductivity of composites]. In *Chemické listy*, 2014, roč. 108, č. 7, s. 646-652. (0.196 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0009-2770.
- ADCA103 KRATOCHVÍLA, Ján - BOUDENNE, Abderrahim - KRUPA, Igor. Effect of filler size on thermophysical and electrical behavior of nanocomposites based on

expanded graphite nanoparticles filled in low-density polyethylene matrix. In *Polymer Composites*, 2013, vol. 34, iss. 2, p. 149 - 155. (1.482 - IF2012). (2013 - Current Contents). ISSN 0272-8397.

- ADCA104 KRONEK, Juraj - PAULOVICHOVÁ, Ema - PAULOVICHOVÁ, Lucia - KRONEKOVÁ, Zuzana - LUSTOŇ, Jozef. Immunomodulatory efficiency of poly(2-oxazolines). In *Journal of Materials Science: Materials in Medicine*, 2012, vol. 23, no. 6, p. 1457-1464. (2.316 - IF2011). (2012 - Current Contents). ISSN 0957-4530.
- ADCA105 KRONEK, Juraj - PETREŇČIKOVÁ, Nadežda - MIKULEC, Marcel - BORSKÁ, Katarína - CHRISTOVA, Darinka. Structure analysis and thermosensitive properties of copolymers prepared from 2-ethyl-2-oxazoline and 2-(4-aminophenyl)-2-oxazoline. In *Polymer Bulletin*, 2015, vol. 72, p. 1081-1094. (1.438 - IF2014). (2015 - Current Contents, Current Contents). ISSN 0170-0839.
- ADCA106 KRONEK, Juraj - LUSTOŇ, Jozef - KLEINOVÁ, Angela - JANIGOVÁ, Ivica. Synthesis and polymerization reactions of cyclic imino ethers. 5: naphthalene unit-containing poly(ether amide)s. In *Polymers for Advanced Technologies*, 2012, vol. 23, p. 1057 - 1065. (2.007 - IF2011). (2012 - Current Contents). ISSN 1042-7147.
- ADCA107 KRUPA, Igor - PROSTREDNÝ, Martin - ŠPITALSKÝ, Zdenko - KRAJČI, Juraj - ALMAADEED, Mariam Ali S. Electrically conductive composites based on an elastomeric matrix filled with expanded graphite as a potential oil sensing material. In *Smart Materials & Structures*, 2014, vol. 23, art. no. 125020 [9p]. (2.449 - IF2013). (2014 - Current Contents). ISSN 0964-1726.
- ADCA108 KRUPA, Igor - CECEN, Volkan - BOUDENNE, Abderrahim - KRIŽANOVÁ, Zuzana - VÁVRA, Ivo - SRNÁNEK, Rudolf - RADNÓCZI, Gyorgy. Mechanical properties and morphology of composites based on the EVA copolymer filled with expanded graphite. In *Polymer - Plastics Technology and Engineering*, 2012, vol. 51, p. 1388-1393. (1.279 - IF2011). (2012 - Current Contents). ISSN 0360-2559.
- ADCA109 KRUPA, Igor - NÓGELLOVÁ, Zuzana - ŠPITALSKÝ, Zdenko - JANIGOVÁ, Ivica - BOH, Bojana - SUMIGA, Bostjan - KLEINOVÁ, Angela - KARKRI, Mustapha - ALMAADEED, Mariam A. Phase change materials based on high-density polyethylene filled with microencapsulated paraffin wax. In *Energy Conversion and Management*, 2014, vol. 87, p. 400-409. (3.590 - IF2013). (2014 - Current Contents). ISSN 0196-8904.
- ADCA110 KRUPA, Igor - NÓGELLOVÁ, Zuzana - ŠPITALSKÝ, Zdenko - MALÍKOVÁ, Marta - SOBOLČIAK, Patrik - ABDELRAZEQ, Haneen W. - OUEDERNI, Mabrouk - KARKRI, Mustapha - JANIGOVÁ, Ivica - AL-MAADEED, Mariam Ali S. A. Positive influence of expanded graphite on the physical behavior of phase change materials based on linear low-density polyethylene and paraffin wax. In *Thermochimica Acta*, 2015, vol. 614, p. 218-225. (2.184 - IF2014). (2015 - Current Contents). ISSN 0040-6031.

- ADCA111 KRUPA, Igor - CECEN, Volkan - BOUDENNE, Abderrahim - PROKEŠ, Jan - NOVÁK, Igor. The mechanical and adhesive properties of electrically and thermally conductive polymeric composites based on high density polyethylene filled with nickel powder. In *Materials and Design*, 2013, vol. 51, p. 620-628. (2.913 - IF2012). (2013 - Current Contents). ISSN 0261-3069.
- ADCA112 KUBIČÁR, Ľudovít - ANIBARRO, C.C. - VRETENÁR, Viliam - DIEŠKA, Peter - NOVÁK, Igor - CHODÁK, Ivan. Monitoring of epoxy curing by a thermal-conductivity sensor based on the hot-ball transient method. In *International Journal of Thermophysics*, 2012, vol. 33, p.1164 - 1176. (0.953 - IF2011). (2012 - Current Contents). ISSN 0195-928X.
- ADCA113 KULHÁNEK, Jiří - BUREŠ, Filip - PYTELA, Oldřich - PIPPIG, Falko - DANKO, Martin - MIKYSEK, Tomáš - PADĚLKOVÁ, Zdenka - LUDWIG, Miroslav. Quadrupolar D-pí-A-pí-D chromophores with central tetrafluorobenzene acceptor and two peripheral N,N-dimethylamino and methoxy donors. In *Journal of Fluorine Chemistry*, 2014, vol. 181, p. 15 - 23. (1.952 - IF2013). (2014 - Current Contents). ISSN 0022-1139.
- ADCA114 KUNZO, Pavol - LOBOTKA, Peter - MIČUŠÍK, Matej - KOVÁČOVÁ, Eva. Palladium-free hydrogen sensor based on oxygen-plasma-treated polyaniline. In *Sensors and Actuators B-Chemical*, 2012, vol. B171 - 172, p. 838 - 845. (3.898 - IF2011). (2012 - Current Contents). ISSN 0925-4005.
- ADCA115 KUZMÍK, Ján - HAŠČÍK, Štefan - KUČERA, Michal - KÚDELA, Róbert - DOBROČKA, Edmund - ADIKIMENAKIS, A. - MIČUŠÍK, Matej - GREGOR, M. - PLECENIK, Andrej - GEORGAKILAS, A. Elimination of surface band bending on N-polar InN with thin GaN capping. In *Applied Physics Letters*, 2015, vol. 107, 191605. (3.302 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0003-6951.
- ADCA116 LACÍK, Igor - STACH, Marek - KASÁK, Peter - SEMAK, Vladislav - UHELSKÁ, Lucia - CHOVANCOVÁ, Anna - REINHOLD, Gunter - KILZ, Peter - DELAITTRE, Guillaume - CHARLEUX, Bernadette - CHADUC, Isabelle - D'AGOSTO, Franck - LANSALOT, Muriel - GABORIEAU, Marianne - CASTIGNOLLES, Patrice - GILBERT, Robert G. - SZABLAN, Zachary - BARNER-KOWOLLIK, Christopher - HESSE, Pascal - BUBACK, Michael. SEC analysis of poly(acrylic acid) and poly(methacrylic acid). In *Macromolecular Chemistry and Physics*, 2015, vol. 216, p. 23-37. (2.616 - IF2014). (2015 - Current Contents). ISSN 1022-1352.
- ADCA117 LAMPARTH, Iris - FISCHER, Urs K. - PAVLINEC, Jiří - KLEINOVÁ, Angela - MOSZNER, Norbert. Monomers for adhesive polymers. 14. Synthesis and radical polymerization of 4-[11-(acryloyl-methyl-amino)-undecyloxy]-phthalic acid and (10-[1,3-bis(methacrylamido)-propoxy]-decyloxy)-phthalic acid. In *Macromolecular Materials and Engineering*, 2014, vol. 299, p. 834-842. (2.781 - IF2013). (2014 - Current Contents). ISSN 1438-7492.
- ADCA118 LIEBSCHER, Marco - GARTNER, Titus - TZOUNIS, Lazaros - MIČUŠÍK, Matej - POTSCHKE, Petra - STAMM, Manfred - HEINRICH, Gert - VOIT,

Brigitte. Influence of the MWCNT surface functionalization on the thermoelectric properties of melt-mixed polycarbonate composites. In *Composites Science and Technology*, 2014, vol. 101, p. 133-138. (3.633 - IF2013). (2014 - Current Contents). ISSN 0266-3538.

ADCA119 LIGON, Samuel Clark - HUSÁR, Branislav - WUTZEL, Harald - HOLMAN, Richard - LISKA, Robert. Strategies to reduce oxygen inhibition in photoinduced polymerization. In *Chemical Reviews*, 2014, vol. 114, p. 557 - 589. (45.661 - IF2013). (2014 - Current Contents). ISSN 0009-2665.

ADCA120 LÓPEZ-GARCÍA, Jorge - LEHOCKÝ, Marian - HUMPOLÍČEK, Petr - NOVÁK, Igor. On the correlation of surface charge and energy in non-thermal plasma-treated polyethylene. In *Surface and Interface Analysis*, 2014, vol. 46, p. 625-629. (1.393 - IF2013). (2014 - Current Contents). ISSN 0142-2421.

ADCA121 LUKÁČ, Ivan - KÓSA, Csaba - HUSÁR, Branislav. 1,4-Bisbenzil: Visible-light- and heat-assisted crosslinking of polystyrene films. In *Macromolecular Chemistry and Physics*, 2014, vol. 215, p. 171 - 176. (2.451 - IF2013). (2014 - Current Contents). ISSN 1022-1352.

ADCA122 LUKEŠ, Vladimír - ANDICS ECKSTEIN, Anita - VÉGH, Daniel - WEITER, Martin. Electronic structure and spectroscopic properties of (2S,3S)-2,3-diphenyl-5,6-diheteroaryl-2,3-dihydropyrazines and their model oligomers. In *Synthetic Metals*, 2015, vol. 199, p. 319-328. (2.252 - IF2014). (2015 - Current Contents). ISSN 0379-6779.

ADCA123 LUKEŠ, Vladimír - DANKO, Martin - ECKSTEIN ANDICSOVÁ, Anita - HRDLOVIČ, Pavol - VÉGH, Daniel. The synthesis and examination of spectral properties of some 2,2'-bithienyl derivatives with carbonyl-containing substituents. In *Synthetic Metals*, 2013, vol. 165, p. 17 - 26. (2.109 - IF2012). (2013 - Current Contents). ISSN 0379-6779.

ADCA124 LUKEŠOVÁ, Miroslava - ŠVAJDLENKOVÁ, Helena - SIPPEL, Pit - MACOVÁ, Eva - BEREK, Dušan - LOIDL, Alois - BARTOŠ, Josef. Spin probe dynamics of n-hexadecane in confined geometry. In *European Physical Journal B*, 2015, vol. 88, art.no. 46. (1.345 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6028.

ADCA125 LUKEŠOVÁ, Miroslava - ZGARDZINSKA, B. - ŠVAJDLENKOVÁ, Helena - ZALESKI, R. - CHARMAS, B. - BARTOŠ, Josef. Spin probe dynamics in relation to free volume in crystalline organics from ESR and PALS: N-tridecane. In *Physica B: Condensed Matter*, 2015, vol. 476, p. 100-108. (1.319 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0921-4526.

ADCA126 LUSTOŇ, Jozef - KRONEK, Juraj - KLEINOVÁ, Angela - JANIGOVÁ, Ivica - VALENTOVÁ, Helena - NEDBAL, Jan. Synthesis and polymerization reactions of cyclic imino ethers. VI. Polymers with biphenyl structure. In *Journal of Polymer Science. Part A. Polymer Chemistry*, 2012, vol. 50, p. 3936 - 3943. (3.919 - IF2011). (2012 - Current Contents). ISSN 0887-624X.

- ADCA127 MARKECHOVÁ, Diana - MÁJEK, Pavel - KLEINOVÁ, Angela - SÁDECKÁ, Jana. Determination of the adulterants in adulterant-brandy blends using fluorescence spectroscopy and multivariate methods. In *Analytical Methods*, 2014, vol. 6, p. 379 - 386. (1.938 - IF2013). (2014 - Current Contents). ISSN 1759-9660.
- ADCA128 MAŤKO, Igor - ŠAUŠA, Ondrej - MACOVÁ, Eva - BEREK, Dušan. Combined study of confined water in controlled pore glasses by differential scanning calorimetry and positron annihilation lifetime spectroscopy. In *Journal of Thermal Analysis and Calorimetry*, 2015, vol.121, p. 163-168. (2.042 - IF2014). (2015 - Current Contents). ISSN 1388-6150.
- ADCA129 MESÁROŠOVÁ, Monika - KOZICS, Katarína - BÁBELOVÁ, Andrea - SEDLÁČKOVÁ, Eva - PASTOREK, Michal - VNUKOVÁ, Dominika - BULIAKOVÁ, Barbora - RÁZGA, Filip - GÁBELOVÁ, Alena. The role of reactive oxygen species in the genotoxicity of surface-modified magnetite nanoparticles. In *Toxicology Letters : official journal of EUROTOX*, 2014, vol. 226, p. 303 - 313. (3.355 - IF2013). (2014 - Current Contents). ISSN 0378-4274.
- ADCA130 MIČUŠÍK, Matej - BONNEFOND, Audrey - PAULIS, Maria - LEIZA, Jose R. Synthesis of waterborne acrylic/clay nanocomposites by controlled surface initiation from macroinitiator modified montmorillonite. In *European Polymer Journal*, 2012, vol. 48, p. 896 - 905. (2.739 - IF2011). (2012 - Current Contents). ISSN 0014-3057.
- ADCA131 MORCH, Yrr A. - QI, Meirigeng - GUNDERSEN, Per Ole M. - FORMO, Kjetil - LACÍK, Igor - SKJAK-BRAEK, Gudmund - OBERHOLZER, Jose - STRAND, Berit L. Binding and leakage of barium in alginate microbeads. In *Journal of Biomedical Materials Research : Part A*, 2012, vol. 100A, p. 2939 - 2947. (2.625 - IF2011). (2012 - Current Contents). ISSN 1549-3296.
- ADCA132 MOSNÁČEK, Jaroslav - NICOLAY, Renaud - KAR, Kishore K. - FRUCHEY, Stanley O. - CLOETER, Michael D. - HARNER, Richard S. - MATYJASZEWSKI, Krzysztof. Efficient polymerization inhibition systems for acrylic acid distillation : New liquid-phase inhibitors. In *Industrial & Engineering Chemistry Research*, 2012, vol. 51, p. 3910 - 3915. (2.237 - IF2011). (2012 - Current Contents). ISSN 0888-5885.
- ADCA133 MOSNÁČEK, Jaroslav - ECKSTEIN-ANDICSOVÁ, Anita - BORSKÁ, Katarína. Ligand effect and oxygen tolerance studies in photochemically induced copper mediated reversible deactivation radical polymerization of methyl methacrylate in dimethyl sulfoxide. In *Polymer Chemistry*, 2015, vol. 6, p. 2523-2530. (5.520 - IF2014). (2015 - Current Contents). ISSN 1759-9954.
- ADCA134 MOSNÁČEK, Jaroslav - ILČÍKOVÁ, Markéta. Photochemically mediated atom transfer radical polymerization of methyl methacrylate using ppm amounts of catalyst. In *Macromolecules*, 2012, vol. 45, p. 5859 - 5865. (5.167 - IF2011). (2012 - Current Contents). ISSN 0024-9297.
- ADCA135 MOSNÁČEK, Jaroslav - BORSKÁ, Katarína - DANKO, Martin - JANIGOVÁ, Ivica. Photochemically promoted degradation of

poly(epsilon-caprolactone) film. In *Materials Chemistry and Physics*, 2013, vol. 140, p. 191 - 199. (2.072 - IF2012). (2013 - Current Contents). ISSN 0254-0584.

ADCA136 MOSNÁČEK, Jaroslav - KUNDYS, Anna - ECKSTEIN ANDICSOVÁ, Anita. Reversible-deactivation radical polymerization of methyl methacrylate induced by photochemical reduction of various copper catalysis. In *Polymers : Open Access Polymer Science Journal*, 2014, vol. 6, p. 2862-2874. (2.505 - IF2013). (2014 - Current Contents). ISSN 2073-4360.

ADCA137 MOSNÁČKOVÁ, Katarína - ŠPITALSKÝ, Zdenko - KULIČEK, Jaroslav - PROKEŠ, Jan - SKARMOUTSOU, Amalia - CHARITIDIS, Costas A. - OMASTOVÁ, Mária. Influence of preparation methods on the electrical and nanomechanical properties of poly(methyl methacrylate)/multiwalled carbon nanotubes composites. In *Journal of Applied Polymer Science*, 2015, vol. 132, no.13, art.no. 41721. (1.768 - IF2014). (2015 - Current Contents). ISSN 0021-8995.

ADCA138 MRLÍK, Miroslav - ILČÍKOVÁ, Markéta - PAVLÍNEK, Vladimír - MOSNÁČEK, Jaroslav - PEER, Petra - FILIP, Petr. Improved thermooxidation and sedimentation stability of covalently-coated carbonyl iron particles with cholesteryl groups and their influence on magnetorheology. In *Journal of Colloid and Interface Science*, 2013, vol. 396, p. 146 - 151. (3.172 - IF2012). (2013 - Current Contents). ISSN 0021-9797.

ADCA139 MRLÍK, M. - ILČÍKOVÁ, Markéta - SEDLACIK, M. - MOSNÁČEK, Jaroslav - PEER, P. - FILIP, P. Cholesteryl-coated carbonyl iron particles with improved anti-corrosion stability and their viscoelastic behaviour under magnetic field. In *Colloid and Polymer Science*, 2014, vol. 292, p. 2137-2143. (2.410 - IF2013). (2014 - Current Contents). ISSN 0303-402X.

ADCA140 MRLÍK, M. - MOUČKA, R. - ILČÍKOVÁ, Markéta - BOBER, P. - KAZANTSEVA, N. - ŠPITALSKÝ, Zdenko - TRCHOVÁ, M. - STEJSKAL, J. Charge transport and dielectric relaxation processes in aniline-based oligomers. In *Synthetic Metals*, 2014, vol.192, p. 37-42. (2.222 - IF2013). (2014 - Current Contents). ISSN 0379-6779.

ADCA141 NICOLAY, Renaud - MOSNÁČEK, Jaroslav - KAR, Kishore K. - FRUCHEY, Stanley o. - CLOETER, Michael D. - HARNER, Richard S. - MATYJASZEWSKI, Krzysztof. Efficient polymerization inhibition systems for acrylic acid distillation : Vapor-phase inhibitors. In *Industrial & Engineering Chemistry Research*, 2012, vol. 51, p. 4467 - 4471. (2.237 - IF2011). (2012 - Current Contents). ISSN 0888-5885.

ADCA142 NOVÁK, Igor - POPELKA, Anton - LUYT, A. S. - CHEHIMI, M. M. - ŠPÍRKOVÁ, M. - JANIGOVÁ, Ivica - KLEINOVÁ, Angela - STOPKA, P. - ŠLOUF, M. - VANKO, V. - CHODÁK, Ivan - VALENTIN, Marian. Adhesive properties of polyester treated by cold plasma oxygen and nitrogen atmospheres. In *Surface and coatings technology*, 2013, vol. 235, p. 407 - 416. (1.941 - IF2012). (2013 - Current Contents, SCOPUS). ISSN 0257-8972.

ADCA143 NOVÁK, Igor - POPELKA, Anton - KRUPA, Igor - CHODÁK, Ivan - JANIGOVÁ, Ivica - NEDELČEV, Tomáš - ŠPÍRKOVÁ, M. - KLEINOVÁ, Angela.

High-density polyethylene functionalized by cold plasma and silanes. In *Vacuum*, 2012, vol. 86, p. 2089 - 2094. (1.317 - IF2011). (2012 - Current Contents). ISSN 0042-207X.

ADCA144 NOVÁK, Igor - POPELKA, Anton - ŠPITALSKÝ, Zdenko - MIČUŠÍK, Matej - OMASTOVÁ, Mária - VALENTIN, Marian - SEDLIAČIK, Ján - JANIGOVÁ, Ivica - KLEINOVÁ, Angela - ŠLOUF, Miroslav. Investigation of beech wood modified by radio-frequency discharge plasma. In *Vacuum*, 2015, vol. 119, p. 88-94. (1.858 - IF2014). (2015 - Current Contents). ISSN 0042-207X.

ADCA145 NOVÁK, Igor - POPELKA, Anton - VALENTIN, Marian - CHODÁK, Ivan - ŠPÍRKOVÁ, M. - TÓTH, A. - KLEINOVÁ, Angela - SEDLIAČIK, J. - LEHOCKÝ, M. - MARÔNEK, M. Surface behavior of polyamide 6 modified by barrier plasma in oxygen and nitrogen. In *International journal of polymer analysis and characterisation*, 2014, vol. 19, no. 1, p. 31-38. (1.487 - IF2013). (2014 - Current Contents). ISSN 1023-666X.

ADCA146 NOVÁK, Igor - ŠTEVIAR, Marián - POPELKA, Anton - CHODÁK, Ivan - MOSNÁČEK, Jaroslav - ŠPÍRKOVÁ, Milena - JANIGOVÁ, Ivica - KLEINOVÁ, Angela - SEDLIAČIK, Ján - ŠLOUF, Miroslav. Surface modification of polyethylene by diffuse barrier discharge plasma. In *Polymer Engineering and Science*, 2013, vol. 53, p. 516 - 523. (1.243 - IF2012). (2013 - Current Contents). ISSN 0032-3888.

ADCA147 OLČÁK, Dušan - HRONSKÝ, Viktor - FRIČOVÁ, Oľga - KOVALÁKOVÁ, Mária - DURANKA, Peter - CHODÁK, Ivan. Solid and melt-state 1H NMR studies of relaxation processes in isotactic polypropylenes. In *Journal of Polymer Research*, 2013, vol. 20, iss.4, art.no.117 [9p.]. (2.019 - IF2012). (2013 - Current Contents). ISSN 1022-9760.

ADCA148 OLČÁK, D. - HRONSKÝ, V. - KOVALÁKOVÁ, M. - VRÁBEL, P. - CHODÁK, Ivan - ALEXYY, P. High-resolution solid-state NMR characterization of morphology in annealed polylactic acid. In *International journal of polymer analysis and characterisation*, 2015, vol. 20, no. 5, p. 396-405. (1.264 - IF2014). (2015 - Current Contents). ISSN 1023-666X.

ADCA149 OMASTOVÁ, Mária - MOSNÁČKOVÁ, Katarína - FEDORKO, Pavol - TRCHOVÁ, Miroslava - STEJSKAL, Jaroslav. Polypyrrole/silver composites prepared by single-step synthesis. In *Synthetic Metals*, 2013, vol.166, p. 57 - 62. (2.109 - IF2012). (2013 - Current Contents). ISSN 0379-6779.

ADCA150 OMASTOVÁ, Mária - MIČUŠÍK, Matej - FEDORKO, Pavol - PIONTECK, Jurgen - KOVÁŘOVÁ, Jana - CHEHIMI, Mohamed M. The synergy of ultrasonic treatment and organic modifiers for tuning the surface chemistry and conductivity of multiwalled carbon nanotubes. In *Surface and Interface Analysis*, 2014, vol. 46, p. 940-944. (1.393 - IF2013). (2014 - Current Contents). ISSN 0142-2421.

ADCA151 OMASTOVÁ, Mária - BOBER, Patrycja - MORÁVKOVÁ, Zuzana - PEŘINKA, Nikola - KAPLANOVÁ, Marie - SYROVÝ, Tomáš - HROMÁDKOVÁ, Jiřina - TRCHOVÁ, Miroslava - STEJSKAL, Jaroslav. Towards

- conducting inks: Polypyrrole-silver colloids. In *Electrochimica Acta*, 2014, vol. 122, p. 296-302. (4.086 - IF2013). (2014 - Current Contents). ISSN 0013-4686.
- ADCA152 PALENČÁR, Peter - BLEHA, Tomáš. Bending and kinking in helical polymers. In *Journal of Polymer Science. Part B. Polymer Physics*, 2015, vol. 53, p. 1345-1357. (3.830 - IF2014). (2015 - Current Contents). ISSN 0887-6266.
- ADCA153 PALENČÁR, Peter - BLEHA, Tomáš. Buckling transition in long alpha-helices. In *Journal of Chemical Physics*, 2014, vol. 141, 174901 - 12 p. (3.122 - IF2013). (2014 - Current Contents). ISSN 0021-9606.
- ADCA154 PALENČÁR, Peter - BLEHA, Tomáš. Folding of alpha-helices into bundles in long polyalanines. In *Computational and Theoretical Chemistry*, 2013, vol. 1006, p. 62- 69. ISSN 2210-271X.
- ADCA155 PALENČÁR, Peter - BLEHA, Tomáš. Gas-phase compaction of helical polymers. In *Polymer : the International Journal for the Science and Technology of Polymers*, 2013, vol. 54, p. 4955 - 4962. (3.379 - IF2012). (2013 - Current Contents). ISSN 0032-3861.
- ADCA156 PAPAJOVÁ, Eva - BUJDOŠ, Marek - CHORVÁT, Dušan Jr. - STACH, Marek - LACÍK, Igor. Method for preparation of planar alginate hydrogels by external gelling using an aerosol of gelling solution. In *Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides*, 2012, vol. 90, p. 472 - 482. (3.628 - IF2011). (2012 - Current Contents). ISSN 0144-8617.
- ADCA157 PASZKIEWICZ, Sandra - PAWELEC, Iwona - SZYMCZYK, Anna - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav - KOCHMANSKA, Agnieszka - ROSLANIEC, Zbigniew. Effect of exfoliated graphite nanoplatelets' size on the phase structure, electrical, and barrier properties of poly(trimethylene terephthalate)-based nanocomposite. In *Polymer Engineering and Science*, 2015, vol. 55, p. 2222-2230. (1.520 - IF2014). (2015 - Current Contents). ISSN 0032-3888.
- ADCA158 PASZKIEWICZ, Sandra - SZYMCZYK, Anna - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav - KWIATKOWSKI, Konrad - ROSLANIEC, Zbigniew. Structure and properties of nanocomposites based on PTT-block-PTMO copolymer and graphene oxide prepared by in situ polymerization. In *European Polymer Journal*, 2014, vol. 50, p. 69-77. (3.242 - IF2013). (2014 - Current Contents). ISSN 0014-3057.
- ADCA159 PASZKIEWICZ, S. - SZYMCZYK, A. - ŠPITALSKÝ, Zdenko - SOCCIO, M. - MOSNÁČEK, Jaroslav - EZQUERRA, T. A. - ROSLANIEC, Z. Electrical conductivity of poly(ethylene terephthalate)/expanded graphite nanocomposites prepared by In situ polymerization. In *Journal of Polymer Science. Part B. Polymer Physics*, 2012, vol. 50, p. 1645 - 1652. (1.531 - IF2011). (2012 - Current Contents). ISSN 0887-6266.
- ADCA160 PAVLINEC JURAJ, Jiří - KLEINOVÁ, Angela - ANGERMAN, Jorg - LAMPARTH, Iris - MOSZNER, Norbert. Monomers for adhesive polymers. 12. Synthesis and free-radical homo- and copolymerization of 2-ethyloxycarbonylalyl

5-(1,2-dithiolane-3-yl)-pentanoate. In *Macromolecular Materials and Engineering*, 2013, vol. 298, p. 1220 - 1231. (2.338 - IF2012). (2013 - Current Contents). ISSN 1438-7492.

ADCA161 PAVLINEC, Jiří - KLEINOVÁ, Angela - MOSZNER, Norbert. The depletion of substituted phenolic stabilizers by conjugate C-addition to acrylic monomers in multicomponent systems. In *Macromolecular Materials and Engineering*, 2012, vol. 297, p. 1005 - 1013. (1.986 - IF2011). (2012 - Current Contents). ISSN 1438-7492.

ADCA162 PIONTECK, Jurgen - VALDEZ, Elixana Maria Melchor - PIANA, Francesco - OMASTOVÁ, Mária - LUYT, Adriaan Stephanus - VOIT, Brigitte. Reduced percolation concentration in polypropylene/expanded graphite composites: Effect of viscosity and polypyrrole. In *Journal of Applied Polymer Science*, 2015, vol. 132, art.no. 41994. (1.768 - IF2014). (2015 - Current Contents). ISSN 0021-8995.

ADCA163 PLAŠIENKA, Dušan - CIFRA, Peter - MARTOŇÁK, Roman. Structural transformation between long and short-chain form of liquid sulfur from ab initio molecular dynamics. In *Journal of Chemical Physics*, 2015, vol. 142, art. no. 154502. (2.952 - IF2014). (2015 - Current Contents). ISSN 0021-9606.

ADCA164 PODHRADSKÁ, Silvia - OMASTOVÁ, Mária - CHODÁK, Ivan. Effect of uniaxial deformation and relaxation of rubber-carbon black composites on their electrical properties. In *KGK - Kautschuk Gummi Kunststoffe*, 2015, vol. 68, no. 5, p. 45-51. (0.212 - IF2014). (2015 - Current Contents). ISSN 0948-3276.

ADCA165 POPELKA, Anton - NOVÁK, Igor - LEHOCKÝ, Marián - JUNKAR, Ita - MOZETIČ, Miran - KLEINOVÁ, Angela - JANIGOVA, Ivica - ŠLOUF, Miroslav - BÍLEK, František - CHODÁK, Ivan. A new route for chitosan immobilization onto polyethylene surface. In *Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides*, 2012, vol. 90, p. 1501 - 1508. (3.628 - IF2011). (2012 - Current Contents). ISSN 0144-8617.

ADCA166 POPELKA, Anton - NOVÁK, Igor - LEHOCKÝ, M. - BÍLEK, F. - KLEINOVÁ, Angela - MOZETIČ, M. - ŠPÍRKOVÁ, M. - CHODÁK, Ivan. Antibacterial treatment of LDPE with halogen derivatives via cold plasma. In *Express Polymer Letters*, 2015, vol. 9, no. 5, p. 402-411. (2.761 - IF2014). (2015 - Current Contents). ISSN 1788-618X.

ADCA167 POPELKA, Anton - NOVÁK, Igor - LEHOCKÝ, Marián - CHODÁK, Ivan - SEDLIAČIK, Ján - GAJTANSKA, Milada - SEDLIAČIKOVÁ, Mariana - VESEL, Alenka - JUNKAR, Ita - KLEINOVÁ, Angela - ŠPÍRKOVÁ, Milena - BÍLEK, František. Anti-bacterial treatment of polyethylene by cold plasma for medical purposes. In *Molecules*, 2012, vol. 17, p. 762 - 785. (2.386 - IF2011). (2012 - Current Contents). ISSN 1420-3049.

ADCA168 POPELKA, Anton - KRONEK, Juraj - NOVÁK, Igor - KLEINOVÁ, Angela - MICUŠÍK, Matej - ŠPÍRKOVÁ, Milena - OMASTOVÁ, Mária. Surface modification of low-density polyethylene with poly(2-ethyl-2-oxazoline) using a low-pressure plasma treatment. In *Vacuum*, 2014, vol. 100, p. 53 - 56. (1.426 - IF2013). (2014 - Current Contents). ISSN 0042-207X.

- ADCA169 PORUBSKÁ, Mária - SZOLOS, Ondrej - KÓŇOVÁ, Alena - JANIGOVÁ, Ivica - JAŠKOVÁ, Miloslava - JOMOVÁ, Klaudia - CHODÁK, Ivan. FTIR spectroscopy study of polyamide-6 irradiated by electron and proton beams. In *Polymer Degradation and Stability*, 2012, vol. 97, p. 523 - 531. (2.769 - IF2011). (2012 - Current Contents). ISSN 0141-3910.
- ADCA170 PORUBSKÁ, Mária - JANIGOVÁ, Ivica - JOMOVÁ, Klaudia - CHODÁK, Ivan. The effect of electron beam irradiation on properties of virgin and glass fiber-reinforced polyamide 6. In *Radiation Physics and Chemistry*, 2014, vol. 102, p. 159-166. (1.189 - IF2013). (2014 - Current Contents). ISSN 0969-806X.
- ADCA171 PORUBSKÁ, Mária - HANZLÍKOVÁ, Zuzana - BRANIŠA, Jana - KLEINOVÁ, Angela - HYBLER, Peter - FULOP, Marko - ONDRUŠKA, Ján - JOMOVÁ, Klaudia. The effect of electron beam on sheep wool. In *Polymer Degradation and Stability*, 2015, vol. 111, p. 151-158. (3.163 - IF2014). (2015 - Current Contents). ISSN 0141-3910.
- ADCA172 PRACHÁR, Jozef - NOVÁK, Igor - BORSIG, Eberhard. Možnosti modifikácie povrchu polypropylénu plazmou bariérového výboja a imobilizácia antibakteriálnych polysacharidov [Possibility of modification of the surface of polypropylene barrier discharge plasma and immobilization of antibacterial polysaccharide]. In *Chemické listy*, 2014, roč. 108, č. 6, s. 579 - 585. (0.196 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0009-2770.
- ADCA173 QI, Meirigeng - MORCH, Yrr - LACÍK, Igor - FORMO, Kjetil - MARCHESE, Enza - WANG, Yong - DANIELSON, Kirstie J. - KINZER, Katie - WANG, Shusen - BARBARO, Barbara - HLOUŠKOVÁ, Gabriela - CHORVÁT, Dušan Jr. - HUNKELER, David - SKJAK-BRAEK, Gudmund - OBERHOLZER, José - STRAND, Berit L. Survival of human islets in microbeads containing high guluronic acid alginate crosslinked with Ca²⁺ and Ba²⁺. In *Xenotransplantation*, 2012, vol. 19, p. 355 - 364. (2.326 - IF2011). (2012 - Current Contents). ISSN 0908-665X.
- ADCA174 RACIL, Zdenek - RÁZGA, Filip - KLAMOVA, Hana - VOGLOVA, Jaroslava - BELOHLAVKOVA, Petra - MALASKOVA, Ludmila - POTESIL, David - MUZIK, Jan - ZACKOVA, Daniela - MACHOVA POLAKOVA, Katerina - ZDRAHAL, Zbynek - MALAKOVA, Jana - SUTTNAR, Jiri - DYR, Jan - MAYER, Jiri. No clinical evidence for performing trough plasma and intracellular imatinib concentrations monitoring in patients with chronic myelogenous leukaemia. In *Hematological Oncology*, 2014, vol. 32, p. 87-93. (2.355 - IF2013). (2014 - Current Contents). ISSN 0278-0232.
- ADCA175 RAČKO, Dušan - CIFRA, Peter. Arm retraction and escape transition in semi-flexible star polymer under cylindrical confinement. In *Journal of molecular modeling*, 2015, vol. 21, art.no. 186. (1.736 - IF2014). (2015 - Current Contents). ISSN 1610-2940.
- ADCA176 RAČKO, Dušan - BENEDETTI, Fabrizio - DORIER, Julien - BURNIER, Yannis - STASIAK, Andrzej. Generation of supercoils in nicked and grapped DNA

drives DNA unknotting and postreplicative decatenation. In *Nucleic acids research*, 2015, vol. 43, no. 15, p. 7229-7236. (9.112 - IF2014). (2015 - Current Contents). ISSN 0305-1048.

ADCA177 RAČKO, Dušan - CIFRA, Peter. Segregation of semiflexible macromolecules in nanochannel. In *Journal of Chemical Physics*, 2013, vol. 138, art.no. 184904. (3.164 - IF2012). (2013 - Current Contents). ISSN 0021-9606.

ADCA178 RAČKO, Dušan. The free volume of condensed phases confined in a nanopore as seen by computer simulations and compared to PALS. In *Acta Physica Polonica A*, 2014, vol. 125, no. 3, p. 785-788. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.

ADCA179 RAJEC, P. - GALAMBOŠ, M. - DAŇO, M. - ROSSKOPFOVÁ, O. - ČAPLOVIČOVÁ, M. - HUDEC, P. - HORŇÁČEK, M. - NOVÁK, Ivan - BEREK, Dušan. Preparation and characterization of adsorbent based on carbon for pertechnetate adsorption. In *Journal of radioanalytical and nuclear chemistry*, 2015, vol. 303, p. 277-286. (1.034 - IF2014). (2015 - Current Contents). ISSN 0236-5731.

ADCA180 REITH, Daniel - CIFRA, Peter - STASIAK, Andrzej - VIRNAU, Peter. Effective stiffening of DNA due to nematic ordering causes DNA molecules packed in phage capsids to preferentially form torus knots. In *Nucleic acids research*, 2012, vol. 22, p. 1 - 9. (8.026 - IF2011). (2012 - Current Contents). ISSN 0305-1048.

ADCA181 RICHAUD, Emmanuel - FAYOLLE, Bruno - VERDU, Jacques - RYCHLÝ, Jozef. Co-oxidation kinetic model for the thermal oxidation of polyethylene-unsaturated substrate systems. In *Polymer Degradation and Stability*, 2013, vol. 98, p. 1081 - 1088. (2.770 - IF2012). (2013 - Current Contents). ISSN 0141-3910.

ADCA182 RICHAUD, Emmanuel - AUDOUIN, Ludmila - FAYOLLE, Bruno - VERDU, Jacques - MATISOVÁ, RYCHLÁ, Lýdia - RYCHLÝ, Jozef. Rate constants of oxidation of unsaturated fatty esters studied by chemiluminescence. In *Chemistry and Physics of Lipids*, 2012, vol. 165, p. 753 - 759. (2.571 - IF2011). (2012 - Current Contents). ISSN 0009-3084.

ADCA183 ROKSTAD, Anne Mari - BREKKE, Ole- Lars - STEINKJER, Bjorg - RYAN, Liv - HLOUŠKOVÁ, Gabriela - STRAND, Berit L. - SKJAK-BRAEK, Gudmund - LAMBRIS, John D. - LACÍK, Igor - MOLLNES, Tom Eirik - ESPEVIK, Terje. The induction of cytokines by polycation containing microspheres by a complement dependent mechanism. In *Biomaterials*, 2013, vol. 34, p. 621 - 630. (7.604 - IF2012). (2013 - Current Contents). ISSN 0142-9612.

ADCA184 ROKSTAD, Anne Mari A. - LACÍK, Igor - DE VOS, Paul - STRAND, Berit L. Advanced in biocompatibility and physico-chemical characterization of microspheres for cell encapsulation. In *Advanced Drug Delivery Reviews*, 2014, vol. 67-68, p. 111-130. (12.707 - IF2013). (2014 - Current Contents). ISSN 0169-409X.

- ADCA185 ROLLEROVA, Eva - JURČOVIČOVÁ, Jana - MLYNARČÍKOVÁ, Alžbeta - SADLONOVÁ, Irina - BILANICOVA, Dagmar - WSOLOVA, Ladislava - KISS, Alexander - KOVRIZNYCH, Jevgenij - KRONEK, Juraj - ČIAMPOR, Fedor - VÁVRA, Ivo - SCSUKOVÁ, Soňa. Delayed adverse effects of neonatal exposure to polymeric nanoparticle poly (ethylene glycol)-block-poly lactide methyl ether on hypothalamic-pituitary-ovarian axis development and function in Wistar rats. In *Reproductive Toxicology : official journal of the European Teratology Society*, 2015, vol. 57, p. 165-175. (3.227 - IF2014). (2015 - Current Contents). ISSN 0890-6238.
- ADCA186 ROLLET, Marion - PELLETIER, Bérengère - ALTOUNIAN, Anais - BEREK, Dušan - MARIA, Sébastien - BEAUDOIN, Emmanuel - GIGMES, Didier. Separation of parent homopolymers from polystyrene-b-poly(ethylene oxide)-b-polystyrene triblock copolymers by means of liquid chromatography.1. Comparison of different methods. In *Analytical Chemistry*, 2014, vol. 86, p. 2694-2702. (5.825 - IF2013). (2014 - Current Contents). ISSN 0003-2700.
- ADCA187 ROLLET, Marion - PELLETIER, Berengere - ALTOUNIAN, Anais - BEREK, Dušan - MARIA, Sebastien - PHAN, Trang N. T. - GIGMES, Didier. Separation of parent homopolymers from poly(ethylene oxide) and polystyrene-based block copolymers by liquid chromatography under limiting conditions of desorption. 1. Determination of the suitable molar mass range and optimization of chromatographic conditions. In *Journal of Chromatography A : international Journal on Chromatography, Electrophoresis and Related Methods*, 2015, vol. 1392, p. 37-47. (4.169 - IF2014). (2015 - Current Contents). ISSN 0021-9673.
- ADCA188 ROONEY, Thomas R. - MAVROUDAKIS, Evangelos - LACÍK, Igor - HUTCHINSON, Robin A. - MOSCATELLI, Davide. Pulsed-laser and quantum mechanics study of n-butyl cyanoacrylate and methyl methacrylate free-radical copolymerization. In *Polymer Chemistry*, 2015, vol. 6, p. 1594-1603. (5.520 - IF2014). (2015 - Current Contents). ISSN 1759-9954.
- ADCA189 RYCHLÝ, Jozef - HUDÁKOVÁ, Martina - RYCHLÁ, Lýdia. Burning of thermally thin polyethylene mixtures. Cone calorimeter study. In *Journal of Thermal Analysis and Calorimetry*, 2014, vol. 115, p. 527 - 535. (2.206 - IF2013). (2014 - Current Contents). ISSN 1388-6150.
- ADCA190 RYCHLÝ, Jozef - MOSNÁČKOVÁ, Katarína - RYCHLÁ, Lýdia - FIEDLEROVÁ, Agnesa - KASZA, Gyorgy - NÁDOR, Atilla - OSVÁTH, Zsófia - STUMPHAUSER, Timea - SZARKA, Gyorgyi - CZANIKOVÁ, Klaudia - CHMELA, Štefan - IVÁN, Béla - MOSNÁČEK, Jaroslav. Comparison of the UV stabilisation effect of commercially available processing stabilizers Irganox HP 136 and Irganox 1010. In *Polymer Degradation and Stability*, 2015, vol. 118, p. 10-16. (3.163 - IF2014). (2015 - Current Contents). ISSN 0141-3910.
- ADCA191 RYCHLÝ, Jozef - MATISOVÁ-RYCHLÁ, Lýdia - CSOMOROVÁ, Katarína. Degradation of plastics from the ResinKit as a model for the selection of polymers for artworks. Assessment by nonisothermal thermogravimetric analysis and chemiluminometry. In *Polymer Degradation and Stability*, 2014, vol. 102, p. 105 - 111. (2.633 - IF2013). (2014 - Current Contents). ISSN 0141-3910.

- ADCA192 RYCHLÝ, Jozef - LATTUATI-DERIEUX, Agnes - MATISOVÁ - RYCHLÁ, Lýdia - CSOMOROVÁ, Katarína - JANIGOVÁ, Ivica - LAVÉDRINE, Bertrand. Degradation of aged nitrocellulose investigated by thermal analysis and chemiluminescence. In *Journal of Thermal Analysis and Calorimetry*, 2012, vol. 107, p. 1267 - 1276. (1.604 - IF2011). ISSN 1388-6150.
- ADCA193 RYCHLÝ, Jozef - MATISOVÁ-RYCHLÁ, Lýdia - CSOMOROVÁ, Katarína. Reprint of degradation of plastics from the ResinKit as a model for the selection of polymers for artworks. Assessment by nonisothermal thermogravimetric analysis and chemiluminometry. In *Polymer Degradation and Stability*, 2014, vol. 107, p. 191-197. (2.633 - IF2013). (2014 - Current Contents). ISSN 0141-3910.
- ADCA194 RYCHLÝ, Jozef - RYCHLÁ, Lýdia - FIEDLEROVÁ, Agnesa - CHMELA, Štefan - HRONEC, M. Thermally and UV initiated degradation of polypropylene in the presence of 2,5 bis(2-furylmethylene) cyclopentanone and heterogeneous distribution of hydroxides assessed by non-isothermal chemiluminescence in nitrogen. In *Polymer Degradation and Stability*, 2014, vol. 108, p. 41-47. (2.633 - IF2013). (2014 - Current Contents). ISSN 0141-3910.
- ADCA195 RYCHLÝ, Jozef - RYCHLÁ, Lýdia - STLOUKAL, P. - KOUTNÝ, M. - PEKAŘOVÁ, S. - VERNEY, V. - FIEDLEROVÁ, Agnesa. UV initiated oxidation and chemiluminescence from aromatic-aliphatic co-polyesters and polylactic acid. In *Polymer Degradation and Stability*, 2013, vol. 98, p. 2556 - 2563. (2.770 - IF2012). (2013 - Current Contents). ISSN 0141-3910.
- ADCA196 SANTANAKRISHNAN, Sandhya - STACH, Marek - LACÍK, Igor - HUTCHINSON, Robin A. Aqueous-phase copolymerization of N-vinylpyrrolidone and N-vinylformamide. In *Macromolecular Chemistry and Physics*, 2012, vol. 213, p. 1330 - 1338. (2.361 - IF2011). (2012 - Current Contents). ISSN 1022-1352.
- ADCA197 SARI-BEY, Sana - FOIS, Magali - KRUPA, Igor - IBOS, Laurent - BENYOUCEF, Boumédiene - CANDAU, Yves. Thermal characterization of polymer matrix composites containing microencapsulated paraffin in solid or liquid state. In *Energy Conversion and Management*, 2014, vol. 78, p. 796-804. (3.590 - IF2013). (2014 - Current Contents). ISSN 0196-8904.
- ADCA198 SAS, Samuel - DANKO, Martin - LANG, Kamil - BUJDÁK, Juraj. Photoactive hybrid material based on kaolinite intercalated with a reactive fluorescent silane. In *Applied Clay Science*, 2015, vol. 108, p. 208-214. (2.467 - IF2014). (2015 - Current Contents). ISSN 0169-1317.
- ADCA199 SEVER, Kutlay - TAVMAN, Ismail H. - SEKI, Yoldas - TURGUT, Alparslan - OMASTOVÁ, Mária - OZDEMIR, Ismail. Electrical and mechanical properties of expanded graphite/high density polyethylene nanocomposites. In *Composites Part B: Engineering*, 2013, vol. 53, p. 226 - 233. (2.143 - IF2012). (2013 - Current Contents). ISSN 1359-8368.
- ADCA200 SHAH, Rushita - KRONEKOVÁ, Zuzana - ZAHORANOVÁ, Anna - ROLLER, Ladislav - SAHA, Nabanita - SAHA, Petr - KRONEK, Juraj. In vitro

study of partially hydrolyzed poly(2-ethyl-2-oxazolines) as materials for biomedical applications. In *Journal of Materials Science: Materials in Medicine*, 2015, vol. 26, art.no. 157, 12p. (2.587 - IF2014). (2015 - Current Contents). ISSN 0957-4530.

- ADCA201 SCHENKMAYEROVÁ, Andrea - BUČKO, Marek - GEMEINER, Peter - TRELOVÁ, Dušana - LACÍK, Igor - CHORVÁT, Dušan Jr. - AČAI, Pavel - POLAKOVIČ, Milan - LIPTÁK, Lukáš - REBROŠ, Martin - ROSENBERG, Michal - ŠTEFUCA, Vladimír - NEDELA, Vilém - TIHLAŘÍKOVÁ, Eva. Physical and bioengineering properties of polyvinyl alcohol lens-shaped particles versus spherical polyelectrolyte complex microcapsules as immobilisation matrices for a whole-cell Baeyer-Villiger monooxygenase. In *Applied Biochemistry and Biotechnology*, 2014, vol. 174, p. 1834-1849. (1.687 - IF2013). (2014 - Current Contents). ISSN 0273-2289.
- ADCA202 SCHENKMAYEROVÁ, Andrea - BUČKO, Marek - GEMEINER, Peter - CHORVÁT, Dušan Jr. - LACÍK, Igor. Viability of free and encapsulated *Escherichia coli* overexpressing cyclopentanone monooxygenase monitored during model Bayer-Villiger biooxidation by confocal laser scanning microscopy. In *Biotechnology Letters*, 2012, vol. 34, p. 309 - 314. (1.683 - IF2011). (2012 - Current Contents). ISSN 0141-5492.
- ADCA203 SCHROOTEN, Jens - LACÍK, Igor - STACH, Marek - HESSE, Pascal - BUBACK, Michael. Propagation kinetics of the radical polymerization of methylated acrylamides in aqueous solution. In *Macromolecular Chemistry and Physics*, 2013, vol. 214, p. 2283 - 2294. (2.386 - IF2012). (2013 - Current Contents). ISSN 1022-1352.
- ADCA204 SINGLA, Pankil - MEHTA, Rajeev - BEREK, Dušan - UPADHYAY, S.N. Microwave assisted synthesis of poly(lactic acid) and its characterization using size exclusion chromatography. In *Journal of Macromolecular Science : Part A: Pure & Applied Chemistry*, 2012, vol. 49, iss. 11, p. 963-970. (0.887 - IF2011). (2012 - Current Contents). ISSN 1060-1325.
- ADCA205 SINGLA, Pankil - MEHTA, Rajeev - BEREK, Dušan - UPADHYAY, Siddh N. Ring opening polymerization of lactide in a monomode microwave using stannous octoate and dibutyltin dimethoxide catalysis. In *Journal of Macromolecular Science : Part A: Pure & Applied Chemistry*, 2014, vol. 51, iss. 4, p. 350 - 361. (0.740 - IF2013). (2014 - Current Contents). ISSN 1060-1325.
- ADCA206 SKALKOVÁ, Petra - ČÍŽOVÁ, Alžbeta - JOCHEC MOŠKOVÁ, Daniela - JANIGOVA, Ivica. LDPE/glucoronoxylan blends : Preparation and study of thermal and mechanical properties. In *Cellulose Chemistry and Technology*, 2012, vol. 46, no. 1-2, p.69 - 77. (0.550 - IF2011). (2012 - Current Contents). ISSN 0576-9787.
- ADCA207 SLOUF, Miroslav - KOTEK, Jiri - BALDRIAN, Josef - KOVAROVA, Jana - FENCL, Jaroslav - BOUDA, Tomas - JANIGOVA, Ivica. Comparison of one-step and sequentially irradiated ultrahigh-molecular-weight polyethylene for total joint replacements. In *Journal of Biomedical Materials Research Part B: Applied Biomaterials*, 2013, vol. 101B, p. 414-422. (2.308 - IF2012). (2013 - Current Contents). ISSN 1552-4973.

- ADCA208 SOBOLČIAK, Patrik - ŠPÍREK, Mário - KATRLÍK, Jaroslav - GEMEINER, Peter - LACÍK, Igor - KASÁK, Peter. Light-switchable polymer from cationic to zwitterionic form: Synthesis, characterization, and interactions with DNA and bacterial cells. In *Macromolecular Rapid Communications*, 2013, vol. 34, p. 635 - 639. (4.929 - IF2012). (2013 - Current Contents). ISSN 1022-1336.
- ADCA209 STLOUKAL, Petr - VERNEY, Vincent - COMMEREUC, Sophie - RYCHLÝ, Jozef - MATISOVÁ - RYCHLÁ, Lýdia - PIS, Vladimír - KOUTNY, Marek. Assessment of the interrelation between photooxidation and biodegradation of selected polyesters after artificial weathering. In *Chemosphere*, 2012, vol. 88, p. 1214 - 1219. (3.206 - IF2011). (2012 - Current Contents). ISSN 0045-6535.
- ADCA210 SZYMCZYK, Anna - PASZKIEWICZ, Sandra - PAWELEC, Iwona - LISIECKI, Slawomir - JOTKO, Marek - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav - ROSLANIEC, Zbigniew. Oxygen barrier properties and melt crystallization behavior of poly(ethylene terephthalate)/graphene oxide nanocomposites. In *Journal of Nanomaterials*, 2015, vol. 2015, art ID 382610, 10 p. (1.644 - IF2014). (2015 - Current Contents). ISSN 1687-4110.
- ADCA211 ŠAGÁTOVÁ, A. - ZAŤKO, Bohumír - SEDLÁČKOVÁ, K. - NEČAS, V. - DUBECKÝ, František - BOHÁČEK, Pavol - CHODÁK, Ivan. Semi-insulating GaAs detectors optimized for fast neutron detection. In *Journal of Instrumentation*, 2013, vol. 8, c03016. (1.656 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1748-0221.
- ADCA212 ŠAUŠA, Ondrej - MAJERNÍK, Vladimír - ILLEKOVÁ, Emília - MACOVÁ, Eva - BEREK, Dušan. Thermal expansion of free-volume in hexadecane confined in the silica gel nanopores. In *Acta Physica Polonica A*, 2014, vol. 125, no. 3, p. 798-800. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA213 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - CORRADINI, Danilo - BEREK, Dušan. Liquid chromatography of synthetic polymers under critical conditions of enthalpic interactions.4: Sample recovery. In *Journal of Separation Science*, 2013, vol. 36, p. 2979 - 2985. (2.591 - IF2012). (2013 - Current Contents). ISSN 1615-9306.
- ADCA214 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - BEREK, Dušan. Liquid chromatography under limiting conditions of desorption 4 separation of blends containing low-solubility polymers. In *European Polymer Journal*, 2012, vol. 48, p. 155 - 168. (2.739 - IF2011). (2012 - Current Contents). ISSN 0014-3057.
- ADCA215 ŠKOVVRANOVÁ, Lubica - BORSIG, Eberhard - STRELLER, Rouven - THOMANN, Ralf - MULHAUPT, Rolf - UJHELYIOVÁ, Anna - BEREK, Dušan - PATSIGA, Robert A. Polypropylene + boehmite nanocomposite fibers. In *Journal of Polymer Engineering*, 2012, vol.32, p. 445 - 451. (0.397 - IF2011). (2012 - Current Contents). ISSN 0334-6447.
- ADCA216 ŠPITALSKÝ, Zdenko - KRATOCHVÍLA, Ján - CSOMOROVÁ, Katarína - KRUPA, Igor - GRACA, Manuel P. F. - COSTA, Louis C. Mechanical and

electrical properties of styrene-isoprene-styrene copolymer doped with exfoliated graphite nanoplatelets. In *Journal of Nanomaterials*, 2015, vol. 2015, art ID 168485, 9 p. (1.644 - IF2014). (2015 - Current Contents). ISSN 1687-4110.

ADCA217 ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej - ISKROVÁ - MIKLOŠOVIČOVÁ, Martina - MAJERNÍK, V. - KRIŠTIÁK, Jozef - BARTOŠ, Josef. On the relationships between guest molecular dynamics and free volume in a series of small molecular and polymer glass-formers. In *Chemical Physics Letters*, 2012, vol. 539 - 540, p. 39 - 44. (2.337 - IF2011). (2012 - Current Contents). ISSN 0009-2614.

ADCA218 TABAČIAROVÁ, Jana - MIČUŠÍK, Matej - FEDORKO, Pavol - OMASTOVÁ, Mária. Study of polypyrrole aging by XPS, FTIR and conductivity measurements. In *Polymer Degradation and Stability*, 2015, vol. 120, p. 392-401. (3.163 - IF2014). (2015 - Current Contents). ISSN 0141-3910.

ADCA219 TAVMAN, I. - KRUPA, Igor - OMASTOVÁ, Mária - SARIKANAT, M. - NOVÁK, Igor - SEVER, K. - OZDEMIR, I. - SEKI, Y. - PODHRADSKÁ, Silvia - JOCHEC MOŠKOVÁ, Daniela - ERBAY, E. - GUNER, F. Effects of conductive graphite filler loading on physical properties of high-density polyethylene composite. In *Polymer Composites*, 2012, vol. 33, iss. 7, p. 1071 - 1076. (1.231 - IF2011). (2012 - Current Contents). ISSN 0272-8397.

ADCA220 TEIXEIRA, S. Soreto - GRACA, M.P.F. - DIONISIO, M. - ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - ŠPITALSKÝ, Zdenko - KRUPA, Igor - COSTA, L.C. Self-standing elastomeric composites based on lithium ferrites and their dielectric behavior. In *Journal of Applied Physics*, 2014, vol. 116, art.no. 224102 [8p.]. (2.185 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.

ADCA221 TORRAS, N. - ZINOVIEV, K. E. - CAMARGO, C. J. - CAMPO, Eva M. - CAMPANELLA, H. - ESTEVE, J. - MARSHALL, J. E. - TERENTJEV, E. M. - OMASTOVÁ, Mária - KRUPA, Igor - TEPLICKÝ, P. - MAMOJKA, M. - BRUNS, P. - ROEDER, B. - VALLRIBERA, M. - MALET, R. - ZUFFANELLI, S. - SOLER, V. - ROIG, J. - WALKER, N. - WENN, D. - VOSSEN, F. - CROMPVOETS, F. M. H. Tactile device based on opto-mechanical actuation of liquid crystal elastomers. In *Sensors and Actuators A-Physical*, 2014, vol. 208, p. 104-112. (1.943 - IF2013). (2014 - Current Contents). ISSN 0924-4247.

ADCA222 UHELSKÁ, Lucia - CHORVÁT, Dušan - HUTCHINSON, Robin A. - SANTANAKRISHNAN, Sandhya - BUBACK, Michael - LACÍK, Igor. Radical propagation kinetics of N-vinylpyrrolidone in organic solvents studied by pulsed-laser polymerization-size-exclusion chromatography (PLP-SEC). In *Macromolecular Chemistry and Physics*, 2014, vol. 215, p. 2327-2336. (2.451 - IF2013). (2014 - Current Contents). ISSN 1022-1352.

ADCA223 VAITHILINGHAM, Vijayaganapathy - HLOUŠKOVÁ, Gabriela - QI, Meirigeng - LARSSON, Rolf - LACÍK, Igor - FORMO, Kjetil - MARCHESE, Enza - OBERHOLZER, Jose - GUILLEMIN, Gilles J. - TUCH, Bernard E. Beneficial effects of coating alginate microcapsules with macromolecular heparin conjugates -

In vitro and In vivo study. In *Tissue engineering : Part A*, 2014, vol. 20, no. 1-2, p. 324-334. (4.254 - IF2013). ISSN 1076-3279.

- ADCA224 VALENTOVÁ, Helena - ILČÍKOVÁ, Markéta - CZANIKOVÁ, Klaudia - ŠPITALSKÝ, Zdenko - ŠLOUF, Miroslav - NEDBAL, Jan - OMASTOVÁ, Mária. Dynamic mechanical and dielectric properties of ethylene vinyl acetate/carbon nanotube composites. In *Journal of Macromolecular Science : Part B: Physics*, 2014, vol. 53, no. 3, p. 496-512. (0.619 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0022-2348.
- ADCA225 VÉGSO, Karol - ŠIFFALOVIČ, Peter - JERGEL, Matej - WEIS, Martin Jr. - MAJKOVÁ, Eva - LUBY, Štefan - CAPEK, Ignác - BUFFET, Adeline - ROTH, Stephan V. A non-equilibrium transient phase revealed by in situ GISAXS tracking of the solvent-assisted nanoparticle self-assembly. In *Journal of Nanoparticle Research*, 2014, vol. 16, p. 2536. (2.278 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1388-0764.
- ADCA226 VÉGSO, Karol - ŠIFFALOVIČ, Peter - JERGEL, Matej - MAJKOVÁ, Eva - KOCSISOVÁ, Teodora - BENKOVIČOVÁ, Monika - LUBY, Štefan - CAPEK, Ignác - PERLICH, J. - ROTH, V. Application of the paracrystal model to GISAXS analysis of the 3D self-assembled nanoparticle crystals. In *Physica Status Solidi B*, 2014, vol. 251, no. 6, p. 1169-1177. (1.605 - IF2013). (2014 - Current Contents). ISSN 0370-1972.
- ADCA227 VÉGSO, Karol - ŠIFFALOVIČ, Peter - BENKOVIČOVÁ, Monika - JERGEL, Matej - LUBY, Štefan - MAJKOVÁ, Eva - CAPEK, Ignác - KOCSISOVÁ, Teodora - PERLICH, J. - ROTH, S.V. GISAXS analysis of 3D nanoparticle assemblies-effect of vertical nanoparticle ordering. In *Nanotechnology*, 2012, vol. 23, no. 4, 045704. (3.979 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0957-4484.
- ADCA228 VÉGSO, Karol - ŠIFFALOVIČ, Peter - JERGEL, Matej - WEIS, Martin Jr. - BENKOVIČOVÁ, Monika - MAJKOVÁ, Eva - LUBY, Štefan - KOCSIS, Teodora - CAPEK, Ignác. Silver nanoparticle monolayer-to-Bilayer transition at the air/water interface as studied by the GISAXS technique: Application of a new paracrystal model. In *Langmuir*, 2012, vol. 28, no. 25, p. 9395-9404. (4.186 - IF2011). (2012 - Current Contents). ISSN 0743-7463.
- ADCA229 VEISEH, Omid - DOLOFF, Joshua C. - MA, Minglin - VEGAS, Arturo J. - TAM, Hok Hei - BADER, Andrew R. - LI, Jie - LANGAN, Erin - WYCKOFF, Jeffrey - LOO, Whitney S. - JHUNJHUNWALA, Siddharth - CHIU, Alan - SIEBERT, Sean - TANG, Katherine - HOLLISTER-LOCK, Jennifer - ARESTA-DASILVA, Stephanie - BOCHENEK, Matthew - MENDOZA-ELIAS, Joshua - WANG, Yong - QI, Merigeng - LAVIN, Danya M. - CHEN, Michael - DHOLAKIA, Nimit - THAKRAR, Raj - LACÍK, Igor - WEIR, Gordon C. - OBERHOLZER, Jose - GREINER, Dale L. - LANGER, Robert - ANDERSON, Daniel G. Size- and shape-dependent foreign body immune response to materials implanted in rodents and non-human primates. In *Nature Materials*, 2015, vol. 14, p. 643-651. (36.503 - IF2014). (2015 - Current Contents). ISSN 1476-1122.

ADCA230 VEVERKA, Miroslav - DUBAJ, Tibor - GALLOVIČ, Ján - JORÍK, Vladimír - VEVERKOVÁ, Eva - MICUŠÍK, Matej - ŠIMON, Peter. Beta-glucan complexes with selected nutraceuticals: Synthesis, characterization, and stability. In *Journal of Functional Foods*, 2014, vol. 8, p. 309-318. (4.480 - IF2013). (2014 - Current Contents). ISSN 1756-4646.

ADCA231 VILČÁKOVÁ, Jarmila - MOUČKA, Robert - SVOBODA, Petr - ILČÍKOVÁ, Markéta - KAZANTSEVA, Natalia - HŘIBOVÁ, Martina - MICUŠÍK, Matej - OMASTOVÁ, Mária. Effect of surfactants and manufacturing methods on the electrical and thermal conductivity of carbon nanotube/silicone composites. In *Molecules*, 2012, vol.17, p. 13157 - 13174. (2.386 - IF2011). (2012 - Current Contents). ISSN 1420-3049.

ADCA232 WINTER, Allen D. - CZANIKOVÁ, Klaudia - LARIOS, Eduardo - VISHNYAKOV, Vladimir - JAYE, Chernob - FISCHER, Daniel A. - OMASTOVÁ, Mária - CAMPO, Eva M. Interface dynamics in strained polymer nanocomposites: Stick-slip wrapping as a prelude to mechanical backbone twisting derived from sonication-induced amorphization. In *Journal of Physical Chemistry C*, 2015, vol. 119, no. 34, p. 20091-20099. (4.772 - IF2014). (2015 - Current Contents). ISSN 1932-7447.

ADCA233 WINTER, A. Douglas - LARIOS, Eduardo - ALAMGIR, Faisal M. - JAYE, Chernob - FISCHER, Daniel A. - OMASTOVÁ, Mária - CAMPO, Eva M. Thermo-active behavior of ethylene-vinyl acetate. I. Multiwall carbon nanotube composites examined by in situ near-edge X-ray absorption fine-structure spectroscopy. In *Journal of Physical Chemistry C*, 2014, vol. 118, p. 3733-3741. (4.835 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1932-7447.

ADCA234 WITTENBERG, Nils F. G. - BUBACK, Michael - STACH, Marek - LACÍK, Igor. Chain transfer to 2-mercaptoethanol in methacrylic acid polymerization in aqueous solution. In *Macromolecular Chemistry and Physics*, 2012, vol. 213, p. 2653 - 2658. (2.361 - IF2011). (2012 - Current Contents). ISSN 1022-1352.

ADCB Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted)

ADCB01 CAPEK, Ignác. Polymer-decorated plasmonic nanoparticles. In *Polymer - Plastics Technology and Engineering*, 2015, vol. 54, iss.14, p. 1513-1523. (2015 - Current Contents). ISSN 0360-2559.

ADCB02 HANUSOVÁ, Jana - KOVÁČIK, Dušan - STUPAVSKÁ, Monika - ČERNÁK, Mirko - NOVÁK, Igor. Atmospheric pressure plasma treatment of polyamide-12 foils. In *Open Chemistry*, 2015, vol. 13, p. 382-388. (2015 - Current Contents, WOS). ISSN 2391-5420.

ADCB03 WINTER, A. D. - JAYE, C. - FISCHER, D. - OMASTOVÁ, Mária - CAMPO, E. M. Prestrain relaxation in non-covalently modified ethylene-vinyl acetate/PyChol/multiwall carbon nanotube nanocomposites. In *APL materials* [elektronický zdroj], 2014, vol. 2, p. 066105. ISSN 2166-532X.

ADDA Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)

- ADDA01 BUČKO, Marek - MISLOVIČOVÁ, Danica - NAHÁLKA, Jozef - VIKARTOVSKÁ, Alica, Welwardová - ŠEFČOVIČOVÁ, Jana - KATRLÍK, Jaroslav - TKÁČ, Ján - GEMEINER, Peter - LACÍK, Igor - ŠTEFUCA, Vladimír - POLAKOVIČ, Milan - ROSENBERG, Michal - REBROŠ, Martin - ŠMOGROVIČOVÁ, Daniela - ŠVITEL, Juraj. Immobilization in biotechnology and biorecognition: from macro- to nanoscale systems. In *Chemical papers*, 2012, vol. 66, no. 11, p. 983 - 998. (1.096 - IF2011). (2012 - Current Contents). ISSN 0366-6352.
- ADDA02 BÚZOVÁ, Diana - KASÁK, Peter - MIŠKOVSKÝ, P. - JANCURA, D. Solubilization of poorly soluble photosensitizer hypericin by polymeric micelles and polyethylene glycol. In *General Physiology and Biophysics*, 2013, vol. 32, iss.2, p. 201 - 208. (0.852 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0231-5882.
- ADDA03 DANKO, Martin - MIČUŠÍK, Matej - OMASTOVÁ, Mária - BUJDÁK, Juraj - CHORVÁT, Dušan Jr. Spectral characterisation of new organic fluorescent dyes with an alkoxysilane moiety and their utilisation for the labelling of layered silicates. In *Chemical papers*, 2013, vol. 67, no. 1, p. 18-28. (0.879 - IF2012). (2013 - Current Contents). ISSN 0366-6352.
- ADDA04 KRONEK, Juraj - NEDELČEV, Tomáš - MIKULEC, Marcel - KLEINOVÁ, Angela - LUSTOŇ, Jozef. Synthesis of cinnamic acid-derived 4,5-dihydrooxazoles. In *Chemical Papers*, 2013, vol. 67, no. 11, p. 1424 - 1432. (0.879 - IF2012). (2013 - Current Contents). ISSN 0366-6352.
- ADDA05 MOSNÁČEK, Jaroslav - LUKÁČ, Ivan - BERTOLDO, Monica - CIARDELLI, Francesco. Applicability of photochemically generated pendant benzoyl peroxides in both grafting from an grafting to techniques. In *Chemical Papers*, 2013, vol. 67, no. 1, p. 9 - 17. (0.879 - IF2012). (2013 - Current Contents). ISSN 0366-6352.
- ADDA06 MOSNÁČKOVÁ, Katarína - CHEHIMI, M.M. - FEDORKO, P. - OMASTOVÁ, Mária. Polyamide grafted with polypyrrole: formation, properties, and stability. In *Chemical Papers*, 2013, vol. 67, no. 8, p. 979 - 994. (0.879 - IF2012). (2013 - Current Contents). ISSN 0366-6352.
- ADDA07 MOUČKA, Robert - MRLÍK, Miroslav - ILČÍKOVÁ, Markéta - ŠPITALSKÝ, Zdenko - KAZANTSEVA, Natalia - BOBER, Patrycja - STEJSKAL, Jaroslav. Electrical transport properties of poly(aniline-co-p-phenylenediamine) and its composites with incorporated silver particles. In *Chemical Papers*, 2013, vol. 67, no. 8, p. 1012 - 1019. (0.879 - IF2012). (2013 - Current Contents). ISSN 0366-6352.
- ADDA08 OMASTOVÁ, Mária - MIČUŠÍK, Matej. Polypyrrole coating of inorganic and organic materials by chemical oxidative polymerisation. In *Chemical papers*, 2012, vol. 66, no. 5, p. 392 - 414. (1.096 - IF2011). (2012 - Current Contents). ISSN 0366-6352.

ADEB Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)

- ADEB01 CAPEK, Ignác. On biodecorated gold nanoparticles distributed within tissues and cells. In *Journal of Nanomedicine Research : open access journal*, 2015, vol. 2, iss. 1, art.no. 00020. ISSN 2377-4282.
- ADEB02 CAPEK, Ignác. Plasmonic nanoparticle and their conjugates: Preparation, optical properties and antimicrobial activity. In *Journal of Nanotechnology and Materials Science : open access*, 2015, vol. 2, iss. 1, p. 1-18. ISSN 2377-1372.
- ADEB03 CAPEK, Ignác. Smart biodecorated hybrid nanoparticles. In *Current Bionanotechnology*, 2015, vol. 1, no. 1, p. 60-78. ISSN 2213-5294.
- ADEB04 HURAN, Jozef - PERNÝ, M. - MIKOLÁŠEK, M. - ŠÁLY, V. - KOBZEV, A.P. - KLEINOVÁ, Angela. Elektrická a štruktúrálna charakterizácia heteroštruktúr tenkých vrstiev na báze uhlíka pripravených na kremíku pre fotovoltacké aplikácie. In *Jemná mechanika a optika : vedecko - technický časopis*, 2013, vol. 58, p. 67-70. ISSN 0447-6441.
- ADEB05 NÉMETHOVÁ, Veronika - LACÍK, Igor - RÁZGA, Filip. Vibration technology for microencapsulation: The restrictive role of viscosity. In *Journal of Bioprocessing and Biotechniques : an open access journal*, 2015, vol. 5, iss. 1, art.no. 1000199. ISSN 2155-9821.
- ADEB06 NOVÁK, Igor - MICHALEC, Ivan - VALENTIN, Marian - MARÔNEK, Milan - ŠOLTĚS, Ladislav - MATYAŠOVSKÝ, Ján - JURKOVIČ, Peter. Steel surface modification. In *Science Journal of Volgograd State University : Technology and Innovations*, 2014, vol. 12, no. 3, p. 47-55. ISSN 2305-7815.
- ADEB07 RYCHLÝ, Jozef - RYCHLÁ, Lýdia - CSOMOROVÁ, Katarína. Characterisation of materials burning by a cone calorimeter : 1 Pure polymers. In *Journal of Materials Science and Engineering A*, 2012, vol. 2, no. 2, p. 174 - 182. ISSN 2161-6213.
- ADEB08 RYCHLÝ, Jozef - HUDÁKOVÁ, Martina - RYCHLÁ, Lýdia - JANIGOVÁ, Ivica - CSOMOROVÁ, Katarína - CHODÁK, Ivan. Magnesium hydroxide and magnesium oxide in oxidation and burning of polypropylene. In *Journal of Scientific Research & Reports*, 2014, vol. 3, no. 6, p. 772-776. ISSN 2320-0227.
- ADEB09 SALMI, Zakaria - EPAPE, Candy - MAHOUCHE-CHERGUI, Samia - CARBONNIER, Benjamin - OMASTOVÁ, Mária - CHEHIMI, Mohamed M. Multiwalled carbon nanotube-clicked poly(4-vinyl pyridine) as a hairy platform for the immobilization of gold nanoparticles. In *Journal of Colloid Science and Biotechnology*, 2013, vol. 2, p. 53 - 61. ISSN 2164-9634.

ADMA Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus

- ADMA01 GEORGOUSIS, G. - PANDIS, C. - KALAMITIS, A. - GEORGIOPOULOS, P. - KYRITSIS, A. - KONTOU, E. - PISSIS, P. - MIČUŠÍK, Matej - OMASTOVÁ, Mária. Strain sensing in polymer/carbon nanotube composites by electrical

resistance measurement. In *Procedia Engineering : Proc. Euroensors XXVI, September 9 -12, 2012, Kraków, Poland, 2012*, vol. 47, p. 774 - 777.

ADMA02 PASZKIEWICZ, Sandra - NACHMAN, Malgorzata - SZYMCZYK, Anna - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav - ROSLANIEC, Zbigniew. Influence of expanded graphite (EG) and graphene oxide (GO) on physical properties of PET based nanocomposites. In *Polish journal of chemical technology*, 2014, vol.16, no.4, p. 45-50. (0.474 - IF2013). ISSN 1509-8117.

ADMA03 PASZKIEWICZ, Sandra - SZYMCZYK, Anna - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav - JANUS, Ewa - ROSLANIEC, Zbigniew. Wpływ dodatku ekspandowanego grafitu (EG) na przebieg syntezy i charakterystykę poli(tereftalanu etylenu) modyfikowanego 1,4-cykloheksanodimetanolem (PETG). In *POLIMERY-W*, 2013, vol. 58, nr. 11 - 12, p. 893 - 899. (0.470 - IF2012). ISSN 0032-2725.

ADMB Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus

ADMB01 BUZOVA, Diana - HUNTOSOVA, Veronika - KASÁK, Peter - PETROVAJOVA, Dana - JONIOVA, Jaroslava - DZUROVA, Lenka - NADOVA, Zuzana - SUREAU, Franck - MISKOVSKY, Pavol - JANCURA, Daniel. Towards increased selectivity of drug delivery to cancer cells: Development of a LDL-based nanodelivery system for hydrophobic photosensitizers. In *Proceedings of SPIE : Biosensing and Nanomedicine V*, 2012, vol. 8460, [10] p.

ADMB02 CAPEK, Ignác. Preparation and functionalization of gold nanoparticles. In *Journal of Surface Science and Technology*, 2013, vol. 29, no. 3-4, p. 1-18. (2013 - SCOPUS). ISSN 0970-1893.

ADMB03 CZANIKOVÁ, Klaudia - ŠPITALSKÝ, Zdenko - KRUPA, Igor - OMASTOVÁ, Mária. Electrical and mechanical properties of ethylene vinyl acetate based composites. In *Materials Science Forum*, 2012, vol. 714, p. 193 - 199. ISSN 0255-5476.

ADMB04 CZANIKOVÁ, Klaudia - KRUPA, Igor - RAČKO, Dušan - ŠMATKO, Vasilij - CAMPO, Eva M. - PAWLOVA, Eva - OMASTOVÁ, Mária. In situ electron microscopy of Braille microsystems: photoactuation of ethylene vinyl acetate/carbon nanotube composites. In *Materials Research Express*, 2015, vol. 2, art.no. 025601. (2015 - SCOPUS). ISSN 2053-1591.

ADMB05 DWORAK, Andrzej - TRZEBICKA, Barbara - KOWALCZUK, Agnieszka - UTRATA-WESOLEK, Alicja - WALACH, Wojciech - LIBERA, Marcin - KRONEK, Juraj. Termoczułe polimery gwiazdowe - synteza i właściwości. In *Polimery*, 2012, tom. 57, nr. 6, p. 441 - 448. ISSN 0032-2725.

ADMB06 ILČÍKOVÁ, Markéta - CZANIKOVÁ, Klaudia - MOSNÁČEK, Jaroslav - MIČUŠÍK, Matej - KASÁK, Peter - OMASTOVÁ, Mária - CHORVÁT, Dušan Jr. - KRUPA, Igor - ŠLOUF, Miroslav - KOYNOV, Kaloian. Photoactuating of materials designed for haptic aid-tablets for visually impaired people based on styrene-b-isoprene-b-styrene block copolymer nanocomposites = Fotoaktywacja

materialów opartych na nanokompozytach z kopolimerem blokowym styre-b-izopren-b-styren i przeznaczonych do tabletów haptycznych dla osób niedowidzących. In *Chemik : miesięcznik naukowo-techniczny*, 2013, tom. 67, nr. 3, p. 228 - 231. ISSN 0009-2886.

- ADMB07 KAUR, Paramjit - MEHTA, Rajeev - BEREK, Dušan - UPADHYAY, Siddh Nath. Synthesis of polylactide under inert atmosphere and vacuum. In *Macromolecular Symposia*, 2012, vol. 315, p. 106 - 111. ISSN 1022-1360.
- ADMB08 KLEINOVÁ, Angela - HURAN, Jozef - SASINKOVÁ, Vlasta - PERNÝ, M. - ŠÁLY, V. - PACKA, J. FTIR spectroscopy of silicon carbide thin films prepared by PECVD technology for solar cell application. In *Proceedings of the SPIE*, 2015, vol. 9563, 95630U. (2015 - SCOPUS, WOS). ISSN 0277-786X.
- ADMB09 LACÍK, Igor. Current status on immunoprotection of transplanted islets: Focus on islet microencapsulation. In *Micro and Nanosystems*, 2013, vol. 5, no. 3, p. 168 - 176. (2013 - SCOPUS). ISSN 1876-4029.
- ADMB10 MAHOU, Redouan - HLOUŠKOVÁ, Gabriela - GONELLE - GISPERT, Carmen - MEIER, Raphael - SCHMITT, Frederic - TRAN, Nhu Mai - DUFRESNE, Murielle - ALTIMARI, Ilaria - LACÍK, Igor - BUHLER, Leo - JUIILLERAT - JEANNERET, Lucienne - LEGALLAIS, Cécile - WANDREY, Christine. Combined electrostatic and covalent polymer networks for cell microencapsulation. In *Macromolecular Symposia*, 2013, vol. 329, p. 49 - 57. ISSN 1022-1360.
- ADMB11 PASZKIEWICZ, Sandra - ROSLANIEC, Zbigniew - SZYMCZYK, Anna - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav. Morphology and thermal properties of expanded graphite (EG)/poly(ethylene terephthalate) (PET) nanocomposites. In *Chemik : miesięcznik naukowo-techniczny*, 2012, tom. 66, nr. 1, p. 21 - 30. (2012 - SCOPUS). ISSN 0009-2886.
- ADMB12 PISSIS, P. - GEORGOUSIS, G. - PANDIS, C. - GEORGIOPOULOS, P. - KYRITSIS, A. - KONTOU, E. - MICUŠÍK, Matej - CZANIKOVÁ, Klaudia - OMASTOVÁ, Mária. Strain and damage sensing in polymer composites and nanocomposites with conducting fillers. In *Procedia Engineering*, 2015, vol. 114, p. 590-597. (2015 - SCOPUS). ISSN 1877-7058.
- ADMB13 POPELKA, Anton - KRUPA, Igor - NOVÁK, Igor - OUEDERNI, Mabrouk - ABDULAQDER, Fatima - AL-YAZEDI, Shrooq - AL-GUNAID, Taghreed - AL-SENANI, Thuraya. Adhesion improvement between polyethylene and aluminium using eco-friendly plasma treatment. In *Mema 2015 : TMS Middle East - Mediterranean Materials Congress on Energy and Infrastructure Systems : Doha, Qatar, January 11-15, 2015 : program and abstracts*. - Doha, Qatar : University of Qatar, 2015, p. 267-271.
- ADMB14 QI, Meirigeng - MCGARRIGLE, James J. - WANG, Yong - MARCHESE, Enza - BOCHENEK, Matthew A. - VACA, Pilar - DAVIS, Maureen E. - AHN, Sang Joon - SCHWARTZ, Alexander - STRAND, Berit - LACÍK, Igor - OBERHOLZER, José. Transplantation of pancreatic islets immobilized in

alginate-based microcapsules : From animal studies to clinical trials. In *Micro and Nanosystems*, 2013, vol. 5, no. 3, p. 186 - 193. (2013 - SCOPUS). ISSN 1876-4029.

- ADMB15 RAČKO, Dušan. On the relationship of the relative intensity I₃ and a cavity number as obtained from computer simulations. In *Materials Science Forum*, 2013, vol. 733, p. 183-189. (2013 - WOS, SCOPUS). ISSN 0255-5476.
- ADMB16 RAČKO, Dušan - KRIŠTIÁK, Jozef. The free volume dynamics. In *Materials Science Forum*, 2013, vol. 733, p. 33 - 37. (2013 - WOS, SCOPUS). ISSN 0255-5476.
- ADMB17 SASINKOVÁ, Vlasta - HURAN, Jozef - KLEINOVÁ, Angela - BOHÁČEK, Pavol - ARBET, Juraj - SEKÁČOVÁ, Mária. Raman spectroscopy study of SiC thin films prepared by PECVD for solar cell working in hard environment. In *Proceedings of the SPIE*, 2015, vol. 9563, 95630V. (2015 - SCOPUS, WOS). ISSN 0277-786X.
- ADMB18 ŠAUŠA, Ondrej - MAŤKO, Igor - MACOVÁ, Eva - BEREK, Dušan. Confined water in controlled pore glass CPG-10-120 studied by positron annihilation lifetime spectroscopy and differential scanning calorimetry. In *Journal of Physics: Conference Series*, 2015, vol. 618, art.no. 012041. (2015 - WOS, SCOPUS). ISSN 1742-6588.
- ADMB19 ŠAUŠA, Ondrej - ILLEKOVÁ, Emília - KRIŠTIÁK, Jozef - BEREK, Dušan - MACOVÁ, Eva. PALS and DSC study of nanopores partially filled by hexadecane. In *Journal of Physics: Conference Series*, 2013, vol.443, 012059. (2013 - WOS, SCOPUS). ISSN 1742-6588.
- ADMB20 WINTER, Allen D. - JAYE, Chernob - FISCHER, Daniel - OMASTOVÁ, Mária - CAMPO, Eva M. Molecular disorder in prestrained nanocomposites: Effects of processing on durability of thermally-active ethylene-vinyl acetate /PyChol/ multiwall carbon nanotubes. In *Materials Research Society Symposium Proceedings*, 2015, vol. 1718, p. 21-26. (2015 - SCOPUS). ISSN 0272-9172.
- ADMB21 WINTER, A. Douglas - LARIOS, Eduardo - JAYE, Chernob - FISCHER, Daniel A. - OMASTOVÁ, Mária - CAMPO, Eva M. Thermo-active polymer nanocomposites: a spectroscopic study. In *Proceedings of the SPIE : Nanoengineering: Fabrication, properties, optics, and devices XI.*, 2014, vol. 9170, art.no. 917003. (2014 - SCOPUS). ISSN 0277-786X.
- ADMB22 YANG, Yu - DLUBEK, Gunter - BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena - KRAUSE-REHBERG, Reinhard. Relationships between positron lifetime and dynamics of polymers. In *Materials Science Forum*, 2013, vol. 733, p. 179 - 182. (2013 - WOS, SCOPUS). ISSN 0255-5476.

ADNA Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus

- ADNA01 HURAN, Jozef - VALOVIČ, Albín - KUČERA, Michal - KLEINOVÁ, Angela - KOVÁČOVÁ, Eva - BOHÁČEK, Pavol - SEKÁČOVÁ, Mária. Hydrogenated amorphous silicon carbon nitride films prepared by PECVD

technology: properties. In *Journal of Electrical Engineering*, 2012, vol. 65, p. 333-335. (0.370 - IF2011). (2012 - INSPEC, SCOPUS). ISSN 1335-3632.

AEC Scientific papers in foreign peer-reviewed proceedings, monographs

- AEC01 CAPEK, Ignác - CAPEK, Peter. Decoration of noble metal nanoparticles by aptamers and oligosaccharides. In *Proceedings of the 9th International Conference on Polysaccharides-Glycoscience, 6th-8th November 2013, Prague, Czech Republic*, p. 88-92. - Praha : Czech Chemical Society, 2013. ISBN 978-80-86238-58-6.
- AEC02 FLORIÁN, Štěpán - NOVÁK, Igor - POPELKA, Anton - CHODÁK, Ivan - ŠPÍRKOVÁ, Milena - KLEINOVÁ, Angela - VANKO, Vladimír. Polyamid 12 povrchovo upravený koplanárnou atmosférickou plazmou. In *CCT 2013: 44th International Conference on Coatings Technology : Pardubice, Czech Republic, May 20 - 22, 2013 : conference proceedings*. - Pardubice, Czech Republic : University of Pardubice, 2013, vol. 44, P. 243 - 250. ISBN 978-80-7395-627-1.
- AEC03 JURKOVIČ, Peter - MATYŠOVSKÝ, Ján - DUCHOVIČ, Peter - NOVÁK, Igor. Preparation and properties of animal protein hydrolysates for optimal adhesive compositions. In *News in chemistry, biochemistry and biotechnology : state of the art and prospects of development*. Editors: Gennady E. Zaikov, Grzegorz Nyszko, Larisa P. Krylova and Sergei D. Varfolomeev. - Hauppauge : Nova Science Publishers, 2014, chapter. 9, P. 96 - 100. ISBN 978-1631172731.
- AEC04 JURKOVIČ, Peter - MATYŠOVSKÝ, Ján - DUCHOVIČ, Peter - NOVÁK, Igor. Preparation and properties of animal protein hydrolysates for optimal adhesive compositions. In *Key engineering materials*. Volume I. Current state of the art on novel materials. Edited by Devrim Balköse, Daniel Horak, and Ladislav Šoltés. - Toronto : Apple Academic Press, 2014, p. 1-6. ISBN 978-1-926895-73-4.
- AEC05 KOSTELANSKÁ, Katarína - SROKOVÁ, Iva - RYCHLÁ, Lýdia - HROMÁDKOVÁ, Zdenka - SASINKOVÁ, Vlasta - CSOMOROVÁ, Katarína - EBRINGEROVÁ, Anna. Optimal synthesis and characterization of antioxidative activity of hydrophobically modified HEC esters. In *Modern Polymeric Materials for Environmental Applications : 5th International Seminar including COST Mp1105 Workshop : Kraków, Poland, 15 - 17 May 2013*. - Kraków, Poland : Wydawnictwo Naukowo-Techniczne TEZA, 2013, vol. 5, iss.1, P. 231 - 238. ISBN 978-83-930641-2-0.
- AEC06 MATYASOVSKÝ, Jan - JURKOVIC, Peter - DUCHOVIC, Peter - DUCHOVIC, Pavol - SEDLIACIK, Jan - NOVÁK, Igor. Possibilities of application of collagen coloid from secondary raw materials as modifier of polycondensation adhesives. In *Key engineering materials*. Volume I. Current state of the art on novel materials. Edited by Devrim Balköse, Daniel Horak, and Ladislav Šoltés. - Toronto : Apple Academic Press, 2014, p. 15-24. ISBN 978-1-926895-73-4.
- AEC07 MATYASOVSKÝ, Ján - JURKOVIČ, Peter - SEDLIČIK, Ján - NOVÁK, Igor. Possibilities of application of collagen coloid from secondary raw materials as a modifier of polycondensation adhesives. In *News in chemistry, biochemistry and biotechnology : state of the art and prospects of development*. Editors: Gennady E. Zaikov, Grzegorz Nyszko, Larisa P. Krylova and Sergei D. Varfolomeev. -

Hauppauge : Nova Science Publishers, 2014, chapter. 8, P. 85 - 93. ISBN 978-1631172731.

- AEC08 MATYAŠOVSKÝ, Ján - JURKOVIČ, Peter - SEDLIAČIK, Ján - NOVÁK, Igor - ŠIARNIK, Pavel. Influence of modified collagen on parameters of adhesive mixtures. Part: II. Parameters of collagen adhesive and its microbiologic stabilisation with colloid silver. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*, 2013, no. 83, p. 235 - 241. ISSN 1898-5912.
- AEC09 MATYAŠOVSKÝ, Ján - JURKOVIČ, Peter - DUCHOVIČ, Peter - NOVÁK, Igor - ŠIARNIK, Pavel. Influence of modified collagen on parameters of adhesive mixtures. Part: I. Influence of collagen modification on adhesion, biodegradability and formaldehyde emission. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*, 2013, no. 83, p. 230 - 234. ISSN 1898-5912.
- AEC10 MATYAŠOVSKÝ, Ján - JURKOVIČ, Peter - DUCHOVIČ, Pavol - NOVÁK, Igor. Collagen modified hardener for melamine formaldehyde adhesive for increasing water resistance of plywood. In *News in chemistry, biochemistry and biotechnology : state of the art and prospects of development*. Editors: Gennady E. Zaikov, Grzegorz Nyszko, Larisa P. Krylova and Sergei D. Varfolomeev. - Hauppauge : Nova Science Publishers, 2014, chapter. 7, P. 79-84. ISBN 978-1631172731.
- AEC11 MATYAŠOVSKÝ, Ján - JURKOVIČ, Peter - DUCHOVIČ, Pavol - NOVÁK, Igor. Collagen modified hardener for melamine-formaldehyde adhesive for increasing water-resistance of plywood. In *Key engineering materials*. Volume I. Current state of the art on novel materials. Edited by Devrim Balköse, Daniel Horak, and Ladislav Šoltés. - Toronto : Apple Academic Press, 2014, p. 7-14. ISBN 978-1-926895-73-4.
- AEC12 MIČUŠÍK, Matej - MOSNÁČKOVÁ, Katarína - FEDORKO, Pavol - CHEHIMI, Mohamed M. - OMASTOVÁ, Mária. Conductive textiles : Formation, properties, and stability. In *Modern Polymeric Materials for Environmental Applications : 5th International Seminar including COST Mp1105 Workshop : Kraków, Poland, 15 - 17 May 2013*. - Kraków, Poland : Wydawnictwo Naukowo-Techniczne TEZA, 2013, vol.5, iss. 2, P. 63 - 70. ISBN 978-83-930641-2-0.
- AEC13 MOSNÁČEK, Jaroslav - MOSNÁČKOVÁ, Katarína - RYCHLÝ, Jozef - CHMELA, Štefan - DANKO, Martin - KOLLÁR, Jozef - LACÍK, Igor. Structural changes of LDPE mulching foils after one season of application. In *Natural and Artificial Ageing of Polymers : 6th European Weathering Symposium: Bratislava, 11th - 13th September 2013 : CEEES Publication no. 16*. - Pfnztal, Germany : Gessellschaft fur Umweltsimulation e.V. GUS, 2013, p. 173 - 183. ISBN 978-3-9813136-8-0.
- AEC14 NOVÁK, Igor - SYSEL, Petr - SEDLIAČIK, Ján - JURKOVIČ, Peter - MATYAŠOVSKÝ, Ján - ŠPÍRKOVÁ, Milena. Adhesive and surface behaviour of polyimide-polysiloxane elastomers. In *Annals of Warsaw University of Life Sciences*

- *SGGW : Forestry and Wood Technology*, 2013, no. 83, p. 297 - 302. ISSN 1898-5912.

- AEC15 NOVÁK, Igor - POPELKA, Anton - MATYAŠOVSKÝ, Jan - JURKOVIČ, Peter - LEHOCKÝ, Marián - VESEL, Alenka - ŠOLTÉS, Ladislav - ASADINEZHAD, Ahmad. Antibacterial polyvinylchloride pre- treated by barrier plasma. In *News in chemistry, biochemistry and biotechnology : state of the art and prospects of development*. Editors: Gennady E. Zaikov, Grzegorz Nysko, Larisa P. Krylova and Sergei D. Varfolomeev. - Hauppauge : Nova Science Publishers, 2014, p. 35-43. ISBN 978-1631172731. APVV-351-10, VEGA 2/0199/14.
- AEC16 NOVÁK, Igor - POPELKA, Anton - LEHOCKÝ, Marián - SEDLIAČIK, Ján - MATYAŠOVSKÝ, Ján - CHODÁK, Ivan - KLEINOVÁ, Angela. Anti-bacterially pre-treated polyethylene by discharge plasma. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*, 2012, no. 79, p. 84 - 92. ISSN 1898-5912.
- AEC17 NOVÁK, Igor - POPELKA, Anton - LEHOCKÝ, Marián - CHODÁK, Ivan - MATYAŠOVSKÝ, Ján - JURKOVIČ, Peter. Bacterial adhesion assessment of atmospheric plasma modified polyethylene. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*, 2013, no. 81, p. 157 - 161. ISSN 1898-5912.
- AEC18 NOVÁK, Igor - POPELKA, Anton - KRUPA, Igor - CHODÁK, Ivan - SEDLIAČIK, Ján - VALENTIN, Marian - KLEINOVÁ, Angela - JURKOVIČ, Peter. Modification of polyethyleneby radio-frequency plasma and silanes. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*, 2012, no. 79, p. 75 - 83. ISSN 1898-5912.
- AEC19 NOVÁK, Igor - POPELKA, Anton - CHODÁK, Ivan - SEDLIAČIK, Ján - PREŤO, Jozef - PRACHÁR, Jozef - CHEHIMI, Mohamed Mehdi - ŠIVOVÁ, Mária. Modification of a polyester-based foil by cold plasma for furniture applications. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*, 2013, no. 83, p. 283 - 287. ISSN 1898-5912.
- AEC20 NOVÁK, Igor - POPELKA, Anton - SEDLIAČIK, Ján - CHODÁK, Ivan - VANKO, Vladimír - TÓTH, András - JURKOVIČ, Peter - PRACHÁR, Jozef - ŠIVOVÁ, Mária. Modification of the polyamide foil by diffuse coplanar barrier discharge plasma for furniture applications. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*, 2013, no. 83, p. 292 - 296. ISSN 1898-5912.
- AEC21 NOVÁK, Igor - JURKOVIČ, Peter - MATYAŠOVSKÝ, Jan - ŠOLTÉS, Ladislav. New types of nanocomposites based on ethylene copolymers. In *News in chemistry, biochemistry and biotechnology : state of the art and prospects of development*. Editors: Gennady E. Zaikov, Grzegorz Nysko, Larisa P. Krylova and Sergei D. Varfolomeev. - Hauppauge : Nova Science Publishers, 2014, p. 45-51. ISBN 978-1631172731. ITMS 26220220173, VEGA 2/0199/14.

- AEC22 NOVÁK, Igor - VALENTIN, Marian - CHODÁK, Ivan - ŠPÍRKOVÁ, Milena - SEDLIAČIK, Ján - KLEINOVÁ, Angela - VANKO, Vladimír. Oak wood modification by atmospheric discharge plasma = Modifikace povrchu dřeva pomocí atmosférické plazmy. In *CCT 2013: 44th International Conference on Coatings Technology : Pardubice, Czech Republic, May 20 -22, 2013: conference proceedings*. - Pardubice, Czech Republic : University of Pardubice, 2013, vol. 44, P. 229 - 234. ISBN 978-80-7395-627-1.
- AEC23 NOVÁK, Igor - POPELKA, Anton - CHODÁK, Ivan - SEDLIAČIK, Ján - VANKO, Vladimír - PREŤO, Jozef. Pre-treatment of beech wood by radio-frequency plasma. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*, 2013, no. 81, p. 166 - 169. ISSN 1898-5912.
- AEC24 NOVÁK, Igor - CHODÁK, Ivan - SEDLIAČIK, Ján - VANKO, Vladimír - MATYAŠOVSKÝ, Ján - ŠIVOVÁ, Mária. Pre-treatment of beech wood by cold plasma. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*, 2013, no. 83, p. 288 - 291. ISSN 1898-5912.
- AEC25 NOVÁK, Igor - JURKOVIČ, Peter - MATYAŠOVSKÝ, Jan - SYSEL, Petr - ŠPÍRKOVÁ, Milena - ŠOLTÉS, Ladislav. Surface properties of polyimide copolymers. In *News in chemistry, biochemistry and biotechnology : state of the art and prospects of development*. Editors: Gennady E. Zaikov, Grzegorz Nysko, Larisa P. Krylova and Sergei D. Varfolomeev. - Hauppauge : Nova Science Publishers, 2014, p. 27-33. ISBN 978-1631172731. VEGA 2/0199/14.
- AEC26 NOVÁK, Igor - POPELKA, Anton - SEDLIAČIK, Ján - CHODÁK, Ivan - KLEINOVÁ, Angela - JURKOVIČ, Peter. Surface properties of oak wood treated by barrier discharge plasma. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*, 2013, no. 81, p. 162 - 165. ISSN 1898-5912.
- AEC27 NOVÁK, Igor - POPELKA, Anton - SEDLIAČIK, Ján - VALENTIN, Marian - CHODÁK, Ivan - KLEINOVÁ, Angela - VANKO, Vladimír - PREŤO, Jozef. Surface properties of polyethylene pre-treated by low-temperature plasma. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*, 2012, no. 79, p. 67 - 74. ISSN 1898-5912.
- AEC28 SKALKOVÁ, Petra - CSOMOROVÁ, Katarína - BREZINA, Martin - KAPUSNAK, Michal. Application of biopolymer in natural rubber blends. In *14th GeoConference on Nano, Bio and Green - Technologies for a Sustainable Future : conference proceedings*. - Sofia, Bulgaria : SGEM, 2014, vol. 1, p. 253-260. ISBN 978-619-7105-20-9. ISSN 1314-2709.
- AEC29 STLOUKAL, Petr - RYCHLÝ, Jozef - RYCHLÁ, Lýdia - VERNEY, Vincent - COMMEREUC, Sophie - KOUTNÝ, Marek. Chemiluminescence from pre-oxidized ecoflex polymers. In *Natural and Artificial Ageing of Polymers : 6th European Weathering Symposium: Bratislava, 11th - 13th September 2013 : CEEES Publication no. 16*. - Pfingsttal, Germany : Gesellschaft fur Umweltsimulation e.V. GUS, 2013, p. 347 - 356. ISBN 978-3-9813136-8-0.

AECA Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks

- AECA01 BACCI, Mauro - CUCCI, Constanza - VAN OOSTEN, Thea - SHASHOUA, Yvonne - RYCHLÝ, Jozef. Collection Survey : surveying plastic artefact collections in museum. In *Preservation of Plastics Artefacts in Museum Collections*. - Bruxelles : Éditions du Comité des travaux historiques et scientifiques, 2012, p. 139-149. ISBN 978-2-7355-0770-2.
- AECA02 MATYAŠOVSKÝ, Ján - SEDLIAČIK, Ján - NOVÁK, Igor - JURKOVIČ, Peter - DUCHOVIČ, Peter. Lowering of formaldehyde emission from modified UF resin with collagen polymers. In *Annals Warsaw University of Life Sciences : Forestry and Wood Technology*. - Warsaw, Poland : Warsaw University of Life Sciences Press, 2015, no. 92, p. 284-288. ISSN 1898-5912.
- AECA03 NOVÁK, Igor - CHODÁK, Ivan - SEDLIAČIK, Ján - POPELKA, Anton - PRACHÁR, Jozef - MATYAŠOVSKÝ, Ján - JURKOVIČ, Peter. Antibacterial modification of polymer veneers. In *Annals Warsaw University of Life Sciences : Forestry and Wood Technology*. - Warsaw, Poland : Warsaw University of Life Sciences Press, 2015, no. 92, p. 307-311. ISSN 1898-5912.
- AECA04 NOVÁK, Igor - SEDLIAČIK, Ján - VALENTIN, Marian - ŽIGO, Ondrej - PRACHÁR, Jozef - JURKOVIČ, Peter - MATYAŠOVSKÝ, Ján. Antibacterial modification of polyolefin veneers. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*. - Warsaw, Poland : Warsaw University of Life Sciences Press, 2015, no. 90, p. 138-142. ISSN 1898-5912.
- AECA05 NOVÁK, Igor - JURKOVIČ, Peter - MATYAŠOVSKÝ, Jan - SYSEL, Petr - ŠPÍRKOVÁ, Milena - ŠOLTÉS, Ladislav. Key elements on surface properties of polyimide copolymers. In *Key engineering materials*. Volume I. Current state of the art on novel materials. - Toronto : Apple Academic Press, 2014, p. 63-69. ISBN 978-1-926895-73-4.
- AECA06 NOVÁK, Igor - JURKOVIČ, Peter - MATYAŠOVSKÝ, Jan - ŠOLTÉS, Ladislav. New types of ethylene copolymers on the base nanocomposite. In *Key engineering materials*. Volume I. Current state of the art on novel materials. - Toronto : Apple Academic Press, 2014, p. 125-132. ISBN 978-1-926895-73-4. ITMS 26220220173.
- AECA07 NOVÁK, Igor - SEDLIAČIK, Ján - ŽIGO, Ondrej - VALENTIN, Marian - PRACHÁR, Jozef - MATYAŠOVSKÝ, Ján - JURKOVIČ, Peter. Oak wood modification using cold plasma. In *Annals of Warsaw University of Life Sciences - SGGW : Forestry and Wood Technology*. - Warsaw, Poland : Warsaw University of Life Sciences Press, 2015, no. 90, p. 134-137. ISSN 1898-5912.
- AECA08 NOVÁK, Igor - MATYAŠOVSKÝ, Ján - JURKOVIČ, Peter - LEHOCKÝ, Marian - VESEL, Alenka - ŠOLTÉS, Ladislav. Polyvinylchloride antibacterial pre-treated by barrier plasma. In *Engineering of Polymers and Chemical Complexity : New Approaches, Limitations and Control*. - Waretown, US : Apple Academic Press, 2014, vol. 2, P. 287-296. ISBN 978-1-926895-87-1.

- AECA09 NOVÁK, Igor - MATYAŠOVSKÝ, Jan - JURKOVIČ, Peter - LEHOCKÝ, Marián - VESEL, Alenka - ŠOLTĚS, Ladislav. Polyvinylchloride antibacterial pre-treated by barrier plasma. In *Engineering of polymers and chemical complexity, Volume II.: New approaches, limitations and control*. - Toronto : Apple Academic Press, 2014, p. 287-296. ISBN 978-1-926895-87-1.
- AECA10 NOVÁK, Igor - CHODÁK, Ivan - SEDLIAČIK, Ján - PRACHÁR, Jozef - JURKOVIČ, Peter - MATYAŠOVSKÝ, Ján. Pre-treatment of polyester-based veneers. In *Annals Warsaw University of Life Sciences : Forestry and Wood Technology*. - Warsaw, Poland : Warsaw University of Life Sciences Press, 2015, no. 92, p. 312-315. ISSN 1898-5912.
- AECA11 NOVÁK, Igor - MICHALEC, Ivan - VALENTIN, Marian - MARÓNEK, Milan - ŠOLTĚS, Ladislav - MATYAŠOVSKÝ, Jan - JURKOVIČ, Peter. Steel surface modification. In *Analysis and performance of engineering materials: Key research and development*. - Toronto : Apple Academic Press, 2015, p. 45-58. ISBN 9781771880855.
- AECA12 RYCHLÝ, Jozef - RYCHLÁ, Lýdia. Identification and characterisation of plastic artefacts : characterisation of plastics - chemiluminescence. In *Preservation of Plastics Artefacts in Museum Collections*. - Bruxelles : Éditions du Comité des travaux historiques et scientifiques, 2012, p. 79-86. ISBN 978-2-7355-0770-2.
- AECA13 TEIXEIRA, S. Soreto - GRACA, M. P. F. - DIONISIO, M. - ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - ŠPITALSKÝ, Zdenko - KRUPA, Igor - COSTA, L. C. Electrical properties of lithium ferrite nanoparticles dispersed in a styrene-isoprene-styrene copolymer matrix. In *Nanoscience Advances in CBRN Agents Detection, Information and Energy Security : NATO Science for Peace and Security Series A : Chemistry and Biology*. - Dordrecht, NL : Springer Netherlands, 2015, chapter 27, P. 273-279. ISBN 978-94-017-9696-5. ISSN 1874-6489.

AED Scientific papers in domestic peer-reviewed proceedings, monographs

- AED01 BULIAKOVÁ, Barbora - MESÁROŠOVÁ, Monika - ŠELC, Michal - RÁZGA, Filip - VNUKOVÁ, Dominika - GÁBELOVÁ, Alena. Aktivácia ERK1/2, SAPK a p53 signálnych dráh vplyvom nanočastíc magnetitu s rôznou povrchovou úpravou [The activation of ERK1 / 2, p53 MAPK signaling pathways, the impact of nanoparticles of magnetite with various surface finishes]. In *Súťaž mladých onkológov 2014 : zborník prednášok*. Soňa Čierniková, Roman Bohovič, Margita Klobušická. - Bratislava : Nadácia Výskum rakoviny : Ústav experimentálnej onkológie SAV, 2014, s. 127-131. ISBN 978-80-971621-0-8.
- AED02 CAPEK, Peter - DVUREČENSKIJ, Andrej - MAJEROVÁ, Melinda - MAŇKA, Ján - CAPEK, Ignác. Biodecorated magnetic nanoparticles preparation, modification and properties. In *MEASUREMENT 2013 : 9th International Conference on Measurement*. Editors J. Maňka, M. Tyšler, V. Witkovský, I. Frollo. - Bratislava : Institute of Measurement Science, SAS, 2013, p. 319-322. ISBN 978-80-969-672-5-4.
- AED03 KRONEK, Juraj - VIZÁROVÁ, Katarína - KIRSCHNEROVÁ, Soňa - KATUŠČÁK, Svetozár. Využitie polymérov na ochranu starého papiera. In *Zborník*

príspevkov konferencie CSTI 2013 : Conservation Science, Technology and Industry : Bratislava, 20. - 22. 2. 2013. - Bratislava : SNM, 2013, s. 51 - 57. ISBN 978-80-227-3991-7.

AFA Published invited papers from foreign scientific conferences

- AFA01 CZANIKOVÁ, Klaudia - TORRAS, Núria - KRUPA, Igor - OMASTOVÁ, Mária. Elastomérne aktuátory = Elastomeric actuators. In *PLASTKO 2014 : sborník príspevků z konference PLASTKO 2014, 8. - 9. 4. 2014* [elektronický zdroj]. - Zlín, ČR : Universita Tomáše Bati ve Zlíně, 2014, p. [20-28]. ISBN 978-80-7454-335-7.
- AFA02 FLORIÁN, Štěpán - NOVÁK, Igor - SYSEL, Peter - POPELKA, Anton - ŠPIRKOVÁ, Milena - KLEINOVÁ, Angela. Povrchové vlastnosti polyimid-polysiloxánových blokových kopolymérov = Surface properties of polyimide-polysiloxane block copolymers. In *Sborník příspěvku konference PLASTKO 2012 : Zlín - ČR, 11. - 12. 4. 2012* [elektronický zdroj]. 1. vyd. - Zlín, ČR : Univerzita Tomáše Bati, 2012, p. [135 - 143]. ISBN 978-80-7454-137-7. Názov z obrazovky. Požaduje sa Adobe Acrobat.
- AFA03 FLORIÁN, Štěpán - NOVÁK, Igor - POPELKA, Anton - CHODÁK, Ivan - ŠPIRKOVÁ, Milena - CHEHIMI, Mohamed Mehdi - KLEINOVÁ, Angela. Surface properties of poly(ethylene terephthalate) modified by barrier plasma = Povrchové vlastnosti polyetylen tereftalátu modifikovaného plasmou. In *CCT 2012 : 43rd International conference on coatings technology : Pardubice, Czech Republik, May 14 - 17, 2012 : conference proceedings.* - Pardubice : Univerzita Pardubice, 2012, p. 107 - 116. ISBN 978-80-7395-490-1.
- AFA04 NOVÁK, Igor - POPELKA, Anton - LEHOCKÝ, Marián - CHODÁK, Ivan - BÍLEK, František. Antibakteriálna úprava polyetylénu nízkoteplotnou plazmou = Anti-bacterial treatment of polyethylene by low-temperature plasma. In *Sborník příspěvku konference PLASTKO 2012 : Zlín - ČR, 11. - 12. 4. 2012* [elektronický zdroj]. 1. vyd. - Zlín, ČR : Univerzita Tomáše Bati, 2012, p. [161 - 168]. ISBN 978-80-7454-137-7. Názov z obrazovky. Požaduje sa Adobe Acrobat.
- AFA05 NOVÁK, Igor - POPELKA, Anton - LEHOCKÝ, Marián - CHODÁK, Ivan - BÍLEK, František - KLEINOVÁ, Angela. Multistep method of polyethylene modification by atmospheric discharge plasma = Vícekroková metoda modifikace polyetylenu pomocí atmosférické plazmy. In *CCT 2012 : 43rd International conference on coatings technology : Pardubice, Czech Republik, May 14 - 16, 2012 : conference proceedings.* - Pardubice : Univerzita Pardubice, 2012, p. 297 - 304. ISBN 978-80-7395-490-1.

AFB Published invited papers from domestic scientific conferences

- AFB01 OMASTOVÁ, Mária. Polymeric nanocomposites with carbon nanofillers for advanced application. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book.* - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 19-22. ISBN 978-80-970923-5-1.

AFBA Published invited papers from international scientific conferences in Slovakia

- AFBA01 FLORIÁN, Štepán - NOVÁK, Igor - SEDLIAČIK, Ján - CHODÁK, Ivan - KLEINOVÁ, Angela - JURKOVIČ, Peter - MAYAŠOVSKÝ, Ján. Štúdium polyamidu12 očkovaného pôsobením bariérovej výbojovej plazmy. In *Pokroky vo výrobe a použití lepidiel v drevopriemysle : XXI. sympóziu : zborník referátov*. - Zvolen : Technická univerzita vo Zvolene, 2013, p. 95 - 100. ISBN 978-80-228-2529-0.
- AFBA02 CHODÁK, Ivan - NOVÁK, Igor - POPELKA, Anton. Plasma initiated modification of polymer surfaces for various applications. In *SAPP : 19th Symposium on Application of Plasma Processes : Workshop on Ion Mobility Spectrometry : Vrátna, Slovakia, 26 - 31 January 2013: book of contributed papers*. - Bratislava : Comenius University, 2013, p. 80 - 83.
- AFBA03 MATYAŠOVSKÝ, Ján - JURKOVIČ, Peter - DUCHOVIČ, Peter - NOVÁK, Igor. Vplyv modifikácií kolagénu na parametre a mikrobiotickú stabilitu termoplastických lepidiel. In *Pokroky vo výrobe a použití lepidiel v drevopriemysle : XXI. sympóziu : zborník referátov*. - Zvolen : Technická univerzita vo Zvolene, 2013, p. 128 - 138. ISBN 978-80-228-2529-0.
- AFBA04 NOVÁK, Igor - POPELKA, Anton - ŠPITALSKÝ, Zdenko - OMASTOVÁ, Mária - LEHOCKÝ, Marián - CHODÁK, Ivan - VALENTIN, Marian - PRACHÁR, Jozef. Anti-bacterial pre-treatment of polyolefins by cold plasma. In *Zborník prednášok z medzinárodnej odbornej konferencie Progresívne technológie pre textil, jeho kvalita bezpečnosť : Žilina, 27. - 28. 5. 2014*. - Žilina : VÚTCH - CHEMITEX, spol. s r.o., 2014, [8 s.]. ISBN 978-80-971639-0-7.
- AFBA05 NOVÁK, Igor - SEDLIAČIK, Ján - VANKO, Vladimír - CHODÁK, Ivan. Investigation of plasma-treated oak wood. In *Pokroky vo výrobe a použití lepidiel v drevopriemysle : XXI. sympóziu : zborník referátov*. - Zvolen : Technická univerzita vo Zvolene, 2013, p. 90 - 94. ISBN 978-80-228-2529-0.

AFBB Published invited papers from domestic scientific conferences

- AFBB01 CHODÁK, Ivan - JOCHEC MOŠKOVÁ, Daniela. Clay nanocomposites with polymeric matrices - successes and disappointments. In *PHYSICS OF MATERIALS 2012- Proceedings of the scientific conference, October 17-19, 2012, Košice. P. 16 - 20*. - Košice : Technical University of Košice, 2012. ISBN 978-80-553-1175-3.

AFC Published papers from foreign scientific conferences

- AFC01 BEREK, Dušan. Molecular characterization of complex polymer systems by means of unconventional liquid chromatography methods = Molekulová charakterizácia komplexných polymérových systémov netradičnými metódami kvapalinovej chromatografie. In *PLASTKO 2014 : sborník příspěvků z konference PLASTKO 2014, 8. - 9. 4. 2014 [elektronický zdroj]*. - Zlín, ČR : Universita Tomáše Bati ve Zlíně, 2014, p. [20-43]. ISBN 978-80-7454-335-7.
- AFC02 BOCHENEK, F. - QI, J. - MARCHESE, J. - DAVIS, J. - WANG, J. - LACÍK, Igor - STRAND, J. - OBERHOLZER, J. Skeletal muscle tissue as a potential transplantation site of microencapsulated islets. In *XXII International Conference on Bioencapsulation : 21st Bratislava International Conference on Macromolecules :*

Bratislava, Slovakia, September 17-19, 2014 : book of contributions. - Bioencapsulation Research Group, 2014, p. 32-33.

- AFC03 CAPEK, Ignác - CAPEK, Peter. Magnetic nanoparticles and their hybrides. In *Proceedings of the 10th International Conference on Polysaccharides-Glycoscience, Prague, 22nd-24th October 2014*. - Praha : Czech Chemical Society, 2014, p. 62-64. ISBN 978-80-86238-70-8.
- AFC04 ČIČO, Karol - ADIKIMENAKIS, A. - MIČUŠÍK, Matej - HAŠČÍK, Štefan - GEORGAKILAS, A. - KUZMÍK, Ján. Material and electrical properties of N-polar (GaN)/InN surfaces. In *ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems*. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 271-274. ISBN 978-1-4799-5474-2.
- AFC05 DANKO, Martin - BORSKÁ, Katarína - RAGAB, Sherif Shaban - JANIGOVÁ, Ivica - MOSNÁČEK, Jaroslav. 1.2- diketones promoted degradation of poly(epsilon-caprolactone). In *AIP Conference Proceedings : 6th International Conference on Times of Polymers (TOP) and Composites : Ischia, Italy, 10 - 14 June 2012*, 2012, vol. 1459, p. 196 - 198. ISSN 0094-243X.
- AFC06 FLORIÁN, Štepan - NOVÁK, Igor - VANKO, Vladimír - PREŤO, Jozef - VALENTIN, Marian - CHODÁK, Ivan - ŽIGO, Ondrej. Increase of polyurethane adhesive surface properties after modification in mass. In *PLASTKO 2014 : sborník příspěvků z konference PLASTKO 2014, 8. - 9. 4. 2014* [elektronický zdroj]. - Zlín, ČR : Universita Tomáše Bati ve Zlíně, 2014, p. [291-295]. ISBN 978-80-7454-335-7.
- AFC07 FRÖHLICH, Karol - MIČUŠÍK, Matej - DOBROČKA, Edmund - ŠIFFALOVIC, Peter - GUCMANN, Filip - FEDOR, Ján. Properties of Al₂O₃ thin films grown by atomic layer deposition. In *ASDAM 2012 : conference proceedings*. Eds. Š. Haščík, J. Osvald. - Piscataway : IEEE, 2012, p. 171-174. ISBN 978-1-4673-1195-3.
- AFC08 GEMEINER, Pavol - BEKOVÁ, Zuzana - OMASTOVÁ, Mária - MIKULA, Milan. Low-cost dye sensitized solar cells based on polypropylene/silver/f-MWCNT composite counter electrodes. In *International Joint Conference on Enviromental and Light Industry Technologies : Budapest, Hungary, 20 - 22 November 2013 : proceedings*. - Budapest, Hungary : Óbuda University, 2013, p.[7].
- AFC09 HRČKOVÁ, Ľudmila - CHMELA, Štefan - KOLLÁR, Jozef - ŠIŠKOVÁ, Alena - MACOVÁ, Eva - BEREK, Dušan. Nitroxidom riadená syntéza blokových kopolymérov. In *PLASTKO 2014 : sborník příspěvků z konference PLASTKO 2014, 8. - 9. 4. 2014* [elektronický zdroj]. - Zlín, ČR : Universita Tomáše Bati ve Zlíně, 2014, p. [365-370]. ISBN 978-80-7454-335-7.
- AFC10 HURAN, Jozef - KUČERA, Michal - KOBZEV, A.P. - KLEINOVÁ, Angela - SEKÁČOVÁ, Mária - KOVÁČOVÁ, Eva. Electron cyclotron resonance plasma technology of silicon carbon nitride thin films. In *ASDAM 2012 : conference proceedings*. Eds. Š. Haščík, J. Osvald. - Piscataway : IEEE, 2012, p. 267-270. ISBN 978-1-4673-1195-3.

- AFC11 HURAN, Jozef - BALALYKIN, N.I. - KADLEČÍKOVÁ, M. - ZAŤKO, Bohumír - FESCHENKO, A.A. - KOBZEV, A.P. - VANČO, L. - NOZDRIN, M.A. - KLEINOVÁ, Angela - KOVÁČOVÁ, Eva. Photocathodes based on diamond like carbon films prepared by reactive magnetron sputtering and PECVD technology. In *ASDAM 2012 : conference proceedings*. Eds. Š. Haščík, J. Osvald. - Piscataway : IEEE, 2012, p. 263-266. ISBN 978-1-4673-1195-3.
- AFC12 HURAN, Jozef - HRUBČÍN, Ladislav - BOHÁČEK, Pavol - BORZAKOV, S.B. - SKURATOV, V.A. - KOBZEV, A.P. - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta. The effect of xe ion and neutron irradiation on the properties of SiC and SiC(N) film prepared by PECVD technology. In *RAD 2015 : proceedings Third International Conference on Radiation and Applications in Various Fields of Research*. Ed. G. Rastič ; rev. A.A. Ajayi-Banji, A.A. Antsiferova et al. - Niš : RAD Association, 2015, p. 399-403. ISBN 978-86-80300-01-6.
- AFC13 ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - MRLÍK, Miroslav - SEDLÁČEK, Tomáš - CHORVÁT, Dušan - KRUPA, Igor - KOYNOV, Kaloian. Fyzikálne vlastnosti kompozitov na báze kovalentne modifikovaných nanotrubičiek a styren-izopren-styren triblokového kopolyméru = Physical properties of composites based on covalently modified carbon nanotubes and styrene-isoprene-styrene block copolymer. In *Sborník příspěvku konference PLASTKO 2012 : Zlín - ČR, 11. - 12. 4. 2012* [elektronický zdroj]. 1. vyd. - Zlín, ČR : Univerzita Tomáše Bati, 2012, p. [286 - 293]. ISBN 978-80-7454-137-7. Název z obrazovky. Požaduje sa Adobe Acrobat.
- AFC14 KOLLÁR, Jozef - CHMELA, Štefan - HRČKOVÁ, Ľudmila - HRDLÍČEK, Pavol. Fluorescent dye-labelled polymer synthesis by nitroxide mediated radical polymerization. In *AIP Conference Proceedings : 6th International Conference on Times of Polymers (TOP) and Composites : Ischia, Italy, 10 - 14 June 2012*, 2012, vol. 1459, p. 187 - 189. ISSN 0094-243X.
- AFC15 KRONEK, Juraj - KRONEKOVÁ, Zuzana - TREŤOVÁ, Dušana - UHELSKÁ, Lucia - RYCHTER, P. - ZAHORANOVÁ, Anna - NÉMETHOVÁ, Veronika - RÁZGA, Filip - LACÍK, Igor. Chemical and mechanical stability of PMCG microcapsules in physiological fluids. In *XXII International Conference on Bioencapsulation : 21st Bratislava International Conference on Macromolecules : Bratislava, Slovakia, September 17-19, 2014 : book of contributions*. - Bioencapsulation Research Group, 2014, p. 108-109.
- AFC16 LOBOTKA, Peter - RADNÓCZI, G. - CZIGÁNY, Zs. - VÁVRA, Ivo - DRŽÍK, Milan - MIČUŠÍK, Matej - DOBROČKA, Edmund - KUNZO, Pavol. Preparation of nickel, nickel-iron, and silver-copper nanoparticles in ionic liquids. In *Proceedings of the 17th International Conference on Solid-State Sensors, Actuators and Microsystems : Transducers 2013 & Eurosensors XXVII*. - IEEE, 2013, p. 2021-2024. ISBN 978-1-4673-5981-8.
- AFC17 MAŤKO, Igor - ŠAUŠA, Ondrej - MÁCOVÁ, Eva. Comparison of thermal behaviour of hexadecane and water confined in nanoporous matrix. In *TAS 2015 : Sborník příspěvku Termodynamického semináře, 18. červen, 2015, Pardubice, Česká*

republika. - Pardubice : Univerzita Pardubice, 2015, s. 115-119. ISBN 978-80-7395-888-6.

- AFC18 MIČUŠÍK, Matej - MOSNÁČKOVÁ, Katarína - MALÍKOVÁ, Marta - OMASTOVÁ, Mária. Surface properties and morphology of conductive textiles modified by polypyrrole. In *Magic World of Textiles : Book of Proceedings of the 7th International Textile, Clothing & Design Conference*. - Zagreb, Croatia : University of Zagreb, 2014, p. 87-92. ISBN 978-953-7105-54-9. ISSN 1847-7275.
- AFC19 MOSNÁČEK, Jaroslav - ILČÍKOVÁ, Markéta - CHORVÁT, Dušan Jr. - CZANIKOVÁ, Klaudia - KRUPA, Igor. Photoactuation behavior of styrene-b-isoprene-b-styrene filled with covalently modified carbon nanotubes. In *AIP Conference Proceedings : 6th International Conference on Times of Polymers (TOP) and Composites : Ischia, Italy, 10 - 14 June 2012*, 2012, vol. 1459, p. 193 - 195. ISSN 0094-243X.
- AFC20 NÉMETHOVÁ, Veronika - VNUKOVÁ, Dominika - BULIAKOVÁ, Barbora - GÁBELOVÁ, Alena - ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - ČIAMPOR, Fedor - LACÍK, Igor - RÁZGA, Filip. The impact of coating on size and colloidal stability of magnetite nanoparticles. In *XXII International Conference on Bioencapsulation : 21st Bratislava International Conference on Macromolecules : Bratislava, Slovakia, September 17-19, 2014 : book of contributions*. - Bioencapsulation Research Group, 2014, p. 130-131.
- AFC21 NOVÁK, Igor - POPELKA, Anton - VALENTIN, Marian - KLEINOVÁ, Angela - MIČUŠÍK, Matej - OMASTOVÁ, Mária - JURKOVÍČ, Peter - MATYAŠOVSKÝ, Ján. Investigation of beech wood pre-treated by radio-frequency plasma. In *PLASTKO 2014 : sborník příspěvků z konference PLASTKO 2014, 8. - 9. 4. 2014* [elektronický zdroj]. - Zlín, ČR : Universita Tomáše Bati ve Zlíně, 2014, p. [284-290]. ISBN 978-80-7454-335-7.
- AFC22 NOVÁK, Igor - KUBIČÁR, Ľudovít - ANIBARRO, Carlos Calvo - VRETENÁR, Viliam - DIEŠKA, P. - TAVMAN, I.H. - CHODÁK, Ivan. Thermal conductivity of epoxy resin cross-linking. In *International Conference on Thermophysical and Mechanical Properties of Advanced Materials & 3rd Rostocker Symposium on Thermophysical Properties for Technical Thermodynamics, June 12-15, 2014, Cesme-Izmir, Turkey : THERMAM 2014*. - Bio-Tech Media, 2014, p. 260-264. ISBN 978-605-84726-1-7.
- AFC23 OLEJNIK, Robert - SLOBODIAN, Petr - ŠPITALSKÝ, Zdenko - MATYAS, Jiří. The sensing element for organic vapors detection on the base of styrene-isoprene-styrene (SIS) block copolymer/carbon nanotubes on the interdigitated electrode. In *NANOCON 2015 : proceedings of abstracts*. - Ostrava, Czech Republic : TANGER Ltd., 2015, pA22, 5p. Dostupné na internete: <<http://www.nanocon.eu/files/proceedings/23/papers/4295.pdf>>.
- AFC24 OMASTOVÁ, Mária - MIČUŠÍK, Matej - MOSNÁČKOVÁ, Katarína. Conductive textiles modified by polypyrrole. In *6th International Technical Textile Congress*. - Izmir, Turkey : Dokuz Eylul University, 2015, p. 185-188. ISBN 978-975-441-448-6.

- AFC25 RÁZGA, Filip - NÉMETHOVÁ, Veronika - MATVEJOVÁ, M. - LACÍK, Igor. Production of ca-alginate microspheres using buchi encapsulator B-395 pro. In *XXII International Conference on Bioencapsulation : 21st Bratislava International Conference on Macromolecules : Bratislava, Slovakia, September 17-19, 2014 : book of contributions.* - Bioencapsulation Research Group, 2014, p. 154-155.
- AFC26 SALGARELLA, Alice Rita - RICOTTI, Leonardo - GIUDETTI, Giudo - KRONEK, Juraj - RINGHI, Martina - CUTRONE, Annarita - CAFARELLI, Andrea - ZAHORANOVÁ, Anna - ŠRÁMKOVÁ, Petra - TREŤOVÁ, Dušana - BOSSI, Silvia - MICERA, Silvestro - LACÍK, Igor - MENCIASSI, Arianna. Advanced nano-doped materials for long-term neural interfaces. In *IEEE NANO 2015 Proceedings.* - Danvers : The Institute of Electrical and Electronics Engineers, Inc., 2015, iD 337, 3p. ISBN 978-1-4673-8156-7.
- AFC27 SHAH, Rushita - KRONEK, Juraj - KRONEKOVÁ, Zuzana - SAHA, Nabanita - SAHA, Petr. Partially hydrolyzed poly(2-ethyl-2-oxazolines): Synthesis and cytotoxicity assay for biomedical applications. In *PLASTKO 2014 : sborník příspěvků z konference PLASTKO 2014, 8. - 9. 4. 2014 [elektronický zdroj]*. - Zlín, ČR : Universita Tomáše Bati ve Zlíně, 2014, p. [178-184]. ISBN 978-80-7454-335-7.
- AFC28 SKARMOUTSOU, A. - VALENTIN, Marian - OMASTOVÁ, Mária - CHARITIDIS, C. A. - NOVÁK, Igor - KRUPA, Igor. Study of nanomechanical properties of extruded PLA film modified by plasma in air and argon atmosphere. In *PLASTKO 2014 : sborník příspěvků z konference PLASTKO 2014, 8. - 9. 4. 2014 [elektronický zdroj]*. - Zlín, ČR : Universita Tomáše Bati ve Zlíně, 2014, p. [121-126]. ISBN 978-80-7454-335-7.
- AFC29 SZYMCZYK, A. - ZOLNIERKIEWICZ, G. - TYPEK, J. - GUSKOS, N. - PAWELEC, I. - PASZKIEWICZ, S. - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav. Magnetic properties of PTT-PTMO/graphene oxide-Fe₃O₄ nanocomposite. In *Joint Conference on Advanced Materials and Technologies : abstract book.* - Gdansk, Poland : Task Publishing, 2015, p. 51-54. ISBN 978-83-937979-5-0.
- AFC30 ŠIŠKOVÁ, Alena - CLEMENTI, L. A. - VEGA, J. R. - MEIRA, G. R. - BEREK, Dušan. Sequenced two-dimensional liquid chromatography of polymer blend. Source of errors in the data treatment procedure. In *SAP 2015 : Simposio Argentino de Polimeros : book of abstracts.* - Santa Fe, Argentina : Centre de Convenciones Estacion Belgrano, 2015, 6 p.
- AFC31 TREŤOVÁ, Dušana - PAPAJOVÁ, Eva - KLEINOVÁ, Angela - MIČUŠÍK, Matej - LACÍK, Igor. Preparation of SA-CS-PMCG polyelectrolyte microcapsules using internal gelation in emulsion. In *XXII International Conference on Bioencapsulation : 21st Bratislava International Conference on Macromolecules : Bratislava, Slovakia, September 17-19, 2014 : book of contributions.* - Bioencapsulation Research Group, 2014, p. 174-175.
- AFC32 TREŤOVÁ, Dušana - KLEINOVÁ, Angela - DVORANOVÁ, D. - MIČUŠÍK, Matej - JÁNÉ, E. - VELIČ, D. - LUXBACHER, T. - LACÍK, Igor. Surface

properties of SA-CS-PMCG polyelectrolyte complex-based microcapsules. In *XXII International Conference on Bioencapsulation : 21st Bratislava International Conference on Macromolecules : Bratislava, Slovakia, September 17-19, 2014 : book of contributions*. - Bioencapsulation Research Group, 2014, p. 168-169.

AFC33 VNUKOVÁ, Dominika - RÁZGA, Filip - NÉMETHOVÁ, Veronika - LACÍK, Igor. Factors that influence the size and colloidal stability of chitosan sub-micron particles. In *XXII International Conference on Bioencapsulation : 21st Bratislava International Conference on Macromolecules : Bratislava, Slovakia, September 17-19, 2014 : book of contributions*. - Bioencapsulation Research Group, 2014, p. 176-177.

AFC34 VYROUBAL, Radek - SAHA, Nabanita - LACÍK, Igor - SÁHA, Petr. Bacterial cellulose: Production and characterization. In *PLASTKO 2014 : sborník příspěvků z konference PLASTKO 2014, 8. - 9. 4. 2014 [elektronický zdroj]*. - Zlín, ČR : Universita Tomáše Bati ve Zlíně, 2014, p. [112-120]. ISBN 978-80-7454-335-7.

AFD Published papers from domestic scientific conferences

AFD01 DUBECKÝ, František - KINDL, D. - HUBÍK, P. - OSWALD, J. - MÍČUŠÍK, Matej - GOMBIA, E. - BOHÁČEK, Pavol - SEKÁČOVÁ, Mária - ZAŤKO, Bohumír - ŠAGÁTOVÁ, A. Peculiarities of metal contacts on semi-insulating GaAs: electrical, photoelectronic and XPS characterization. In *APCOM 2015 : Proceedings of the 21st International Conference on Applied Physics of Condensed Matter*. Eds. J. Vajda, I. Jamnický ; rev. J. Sitek, P. Ballo et al. - Bratislava : STU, 2015, p. 216-220. ISBN 978-80-227-4373-0.

AFD02 GUCMANN, Filip - KÚDELA, Róbert - DOBROČKA, Edmund - MÍČUŠÍK, Matej - ROSOVÁ, Alica - NOVÁK, Jozef - GREGUŠOVÁ, Dagmar. III-As heterostructure field-effect transistors with recessed ex-situ gate oxide. In *18. Škola vákuovej techniky : Nanosvet s vákuom*. - Bratislava : SVS, 2015, s. 27-30. ISBN 978-80-971179-6-2.

AFD03 HRONKOVIČ, Ján - PREŤO, Jozef - ORAVEC, Ján - VEREŠ, Juraj - CHODÁK, Ivan. The appropriate composition to modify rubber crumb and its application in rubber compounds. In *PMA 2015 & SRC 2015 : book of proceedings*. - Bratislava : STU, Faculty of Chemical and Food Technology & Polymer Institute of SAS, 2015, p. 196-199. ISBN 978-80-970923-7-5.

AFD04 HURAN, Jozef - MIKOLÁŠEK, M. - BOHÁČEK, Pavol - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - KOBZEV, A.P. - SEKÁČOVÁ, Mária - ARBET, Juraj. HWCD technology of silicon carbide thin films: properties. In *Proceedings of the 3th International Conference on Advances in Electronic and Photonic Technologies : ADEPT 2015*. Eds. D. Pudiš, I. Lettrichová, J. Kováč, jr. - Žilina : Univ. Žilina, 2015, p. 104-107. ISBN 978-80-554-1033-3.

AFD05 HURAN, Jozef - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - KOBZEV, A.P. - BOHÁČEK, Pavol - SEKÁČOVÁ, Mária - ARBET, Juraj. Plasma enhanced chemical vapor deposition of low-k a-SiC:H thin films: FTIR study of chemical bonding. In *Proceedings of ADEPT : 2nd International Conference on Advances in*

Electronic and Photonic Technologies. Eds. D. Pudiš ... [et al.]. - Žilina : University of Žilina, 2014, p. 168-171. ISBN 978-80-554-0881-1.

- AFD06 HURAN, Jozef - KOVÁČ, Jaroslav - BOHÁČEK, Pavol - KOVÁČ, Jaroslav Jr. - KLEINOVÁ, Angela - MIKOLÁŠEK, M. - SEKÁČOVÁ, Mária. Spectral response study of Schottky photodetectors based on nanocrystalline silicon carbide thin films prepared by PECVD technology at different conditions. In *Proceedings of ADEPT : 1st International Conference on Advances in Electronic and Photonic Technologies*. Eds. D. Pudiš et al. - Žilina : University of Žilina, 2013, p. 93-96. ISBN 978-80-554-0689-3.
- AFD07 HURAN, Jozef - BALALYKIN, N.I. - FESHCHENKO, A.A. - KOBZEV, A.P. - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - ARBET, Juraj. Transmission photocathodes based on quartz glass coated with N or P-doped SiC thin films prepared by HWCVD technology. In *Proceedings of the 3th International Conference on Advances in Electronic and Photonic Technologies : ADEPT 2015*. Eds. D. Pudiš, I. Lettrichová, J. Kováč, jr. - Žilina : Univ. Žilina, 2015, p. 186-189. ISBN 978-80-554-1033-3.
- AFD08 JOKRLLOVÁ, Jana - ČÍK, Gabriel - ŠVAJDLENKOVÁ, Helena - LUKEŠOVÁ, Miroslava - ŠERŠEŇ, František. Fotoreduction of CO₂ and ROS production by modified zeolites. In *42th International Conference of SSCHI : proceedings*. - Košice : SSCHI, 2015, p. 31-38. ISBN 978-80-89475-14-8.
- AFD09 LOBOTKA, Peter - VÁVRA, Ivo - KUNZO, Pavol - RADNÓCZI, G. - CZIGÁNY, Zs. - DRŽÍK, Milan - MICUŠÍK, Matej. Preparation of nanocolloids in vacuum. In *Perspektívne vákuové metódy a technológie : 16. škola vákuovej techniky*. Eds. M. Vojs, M. Veselý. - Bratislava : Slov. vákuová spol., 2013, p. 47-49. ISBN 978-80-971179-2-4.
- AFD10 MIHALOVA, A. - SLÁVIKOVÁ, Monika - DANCHENKO, Maksym - PROKS, V. - KUCKA, J. - KRONEKOVÁ, Zuzana - LACÍK, I. Peptide-modified hydrogels for enhancing immuno-isolation of encapsulated cells. In *XXII International Conference on Bioencapsulation : 21st Bratislava International Conference on Macromolecules : Bratislava, Slovakia, September 17-19, 2014 : book of contributions*. - Bioencapsulation Research Group, 2014, p. 110-111.
- AFD11 MOSNÁČKOVÁ, Katarína - ŠPITALSKÝ, Zdenko - KULÍČEK, Jaroslav - PROKEŠ, Jan - OMASTOVÁ, Mária. Electrical properties of poly(methyl methacrylate)/multiwalled carbon nanotubes composites as a function of preparation methods. In *PMA 2015 & SRC 2015 : book of proceedings*. - Bratislava : STU, Faculty of Chemical and Food Technology & Polymer Institute of SAS, 2015, p. 80-86. ISBN 978-80-970923-7-5.
- AFD12 OLEJNIK, Robert - ŠPITALSKÝ, Zdenko - PROSTREDNÝ, Martin - SLOBODIAN, Petr. Sensing element on the base of graphene/styrene-isoprene copolymer for VOC detection in industry. In *PMA 2015 & SRC 2015 : book of proceedings*. - Bratislava : STU, Faculty of Chemical and Food Technology & Polymer Institute of SAS, 2015, p. 238-241. ISBN 978-80-970923-7-5.

AFD13 SEDNIČKOVÁ, Michaela - JOCHEC MOŠKOVÁ, Daniela - JANIGOVÁ, Ivica - JANKOVIČ, Ľuboš - NÓGELLOVÁ, Zuzana - CHODÁK, Ivan. Natural rubber with motmorillonites as the composites. In *PMA 2015 & SRC 2015 : book of proceedings*. - Bratislava : STU, Faculty of Chemical and Food Technology & Polymer Institute of SAS, 2015, p. 230-233. ISBN 978-80-970923-7-5.

AFDA Published papers from international scientific conferences in Slovakia

AFDA01 RYCHLÝ, Jozef - HUDÁKOVÁ, Martina - RYCHLÁ, Lýdia - GALLA, Štefan. Plasty v kultúrnych pamiatkach a muzeálnych artefaktoch - požiarne riziká hodnotené pomocou kónického kalorimetra. In *FIRECO 2013 : X. medzinárodná konferencia : Ochrana pred požiarimi : Trenčín, SR, 2. - 3. máj 2013 : zborník prednášok*. - Bratislava : Požiarnotechnický a expertízny ústav MV SR, 2013, s. 431 - 440.

AFDB Published papers from domestic scientific conferences

AFDB01 ŠIFFALOVÍČ, Peter - VÉGSO, Karol - BENKOVIČOVÁ, Monika - KOCSISOVÁ, Teodora - WEIS, Martin Jr. - JERGEL, Matej - MAJKOVÁ, Eva - LUBY, Štefan. Nanoparticle self-assembly at air/liquid interfaces. In *Proceedings of the 19th Conference of Slovak Physicists, September 3-6, 2012, Prešov*. - Košice : Slovak Physical Society, 2013, p. 31-36. ISBN 978-80-970625-8-3.

AFE Abstracts of invited papers from foreign conferences

AFE01 BENKOVÁ, Zuzana - RAČKO, Dušan - BLEHA, Tomáš - CIFRA, Peter. Confined semiflexible macromolecules: Linear and ring DNA in nanochannels. In *Thermodynamics of Complex Fluids and Interfaces : 5th US-Poland Workshop : Warsaw, Poland, June 11-13, 2014 : book of abstracts*. - Warsaw, Poland : The University of Warsaw, 2014, p. 20-21.

AFE02 BEREK, Dušan. Molecular characterization of complex polymer systems by means of advanced liquid chromatography techniques. In *International Conference of Rubber and Rubber-like Materials : ICRRM 2013 : book of abstract*. - Kolkata, India : Cygnus Advertising Pvt., 2013, p. 39 - 40.

AFE03 BEREK, Dušan. Sequenced two-dimensional liquid chromatography of synthetic polymers. In *HPLC 2012: 38th international symposium on High performance liquid phase separations and related techniques : Anaheim - USA, June 16 - 21, 2012 : proceedings on USB key*. - Anaheim, USA, 2012, [L-01-10]. Názov z obrazovky. Požaduje sa Adobe Acrobat.

AFE04 BEREK, Dušan. Size exclusion chromatography - A blessing and curse of polymer science and technology. In *IMTCE 2014 : 9th International Materials Technology Conference & Exhibition : Kuala Lumpur, Malaysia, 13th - 16th May, 2014 : ISAPM 2014 : International Symposium on Advanced Polymeric Materials 2014 : programme book*. - Kuala Lumpur, Malaysia : Institute of Materials, 2014, p. 87.

AFE05 CZANIKOVÁ, Klaudia - KRUPA, Igor - OMASTOVÁ, Mária. Actuations of nanocomposites containing carbon nanotubes. In *EPF 2013 : European Polymer Congress : Pisa, Italy, June 16 - 21, 2013 : book of abstract*. - Pisa, Italy : European Polymer Federation, 2013, p. [IL7-5].

- AFE06 CZANIKOVÁ, Klaudia - KRUPA, Igor - OMASTOVÁ, Mária.
Photo-mechanical actuation of elastomer/carbon nanotubes nanocomposites. In *30th Panhellenic Conference on Solid-State Physics and Materials Science :Heraction, Crete, September 21-24, 2014 : book of abstracts*. - Heraction, Crete : University of Crete, 2014, p. 53.
- AFE07 CHODÁK, Ivan. Environmentally friendly plastics, properties, applications and environmental impact. In *BPPA 14 : International Conference on Bio-Friendly Polymers and Polymer Additives: From Scientific Aspects to Processing and Applications : Budapest, Hungary, 19-21 May, 2014 : program and book of abstracts*. - Budapest, Hungary : Hungarian Academy of Sciences, 2014, p.15. ISBN 978-963-08-9492-0.
- AFE08 KASÁK, Peter - SOBOLČIAK, Patrik - SEMAK, Vladislav - STACH, Marek - KRONEKOVÁ, Zuzana - HLOUŠKOVÁ, Gabriela - KRUPA, Igor - CHORVÁT, Dušan Jr. - LACÍK, Igor. Zwitterionic polymers: kinetics, characterization and biomedical applications. In *Australian - Slovenian Polymer Meeting - ASPM 2013, 3-5 April 2013, Bled, Slovenia : el. zbornik*. - Ljubljana, Slovenia : Centre of Excellence PoliMat, 2013, p. 17. ISBN 978-961-269-992-5.
- AFE09 LACÍK, Igor. Kinetics and mechanism of radical polymerization in aqueous solutions. In *Danube Vltava Sava Polymer Meeting : DVSPM 2015 : proceedings of a conference on polymer science*. - Linz, Austria : Trauner Verlag Univesitat, 2015, p. 6. ISBN 978-3-99033-491-1.
- AFE10 LACÍK, Igor. Microcapsules for cell encapsulation. In *Polymers for Advanced Technologies*, 2013, vol. 24, suppl. 1, p. 30. (1.635 - IF2012). (2013 - Current Contents). ISSN 1042-7147.
- AFE11 LACÍK, Igor. Microcapsules for immunoprotection of transplanted islets of Langerhans. In *Functional Polymers at Bio-Material Interfaces : 79th Prague Meeting on MACromolecules : book of abstracts and programme*. - Prague, Czech Republic : Institute of Macromolecular Chemistry, 2015, p. 30. ISBN 978-80-85009-82-8.
- AFE12 LACÍK, Igor - ROKSTAD, A. - HLOUŠKOVÁ, Gabriela - STEINKJER, B. - ESPEVIK, T. - KASÁK, Peter - SEMAK, V. - TREŤOVÁ, Dušana - SOBOLČIAK, Patrik. Microcapsules for immunoprotection of transplanted islets in diabetes. In *27th Congress of the Federation of the International Danube Symposia on Diabetes Mellitus : Budapest, Hungary, 28 - 30 June 2012 : abstract book*. - Budapest, Hungary : Hungarian Diabetes Association, 2012, p. 26.
- AFE13 MOSNÁČKOVÁ, Katarína - MIČUŠÍK, Matej - FEDORKO, Pavol - CHEHIMI, Mohamed M. - OMASTOVÁ, Mária. Textiles coated with polypyrrole: production, properties, and stability. In *Fibers for Progress : Liberec, Czech Republic, May 21-23, 2014 : book of abstracts*. - Liberec, Czech Republic : Technical University of Liberec, 2014, p.

- AFE14 OMASTOVÁ, Mária - CZANIKOVÁ, Klaudia - MIČUŠÍK, Matej - KASÁK, Peter - CHORVÁT, Dušan Jr. - KRUPA, Igor. Actuating elastomeric composites containing multiwall carbon nanotubes. In *7th international conference on Nanostructured polymers and nanocomposites : Prague - Czech Republic, April 24 - 27 2012 : book of abstracts.* - Prague - Czech Republic : Institute of Macromolecular Chemistry, 2012, p. [2]. ISBN 978-80-85009-71-2.
- AFE15 OMASTOVÁ, Mária. Carbon nanofillers composites for advanced applications. In *Eurofillers Polymer Blend 2015 : Montpellier, France, April 26th - 30th, 2015 : book of abstracts.* - Montpellier, France : Universite Montpellier, 2015, non p., KN14.
- AFE16 OMASTOVÁ, Mária - ASWAL, Dinesh K. - CHEHIMI, Mohamed M. Conductive Polymer Hybrids: The role of coupling agents and surfactants. In *EUPOC 2015 : Conducting Polymeric Materials : Gargnano, Italy, 24 - 28 May 2015 : abstract booklet & list of participants.* - Pisa, Italy : University of Pisa, 2015, p. 3.
- AFE17 RYCHLÝ, Jozef - RYCHLÁ, Lýdia - CHMELA, Štefan - HRONEC, Milan. Pre-oxidation of polymers on their route to biodegradation. In *BPPA 14 : International Conference on Bio-Friendly Polymers and Polymer Additives: From Scientific Aspects to Processing and Applications : Budapest, Hungary, 19-21 May, 2014 : program and book of abstracts.* - Budapest, Hungary : Hungarian Academy of Sciences, 2014, p. 7. ISBN 978-963-08-9492-0.

AFFA Abstracts of invited papers from international conferences in Slovakia

- AFFA01 BOČA, Miroslav - BARBORÍK, Peter - MIČUŠÍK, Matej - OMASTOVÁ, Mária. X-ray photoelectron spectroscopy as a tool for identification of fluorine atoms with different bonding properties. In *ESAS 2012 - XXth SCSC. European symposium on atomic spectrometry 2012. XXth Slovak-Czech spectroscopic conference, october 7-12, 2012 : book of abstracts.* - Bratislava : Comenius University, Bratislava, 2012, p. 23. ISBN 978-80-223-3292-7.
- AFFA02 OMASTOVÁ, Mária. Actuations of polymeric nanocomposites containing carbon nanotubes. In *SAS - IVF - JST Workshop : Smolenice, Slovakia, 9 - 11 July 2013.* - Bratislava : Slovak Academy of Sciences, Visegrad Fund, JST, 2013, p.43 - 45.

AFG Abstracts of papers from foreign conferences

- AFG01 AHMADLOO, Hamideh - STACH, Marek - LACÍK, Igor - WANDREY, C. Kinetic-mechanistic study of the radical polymerization of highly charged cationic monomers. In *ISP 2012: 9th International Symposium on Polyelectrolytes : Lausanne, Switzerland, July 9 - 12, 2012 : abstracts.* - Lausanne, Switzerland : École Polytechnique Fédérale de Lausanne, 2012, p. P8-6.
- AFG02 AMARAL, F. - GRACA, M. P. - SANTOS, J. - ŠPITALSKÝ, Zdenko - ILČÍKOVÁ, Markéta - CZANIKOVÁ, Klaudia - MOSNÁČEK, Jaroslav. Polymer-ceramic nanocomposites for embedded capacitors. In *Proceedings of the 5th International Conference on Nanotechnology: Fundamentals and Applications :*

Prague, Czech Republic, August 11-13, 2014. - Prague, Czech Republic, 2014, paper no. 302.

- AFG03 BÁBELOVÁ, Andrea - MESÁROŠOVÁ, Monika - KOZICS, Katarína - SEDLÁČKOVÁ, Eva - PASTOREK, Michal - VNUKOVÁ, Dominika - NÉMETHOVÁ, Veronika - BULIAKOVÁ, Barbora - URSÍNYOVÁ, M. - RÁZGA, Filip - GÁBELOVÁ, Alena. The impact of reactive oxygen species on the biological activity of surface-modified magnetite nanoparticles. In *NANOCON 2014, 6th international conference : conference proceedings*. - Ostrava : AMOS repro Ltd., 2014, p. 64. ISBN 978-80-87294-55-0. VEGA no. 2/0051/09, 2/0143/13 and 2/0163/12, APVV-0658-11.
- AFG04 BAŇASOVÁ, Mária - VALACHOVÁ, Katarína - SASINKOVÁ, Vlasta - RYCHLÝ, Jozef - MENDICHI, Raniero - JURÁNEK, Ivo - ŠOLTÉS, Ladislav. Effect of bucillamine on hyaluronan degradation induced in vitro by reactive oxygen species. In *FEBS Journal*, 2013, vol. 280, suppl. 1, p. 295. (4.250 - IF2012). (2013 - Current Contents). ISSN 1742-464X. VEGA 2/0011/11, VEGA 2/0149/12, APVV 0351-10.
- AFG05 BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena - YU, Y. - KRAUSE-REHBERG, R. - ARRESE-IGOR, S. - ALEGRÍA, A. Atomistic and molecular probe characterization of poly(isoprene)s by PALS and ESR in relation to broadband dielectric spectroscopy. In *BDS 2012 : Broadband Dielectric Spectroscopy and its Applications : Leipzig, 3rd - 7th September, 2012 : book of abstracts*. - Leipzig, Germany : Universitat Leipzig, 2012, p. 72.
- AFG06 BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena - YU, Yang - KRAUSE-REHBERG, Reinhard. Molecular dynamics and free volume in 1,2-poly(butadiene) vs. 1,4-poly(butadiene). In *7th International Discussion Meeting on Relaxations in Complex Systems : Barcelona, Spain, July 21th - July 26th, 2013 : book of abstracts*. - Barcelona, Spain : Universitat Politècnica de Catalunya, 2013, p. [DV-104].
- AFG07 BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena - ARRESE-IGOR, S. - ALEGRÍA, A. Resolution of the segmental dynamics in a series of oligomeric 1,4-poly(isoprene)s by selective effect of polar small molecular organic compound. In *ESMI Science day : Annual Meeting 2014 : Heraclion, Greece, 29. May 2014 : collection of abstracts*. - Heraclion, Greece : European Soft Matter Infrastructure, 2014, p. non page.
- AFG08 BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena - ARRESE-IGOR, S. - ALEGRIA, A. Resolving the segmental dynamics in oligomeric 1,4-poly(isoprene)s by selective effect of polar small molecule organic compound. In *BDS 2014 : 8th International Conference on Broadband Dielectric Spectroscopy and its Applications : Wisla, Poland, September 14-19, 2014 : programme and book of abstracts*. - Katowice, Poland : Institute of Physics, University of Silesia in Katowice, 2014, p. O-49. ISBN 978-83-8012-276-5.
- AFG09 BARTOŠ, Josef - LUKEŠOVÁ, Miroslava - ŠVAJDLENKOVÁ, Helena - ZGARZINSKA, B. - ZALESKI, R. - CHARMAS, B. - EDELMANN, M. Spin

probe dynamics in crystalline organics and its relationship to free volume using ESR and PALS. The case of odd vs. even n-alkanes. In *XXVI International EPR Seminar 2015 : book of abstracts*. - Graz, Austria : Graz University of Technology, 2015, p. 31-32.

- AFG10 BENKOVÁ, Zuzana - NÁMER, Pavol - CIFRA, Peter. From stripe to slab confinement for DNA linearization in nanochannels. In *Thermodynamics : Copenhagen, 15-18 September, 2015 : book of abstracts*. - Lyngby, Denmark : DTU Chemical Engineering, 2015, p. 159.
- AFG11 BENKOVÁ, Zuzana - NÁMER, Pavol - CIFRA, Peter. From stripe to slab confinement for DNA linearization in nanochannels. In *(bio)Macromolecular ionic systems : Český Krumlov 2015 : book of abstracts*. - 2015, non p.
- AFG12 BENKOVÁ, Zuzana - CORDEIRO, Maria Natalia Dias Soeiro. Interactions between poly(ethylene oxide) chains grafted on the silica and interfacial water molecules. In *International Soft Matter Conference 2013 : Rome , Italy, September 15 - 19, 2013 : book of poster abstracts*. - Rome, Italy : Sapienza Università di Roma, 2013, p. 696 - 697.
- AFG13 BENKOVÁ, Zuzana. Molecular dynamics simulations of poly(ethylene oxide) grafted onto silica immersed in melt of homopolymers. In *CCP5 AGM 2015 : Lancaster, England, 7th - 9th September, 2015*. - Lancaster, England : Lancaster University, 2015, p. 9.
- AFG14 BEREK, Dušan. Advanced liquid chromatographic techniques for separation and comprehensive molecular characterization of complex polymer systems. In *Macro 2012 : Enabling Technologies for a Safe, Sustainable, Healthy World : World Polymer Congress : Blacksburg, USA, June 24-29, 2012 : abstracts book on USB key [elektronický zdroj]*. - Blacksburg, Virginia USA : VirginiaTech, 2012, [1 p.]. Názov z obrazovky.
- AFG15 BEREK, Dušan. Advanced liquid chromatographic techniques for separation and comprehensive molecular characterization of complex polymer systems. In *PPC 13 : The 13th Pacific Polymer Conference : Kaohsiung, Taiwan, November 17 -22, 2013 : proceedings*. - Kaohsiung, Taiwan : krtco.com, 2013, s1-19. Názov z obrazovky.
- AFG16 BEREK, Dušan - ŠIŠKOVÁ, Alena. Comprehensive molecular characterization of synthetic polymers with liquid chromatography method. In *POLYCHAR 20: World forum on advanced materials : Dubrovnik - Croatia, March 26th - 30th 2012 : book of abstracts*. - Zagreb, Croatia : University of Zagreb, 2012, p. 100. ISBN 978-953-6470-57-0.
- AFG17 BEREK, Dušan. Comprehensive molecular characterization of multicomponent polymer systems by novel liquid chromatography methods. In *APME 2013: 10th IUPAC International Conference on Advanced Polymers via Macromolecular Engineering, Durham, UK, August 18th - 22nd, 2013 : programme and abstracts*. - Durham, UK : Durham University, Durham Centre for Soft Matter, 2013, p. 108.

- AFG18 BEREK, Dušan. Comprehensive molecular characterization of complex polymer systems by advanced liquid chromatography methods. In *New Achievement in Chromatography : 19th International Symposium on Separation Sciences : Poreč, Croatia, 25 - 28 September 2013 : book of abstracts*. - Zagreb, Croatia : Croatian Society of Chemical Engineers, 2013, p. 23 - 24. ISBN 978-953-6470-64-8.
- AFG19 BEREK, Dušan. Modern liquid chromatography methods for molecular characterization of advanced synthetic polymers. In *21th International Symposium on Separation Sciences : book of abstracts*. - Ljubljana, Slovenia : National Institute of Chemistry, 2015, p. 7. ISBN 978-961-6104-28-9.
- AFG20 BEREK, Dušan - NOVÁK, Ivan - KÚDELA, Stanislav, Jr. Nanoporous carbon fibres from natural cellulosic precursors. In *ROuen Symposium on Advanced Materials*. - Rouen : Institute for Material Research, 2013, s.18.
- AFG21 BEREK, Dušan - NOVÁK, Ivan. Nanoporous carbon fibers from natural cellulosic precursors. In *PPM 2013: The Abstracts of the 1st International Porous and Powder Materials Symposium and Exhibition : Izmir, Turkey, 3 - 6 September 2013*. - Izmir, Turkey : The Organizing Committee of The International Porous and Powder Materials Symposium and Exhibition, 2013, p. 42.
- AFG22 BEREK, Dušan - NOVÁK, Ivan - MUNKA, Karol - KARÁCSONYOVÁ, Monika - VARGA, Stanislav. Príprava, vlastnosti a aplikácie nanopórových uhlíkových vlákien pripravených karbonizáciou celulózy pri úprave vody. In *Voda Zlín 2015 : sborník príspevků*. - Olomouc, ČR : Moravská vodárenská a.s., 2015, p. 133-135.
- AFG23 BEREK, Dušan. Recent progress in liquid chromatography of synthetic polymers. In *BIT's 1st Annual world congress of Advanced materials - 2012 : Beijing, China, June 6-8, 2012*. - Beijing, China : BIT Congress Inc., 2012, p. 11.
- AFG24 BEREK, Dušan. Recent progress in liquid chromatography of synthetic polymers. In *ISC 2012 : 29th International Symposium on Chromatography : 18th International Symposium on Separation Sciences : Toruń, Poland : September 9 - 13, 2012 : book of abstracts*. - Toruń, Poland : Wydawnictwo Adam Marszałek, 2012, p. 44. ISBN 978-83-7780-428-5.
- AFG25 BEREK, Dušan. Size exclusion chromatography - A blessing and curse of polymer science and technology. In *20th International Symposium on Separation Sciences : abstract book and final programme*. - Pardubice, ČR : Univerzita Pardubice, 2014, p. 29. ISBN 978-80-7395-777-3.
- AFG26 BEREK, Dušan. Size exclusion chromatography - a standard but still immature method of molecular characterization of synthetic polymers. In *XIV Latin American Symposium on Polymers and XII Ibero American Congress on Polymers : Porto de Galinhas, Brazil : October 12th - 16th, 2014 : abstracts*. - Brazil : ABPol, 2014, non p. ISBN 978-85-63273-26-0.
- AFG27 BHANDARY, Debdip - BENKOVÁ, Zuzana - CORDEIRO, M. Natália D. S. - SINGH, Janyant K. Wetting on grafted thermo-responsive polymer brushes: A

molecular dynamics study. In *Thermodynamics : Copenhagen, 15-18 September, 2015 : book of abstracts*. - Lyngby, Denmark : DTU Chemical Engineering, 2015, p. 61.

- AFG28 BLEHA, Tomáš - CIFRA, Peter. Detection of chain backfolding in simulation of DNA in nanofluidic channels. In *Chemické listy : 4th EuCheMS Chemistry Congress : August 26 - 30, 2012, Prague, Czech republic : abstract book* [seriál]. - Praha : Česká společnost chemická, 2012, roč. 106, č. S, s. s1247. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770. Názov z obrazovky. Požaduje sa Adobe Acrobat.
- AFG29 BLEHA, Tomáš - PALENČÁR, Peter. Thermodynamic stability and buckling of long-alpha-helices. In *International Soft Matter Conference 2013 : Rome, Italy, September 15 - 19, 2013 : book of poster abstracts*. - Rome, Italy : Sapienza Università di Roma, 2013, p. 269.
- AFG30 BOČA, Miroslav - BARBORÍK, Peter - MIČUŠÍK, Matej - OMASTOVÁ, Mária. X-ray photoelectron spectroscopy as a tool for identification of particular phases containing fluorine atoms of different bonding properties in mixture prepared by molten salts method. In *EUCHEM2012. Molten salts and ionic liquids xxiv, 5-10 august, 2012 : book of oral abstracts* [elektronický zdroj]. - UK, 2012, p. 55. Názov z obrazovky. Požaduje sa Adobe Acrobat Pro.
- AFG31 BODIK, M. - ŠIFFALOVÍČ, Peter - NÁDAŽDY, Vojtech - VOJTKO, Andrej - KAISER, Michal - VÉGSO, Karol - HODAS, Martin - JERGEL, Matej - MAJKOVÁ, Eva - ŠPITALSKÝ, Zdenko - OMASTOVÁ, Mária. Modified langmuir-Schaefer method for large-scale deposition of graphene oxide layers in polymer solar cell research. In *graphene 2014 : International Conference & Exhibition : Toulouse, France, May 06-09, 2014 : poster book vol. 1*. - Toulouse, France : Phantoms foundations, 2014.
- AFG32 BORSKÁ, Katarína - MOSNÁČEK, Jaroslav - DANKO, Martin. Irradiation studies of biodegradable polyesters doped with benzil. In *BPPA 14 : International Conference on Bio-Friendly Polymers and Polymer Additives: From Scientific Aspects to Processing and Applications : Budapest, Hungary, 19-21 May, 2014 : program and book of abstracts*. - Budapest, Hungary : Hungarian Academy of Sciences, 2014, p. 41. ISBN 978-963-08-9492-0.
- AFG33 BORSKÁ, Katarína - DANKO, Martin - MOSNÁČEK, Jaroslav. Photochemical treatment of benzil in poly(epsilon-caprolactone) matrix. In *EPF 2013 : European Polymer Congress : Pisa, Italy, June 16 - 21, 2013 : book of abstract*. - Pisa, Italy : European Polymer Federation, 2013, p. [P4-25].
- AFG34 BUČKO, Marek - GEMEINER, Peter - SCHENKMAYEROVÁ, Andrea - BERTÓKOVÁ, Anikó - Illéssová - VIKARTOVSKÁ, Alica - Welwardová - LACÍK, Igor. Encapsulation of Baeyer-Villiger monooxygenases as a tool for research of biooxidations. In *XXI International Conference on Bioencapsulation : Berlin, Germany, August 28 -30, 2013 : abstract book*. - Berlin, Germany : TU Berlin, Bioencapsulation Research Group, 2013, p. 158-159.

- AFG35 BUČKO, Marek - GEMEINER, Peter - VIKARTOVSKÁ, Alica, Welwardová - SCHENKMAYEROVÁ, Andrea - BERTÓKOVÁ, Anikó - LACÍK, Igor - CHORVÁT, Dušan Jr. - NEDĚLA, Vilém. Progress in imaging techniques for characterization of polyelectrolyte complex microcapsules as encapsulation matrice for biocatalysts. In *Programme, Abstracts: Workshop of Interesting Topics of SEM and ESEM, August 26-31, 2014, Mikulov, Czech Republic.* - Brno : Institute of Scientific Instruments AS CR, 2014, vvi, 2014, p. 36-37. ISBN 978-80-87441-12-1.
- AFG36 BUJDÁK, Juraj - SAS, Samuel - DANKO, Martin - CHORVÁT, Dušan Jr. - CZÍMEROVÁ, Adriana - SÝKORA, J. - LANG, Kamil. Modification of clay mineral particle edges with reactive fluorophores. In *Informátor*, 2012, no. 49, p. 117. ISSN 1802-2480.
- AFG37 BUJDÁK, Juraj - DANKO, Martin - CHORVÁT, Dušan Jr. - CZÍMEROVÁ, Adriana - SÝKORA, Jan - SAS, Samuel - LANG, Kamil. Selective grafting of clay mineral nanoparticles with reactive agents bearing fluorophore moieties. In *XV International Clay Conference : Rio de Janeiro, Brazil, July 7-11, 2013.* - Rio de Janeiro, Brazil : Universidade Federal do Rio de Janeiro, 2013.
- AFG38 BULIAKOVÁ, Barbora - MESÁROŠOVÁ, Monika - ŠELC, Michal - KRETOVÁ, Miroslava - URSÍNYOVÁ, M. - ČIAMPOR, Fedor - RÁZGA, Filip - VNUKOVÁ, Dominika - GÁBELOVÁ, Alena. The surface-modified magnetite nanoparticles induce ERK1/2, SAPK/JNK and p53 phosphorylation in A549 cells. In *10th International conference on the scientific and clinical applications of magnetic carriers.* - Germany : Technische universitat Dresden, 2014, p. 61. VEGA no. 2/0051/09, 2/0143/13, 2/0163/12 and APVV-0658-11.
- AFG39 BUZOVA, Diana - HUNTOSOVA, Veronika - NADOVA, Zuzana - PETROVAJOVA, Dana - JONIOVA, Jaroslava - KASÁK, Peter - JANCURA, Daniel - SUREAU, Franck - MISOVSKY, Pavol. LDL-dextran: a new delivery system for hydrophobic photosensitizers. In *Regional Biophysic Conference 2012: Kladovo-Belgrade, Serbia, September 03 - 07, 2012 : book of abstracts.* - Belgrade, Serbia : Biophysical Society of Serbia, 2012, p.[P65.S5].
- AFG40 CAPEK, Ignác - CAPEK, Peter. Magnetic nanoparticles and their hybrids. In *Chemické listy*, 2014, vol. 108, p. 920. (0.196 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0009-2770.
- AFG41 CIFRA, Peter - BENKOVÁ, Zuzana - BLEHA, Tomáš. Linear and ring DNA macromolecules moderately and strongly confined in nanochannels. In *APS MARCH MEETING 2013 : Baltimore, USA, March 13 - 22, 2013 : abstract book.* - Baltimore, USA : APS, 2013, p. non page.
- AFG42 CIFRA, Peter - RAČKO, Dušan. Segregation and chain extension of overlapping semiflexible macromolecules in channel. In *Bulletin of the American Physical Society*, 2014, vol. 59, no. 1, [S10.04].
- AFG43 CLEMENTI, Luis - VEGA, Jorge - ŠIŠKOVÁ, Alena - MEIRA, Gregorio - BEREK, Dušan. Sequenced two-dimensional liquid chromatography: molar mass distributions in a binary polymer blend. In *21th International Symposium on*

Separation Sciences : book of abstracts. - Ljubljana, Slovenia : National Institute of Chemistry, 2015, p. 228. ISBN 978-961-6104-28-9.

- AFG44 CLEMENTI, Luis A. - VEGA, Jorge R. - MEIRA, Gregorio R. - BEREK, Dušan. Polymers contaminated by minority constituents : A method for correcting the molar masses determined by SEC/DR. In *XIV Latin American Symposium on Polymers and XII Ibero American Congress on Polymers : Porto de Galinhas, Brazil : October 12th - 16th, 2014 : abstracts.* - Brazil : ABPol, 2014, non p. ISBN 978-85-63273-26-0.
- AFG45 CZANIKOVÁ, Klaudia - KRUPA, Igor - KASÁK, Peter - OMASTOVÁ, Mária. Elastomer/carbon nanotubes actuators. In *15. Österreichische Chemietage : Graz, Austria, September 23 - 26, 2013.* - Graz, Austria : TU Graz, 2013, pO-172.
- AFG46 CZANIKOVÁ, Klaudia - MIČUŠÍK, Matej - TABAČIAROVÁ, Jana - OMASTOVÁ, Mária. Elastomeric/carbon nanotubes nanocomposites for photo-actuation and sensing systems. In *CNPComp 2013 : 6th International Conference on Carbon Nanoparticle Based Composites : Dresden, Germany, 22 to 25 September, 2013 : collection of extended abstracts.* - Dresden, Germany : Leibniz-Institut für Polymerforschung Dresden, 2013, [C43]. ISBN 978-3-981-6007-0-4.
- AFG47 CZANIKOVÁ, Klaudia - KRUPA, Igor - KASÁK, Peter - OMASTOVÁ, Mária - ŠMATKO, Vasilij. Photo-actuation properties in composites containing multiwalled carbon nanotubes and elastomers. In *ICPAC 2012: international conference on Pure and applied chemistry : Chemistry: the key for our future : Mauritius, 2 - 6 July 2012 : book of abstracts.* - Mauritius : University of Mauritius, 2012, p. 99.
- AFG48 CZANIKOVÁ, Klaudia - KRUPA, Igor - OMASTOVÁ, Mária. Photo-thermal actuation study of ethylene vinyl acetate nanocomposites filled with modified multi-wall carbon nanotubes. In *Wurzburg Summer School on Supramolecular Nanosystem : book of abstracts.* - Wurzburg, Germany : Julius-Maximilians-University, 2015, p. 27.
- AFG49 CZANIKOVÁ, Klaudia - KRUPA, Igor - ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - CAMPO, E. - RAČKO, Dušan - OMASTOVÁ, Mária. Photo-thermal actuation study of elastomer/carbon nanotubes nanocomposites. In *The 3rd CEEP Workshop on Polymer Science : proceedings.* - Iasi, Romania : Petru Poni Institute of Macromolecular Chemistry, 2015, p. 26-27.
- AFG50 CZANIKOVÁ, Klaudia - KRUPA, Igor - OMASTOVÁ, Mária. Photo-thermal actuation of ethylene vinyl acetate nanocomposites filled with carbon nanotubes. In *Frontiers in polymer science : Fourth International Symposium : in association with the journal Polymer : Riva del Garda, Italy, 20 - 22 May 2015.* - Elsevier, 2015, non p., P3.053.
- AFG51 CZANIKOVÁ, Klaudia - KRUPA, Igor - SGHAIER, Asma Ben - CHEHIMI, Mohamed M. - OMASTOVÁ, Mária. Photo-thermal actuation of ethylene vinyl acetate nanocomposites containing carbon nanotubes. In *EUPOC 2015 : Conducting*

Polymeric Materials : Gargnano, Italy, 24 - 28 May 2015 : abstract booklet & list of participants. - Pisa, Italy : University of Pisa, 2015, p. 63.

AFG52 CZANIKOVÁ, Klaudia - KRUPA, Igor - OMASTOVÁ, Mária. Smart actuators on the base of elastomer/carbon nanotubes nanocomposites. In *ICSM 2014 : Synthetic Metals Guiding the Future : Turku, Finland, 30 Jun- 5 Jul 2014 : abstracts.* - Turku, Finland : University of Turku, 2014, p. 48.

AFG53 CZANIKOVÁ, Klaudia - ILČÍKOVÁ, Markéta - KASÁK, Peter - VALENTIN, Marian - KRUPA, Igor - OMASTOVÁ, Mária. Štúdium fotoaktuácie elastomérov plnených uhlíkovými nanotrubičkami rôznymi metódami. In *Chemické listy*, 2012, roč. 106, č. 6, s. 552. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770.

AFG54 ČAVARGA, Ivan - BILČÍK, Boris - VÝBOH, Pavel - MIŠKOVSKÝ, P. - KOŠTÁL, Ľubor - KASÁK, Peter - ČUNDERLÍKOVÁ, B. - MLKVÝ, P. - MATEAŠÍK, A. - CHORVÁT, D. - CHORVÁTOVÁ, A. Photodynamic effect of hypericin studied on a quail chorioallantoic membrane (CAM) model. In *9th International Symposium on Photodynamic Therapy and Photodiagnosis in Clinical Practice and 4th International Meeting of the European Platform for Photodynamic Medicine (EPPM) : Brixen/Bressanone, Italy, October 16 - 20, 2012 : book of abstracts.* - Padova, Italy : Universita Degli Studi di Padova, 2012, [1 p.].

AFG55 ČÍKOVÁ, Eliška - MICUŠÍK, Matej - ŠIŠKOVÁ, Alena - OMASTOVÁ, Mária. Conducting electrospun polycaprolactone/polypyrrole fibers. In *EUPOC 2015 : Conducting Polymeric Materials : Gargnano, Italy, 24 - 28 May 2015 : abstract booklet & list of participants.* - Pisa, Italy : University of Pisa, 2015, p. 49.

AFG56 ČÍKOVÁ, Eliška - ŠIŠKOVÁ, Alena - OPÁLEK, Andrej - OMASTOVÁ, Mária. Electronspun poly(e-caprolactone) fibers: Effects of processing on fiber morphology. In *Applications of Electrospinning in Composites, Nanofabrication, Food, Packaging, Pharma and Controlled Release : COST MP1206 Electrospinning : Novi Sad, Serbia, 25th-27th March 2015 : program and book of abstracts.* - Novi Sad, Serbia : Tehnološki fakultet, 2015, p. 81. ISBN 978-86-6253-043-1.

AFG57 DANKO, Martin - LIBISZOWSKI, Jan - BEREK, Dušan - MACOVÁ, Eva - DUDA, Andrzej. Controlled synthesis and characterization of the well-defined multiblock poly(L-lactide) - poly(epsilon-caprolactone) copolymers. In *BPPA 14 : International Conference on Bio-Friendly Polymers and Polymer Additives: From Scientific Aspects to Processing and Applications : Budapest, Hungary, 19-21 May, 2014 : program and book of abstracts.* - Budapest, Hungary : Hungarian Academy of Sciences, 2014, p. 29. ISBN 978-963-08-9492-0.

AFG58 DANKO, Martin - RIECKA, Milica - MOSNÁČEK, Jaroslav. Copolymers of gamma-lactones prepared by ring-opening polymerization. In *EUPOC 2014 : Precision Polymers: Synthesis, Folding and Function : Gargnano, Italy, 25 - 29 May 2014 : booklet of abstracts.* - Pisa, Italy : University of Pisa, Department of Chemistry & Industrial Chemistry, 2014, p. 59.

- AFG59 DANKO, Martin - ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - ŠPITALSKÝ, Zdenko - DOROSHENKO, Mikhail - KOYNOV, Kaloian. Fluorescent labeling of carbon-based nanofillers for their visualization in polymer matrix. In *Pomerania-Plast 2013: Materiały Polimerowe : Międzyzdroje, Poland, 4 - 7czerwca 2013*. - Szczecin, Poland : Wydawnictwo Uczelniane Zachodniopomorskiego Uniwersytetu Technologicznego w Szczecinie, 2013, p. 179 - 180. ISBN 978-83-7663-153-0.
- AFG60 DANKO, Martin - KASÁK, Peter - HRDLOVIČ, Pavol. On the application of static dimers of mono-substituted derivatives of pyrene yielding excimer like emission for characterization of interactions in polymer matrices. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura konference*. - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 19-21. ISBN 978-80-85009-81-1.
- AFG61 DANKO, Martin - HRDLOVIČ, Pavol - KULHÁNEK, J. - BUREŠ, F. Y-shaped push-pull fluorophores based on imidazole: Spectral properties in solution and in polymer matrices. In *CECP 2012: Central European Conference on Photochemistry: Bad Hofgastein, Austria, February 5 - 9, 2012*. - Graz, Austria : European Photochemical Assoziation, 2012, p. 104.
- AFG62 FALCO, M. Lorena - MOSNÁČKOVÁ, Katarína - PAPAJOVÁ, Eva - DANKO, Martin - MOSNÁČEK, Jaroslav. Polymers biodegradation in soil. In *BPPA 14 : International Conference on Bio-Friendly Polymers and Polymer Additives: From Scientific Aspects to Processing and Applications : Budapest, Hungary, 19-21 May, 2014 : program and book of abstracts*. - Budapest, Hungary : Hungarian Academy of Sciences, 2014, p. 21. ISBN 978-963-08-9492-0.
- AFG63 FLORIÁN, Štěpán - NOVÁK, Igor - ŽIGO, Ondrej - VALENTIN, Marian. Surface and adhesion properties of wood treated by low-temperature plasma. In *TVIP 2015 : Hustopeče, ČR, 18. - 20. 3. 2015*. - Praha, ČR : CEMC, 2015, non.p. ISBN 978-80-85990-26-3.
- AFG64 GÁBELOVÁ, Alena - MESÁROŠOVÁ, Monika - CHALUPA, Ivan - KOZICS, Katarína - BÁBELOVÁ, Andrea - BULIAKOVÁ, Barbora - ŠELC, Michal - URSÍNYOVÁ, M. - VÁVRA, Ivo - TIMKO, Milan - ČIAMPOR, Fedor - VNUKOVÁ, Dominika - RÁZGA, Filip. Nanočástice magnetitu - nano: bio interakcie in vitro. In *Genetická toxikologie a prevence rakoviny : 37. Pracovní dny České a Slovenské společnosti pro mutagenezi zevním prostředím Československé biologické společnosti*. - Brno, 2014, s. 59. ISBN 978-80-7013-568-6. VEGA 2/0051/09, 2/0143/13 a 2/0163/12, APVV-0658-11, TRANSMED ITMS: 26240120008, TRANSMED 2 ITMS: 26240120030, ITMS: 26240220071.
- AFG65 GÁBELOVÁ, Alena - MESÁROŠOVÁ, Monika - BÁBELOVÁ, Andrea - KOZICS, Katarína - SEDLÁČKOVÁ, Eva - PASTOREK, Michal - NÉMETHOVÁ, Veronika - BULIAKOVÁ, Barbora - RÁZGA, Filip - MORAVČÍKOVÁ, Daniela - ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - URSÍNYOVÁ, M. - ČIAMPOR, Fedor - MAŇKA, Ján - CIGÁŇ, Alexander. The interactions of surface modified magnetic iron oxide nanoparticles with human lung cells in vitro. In *GlowBrain final conference : Stem cell and biomaterial applications for brain repair*. - Zagreb :

GlowBrain, 2015, p. 53. VEGA no. 2/0051/09, 2/0143/13, 2/0152/13, 2/0113/15 and APVV-0658-11.

- AFG66 GÁBELOVÁ, Alena - MESÁROŠOVÁ, Monika - BÁBELOVÁ, Andrea - KOZICS, Katarína - SEDLÁČKOVÁ, Eva - PASTOREK, Michal - NÉMETHOVÁ, Veronika - BULIAKOVÁ, Barbora - RÁZGA, Filip - ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - URSÍNYOVÁ, M. - ČIAMPOR, Fedor. The surface modified magnetic iron oxide nanoparticles, interactions of nanoparticles with cells in vitro. In *Bridges in life sciences 10th annual scientific conference*. - RECOOP HST association, 2015, p. 90. ISBN 978-963-12-2210-4. VEGA no. 2/0051/09, 2/0143/13 and 2/0113/15, APVV-0658-11.
- AFG67 HAEHNEL, Alexander P. - SCHNEIDER-BAUMANN, Maria - STACH, Marek - CHOVANCOVÁ, Anna - HILTEBRANDT, Kai U. - ARENS, Lukas - MISSKE, Andrea M. - FLEISCHHAKER, Friederike Y. - LACÍK, Igor - BARNER-KOWOLLIK, Christopher. Precision kinetic data for precision polymer design: A systematic laser polymerization study. In *APME 2013 : 10th IUPAC International Conference on Advanced Polymers via Macromolecular Engineering : Durham, UK, August 18th - 22nd 2013 : programme and abstracts*. - Durham, UK : Durham University, Durham Centre for Soft Matter, 2013, [P79].
- AFG68 HLOUŠKOVÁ, Gabriela - ROKSTAD, A. M. - KASÁK, Peter - MIHÁLOVÁ, Andrea - TRELOVÁ, Dušana - SOBOLČIAK, Patrik - SEMAK, Vladislav - STEINKJER, B. - ESPEVIK, T. - LACÍK, Igor. Biocompatibility of microcapsules aimed at encapsulation of islets assessed by human whole blood assay. In *Macro 2012 : Enabling Technologies for a Safe, Sustainable, Healthy World : World Polymer Congress : Blacksburg, USA, June 24-29, 2012 : abstracts book on USB key* [elektronický zdroj]. - Blacksburg, Virginia USA : VirginiaTech, 2012, [1 p.]. Názov z obrazovky.
- AFG69 HLOUŠKOVÁ, Gabriela - LACÍK, Igor - STEINKJER, B. - ESPEVIK, T. - KASÁK, Peter - SEMAK, V. - TRELOVÁ, Dušana - SOBOLČIAK, Patrik - ROKSTAD, A. Microcapsules for immunoprotection of transplanted islets in diabetes treatment: steps toward the clinic. In *27th Congress of the Federation of the International Danube Symposia on Diabetes Mellitus : Budapest, Hungary, 28 - 30 June 2012 : abstract book*. - Budapest, Hungary : Hungarian Diabetes Association, 2012, p. 35.
- AFG70 HRČKOVÁ, Ľudmila - CHMELA, Štefan - KOLLÁR, Jozef. Nitroxidmi regulovaná radikálová polymerizácia. In *Sborník příspěvku konference PLASTKO 2012 : Zlín - ČR, 11. - 12. 4. 2012* [elektronický zdroj]. 1. vyd. - Zlín, ČR : Univerzita Tomáše Bati, 2012, p. [327]. ISBN 978-80-7454-137-7. Názov z obrazovky. Požaduje sa Adobe Acrobat.
- AFG71 HRČKOVÁ, Ľudmila - KOLLÁR, Jozef - CHMELA, Štefan - MACOVÁ, Eva - ŠÍŠKOVÁ, Alena - BEREK, Dušan. Príprava blokových kopolymérov nitroxidmi riadenou kontrolovanou radikálovou polymerizáciou. In *Chemické listy*, 2014, roč. 108, č. 8, s. 787. (0.196 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0009-2770.

- AFG72 HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna - SASINKOVÁ, Vlasta - VRCHOTOVÁ, N. - MATISOVÁ - RYCHLÁ, Lýdia - CSOMOROVÁ, Katarína. Thermal and thermo-oxidative stability of lignins. In *Workshop on Challenges in lignin analytics : thermal properties and quantification : COST Action FP0901 Analytical tool for biorefineries : Espoo, Finland , August 30 - 31, 2012 : book of abstracts.* - Espoo, Finland : Aalto University, 2012, p. 26.
- AFG73 HUDÁKOVÁ, M. - RYCHLÁ, Lýdia - RYCHLÝ, Jozef. Cone calorimeter in the research of burning of thermally thin polymers. In *7th MoDeSt Conference : Prague, Czech Republic, 2 - 6 September 2012 : programme book with abstracts.* - Prague : the Institute of Macromolecular Chemistry AS CR, 2012, p. 60. ISBN 978-80-85009-74-3.
- AFG74 HURAN, Jozef - KADLEČÍKOVÁ, Magdaléna - KOBZEV, Alexander P. - VALOVIČ, Albín - KLEINOVÁ, Angela. Characterization of diamond-like carbon films prepared by RF-PECVD and ECR-PECVD techniques. In *Progress in Applied Surface, Interface and Thin Film Science 2012 (SURFINT-SREN III), May 14-18, 2012, Florence, Italy : extended abstract book of conference.* - Bratislava : Comenius University, 2012, p. 188. ISBN 978-80-223-3212-5.
- AFG75 HURAN, Jozef - VALOVIČ, Albín - BOHÁČEK, Pavol - SHVETSOV, Valery N. - KOBZEV, Alexander P. - KLEINOVÁ, Angela - SEKÁČOVÁ, Mária - ARBET, Juraj. The effect of neutron irradiation on the SiC and SiC(N) layer prepared by plasma enhanced chemical vapor deposition. In *Progress in Applied Surface, Interface and Thin Film Science 2012 (SURFINT-SREN III), May 14-18, 2012, Florence, Italy : extended abstract book of conference.* - Bratislava : Comenius University, 2012, p. 187. ISBN 978-80-223-3212-5.
- AFG76 CHMELA, Štefan - PAVLINEC, Jiří - FIEDLEROVÁ, Agnesa - CATEL, Yohann - MOSZNER, Norbert. Copolymerization kinetics of acrylamide and methacrylate bearing phosphonic acid and phosphonate with MMA. In *ESPS 2014 : 3rd European Symposium of Photopolymer Science : Vienna, Austria, September 9-12, 2014 : book of abstracts.* - Vienna, Austria : Institute of Applied Synthetic Chemistry, Vienna University of Technology, 2014, p. PO-22. ISBN 978-3-9502992-9-8.
- AFG77 CHMELA, Štefan - CZANIKOVÁ, Klaudia - MOSNÁČKOVÁ, Katarína - MOSNÁČEK, Jaroslav - KASZA, Gyorgy - NÁDOR, Attila - SZABÓ, Ákos - SZABÓ, Zsófia - SZARKA, Gyorgyi - IVÁN, Béla. New types of phenolic polymeric/oligomeric stabilizer and their testing in PE and PP photo-oxidation. In *BPPA 14 : International Conference on Bio-Friendly Polymers and Polymer Additives: From Scientific Aspects to Processing and Applications : Budapest, Hungary, 19-21 May, 2014 : program and book of abstracts.* - Budapest, Hungary : Hungarian Academy of Sciences, 2014, p. 45. ISBN 978-963-08-9492-0.
- AFG78 CHODÁK, Ivan. Crosslinked blends and composites with biodegradable plastics matrix. In *Sustainable Polymer Materials : S-PolyMat 2012 : Rolduc Polymer Meeting : Rolduc Abbey, the Netherlands, May 20 - 23, 2012 : book of abstracts.* - Maastricht : University of Maastricht, 2012, p.[25].

- AFG79 CHODÁK, Ivan - KRAJČI, Juraj. Electrical conductivity of composites as a tool for investigating the structure of reinforcing filler physical network. In *Frontiers in Polymer Science : Third International Symposium : Sitges, Spain, 21 -23 May 2013 : book of abstracts*. - www.frontiersinpolymerscience.com : Elsevier, 2013, [P2.145]. Názov z obrazovky.
- AFG80 CHODÁK, Ivan - KRAJČI, Juraj. Electrical conductivity of a composite as a tool for determination of structure of reinforcing filler network. In *EPF 2013 : European Polymer Congress : Pisa, Italy, June 16 - 21, 2013 : book of abstract*. - Pisa, Italy : European Polymer Federation, 2013, p. [02-47].
- AFG81 CHODÁK, Ivan - KRAJČI, Juraj. Electrical conductivity of composites as a tool for investigation of reinforcing filler physical network. In *Polymeric Materials 2012 : Halle (Saale), Germany, 12. - 14. September 2012 : abstracts*. - Halle : Martin Luther University Halle - Wittenberg, 2012, p. 69. ISBN 978-3-86829-517-7.
- AFG82 CHODÁK, Ivan. Modifying the properties of compostable plastics via peroxide-initiated crosslinking. In *BiPoCo 2012 : an International Conference on Bio-Based Polymers and Composites : Siófok, Hungary, May 27 - 31, 2012 : programme book*. - Budapest : Budapest University of Technology and Economics, 2012, p. 22.
- AFG83 CHODÁK, Ivan - KRAJČI, Juraj - ŠPITALSKÝ, Zdenko. Similarities between elastomeric and thermoplastic matrices in the structure of reinforcing carbon black filler network. In *Eurofillers Polymer Blend 2015 : Montpellier, France, April 26th - 30th, 2015 : book of abstracts*. - Montpellier, France : Universite Montpellier, 2015, non p.
- AFG84 CHODÁK, Ivan - KRAJČI, Juraj. Structure of reinforcing carbon black network determined by electrical conductivity of the vulcanized rubber mixture. In *11. Kautschuk-Herbst Kolloquium : Hannover, Germany : 26. - 28. November 2014 : book of abstracts*. - Hannover, Germany : Deutsches Institut für Kautschuktechnologie e.V., 2014, p. 13. ISBN 9783981407624.
- AFG85 CHODÁK, Ivan - KRAJČI, Juraj. Structure of reinforcing filler network determined by on-line measurement of electrical conductivity of the polymer/carbon black composite. In *ICCS18 - International Conference on Composite Structures : book of abstracts*. - Porto, Portugal : Universidade do Porto, 2015, p. 68 -69.
- AFG86 CHODÁK, Ivan - KRAJČI, Juraj - OMASTOVÁ, Mária. Structure of reinforcing carbon black filler network in polymer composites determined from electrical conductivities. In *16. Österreichische Chemietage : book of abstracts*. - Innsbruck, Austria : Austria Chemical Society - GOCH, 2015, non p., OP42.
- AFG87 CHOVANCOVÁ, Anna - LACÍK, Igor. SEC characterization for polyacrylic acid, polyacrylamide and their copolymers. In *Danube Vltava Sava Polymer Meeting : DVSPM 2015 : proceedings of a conference on polymer science*. - Linz, Austria : Trauner Verlag Univesitat, 2015, p. 103. ISBN 978-3-99033-491-1.

- AFG88 ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - CZANIKOVÁ, Klaudia - KRUPA, Igor - CHORVÁT, Dušan Jr. - MRLÍK, Miroslav - SEDLÁČEK, Tomáš. Composites of carbon nanotubes and poly(styrene -B-isoprene-B-styrene) and their application as photoactuators. In *IUPAC 2013 : 44th World Chemistry Congress : Istanbul, Turkey, 11 - 16 August 2013 : abstract book*. - Istanbul, Turkey : Turkish Chemical Society, 2013, p. 491.
- AFG89 ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - CZANIKOVÁ, Klaudia - KRUPA, Igor - CHORVÁT, Dušan Jr. - MRLÍK, Miroslav - SEDLÁČEK, Tomáš. Composites of carbon nanotubes and block copolymers, and their application as photoactuators. In *55 Zjazd Polskiego Towarzystwa Chemicznego i Stowarzyszenia Inżynierów i Techników przemysłu Chemicznego : Białystok, 16 - 20 września 2012*. - Warszawa : Polskie Towarzystwo Chemiczne, 2012, p. 389 - 390. ISBN 978-83-60988-12-1.
- AFG90 ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - MRLÍK, Miroslav - SEDLÁČEK, Tomáš. In situ synthesis and viscoelastic properties of poly(methyl methacrylate)-b-poly(n-butyl acrylate)-b-poly(methyl methacrylate) composite with selectively localized carbon nanotubes in poly(n-butyl acrylate) block. In *PPC 13 : The 13th Pacific Polymer Conference : Kaohsiung, Taiwan, November 17 - 22, 2013 : proceedings*. - Kaohsiung, Taiwan : krtco.com, 2013, s3-073. Názov z obrazovky.
- AFG91 ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - KRUPA, Igor - CHORVÁT, Dušan. Photoactuation of carbon filler based composites. In *Pomerania-Plast 2013: Materiały Polimerowe : Międzyzdroje, Poland, 4 - 7 czerwca 2013*. - Szczecin, Poland : Wydawnictwo Uczelniane Zachodniopomorskiego Uniwersytetu Technologicznego w Szczecinie, 2013, p. 203 - 204. ISBN 978-83-7663-153-0.
- AFG92 ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav. Photoinduced controlled radical polymerization of methyl methacrylate with low copper catalyst content. In *55 Zjazd Polskiego Towarzystwa Chemicznego i Stowarzyszenia Inżynierów i Techników przemysłu Chemicznego : Białystok, 16 - 20 września 2012*. - Warszawa : Polskie Towarzystwo Chemiczne, 2012, p. 395. ISBN 978-83-60988-12-1.
- AFG93 ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav. Polymerization of methyl methacrylate via photochemically mediated ATRP with low copper catalyst content. In *ICPAC 2012: international conference on Pure and applied chemistry : Chemistry: the key for our future : Mauritius, 2 - 6 July 2012 : book of abstracts*. - Mauritius : University of Mauritius, 2012, p. 105.
- AFG94 ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - MRLÍK, Miroslav - MIČUŠÍK, Matej - ŠPITALSKÝ, Zdenko. Reduction of graphene oxide during grafting of polystyrene from its surface. In *IUPAC 2013 : 44th World Chemistry Congress : Istanbul, Turkey, 11 - 16 August 2013 : abstract book*. - Istanbul, Turkey : Turkish Chemical Society, 2013, p. 992.
- AFG95 JANIGOVÁ, Ivica - RYCHLÝ, Jozef - CSOMOROVÁ, Katarína - RYCHLÁ, Lýdia. Degradácia derivátov celulózy v kyslíku a dusíku. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura*

konference. - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 71-73. ISBN 978-80-85009-81-1.

- AFG96 JANIGOVÁ, Ivica - CSOMOROVÁ, Katarína - RYCHLÁ, Lýdia - RYCHLÝ, Jozef. Degradation of biopolymers based on cellulose by different thermal analyses. In *Epf DRESDEN 2015. European Polymer Congress. : Book of abstracts.* - Dresden, 2015, p. 194.
- AFG97 JANIGOVÁ, Ivica - PORUBSKÁ, Mária - BABIC, Dragan - ŠLOUF, Miroslav - JOMOVÁ, Klaudia - CHODÁK, Ivan. The effect of gamma radiation on morphology and properties of polyamide based composites. In *EPF 2013 : European Polymer Congress : Pisa, Italy, June 16 - 21, 2013 : book of abstract.* - Pisa, Italy : European Polymer Federation, 2013, p. [P2-76].
- AFG98 JANIGOVÁ, Ivica - NÓGELLOVÁ, Zuzana - JURIŠOVÁ, J. - CHODÁK, Ivan. The effect of cooling rate on the properties of composites polypropylene/CaCO₃. In *ICPAC 2012: international conference on Pure and applied chemistry : Chemistry: the key for our future : Mauritius, 2 - 6 July 2012 : book of abstracts.* - Mauritius : University of Mauritius, 2012, p. 104.
- AFG99 JANIGOVÁ, Ivica - ALEX, P. - CHODÁK, Ivan. Thermal properties of aged polylactic acid/polyhydroxybutyrate blends. In *Crystallising Ideas : The Role of Chemistry : international conference on Pure and Applied Chemistry : Mauritius, 23-27 June 2014.* - Réduit, Mauritius : University of Mauritius, Department of Chemistry, 2014, p. 97.
- AFG100 JANKOVIČ, Ľuboš - HRACHOVÁ, Jana - MADEJOVÁ, Jana - KOMADEL, Peter - JOCHEC MOŠKOVÁ, Daniela - CHODÁK, Ivan. Effect of various organophilic modifiers on properties of rubber nanocomposites. In *XV International Clay Conference : Rio de Janeiro, Brazil, July 7-11, 2013.* - Rio de Janeiro, Brazil : Universidade Federal do Rio de Janeiro, 2013.
- AFG101 JANKOVIČ, Ľuboš - JOCHEC MOŠKOVÁ, Daniela - MADEJOVÁ, Jana - CHODÁK, Ivan - KOMADEL, Peter. Effect of two organophilic modifiers on properties of organoclay-polymer nanocomposites. In *MECC2014. 7th mid-european clay conference, Dresden, Germany, 16-19 september 2014 : programme and abstractbook.* - Dresden, Germany : Deutsche Ton- und Tonmineralgruppe e.V. (DTTG), 2014, p. 252.
- AFG102 JOCHEC MOŠKOVÁ, Daniela - JANIGOVÁ, Ivica - CHODÁK, Ivan. Phenomenon of physical ageing of blends of polylactic acid and polyhydroxybutyrate. In *BiPoCo 2014 : 2nd International Conference on Bio-based Polymers and Composites : Visegrád, Hungary, August 24-28, 2014 : proceedings.* - Budapest, Hungary : Budapest University of Technology and Economics, 2014, non p.
- AFG103 KASÁK, Peter - SOBOLČIAK, Patrik - SEMAK, V. - STACH, Marek - KRONEKOVÁ, Zuzana - HLOUŠKOVÁ, Gabriela - KRUPA, Igor - CHORVÁT, Dušan - RYCHTER, Piotr - UHELSKÁ, Lucia - LACÍK, Igor. Polyzwitterions: Propagation kinetics, hydrogels, non-biofouling coatings. In *The 2nd CEEP*

Workshop on Polymer Science : Iasi, Romania : 24 - 5 October, 2014 : proceedings.
- Iasi, Romania : Petru Poni Institute of Macromolecular Chemistry, 2014, p. 4.

- AFG104 KASÁK, Peter - SOBOLČIAK, Patrik - CHORVÁT, Dušan Jr. - KRUPA, Igor - HLOUŠKOVÁ, Gabriela - KRONEKOVÁ, Zuzana - STACH, Marek - SLÁVIKOVÁ, Monika - LACÍK, Igor. Zwitterionic polymers and hydrogels : from kinetics, and characterization to biomedical applications. In *ISP 2012: 9th International Symposium on Polyelectrolytes : Lausanne, Switzerland, July 9 - 12, 2012 : abstracts.* - Lausanne, Switzerland : École Polytechnique Fédérale de Lausanne, 2012, p. S5-1.
- AFG105 KOLLÁR, Jozef - MRLÍK, Miroslav - MORAVČÍKOVÁ, Daniela - MOSNÁČEK, Jaroslav - LACÍK, Igor. Novel poly(acrylamide-co-2-hydroxyethylacrylate) hydrogels with superabsorbent properties. In *BPPA 14 : International Conference on Bio-Friendly Polymers and Polymer Additives: From Scientific Aspects to Processing and Applications : Budapest, Hungary, 19-21 May, 2014 : program and book of abstracts.* - Budapest, Hungary : Hungarian Academy of Sciences, 2014, p. 34. ISBN 978-963-08-9492-0.
- AFG106 KOLLÁR, Jozef - MRLÍK, Miroslav - MORAVČÍKOVÁ, Daniela - MOSNÁČEK, Jaroslav - LACÍK, Igor. Superabsorbent hydrogels based on renewable monomer Tulipalin A. In *EUPOC 2014 : Precision Polymers: Synthesis, Folding and Function : Gargnano, Italy, 25 - 29 May 2014 : booklet of abstracts.* - Pisa, Italy : University of Pisa, Department of Chemistry & Industrial Chemistry, 2014, p. 39.
- AFG107 KOMADEL, Peter - MADEJOVÁ, Jana - JANKOVIČ, Ľuboš - BIZOVSKÁ, Valéria - PETRA, Lukáš - JOCHEC MOŠKOVÁ, Daniela - CHODÁK, Ivan. Key properties of selected organo-clay-polymer nanocomposites. In *EUROCLAY 2015. International conference on clay science and technology, 5th - 10th July 2015, Edinburgh, Scotland : programme & abstracts.* - Scotland, 2015.
- AFG108 KOMADEL, Peter - JANKOVIČ, Ľuboš - MADEJOVÁ, Jana - HRACHOVÁ, Jana - JOCHEC MOŠKOVÁ, Daniela - CHODÁK, Ivan. Organophilic modifiers and properties of rubber nanocomposites. In *Annual meeting. 50th anniversary of the Clay mineral society, October 6-10, 2013 : program and abstracts.* - USA : Clay Minerals Society, 2013, p. 130.
- AFG109 KÓSA, Csaba - LUKÁČ, Ivan - HUSÁR, Branislav. Photooxidation of bisbenzils in polystyrene. In *Polymery 2014 : VIII. česko-slovenská konference : Tréšť, ČR, 6.- 9.10. 2014 : programová brožura konference.* - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 22. ISBN 978-80-85009-81-1.
- AFG110 KÓSA, Csaba - FIEDLEROVÁ, Agnesa - MOSNÁČEK, Jaroslav - CHMELA, Štefan - JANIGOVÁ, Ivica. Polycaprolactone, photochemical changes in the presence of benzophenone. In *ESPS 2014 : 3rd European Symposium of Photopolymer Science : Vienna, Austria, September 9-12, 2014 : book of abstracts.* - Vienna, Austria : Institute of Applied Synthetic Chemistry, Vienna University of Technology, 2014, p. PO-49. ISBN 978-3-9502992-9-8.

- AFG111 KÓSA, Csaba - FIEDLEROVÁ, Agnesa - MOSNÁČEK, Jaroslav - CHMELA, Štefan - JANIGOVÁ, Ivica. Polycaprolactone, photochemical changes in the presence of benzophenone. In *BiPoCo 2014 : 2nd International Conference on Bio-based Polymers and Composites : Visegrád, Hungary, August 24-28, 2014 : proceedings.* - Budapest, Hungary : Budapest University of Technology and Economics, 2014, non p.
- AFG112 KOSTELANSKÁ, Katarína - SROKOVÁ, Iva - KOVÁČ, Karol - SASINKOVÁ, Vlasta - KOPAL, Ivan - CSOMOROVÁ, Katarína. O-(hydroxyethyl) cellulose cinnamates blends and their properties. In *Progress in Applied Surface, Interface and Thin Film Science 2012 (SURFINT-SREN III), May 14-18, 2012, Florence, Italy : extended abstract book of conference.* - Bratislava : Comenius University, 2012, p. 137-138. ISBN 978-80-223-3212-5.
- AFG113 KOSTELANSKÁ, K. - SROKOVÁ, I. - RYCHLÁ, Lýdia - CSOMOROVÁ, Katarína - HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna - SASINKOVÁ, Vlasta. Synthesis of partially cinnamoylated and feruloylated polysaccharide esters with thermal, thermooxidative and antioxidant properties. In *BiPoCo 2012: an International Conference on Bio-Based Polymers and Composites : Siófok, Hungary, May 27 - 31, 2012.* - Budapest : Budapest University of Technology and Economics, 2012, p.35.
- AFG114 KRAJČI, Juraj - CHODÁK, Ivan. Structure of reinforcing filler network determined by electrical conductivity of the polymer/carbon black composite. In *The 2nd CEEP Workshop on Polymer Science : Iasi, Romania : 24 - 5 October, 2014 : proceedings.* - Iasi, Romania : Petru Poni Institute of Macromolecular Chemistry, 2014, p. 9.
- AFG115 KRAJČI, Juraj - ŠPITALSKÝ, Zdenko - LE, Hai Hong - CHODÁK, Ivan. Zmeny elektrickej vodivosti počas miešania, jednoosej deformácie ťahom acyklickej mechanickej deformácie. In *Chemické listy*, 2012, roč. 106, č. 6, s. 552. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770.
- AFG116 KRATOCHVÍLA, Ján - NÓGELLOVÁ, Zuzana - ŠPITALSKÝ, Zdenko - MALÍKOVÁ, Marta - ALMAADEED, M.A. - KRUPA, Igor. Phase change materials on the base of low density polyethylene and paraffin waxes. In *Sustainable Energy Storage in Buildings : the 2th International Energy Storage Conference : Dublin, Ireland, 19 - 21st June 2013 : conference programme.* - Dublin, Ireland : Trinity College Dublin, 2013, p40. Názov z obrazovky.
- AFG117 KRATOCHVÍLA, Ján - KRUPA, Igor - ŠPITALSKÝ, Zdenko - TLILI, Radhouan - BOUDENNE, Abderrahim. Thermal and electrical properties of composites based on low density polyethylene and expanded graphite. In *Polymer composites with novel functional and structural properties by nanoscale materials : COST action MP 0701 Final event: Espoo, Finland, May 14 - 16, 2012.* - Espoo, Finland : Technical Research Centre of Finland, 2012, [1 p.].
- AFG118 KRONEK, Juraj - KRONEKOVÁ, Zuzana - LUSTOŇ, Jozef - PAULOVÍČOVÁ, Ema - MENDREK, B. Fluorescently labelled polymers for monitoring in cells. In *CECP 2012: Central European Conference on*

Photochemistry : Bad Hofgastein, Austria, February 5 - 9, 2012 : book of abstract. - Graz : European Photochemical Association, 2012, p. 49.

- AFG119 KRONEK, Juraj - ZAHORANOVÁ, Anna - MIKULEC, Marcel - KRONEKOVÁ, Zuzana. Hydrogels based on poly(2-oxazoline)s. In *The 3rd CEEP Workshop on Polymer Science : proceedings.* - Iasi, Romania : Petru Poni Institute of Macromolecular Chemistry, 2015, p. 5-6.
- AFG120 KRONEK, Juraj - PETRENČÍKOVÁ, Nadežda - RAFAELISOVÁ, Zuzana - MIKULEC, Marcel - KRONEKOVÁ, Zuzana. Living cationic copolymerization of 2-ethyl-2-oxazoline and 2-(4-alkoxyphenyl)-oxazolines. In *CLP'14 : 3rd International Symposium on Controlled/Living Polymerization. From Synthesis to Application : Antalya, Turkey, 1-4 May 2014 : symposium book.* - Istanbul, Turkey : Istanbul Technical University, 2014, p. 153-154.
- AFG121 KRONEK, Juraj - PETROVA, Svetlana - CHRISTOVA, Darinka - LUSTOŇ, Jozef. Poly(2-ethyl-2-oxazoline)s bearing fluorophore end-groups for biomedical studies. In *Polymery 2012 : XVII national symposium open to international participation : Ribaritsa - Bulgaria, May 31 - June 2, 2012 : book of abstracts.* - Sofia - Bulgaria : Institute of Polymers Bulgarian Academy of Sciences, 2012, p. 90.
- AFG122 KRONEK, Juraj - MIKULEC, Marcel - ZAHORANOVÁ, Anna - KRONEKOVÁ, Zuzana - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - FARKAŠ, Pavol. Poly(2-oxazolines) with different architecture for drug delivery. In *EPF 2013 : European Polymer Congress : Pisa, Italy, June 16 - 21, 2013 : book of abstract.* - Pisa, Italy : European Polymer Federation, 2013, p. [O6-36].
- AFG123 KRONEK, Juraj - KRONEKOVÁ, Zuzana - SHAH, R. - ZAHORANOVÁ, Anna - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - MIKULEC, Marcel - PETRENČÍKOVÁ, Nadežda. The effect of structure and functionality on biotolerability of polymers based on 2-oxazolines. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura konference.* - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 30-32. ISBN 978-80-85009-81-1.
- AFG124 KRONEK, Juraj - ZAHORANOVA, Anna - LUSTOŇ, Jozef. Thermosensitive hydrogels from poly(2-ethyl-2-oxazoline). In *Polymers 2012: XVII national symposium open to international participation : Ribaritsa - Bulgaria, May 31 - June 2, 2012 : book of abstracts.* - Sofia, Bulgaria : Institute of Polymers Bulgarian Academy of Sciences, 2012, p. 25.
- AFG125 KRONEK, Juraj - ZÁHORANOVÁ, A. - MIKULEC, Marcel - KRONEKOVÁ, Zuzana - LUSTOŇ, Jozef. Thermosensitive hydrogels based on 2-oxazolines for bioapplications. In *Polymers in Medicine : pmm - 76th Prague Meeting on Macromolecules : Prague, Czech Republic, 1 - 5 July 2012 : book of abstracts.* - Prague, Czech Republic : Institute of Macromolecular Chemistry AS CR, 2012, p. 59. ISBN 978-80-85009-72-9.
- AFG126 KRONEKOVÁ, Zuzana - MIHÁLOVÁ, Andrea - SLÁVIKOVÁ, Monika - UHELSKÁ, Lucia - LACÍK, Igor. Functionalization of hydrogels with

thiol-terminated peptides for enhancing immuno-protection of encapsulated cells. In *Epf DRESDEN 2015. European Polymer Congress. : Book of abstracts.* - Dresden, 2015, p. 195, BIO-L-81.

- AFG127 KRUPA, Igor - CZANIKOVÁ, Klaudia - OMASTOVÁ, Mária. Active nanocomposite materials for photo-mechanical actuation. In *Mema 2015 : The TMS Middle East - Mediterranean Materials Congress on Energy and Infrastructure Systems : Doha, Quatar, january 11-14, 2015 : program and abstracts.* - Doha, Quatar : Univerity of Quatar, 2015, p. 25.
- AFG128 KRUPA, Igor. Outlook on nano/polymer composites applications. In *Polymer composites with novel functional and structural properties by nanoscale materials : COST action MP 0701 Final event : Espoo, Finland, May 14 - 16, 2012.* - Espoo, Finland : Technical Research Centre of Finland, 2012, [1 p.].
- AFG129 KULIČEK, Jaroslav - MIČUŠÍK, Matej - ŠPITALSKÝ, Zdenko - GEMEINER, Pavol - ŠVORC, Ľubomír - OMASTOVÁ, Mária. Carbon based nanoparticles/polypyrrole hybrids for solar cell application. In *Eurofillers Polymer Blend 2015 : Montpellier, France, April 26th - 30th, 2015 : book of abstracts.* - Montpellier, France : Universite Montpellier, 2015, non p., P8-9.1.
- AFG130 KULIČEK, Jaroslav - MOSNÁČKOVÁ, Katarína - MIČUŠÍK, Matej - OMASTOVÁ, Mária - CHATZIMANOLIS-MOUSTAKAS, Ch. - PISSIS, P. Humidity sensors based on poly(methyl methacrylate)/carbon nanotubes nanocomposites. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura konference.* - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 57-58. ISBN 978-80-85009-81-1.
- AFG131 KULIČEK, Jaroslav - MIČUŠÍK, Matej - SCHERBAHN, V. - MIRSKY, V.M. - LOBOTKA, Peter - RADNÓCZI, G. - OMASTOVÁ, Mária. Layer-by-layer deposition of metal ionic liquid nanocolloids on the electrode surface. In *16th European Conference on Application of Surface and Interface Analysis : Ecasia '15: Granada, Spain, September 23th - October 1st 2015 : book of abstracts.* - Granada, Spain, 2015, p. 376, P2-FC-02. Dostupné na internete: <www.ecasia2015.com>.
- AFG132 LACÍK, Igor. Accurate characterization of poly(meth)acrylic acids by SEC. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura konference.* - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 14. ISBN 978-80-85009-81-1.
- AFG133 LACÍK, Igor - KASÁK, Peter - SEMAK, Vladislav - HLOUŠKOVÁ, Gabriela - SOBOLČIAK, Patrik - KRONEKOVÁ, Zuzana - UHELSKÁ, Lucia - TREĽOVÁ, Dušana - STEINKJER, B. - ESPEVIK, T. - ROKSTAD, A. M. Microcapsule design for encapsulation of islets of Langerhans: An ongoing effort. In *XXI International Conference on Bioencapsulation : Berlin, Germany, August 28 -30, 2013 : abstract book.* - Berlin, Germany : TU Berlin, Bioencapsulation Research Group, 2013, p. 68 - 69.
- AFG134 LACÍK, Igor - UHELSKÁ, Lucia - RYCHTER, Piotr - KRONEKOVÁ, Zuzana - TREĽOVÁ, Dušana - NÉMETHOVÁ, Veronika - KRONEK, Juraj -

RÁZGA, Filip. Polyelectrolyte complex microcapsules for encapsulation of islets of Langerhans in diabetes treatment. In *BPPA 14 : International Conference on Bio-Friendly Polymers and Polymer Additives: From Scientific Aspects to Processing and Applications : Budapest, Hungary, 19-21 May, 2014 : program and book of abstracts*. - Budapest, Hungary : Hungarian Academy of Sciences, 2014, p. 20. ISBN 978-963-08-9492-0.

AFG135 LACÍK, Igor - BUBACK, Michael - KILZ, Peter - CHARLEUX, Bernadette - CHADUC, Isabelle - CASTIGNOLLES, Patrice - GILBERT, Robert G. - BARNER-KOWOLLIK, Christopher. SEC analysis of poly(acrylic acid) and poly(methacrylic acid). In *Macro 2014 : Chiang Mai, Thailand, 6 -11 July, 2014 : abstract book*. - Chiang Mai, Thailand : IUPAC, 2014, o-24.

AFG136 LUKÁČ, Ivan - KÓSA, Csaba - HUSÁR, Branislav. Photoperoxidation of bisbenzils as a tool for crosslinking of polystyrene. In *ESPS 2014 : 3rd European Symposium of Photopolymer Science : Vienna, Austria, September 9-12, 2014 : book of abstracts*. - Vienna, Austria : Institute of Applied Synthetic Chemistry, Vienna University of Technology, 2014, p. OP-18. ISBN 978-3-9502992-9-8.

AFG137 LUKEŠOVÁ, Miroslava - ŠVAJDLENKOVÁ, Helena - SIPPEL, P. - REUTER, D. - MACOVÁ, Eva - BEREK, Dušan - ZALESKI, R. - EDELMANN, M. - LOIDL, A. - BARTOŠ, Josef. Spin probe dynamics of n-hexadecane and n-propanol in bulk and confined geometry. In *XXVI International EPR Seminar 2015 : book of abstracts*. - Graz, Austria : Graz University of Technology, 2015, p. 55.

AFG138 MAHOU, Redouan - HLOUŠKOVÁ, Gabriela - MEIER, R. - GONNELLE -GISPERT, C. - NHU TRAN, M. - DUFRESNE, M. - LEGALLAIS, C. - LACÍK, Igor - BUHLER, L. - WANDREY, C. Polysaccharide-based hydrogels for cell microencapsulation. In *ISP 2012: 9th International Symposium on Polyelectrolytes : Lausanne, Switzerland, July 9 - 12, 2012 : abstracts*. - Lausanne, Switzerland : École Polytechnique Fédérale de Lausanne, 2012, p. MS1-S6-3.

AFG139 MALÍKOVÁ, Marta - ŠPITALSKÝ, Zdenko - ŠESTÁK, Jozef - OMASTOVÁ, Mária. Conductivity and flammability of smart textiles based on expanded graphite-polymeric nanocomposites. In *EUPOC 2015 : Conducting Polymeric Materials : Gargnano, Italy, 24 - 28 May 2015 : abstract booklet & list of participants*. - Pisa, Italy : University of Pisa, 2015, p. 15.

AFG140 MALÍKOVÁ, Marta - ŠPITALSKÝ, Zdenko - ŽIAČKOVÁ, K. - ŠESTÁK, J. - OMASTOVÁ, Mária. Flammability of smart textiles based on expanded graphite-polymeric nanocomposites. In *Characterisation of Flame Retardant Textiles and Related Materials : COST MP1105 FLARETEX : Dubrovnik, Croatia, 7th October 2014 : programme & abstracts*. - Zagreb, Croatia : University of Zagreb, 2014, p. 12.

AFG141 MALÍKOVÁ, Marta - RYCHLÝ, Jozef - MATISOVÁ-RYCHLÁ, Lýdia - CSOMOROVÁ, Katarína - JANIGOVÁ, Ivica - WILDE, H. - W. Study of degradation of stabilised polyurethane films by chemiluminescence. In *Crystallising Ideas : The Role of Chemistry : international conference on Pure and Applied*

Chemistry : Mauritius, 23-27 June 2014. - Réduit, Mauritius : University of Mauritius, Department of Chemistry, 2014, p. 35.

- AFG142 MALÍKOVÁ, Marta - CSOMOROVÁ, Katarína - ŠESTÁK, Jozef - OMASTOVÁ, Mária. Thermal stability and flammability of smart textiles based on expanded graphite-polymeric nanocomposites. In *Eurofillers Polymer Blend 2015 : Montpellier, France, April 26th - 30th, 2015 : book of abstracts*. - Montpellier, France : Universite Montpellier, 2015, non p., P5.8.
- AFG143 MAŤKO, Igor - ŠAUŠA, Ondrej - ILLEKOVÁ, Emília - MÁCOVÁ, Eva - BEREK, Dušan. Combined study of confined water in controlled pore glasses by differential scanning calorimetry and positron annihilation lifetime spectroscopy. In *11th European Symposium on Thermal Analysis and Calorimetry (ESTAC 11), August 17-21, 2014, Espoo, Finland : Abstracts Book*. - Espoo : FinTac, 2014, p. 91.
- AFG144 MIČUŠÍK, Matej - TABAČIAROVÁ, Jana - FEDORKO, Pavol - OMASTOVÁ, Mária. Conducting filler ageing: XPS, FTIR and electrical conductivity study. In *EUPOC 2015 : Conducting Polymeric Materials : Gargnano, Italy, 24 - 28 May 2015 : abstract booklet & list of participants*. - Pisa, Italy : University of Pisa, 2015, p. 29.
- AFG145 MIČUŠÍK, Matej - CZANIKOVÁ, Klaudia - KRUPA, Igor - OMASTOVÁ, Mária. Nano-optical mechanical systems based on carbon nanotubes and elastomeric matrix. In *EuroEAP 2013 : Third international conference on Electromechanically Active Polymer (EAP) transducers & artificial muscles : Duebendorf, Switzerland, 25 -26 June 2013 : book of abstracts*. - Dubendorf, Switzerland : EMPA Academy, 2013, p. 36.
- AFG146 MIČUŠÍK, Matej - CZANIKOVÁ, Klaudia - KASÁK, Peter - KRUPA, Igor - OMASTOVÁ, Mária. Polymeric/carbon nanotubes composites for nano-optical mechanical systems. In *Nanocon 2012 : 4th International Conference : Brno, Czech Republic, October 23rd - 25th, 2012 : conference proceedings*. - Ostrava : Tanger Ltd., 2012, [1p.]. ISBN 978-80-87294-32-1.
- AFG147 MIČUŠÍK, Matej - ILČÍKOVÁ, Markéta - CZANIKOVÁ, Klaudia - KASÁK, Peter - OMASTOVÁ, Mária - MOSNÁČEK, Jaroslav - KRUPA, Igor. Polymer/carbon nanotubes composites for nano-optical mechanical systems. In *Progress in Applied Surface, Interface and Thin Film Science 2012 (SURFINT-SREN III), May 14-18, 2012, Florence, Italy : extended abstract book of conference*. - Bratislava : Comenius University, 2012, p. 148. ISBN 978-80-223-3212-5.
- AFG148 MIČUŠÍK, Matej - TABAČIAROVÁ, Jana - FEDORKO, Pavol - OMASTOVÁ, Mária. Polypyrrole ageing: XPS and electrical conductivity study. In *ICSM 2014 : Synthetic Metals Guiding the Future : Turku, Finland, 30 Jun- 5 Jul 2014 : abstracts*. - Turku, Finland : University of Turku, 2014, p. 156.
- AFG149 MIHÁLOVÁ, Andrea - SLÁVIKOVÁ, Monika - BEKEŠOVÁ, Slávka - ŠKULTÉTY, Ľudovít - PROKS, V. - KUČKA, J. - LACÍK, Igor. Peptide-functionalized hydrogels for enhancing biocompatibility of encapsulating

materials. In *Polymers in Medicine : pmm - 76th Prague Meeting on Macromolecules : Prague, Czech Republic, 1 - 5 July 2012 : book of abstracts.* - Prague, Czech Republic : Institute of Macromolecular Chemistry AS CR, 2012, p. 101. ISBN 978-80-85009-72-9.

- AFG150 MIHÁLOVÁ, Andrea - KRONEKOVÁ, Zuzana - KASÁK, Peter - HLOUŠKOVÁ, Gabriela - SLÁVIKOVÁ, Monika - VÁŇA, Jakub - LACÍK, Igor. Peptide-functionalized hydrogels for enhancing immuno-isolation of encapsulated cells. In *EPF 2013 : European Polymer Congress : Pisa, Italy, June 16 - 21, 2013 : book of abstract.* - Pisa, Italy : European Polymer Federation, 2013, p. [P6-54].
- AFG151 MIKULEC, Marcel - KRONEKOVÁ, Zuzana - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - KRONEK, Juraj. Conjugates of poly(2-isopropenyl-2-oxazoline) with saccharides. In *EPF 2013 : European Polymer Congress : Pisa, Italy, June 16 - 21, 2013 : book of abstract.* - Pisa, Italy : European Polymer Federation, 2013, p. [P6-63].
- AFG152 MIKULEC, Marcel - LUSTOŇ, Jozef - KRONEK, Juraj. Polymers and copolymers based on unsaturated 2-oxazolines by free-radical polymerization. In *Polymers 2012 : XVII national symposium open to international participation : Ribaritsa - Bulgaria, May 31 - June 2, 2012 : book of abstracts.* - Sofia -Bulgaria : Institute of Polymers Bulgarian Academy of Sciences, 2012, p. 56.
- AFG153 MIKULEC, Marcel - KRONEK, Juraj - LUSTOŇ, Jozef. Polyméry a kopolyméry na báze 2-oxazolínov pripravené radikálovou polymerizáciou a ich reakcie s fluorescenčnými značkami. In *Chemické listy*, 2012, roč. 106, č. 6, s. 549. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770.
- AFG154 MIKULEC, Marcel - KRONEK, Juraj - LUSTOŇ, Jozef. Synthesis and modification of poly(2-isopropenyl-2-oxazoline) with different fluorescent probes. In *7th MoDeSt Conference : Prague, Czech Republic, 2 - 6 September 2012 : programme book with abstracts.* - Prague : the Institute of Macromolecular Chemistry AS CR, 2012, p. 73. ISBN 978-80-85009-74-3.
- AFG155 MORAVČÍKOVÁ, Daniela - KOLLÁR, Jozef - MRLÍK, Miroslav - MOSNÁČEK, Jaroslav - LACÍK, Igor. The synthesis and properties of tulipalin-based hydrogels. In *BPPA 14 : International Conference on Bio-Friendly Polymers and Polymer Additives: From Scientific Aspects to Processing and Applications : Budapest, Hungary, 19-21 May, 2014 : program and book of abstracts.* - Budapest, Hungary : Hungarian Academy of Sciences, 2014, p. 53. ISBN 978-963-08-9492-0.
- AFG156 MORAVČÍKOVÁ, Daniela - KOLLÁR, Jozef - MRLÍK, M. - LACÍK, Igor - MOSNÁČEK, Jaroslav. The synthesis of superabsorbent hydrogels based on hydrolyzed alpha-methylene-gamma-butyrolactone. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura konference.* - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 86-87. ISBN 978-80-85009-81-1.

- AFG157 MOSNÁČEK, Jaroslav - IVÁN, Béla. Advanced bio-friendly polymers - POLYFRIEND. In *BPPA 14 : International Conference on Bio-Friendly Polymers and Polymer Additives: From Scientific Aspects to Processing and Applications : Budapest, Hungary, 19-21 May, 2014 : program and book of abstracts*. - Budapest, Hungary : Hungarian Academy of Sciences, 2014, p.1. ISBN 978-963-08-9492-0.
- AFG158 MOSNÁČEK, Jaroslav - KOLLÁR, Jozef - MORAVČÍKOVÁ, Daniela - MRLÍK, Miroslav. Copolymers from a renewable monomer Tulipalin A. In *BiPoCo 2014 : 2nd International Conference on Bio-based Polymers and Composites : Visegrád, Hungary, August 24-28, 2014 : proceedings*. - Budapest, Hungary : Budapest University of Technology and Economics, 2014, non p.
- AFG159 MOSNÁČEK, Jaroslav - ILČÍKOVÁ, Markéta - MRLÍK, Miroslav - CSOMOROVÁ, Katarína - MIČUŠÍK, Matej - ŠPITALSKÝ, Zdenko. In situ reduction of graphene oxide during surface initiated atom transfer radical polymerization. In *Pomerania-Plast 2013: Materiały Polimerowe : Miedzyzdroje, Poland, 4 - 7 czerwca 2013*. - Szczecin, Poland : Wydawnictwo Uczelniane Zachodniopomorskiego Uniwersytetu Technologicznego w Szczecinie, 2013, p. 279 - 280. ISBN 978-83-7663-153-0.
- AFG160 MOSNÁČEK, Jaroslav - ILČÍKOVÁ, Markéta - ANDICSOVÁ, Anita - BORSKÁ, Katarína. Photochemically induced RDRP of methacrylates by PPM amounts of copper catalysts. In *EUPOC 2014 : Precision Polymers: Synthesis, Folding and Function : Gargnano, Italy, 25 - 29 May 2014 : booklet of abstracts*. - Pisa, Italy : University of Pisa, Department of Chemistry & Industrial Chemistry, 2014, p. 43.
- AFG161 MOSNÁČEK, Jaroslav - ILČÍKOVÁ, Markéta - ECKSTEIN ANDICSOVÁ, Anita - BORSKÁ, Katarína. Photopolymerization catalyzed by copper complexes. In *ESPS 2014 : 3rd European Symposium of Photopolymer Science : Vienna, Austria, September 9-12, 2014 : book of abstracts*. - Vienna, Austria : Institute of Applied Synthetic Chemistry, Vienna University of Technology, 2014, p. OP-27. ISBN 978-3-9502992-9-8.
- AFG162 MOSNÁČEK, Jaroslav - ILČÍKOVÁ, Markéta. polymerization of methyl methacrylate using photo-ATRP with low copper catalyst content. In *Warwick Polymers 2012 : MacroGroup UK International Conference on Polymer Synthesis & UKPCF International Conference on Polymer Colloids : Warwick, UK , July 9th - 12th 2012 : abstract book*. - Warwick, UK : The University of Warwick, 2012, p. 88.
- AFG163 MOSNÁČEK, Jaroslav - ILČÍKOVÁ, Markéta - MRLÍK, Miroslav - SEDLÁČEK, Tomáš. Synthesis and properties of thermoplastic elastomers based on acrylate block copolymers and their composites. In *CLP'14 : 3rd International Symposium on Controlled/Living Polymerization. From Synthesis to Application : Antalya, Turkey, 1-4 May 2014 : symposium book*. - Istanbul, Turkey : Istanbul Technical University, 2014, p. 144-145.
- AFG164 MOSNÁČKOVÁ, Katarína - MIČUŠÍK, Matej - CHEHIMI, M. M. - OMASTOVÁ, Mária. Stability and surface properties of conductive textiles. In

Characterisation of Flame Retardant Textiles and Related Materials : COST MP1105 FLARETEX : Dubrovnik, Croatia, 7th October 2014 : programme & abstracts. - Zagreb, Croatia : University of Zagreb, 2014, p. 18.

- AFG165 MRLÍK, Miroslav - ILČÍKOVÁ, Markéta - PAVLÍNEK, Vladimír - MOSNÁČEK, Jaroslav. Covalent modification of carbonyl iron microparticles with polybutylacrylate shell and behaviour of their suspensions in magnetic field. In *IUPAC 2013 : 44th World Chemistry Congress : Istanbul, Turkey, 11 - 16 August 2013 : abstract book.* - Istanbul, Turkey : Turkish Chemical Society, 2013, p. 756.
- AFG166 MRLÍK, M. - ILČÍKOVÁ, Markéta - PAVLÍNEK, V. - MOSNÁČEK, Jaroslav - SVRCINOVA, P. - FILIP, P. Viscoelastic characterizations of magnetorheological suspensions consisting of silicone oil and carbonyl iron particles covalently coated with cholesteryl groups. In *13th International Conference on Electrorheological Fluids and Magnetorheological Suspensions : Ankara, Turkiye, July 2 - 6, 2012 : book of abstracts.* - Ankara, Turkiye : Gazi University, 2012, p. 214 - 215.
- AFG167 NACHMAN, Malgorzata - PASZKIEWICZ, Sandra - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav - ROSLANIEC, Zbigniew. Influence of expanded graphite (EG) and graphene oxide (GO) on synthesis of PET/EG and PET/GOnanocomposites. In *Pomerania-Plast 2013: Materiały Polimerowe : Miedzyzdroje, Poland, 4 - 7czerwca 2013.* - Szczecin, Poland : Wydawnictwo Uczelniane Zachodniopomorskiego Uniwersytetu Technologicznego w Szczecinie, 2013, p. 281 - 282. ISBN 978-83-7663-153-0.
- AFG168 NÁMER, Pavol - BENKOVÁ, Zuzana - CIFRA, Peter. From stripe to slab confinement in macromolecules linearization in nanochannels. In *Computation Trends in Solvation and Transport in Liquids : Julich, Germany, 23-27 March 2015.* - Julich, Germany : Julich Forschungszentrum GmbH, 2015, p. 57.
- AFG169 NÁMER, Pavol - BENKOVÁ, Zuzana - CIFRA, Peter. Segregation of semiflexible chains of cyclic topology in nanochannels. In *Thermodynamics of Complex Fluids and Interfaces : 5th US-Poland Workshop : Warsaw, Poland, June 11-13, 2014 : book of abstracts.* - Warsaw, Poland : The University of Warsaw, 2014, p. 74-75.
- AFG170 NÓGELLOVÁ, Zuzana - KRUPA, Igor - AL-MAADEED, Mariam A. - MADI, Nabil Kassem. Kompozity recyklovaného polyetylénu s drevnou múčkou z datľovej palmy = Composites of recycled polyethylene with a wood flour of a date palm. In *Sborník příspěvku konference PLASTKO 2012 : Zlín - ČR, 11. - 12. 4. 2012 [elektronický zdroj].* 1. vyd. - Zlín, ČR : Univerzita Tomáše Bati, 2012, p. [53 - 254]. ISBN 978-80-7454-137-7. Názov z obrazovky. Požaduje sa Adobe Acrobat.
- AFG171 NÓGELLOVÁ, Zuzana - KRUPA, Igor - JANIGOVÁ, Ivica - CSOMOROVÁ, Katarína - KRATOCHVÍLA, Ján - ŠPITALSKÝ, Zdenko - ALMAADEED, Mariam A. Kompozity nízkohustotného polyetylénu s parafínovým voskom. In *PLASTKO 2014 : sborník příspěvků z konference PLASTKO 2014, 8. - 9. 4. 2014 [elektronický zdroj].* - Zlín, ČR : Univerzita Tomáše Bati ve Zlíně, 2014, p. [265-267]. ISBN 978-80-7454-335-7.

- AFG172 NÓGELLOVÁ, Zuzana - KRUPA, Igor - MALÍKOVÁ, Marta - JANIGOVÁ, Ivica - KRATOCHVÍLA, Ján - CSOMOROVÁ, Katarína - ŠPITALSKÝ, Zdenko - ALMAADEED, Mariam A. Phase change materials based on linear low density polyethylene/paraffin wax blends. In *15. Österreichische Chemietage : Graz, Austria, September 23 - 26, 2013.* - Graz, Austria : TU Graz, 2013, pO - 183.
- AFG173 NÓGELLOVÁ, Zuzana - KRUPA, Igor - ŠPITALSKÝ, Zdenko - CSOMOROVÁ, Katarína - JANIGOVÁ, Ivica - MALÍKOVÁ, Marta - ŽIGO, Ondrej - ALMAADEED, M. A. Ali. Termické a mechanické vlastnosti zmesí vysokohustotného polyetylénu a enkapsulovaného parafínového vosku. In *Chemické listy*, 2014, roč. 108, č. 8, s. 787-788. (0.196 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0009-2770.
- AFG174 NOVÁK, Igor - POPELKA, Anton - CHODÁK, Ivan - LEHOCKÝ, M. - VALENTIN, Marian - PRACHÁR, Jozef. Antibacterial treatment of polyethylene by barrier plasma. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura konference.* - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 66-67. ISBN 978-80-85009-81-1.
- AFG175 NOVÁK, Igor - KRUPA, Igor - CHODÁK, Ivan - VALENTIN, Marian - PRACHÁR, Jozef. Electrical and thermal behavior of EVA-based composites. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura konference.* - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 88-89. ISBN 978-80-85009-81-1.
- AFG176 NOVÁK, Igor - ŽIGO, Ondrej - VALENTIN, Marian - PRACHÁR, Jozef. Electrical, thermal and surface properties of nickel-based composites. In *TVIP 2015 : Hustopeče, ČR, 18. - 20. 3. 2015.* - Praha, ČR : CEMC, 2015, non p. ISBN 978-80-85990-26-3.
- AFG177 NOVÁK, Igor - VALENTIN, Marian - PRACHÁR, Jozef - MIČUŠÍK, Matej - CHODÁK, Ivan - OMASTOVÁ, Mária. Increase of adhesion in adhesive joint PVC-polyurethane adhesive- Middle density fiberboard. In *Chemické listy*, 2014, roč. 108, č. 8, s. 788. (0.196 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0009-2770.
- AFG178 NOVÁK, Igor - KRUPA, Igor - TAVMAN, Ismail H. - CHODÁK, Ivan - POPELKA, Anton - VALENTIN, Marian. Investigation of polyethylene/graphite composites and their electrical, thermal and mechanical properties. In *THERMAM 2014: International Conference on Thermophysical and Mechanical Properties of Advanced Materials & 3rd Rostocker Symposium on Thermophysical Properties for Technical Thermodynamics : Izmir, Turkey, 12-15 June 2014 : full text proceedings.* - Izmir, Turkey : Dokuz Eylul University, 2014, p. 259 - 263.
- AFG179 NOVÁK, Igor - POPELKA, Anton - VALENTIN, Marian - CHODÁK, Ivan - KRUPA, Igor - VANKO, V. - PREŤO, J. Modification of wood by radio-frequency discharge plasma. In *Qatar Annual Research Forum Proceedings : ARC 13 : Energy and Environment : EEP 054 : Doha, Qatar, 24 - 25 November 2013.* - Doha, Qatar : qscience.com, 2013, vol. 2013.

- AFG180 NOVÁK, Igor - POPELKA, Anton - SYSEL, P. - KRUPA, Igor - CHODÁK, Ivan - VALENTIN, Marian - PRACHÁR, Jozef - VANKO, V. Surface properties of poly(imide-co-siloxane) block copolymers. In *Quatar Foundation Annual Research Forum Proceedings : ARC 13 : Information Communication Technologies : ICTP 045 : Doha, Quatar, 24 - 25 November 2013*. - Doha, Quatar : qscience.com, 2013, vol. 2013.
- AFG181 NOVÁK, Igor - KUBIČÁR, Ludovít - ANIBARRO, Carlos Calvo - VRETENÁR, Viliam - DIEŠKA, Peter - TAVMAN, Ismail H. - CHODÁK, Ivan. Thermal conductivity of epoxy resin cross-linking. In *THERMAM 2014: International Conference on Thermophysical and Mechanical Properties of Advanced Materials & 3rd Rostocker Symposium on Thermophysical Properties for Technical Thermodynamics : Izmir, Turkey, 12-15 June 2014 : full text proceedings*. - Izmir, Turkey : Dokuz Eylul University, 2014, p. 264-268.
- AFG182 NOVÁK, Ivan - MUNKA, Karol - BEREK, Dušan. Efficient adsorbents based on nanoporous carbon fibers from cellulosic precursors. In *XIV Latin American Symposium on Polymers and XII Ibero American Congress on Polymers : Porto de Galinhas, Brazil : October 12th - 16th, 2014 : abstracts*. - Brazil : ABPol, 2014, non p. ISBN 978-85-63273-26-0.
- AFG183 NOVÁK, Ivan - BEREK, Dušan. Nanoporous carbon fibers from natural cellulosic precursors. In *POLYCHAR 20: World forum on advanced materials : Dubrovnik - Croatia, Mach 26th - 30th 2012 : book of abstracts*. - Zagreb, Croatia : University of Zagreb, 2012, p. 179. ISBN 978-953-6470-57-0.
- AFG184 NOVÁK, Ivan - BEREK, Dušan. Nanoporous carbon fibers from natural cellulosic precursors. In *Macro 2012 : Enabling Technologies for a Safe, Sustainable, Healthy World : World Polymer Congress : Blacksburg, USA, June 24-29, 2012 : abstracts book on USB key [elektronický zdroj]*. - Blacksburg, Virginia USA : VirginiaTech, 2012, [1 p.]. Názov z obrazovky.
- AFG185 NOVÁK, Ivan - PRETO, Jozef - BEREK, Dušan. Nanoporous carbon fibers from natural cellulosic precursors. In *International Conference on Rubber and Rubber-like Materials : ICRRM 2013 : book of abstracts*. - Kolkata, India : Cygnus Advertising Pvt., 2013, p. 70.
- AFG186 OMASTOVÁ, Mária - CZANIKOVÁ, Klaudia - KASÁK, Peter - CHORVÁT, Dušan Jr. - KRUPA, Igor. Actuating properties of composites containing carbon nanotubes. In *Chemické listy : 4th EuCheMS Chemistry Congress : August 26 - 30, 2012, Prague, Czech Republic : abstract book [seriál]*. - Praha : Česká společnost chemická, 2012, roč. 106, č. S, s. s1247. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770. Názov z obrazovky. Požaduje sa Adobe Acrobat.
- AFG187 OMASTOVÁ, Mária - CZANIKOVÁ, Klaudia - KASÁK, Peter - CHORVÁT, Dušan Jr. - KRUPA, Igor. Actuating properties ofnanocomposites based on elastomeric matrices and carbon nanotubes. In *ICPAC 2012: international conference on Pure and applied chemistry : Chemistry: the key for our future :*

Mauritius, 2 - 6 July 2012 : book of abstracts. - Mauritius : University of Mauritius, 2012, p. 31.

- AFG188 OMASTOVÁ, Mária - CZANIKOVÁ, Klaudia - KASÁK, Peter - KRUPA, Igor. Actuators from elastomers and carbon nanotubes. In *MADICA 2012 : 8èmes Journées Maghreb-Europe Materiaux et applications aux dispositifs et capteurs : Sousse, Tunisie, 7 - 9 Novembre 2012 : recueil des résumés.* - Sousse, Tunisie : Association Tunisienne pour l'information scientifique, 2012, p. 75.
- AFG189 OMASTOVÁ, Mária - CZANIKOVÁ, Klaudia - MIČUŠÍK, Matej. Actuators based on carbon nanotubes and elastomeric matrix. In *EuroEAP 2014 : 4th international conference on Electromechanically Active Polymer (EAP) transducers & artificial muscles : Linköping, Sweden, 10-11 June 2014 : book of abstracts.* - Linköping, Sweden : Linköping University, 2014, p. 40.
- AFG190 OMASTOVÁ, Mária - KULIČEK, Jaroslav - STEJSKAL, Jaroslav - OKSUZ, Aysegul Uygün. Conducting composites with polypyrrole and their application. In *Danube Vltava Sava Polymer Meeting : DVSPM 2015 : proceedings of a conference on polymer science.* - Linz, Austria : Trauner Verlag Univesitat, 2015, p. 19. ISBN 978-3-99033-491-1.
- AFG191 OMASTOVÁ, Mária. Elastomer-carbon nanotubes actuators. In *EAP Workshop 2014 : Electromechanically Active Polymer transducers & artificial muscles : London, Uk, 25-26 November, 2014 : book of abstracts.* - London, UK : Queen Mary University of London, 2014, p. 26.
- AFG192 OMASTOVÁ, Mária - CZANIKOVÁ, Klaudia - CHORVÁT, Dušan Jr. - KRUPA, Igor. Photo-actuating properties of nanocomposites of elastomeric matrices and carbon nanotubes. In *EuroEAP 2012 : second international conference on Electromechanically active polymer (EAP) transducers & artificial muscles : Potsdam - Germany, 29 - 30 May 2012 : book of abstracts.* - Potsdam, Germany : UP Transfer, 2012, p. 14 - 15.
- AFG193 OMASTOVÁ, Mária. Polypyrrole nanocomposites for advanced applications. In *Epf DRESDEN 2015. European Polymer Congress. : Book of abstracts.* - Dresden, 2015, p. 304.
- AFG194 OMASTOVÁ, Mária - CZANIKOVÁ, Klaudia - TABAČIAROVÁ, Jana - MIČUŠÍK, Matej. Surface modification of carbon nanotubes for sensors and actuators. In *ECASIA '13 : 15th European Conference on Application of Surface and Interface Analysis : Sardinia, Italy, 13th- 18th October 2013: book of abstracts.* - Sardinia, Italy : Università di Cagliari, 2013, p. 154. ISBN 978-88-907670-0-5.
- AFG195 ORAVCOVÁ, Andrea - CHODÁK, Ivan - ORAVEC, Ján - PREŤO, Jozef - HRONKOVIČ, Ján - KŇAZEOVÁ, Alena. Effect of starch modification on mechanical and vulcanizing properties of natural rubber blends. In *PLASTKO 2014 : sborník příspěvků z konference PLASTKO 2014, 8. - 9. 4. 2014 [elektronický zdroj].* - Zlín, ČR : Universita Tomáše Bati ve Zlíně, 2014, p. [384-387]. ISBN 978-80-7454-335-7.

- AFG196 ORAVCOVÁ, Andrea - ORAVEC, Ján - PREŤO, Jozef - KNAZEOVÁ, Andrea - CHODÁK, Ivan. Influence of corn starch on properties of rubber blends. In *15. Österreichische Chemietage : Graz, Austria, 23 - 26 September, 2013*. - Graz, Austria : TU Graz, 2013, pO-184.
- AFG197 ORAVEC, Ján - PREŤO, Jozef - CHODÁK, Ivan - ORAVCOVÁ, Andrea - KŇAZEOVÁ, Alena. Natural rubber composition containing corn starch based fillers. In *11. Kautschuk-Herbst Kolloquium : Hannover, Germany : 26. - 28. November 2014 : book of abstracts*. - Hannover, Germany : Deutsches Institut für Kautschuktechnologie e.V., 2014, p. 97. ISBN 9783981407624.
- AFG198 PALENČÁR, Peter - BLEHA, Tomáš. Buckling and self-assembly of alpha-helices. In *MIB '13 : Modeling Interactions in Biomolecules VI : Mariánské Lázně, 16th - 19th September, 2013 : program & book of abstracts*. - Prague : MATFYZPRESS, 2013, p. 54. ISBN 978-80-7378-244-3.
- AFG199 PALENČÁR, Peter - BLEHA, Tomáš. Compression and buckling of stiff helical filaments. In *EuCheMS : 5th EuChMS Chemistry Congress : Istanbul, Turkey, 31 August - 4 September, 2014 : abstracts*. - Istanbul, Turkey : Turkish Chemical Society, 2014, p. 957.
- AFG200 PALENČÁR, Peter - BLEHA, Tomáš. Folding of long alpha-helices into bundles. In *Chemické listy*, 2012, roč. 106, č. 6, s. 532. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770.
- AFG201 PALENČÁR, Peter - BLEHA, Tomáš. Gas-phase conformation of helical polymers. In *EPF 2013 : European Polymer Congress : Pisa, Italy, June 16 - 21, 2013 : book of abstract*. - Pisa, Italy : European Polymer Federation, 2013, p. [02-7].
- AFG202 PALENČÁR, Peter - BLEHA, Tomáš. Thermal stability and self-assembly of long alpha-helices in the gas phase. In *Multi-scale Modeling from First Principles 2013 : Platja d'Aro, Spain, September 8 - 13, 2013 : book of abstracts*. - Zaragoza, Spain : Zaragoza Scientific Center for Advanced Modeling University of Zaragoza, 2013, p. 56 - 57.
- AFG203 PALMIERO, Umberto Capasso - CHOVANCOVÁ, Anna - LACÍK, Igor - MOSCATELLI, Davide. PLP-SEC study of the propagation rate of N-(2-hydroxypropyl)-methacrylamide in aqueous solution. In *Polymer Reaction Engineering IX : book of abstracts*. - New York : ECI Engineering Conferences International, 2015, p9.
- AFG204 PALMIERO, Umberto Capasso - CHOVANCOVÁ, Anna - STORTI, Giuseppe - LACÍK, Igor - MOSCATELLI, Davide. The raft copolymerization and its use for the production of SEC copolymer standards: Procedure and case studies. In *Polymer Reaction Engineering IX : book of abstracts*. - New York : ECI Engineering Conferences International, 2015, p47.
- AFG205 PASZKIEWICZ, Sandra - SZYMCZYK, Anna - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav - ROSLANIEC, Zbigniew. Effect of expanded graphite on the phase structure and electrical properties of PTT/EG nanocomposites. In *Carbon*

materials & polymer composites development in preparation, investigation, and application : VII International scientific and technical conference : Ustroń-Jaszowiec, Poland, November 13-16, 2012 : programme and book of abstracts. - Gliwice, Poland : Polish Association of Chemical Engineers and Technicians, 2012, p. 49. ISBN 978-83-63555-05-4.

- AFG206 PASZKIEWICZ, Sandra - PAWELEC, Iwona - SZYMCZYK, Anna - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav - ROSLANIEC, Zbigniew. Hybrid CNT/graphene nanoparticles in polymer nanocomposites based on poly(trimethylene terephthalate) prepared by in situ polymerization. In *The 22nd Annual International Conference on Composites/Nano Engineering*. - St. Julian, Malta, 2014, doi:10.13140/2.1.1832.0643.
- AFG207 PASZKIEWICZ, Sandra - SZYMCZYK, Anna - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav - ROSLANIEC, Zbigniew. Morphology and non-isothermal crystallisation of poly(ethylene terephthalate)(PET)/graphite oxide(GO). In *CARBON Rio 2013: The Annual World Conference on Carbon : Rio de Janeiro, Brazil, July 14 - 19, 2013 : program and abstract*. - Rio de Janeiro, Brazil : Brazilian Carbon Association, 2013, p. 79 - 80.
- AFG208 PASZKIEWICZ, Sandra - SZYMCZYK, Anna - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav - ROSLANIEC, Zbigniew. Thermoplastic elastomers containing plate fillers : layered silicates and oxidized graphene sheets. In *GrapHEL : a European conference/workshop on the synthesis, characterization and applications of graphene : Mykonos, Greece, 27 - 30 September 2012 : electronic book of abstracts*. - Heraklion, Greece : FORTH/ICE/HT, 2012, p. [E30]. Názov z obrazovky. Požaduje sa Adobe Acrobat.
- AFG209 PRACHÁR, Jozef - NOVÁK, Igor. Surface modification of polypropylene with organosilanes by plasma. In *Epf DRESDEN 2015. European Polymer Congress. : Book of abstracts*. - Dresden, 2015, p. 147.
- AFG210 PREŤO, Jozef - BEREK, Dušan - HRONKOVIČ, Jan - ORAVEC, Jan - MELUŠ, Pavol. Application of biopolymeric precursors for preparation of nanoporous carbon fibers. In *BPPA 14 : International Conference on Bio-Friendly Polymers and Polymer Additives: From Scientific Aspects to Processing and Applications : Budapest, Hungary, 19-21 May, 2014 : program and book of abstracts*. - Budapest, Hungary : Hungarian Academy of Sciences, 2014, p. 78. ISBN 978-963-08-9492-0.
- AFG211 PREUSSER, Calista - HUTCHINSON, Robin A. - CHOVANCOVÁ, Anna - STACH, Marek - LACÍK, Igor. Developing a model for the aqueous phase copolymerisation of acrylic acid and acrylamide. In *11th International Workshop on Polymer Reaction Engineering : Hamburg, Germany, May 21 - 24, 2013 : book of abstracts*. - Frankfurt am Main, Germany : DECHEMA, 2013, p.139.
- AFG212 PREUSSER, Calista - HUTCHINSON, Robin A. - WITTENBERG, Nils F. G. - KATTNER, Hendrik - BUBACK, Michael - CHOVANCOVÁ, Anna - STACH, Marek - LACÍK, Igor. Modeling and measurement of aqueous phase acrylic

acid/acrylamide copolymerization kinetics. In *Macro 2014: Chiang Mai, Thailand, 6-11 July, 2014 : abstract book*. - Chiang Mai, Thailand : IUPAC, 2014, o-5.

- AFG213 QI, Meirigeng - HLOUŠKOVÁ, Gabriela - WANG, Yang - BOCHENEK, Matthew A. - MARCHESE, Enza - MCGARRIGLE, James J. - BARBARO, Barbara - FORMO, Kjetil - STRAND, Berit L. - ROKSTAD, Anne Mari - LACÍK, Igor - OBERHOLZER, Jose. Polyelectrolyte complex-based microcapsules for transplantation of encapsulated allogeneic islets in baboons. In *Macro 2014 : Chiang Mai, Thailand, 6-11 July, 2014 : abstract book*. - Chiang Mai, Thailand : IUPAC, 2014, o-16.
- AFG214 RAČKO, Dušan - CIFRA, Peter. Dynamics of semiflexible star polymers in confinement: octopus transition. In *International Soft Matter Conference 2013 : Rome, Italy, September 15 - 19, 2013 : book of poster abstracts*. - Roma, Italy : Sapienza Università di Roma, 2013, p. 685.
- AFG215 RAČKO, Dušan - CIFRA, Peter. Segregation of semiflexible macromolecules in nanochannel. In *International Soft Matter Conference 2013 : Rome, Italy, September 15 - 19, 2013 : book of poster abstracts*. - Rome, Italy : Sapienza Università di Roma, 2013, p. 319.
- AFG216 RAČKO, Dušan - CIFRA, Peter. The effect of chain stiffness on segregation of macromolecules confined in channel. In *ICPB5 : th International Conference on Polymer Behavior : Multiphysics Approached for the Behavior of Polymer and Polymer-Based Nanomaterials : Aveiro, Portugal, October 15 - 18, 2012*. - Aveiro, Portugal, 2012, p. 38.
- AFG217 RAČKO, Dušan. The free volume of condensed phases confined in a nanopore as seen by computer simulations and compared to PALS. In *41st Polish Seminar on Positron Annihilation : Lublin, Poland, September 09 - 13, 2013 : book of abstracts*. - Lublin, Poland : Maria Curie-Skłodowska University, 2013, p. 47.
- AFG218 RÁZGA, Filip - NÉMETHOVÁ, Veronika - BULIAKOVÁ, Barbora - GÁBELOVÁ, Alena - VNUKOVÁ, Dominika - ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - ČIAMPOR, Fedor - LACÍK, Igor. The size of colloidal stability of magnetite nanoparticles: An impact of surface coating. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura konference*. - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 59-60. ISBN 978-80-85009-81-1.
- AFG219 RIECKA, Jana - KASÁK, Peter. Príprava hydrogélu pomocou elektrodepozície avplyv elektrického prúdu na hydrogely. In *Chemické listy*, 2012, roč. 106, č. 6, s. 562 - 563. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770.
- AFG220 RYCHLÁ, Lýdia - MALOVÍKOVÁ, Anna - RYCHLÝ, Jozef - JANIGOVÁ, Ivica - CSOMOROVÁ, Katarína - EBRINGEROVÁ, Anna. Thermo- and thermooxidative stability of modified pectins. In *Australasian polymer symposium : Hobart, Tasmania : 12 - 15 February 2012 : conference handbook*. - Melbourne,

Australia : Royal Australian Chemical Institute, 2012, p. 367. ISBN 978-0-646-57204-8.

- AFG221 RYCHLÝ, Jozef - HUDÁKOVÁ, M. - RYCHLÁ, Lýdia. Horľavosť plastov a jej hodnotenie pomocou kónického kalorimetra. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura konference.* - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 76-77. ISBN 978-80-85009-81-1.
- AFG222 RYCHLÝ, Jozef - MATISOVÁ - RYCHLÁ, Lýdia - MALÍKOVÁ, Marta - CSOMOROVÁ, Katarína - JANIGOVÁ, Ivica - LATTUATI- DERIEUX, A. - LAVEDRINE, B. The links between chemiluminescence and thermal analysis in characterization of degradation of polyester and polyester polyurethane foams. In *Australasian polymer symposium : Hobart, Tasmania : 12- 15 February 2012 : conference handbook.* - Melbourne, Australia : Royal Australian Chemical Institute, 2012, p. 363. ISBN 978-0-646-57204-8.
- AFG223 RYCHTER, Piotr - KOT, Marta - BAJER, Krzysztof - KAPUSNIAK, Janusz - ŠIŠKOVÁ, Alena. Utilization of starch film wastes plasticized with urea as fertilizer for improvement of plants growth. In *BiPoCo 2014 : 2nd International Conference on Bio-based Polymers and Composites : Visegrád, Hungary, August 24-28, 2014 : proceedings.* - Budapest, Hungary : Budapest University of Technology and Economics, 2014, non p.
- AFG224 SABOLOVÁ - RIECKA, Milica - MOSNÁČEK, Jaroslav. Degradable polymers from renewable unsaturated gamma-lactone monomers. In *Chemické listy*, 2012, roč. 106, č. 6, s. 548. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770.
- AFG225 RIECKA, Milica - MOSNÁČEK, Jaroslav - LIPTAJ, T. - DANKO, Martin. Polymerization of renewable unsaturated gamma-lactone monomers. In *EPF 2013 : European Polymer Congress : Pisa, Italy, June 16 - 21, 2013 : book of abstract.* - Pisa, Italy : European Polymer Federation, 2013, p. [P4-81].
- AFG226 SAS, Samuel - DANKO, Martin - BUJDÁK, Juraj. Hybrid material based of kaolinite and rhodamine B. In *MECC2014. 7th mid-european clay conference, Dresden, Germany, 16-19 september 2014 : programme and abstractbook.* - Dresden, Germany : Deutsche Ton- und Tonmineralgruppe e.V. (DTTG), 2014, p. 296.
- AFG227 SAS, Samuel - BUJDÁK, Juraj - DANKO, Martin - LANG, Kamil. Hybrid materials based on layered silicates modified with reactive fluorescence dyes. In *XXV IUPAC. Symposium on photochemistry, Bordeaux, France, 13 - 18 july 2014 : abstracts.* - France, 2014.
- AFG228 SAS, Samuel - DANKO, Martin - LANG, Kamil - BUJDÁK, Juraj. Hybrid materials of clay minerals grafted with reactive fluorophores. In *Nano Ostrava 2013. 3rd nanomaterials and nanotechnology meeting, june 17-20, 2013.* - Ostrava, Česká republika : VŠB-Technical University Ostrava, 2013, p. 105. ISBN 978-80-7329-361-1.

- AFG229 SAS, Samuel - DANKO, Martin - BUJDÁK, Juraj. Photoactive hybrid material based on kaolinite grafted with a reactive laser dye. In *EUROCLAY 2015. International conference on clay science and technology, 5th - 10th July 2015, Edinburgh, Scotland : programme & abstracts.* - Scotland, 2015, p. 375.
- AFG230 SEMAK, Vladislav - VNUKOVÁ, Dominika - KASÁK, Peter - JANIKOVIČOVÁ, L. - TAKÁČOVÁ, Martina - ZAŤOVIČOVÁ, Miriam - PASTOREKOVÁ, Silvia - LACÍK, Igor. Chitosan nanoparticles with the inhibiting effect on carbonic anhydrase in tumor diagnosis and treatment. In *ASPM 2013 : Austrian - Slovenian Polymer Meeting : Bled, Slovenia : 3 - 5 April, 2013.* - Ljubljana, Slovenia : Centre of Excellence PoliMaT, 2013, p. 198. ISBN 978-961-269-992-5.
- AFG231 SCHENKMAYEROVÁ, Andrea - BUČKO, Marek - GEMEINER, Peter - TRELOVÁ, Dušana - LACÍK, Igor - CHROVÁT, Dušan Jr. - AČAI, Pavel - POLAKOVIČ, Milan - LIPTÁK, Lukáš - REBROŠ, Martin - ROSENBERG, Michal - ŠTEFUCA, Vladimír - NEDELA, Vilém - TIHLAŘÍKOVÁ, Eva. Physical and biocatalytic properties of polyvinyl alcohol lens-shaped particles versus spherical polyelectrolyte complex microcapsules. In *Workshop of Interesting Topics of SEM and ESEM, 26-31 August 2014.* - Brno : Institute of Scientific Instruments of the ASCR, v.v.i., 2014, p. 38-39, ISBN 978-80-87441-12-1.
- AFG232 SOBOLČIAK, Patrik - KASÁK, Peter - STACH, Marek - LACÍK, Igor. Free radical polymerisation in aqueous solutions: propagation rate coefficients for zwitterionic sulfobetaine monomers. In *11th International Workshop on Polymer Reaction Engineering : Hamburg, Germany, May 21 - 24, 2013 : book of abstracts.* - Frankfurt am Main, Germany : DECHEMA, 2013, p. 84.
- AFG233 SOBOLČIAK, Patrik - MRLÍK, Miroslav - PAVLÍNEK, Vladimír - LACÍK, Igor - KASÁK, Peter. Light tunable materials for controlled adhesion and release biomacromolecules. In *Abstract book of the 1st International Conference on Biological and Biomimetic Adhesives : Lisbon, Portugal, 9 - 11 May 2012.* - Lisbon : University of Lisbon, 2012, p. 42.
- AFG234 STACH, Marek - CHOVANCOVÁ, Anna - LACÍK, Igor. Kp for non-ionized acrylic acid free-radical polymerization in aqueous solution by PLP-SEC using 500Hz pulsed laser. In *11th International Workshop on Polymer Reaction Engineering : Hamburg, Germany, May 21 - 24, 2013 : book of abstracts.* - Frankfurt am Main, Germany : DECHEMA, 2013, p. 86.
- AFG235 STACH, Marek - CHOVANCOVÁ, Anna - LACÍK, Igor. Propagation kinetics for non-ionized acrylic acid free-radical polymerization in aqueous solution. In *EPF 2013 : European Polymer Congress : Pisa, Italy, June 16 - 21, 2013 : book of abstract.* - Pisa, Italy : European Polymer Federation, 2013, p. [01-26].
- AFG236 STEJSKAL, J. - BOBER, P. - TRCHOVÁ, M. - PROKEŠ, J. - OMASTOVÁ, Mária. Hybrid conducting polymer-silver composites. In *Macro 2012 : Enabling Technologies for a Safe, Sustainable, Healthy World : World Polymer Congress :*

Blacksburg, USA, June 24-29, 2012 : *abstracts book on USB key* [elektronický zdroj]. - Blacksburg, Virginia USA : VirginiaTech, 2012, [1 p.]. Názov z obrazovky.

- AFG237 SZYMCZYK, Anna - PASZKIEWICZ, Sandra - ŠPITALSKÝ, Zdenko - MOSNÁČEK, Jaroslav - ROSLANIEC, Zbigniew. Graphene and graphite oxide based PTT-block-PTMO copolymer nanocomposites: structure and properties. In *CARBON Rio 2013 : The Annual World Conference on Carbon : rio de Janeiro, Brazil, July 14 - 19, 2013 : program and abstracts*. - Rio de Janeiro, Brazil : Brazilian Carbon Association, 2013, p.187.
- AFG238 ŠAUŠA, Ondrej - ILLEKOVÁ, Emília - KRIŠTIAK, Jozef - BEREK, Dušan - MACOVÁ, Eva. PALS and DSC study of partially filled nanopores by hexadecane. In *16th International Conference on Positron Annihilation : 19 - 24 August, 2012, Bristol, UK : conference book*. - Bristol, UK : University of Bristol, 2012, p. 161.
- AFG239 ŠAUŠA, Ondrej - MAJERNÍK, V. - ILLEKOVÁ, Emília - MACOVÁ, Eva - BEREK, Dušan. Thermal expansion of free-volume in hexadecane confined in the silica gel nanopores. In *41st Polish Seminar on Positron Annihilation : Lublin, Poland, September 09 - 13, 2013: book of abstracts*. - Lublin, Poland : Maria Curie-Skłodowska University, 2013, p. 51.
- AFG240 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - BEREK, Dušan. Application of liquid chromatography under limiting conditions of desorption to separation of difficult complex polymer systems. In *New Achievement in Chromatography : 19th International Symposium on Separation Sciences : Poreč, Croatia, 25 - 28 September 2013 : book of abstracts*. - Zagreb, Croatia : Croatian Society of Chemical Engineers, 2013, p. 73 - 74. ISBN 978-953-6470-64-8.
- AFG241 ŠIŠKOVÁ, Alena - OPÁLEK, Andrej - ECKSTEIN ANDICSOVÁ, Anita. Controlled release system based on the silk carriers produced by electrospinning. In *Nice 2014 : 2nd International Conference Bioinspired and Biobased Chemistry & Materials : program & abstracts*. - Nice, France : IUPAC, 2014, p65.
- AFG242 ŠIŠKOVÁ, Alena - ECKSTEIN ANDICSOVÁ, Anita - OPÁLEK, Andrej - RYCHTER, Piotr. Fibrous materials prepared by electrospinning for controlled release systems used in agriculture. In *Agricultural applications of Electrospinning & Electrospinning of Agricultural Products : COST MP1206 Workshop, Vienna, Austria, 6.10. - 7.10. 2014 : agenda & abstract collection*. - Vienn, Austria : CEST Kompetenzzentrum fur Electrochemische Oberflächentechnologie, 2014, p. 1.
- AFG243 ŠIŠKOVÁ, Alena - DUBAJ, T. - OPÁLEK, Andrej - KLEINOVÁ, Angela - RYCHTER, P. - ECKSTEIN, Anita. Functionalizing electrospun fibers with active molecules. In *Challenges in Science and Technology of Polymer Materials : Bansko, Bulgaria, May 19-23, 2015 : BOOK OF ABSTRACTS*. - Bansko, Bulgaria, 2015, non p., O19.
- AFG244 ŠIŠKOVÁ, Alena - ECKSTEIN ANDICSOVÁ, Anita - OPÁLEK, Andrej - RYCHTER, Piotr. Functional materials from renewable sources produced by electrospinning technique. In *Chemia - nadzieje i marzenia : 57 Zjazd naukowy polskiego towarzystwa chemicznego i stowarzyszenia inżynierów i techników*

przemysłu chemicznego : materiały zjazdowe streszczenia. - Łódź, Poland : Uniwersytet Łódzki, 2014, s02-P40.

- AFG245 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - BEREK, Dušan. High performance-separation of blends containing low-solubility polymers and biodegradable polymers. In *55 Zjazd Polskiego Towarzystwa Chemicznego i Stowarzyszenia Inżynierów i Techników przemysłu Chemicznego : Białystok, 16 - 20 września 2012.* - Warszawa : Polskie Towarzystwo Chemiczne, 2012, p. 395. ISBN 978-83-60988-12-1.
- AFG246 ŠIŠKOVÁ, Alena - YOSSEN, Mariana - BRANDOLINI, Marcelo C. - VEGA, Jorge R. Characterization of complex polymer systems by advanced methods of liquid chromatography with multiple detection. In *YES 2014 : Fifth Young European Scientists Workshop : Crocow, Poland, September 7-11, 2014 : book of abstracts.* - Crocow, Poland : Jagiellonian University, 2014, p. 45.
- AFG247 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - BEREK, Dušan. Liquid chromatography under limiting conditions of desorption. Separation of blends containing low-solubility polymers and biodegradable polymers. In *HPLC 2012: 38th international symposium on High performance liquid phase separations and related techniques : Anaheim - USA, June 16 - 21, 2012 : proceedings on USB key.* - Anaheim, USA, 2012, [P-430]. Názov z obrazovky. Požaduje sa Adobe Acrobat.
- AFG248 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - BEREK, Dušan. Liquid chromatography under limiting conditions of desorption. Separation of blends containing low-solubility polymers and biodegradable polymers. In *Macro 2012 : Enabling Technologies for a Safe, Sustainable, Healthy World : World Polymer Congress : Blacksburg, USA, June 24-29, 2012 : abstracts book on USB key* [elektronický zdroj]. - Blacksburg, Virginia USA : VirginiaTech, 2012, [1 p.]. Názov z obrazovky.
- AFG249 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - BEREK, Dušan. Liquid chromatography of synthetic polymers under critical conditions - sample recovery. In *ISC 2012 : 29th International Symposium on Chromatography : 18th International Symposium on Separation Sciences : Toruń, Poland : September 9 - 13, 2012 : book of abstracts.* - Toruń, Poland : Wydawnictwo Adam Marszałek, 2012, p. 240. ISBN 978-83-7780-428-5.
- AFG250 ŠIŠKOVÁ, Alena - ECKSTEIN ANDICSOVÁ, Anita - OROVČÍK, Ľubomír - RYCHTER, Piotr. Modification of films and electrospun mats for control release systems used in agriculture. In *BiPoCo 2014 : 2nd International Conference on Bio-based Polymers and Composites : Visegrád, Hungary, August 24-28, 2014 : proceedings.* - Budapest, Hungary : Budapest University of Technology and Economics, 2014, non p.
- AFG251 ŠIŠKOVÁ, Alena - DUBAJ, Tibor - KLEINOVÁ, Angela - ECKSTEIN ANDICSOVÁ, Anita. Modification of cellulose films for controlled release system with potential use in agriculture. In *Advances in cellulose processing and applications - research goes to industry : COST FP1205 Joint Working Groups and Management Committee Meetings : Iasi, Romania, March 10-11, 2015 : program*

and book of abstracts. - Iasi, Romania : Editura Tehnopress, 2015, p. 60. ISBN 978-606-687-185-3.

- AFG252 ŠIŠKOVÁ, Alena - BEREK, Dušan. Molecular characterization of complex polymer systems by means of sequenced two-dimensional liquid chromatography. In *ISC 2012 : 29th International Symposium on Chromatography : 18th International Symposium on Separation Sciences : Toruń, Poland : September 9 - 13, 2012 : book of abstracts*. - Toruń, Poland : Wydawnictwo Adam Marszałek, 2012, p. 238. ISBN 978-83-7780-428-5.
- AFG253 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - OPÁLEK, Andrej - RYCHTER, Piotr - ECKSTEIN ANDICSOVÁ, Anita. Preparation of functional materials from well characterized biodegradable co-polyesters for application in agriculture. In *Nice 2014 : 2nd International Conference Bioinspired and Biobased Chemistry & Materials : program & abstracts*. - Nice, France : IUPAC, 2014, p66.
- AFG254 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - BEREK, Dušan. Sample recovery in liquid chromatography of syntetic polymers. In *IUPAC 2013 : 44th World Chemistry Congress : Istanbul, Turkey, 11 - 16 August 2013 : abstract book*. - Istanbul, Turkey : Turkish Chemical Society, 2013, p. 701.
- AFG255 ŠIŠKOVÁ, Alena - BEREK, Dušan. Sample recovery in liquid chromatography of synthetic polymers under critical conditions of enthalpic interactions. In *HPLC 2012: 38th international symposium on High performance liquid phase separations and related techniques : Anaheim - USA, June 16 - 21, 2012 : proceedings on USB key*. - Anaheim, USA, 2012, [P-431]. Názov z obrazovky. Požaduje sa Adobe Acrobat.
- AFG256 ŠIŠKOVÁ, Alena - BEREK, Dušan. Sample recovery in liquid chromatography of synthetic polymers under critical conditions of enthalpic interactions. In *Macro 2012 : Enabling Technologies for a Safe, Sustainable, Healthy World : World Polymer Congress : Blacksburg, USA, June 24-29, 2012 : abstracts book on USB key* [elektronický zdroj]. - Blacksburg, Virginia USA : VirginiaTech, 2012, [1 p.]. Názov z obrazovky.
- AFG257 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - BEREK, Dušan. Separation of blends containing low-solubility polymers and biodegradable polymers. In *ISC 2012 : 29th International Symposium on Chromatography : 18th International Symposium on Separation Sciences : Toruń, Poland : September 9 - 13, 2012 : book of abstracts*. - Toruń, Poland : Wydawnictwo Adam Marszałek, 2012, p. 239. ISBN 978-83-7780-428-5.
- AFG258 ŠIŠKOVÁ, Alena - BEREK, Dušan. Separation of complex polymer system by means of sequenced two-dimensional liquid chromatography. In *55 Zjazd Polskiego Towarzystwa Chemicznego i Stowarzyszenia Inżynierów i Techników przemysłu Chemicznego : Białystok, 16 - 20 września 2012*. - Warszawa : Polskie Towarzystwo Chemiczne, 2012, p. 385. ISBN 978-83-60988-12-1.
- AFG259 ŠIŠKOVÁ, Alena - BEREK, Dušan. Sequenced two-dimensional liquid chromatography - A method for characterization of complex polymer systems. In

IUPAC 2013 : 44th World Chemistry Congress : Istanbul, Turkey, 11 - 16 August 2013 : abstract book. - Istanbul, Turkey : Turkish Chemical Society, 2013, p. 404.

- AFG260 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - VEGA, Jorge R. - BEREK, Dušan. The study of the sample recovery in the liquid chromatography of complex polymer systems. In *ISC 2014 : 30th International Symposium on Chromatography : Communicating Separation Science for the Future : Salzburg, Austria, September 14-18, 2014 : book of abstracts* [elektronický zdroj]. - Innsbruck, Austria : carpemedia GbR, 2014, p080-FFTU.
- AFG261 ŠIŠKOVÁ, Alena - MACOVÁ, Eva. Utilization of the solvents barrier effect to separate themore-component environmentally friendly polymer systems. In *ISC 2014 : 30th International Symposium on Chromatography : Communicating Separation Science for the Future : Salzburg, Austria, September 14-18, 2014 : book of abstracts* [elektronický zdroj]. - Innsbruck, Austria : carpemedia GbR, 2014, p079-FFMO.
- AFG262 ŠPITALSKÝ, Zdenko - KRUPA, Igor - PROSTREDNÝ, Martin - KRAJČI, Juraj - ALMAADEED, Mariam A. Electrically conductive composites based on an elastomeric matrix filled with expanded graphite for development of an oil sensor. In *Pomerania-Plast 2013: Materiały Polimerowe : Międzyzdroje, Poland, 4 - 7czerwca 2013.* - Szczecin, Poland : Wydawnictwo Uczelniane Zachodniopomorskiego Uniwersytetu Technologicznego w Szczecinie, 2013, p. 333 - 334. ISBN 978-83-7663-153-0.
- AFG263 ŠPITALSKÝ, Zdenko. Graphene - polymer composites for surface treatment of textiles. In *2nd V4-JST workshop on advanced materials, Warsaw, Poland, 17-18 september 2014.* - Warsaw, Poland, 2014, p. 27.
- AFG264 ŠPITALSKÝ, Zdenko - CZANIKOVÁ, Klaudia - KRUPA, Igor - KRATOCHVÍLA, Ján - GRACA, Manuel Pedro - COSTA, Luis Cadillon - KOYNOV, Kaloian. Photoactuation of graphene-polymer nanocomposites. In *GraphEL : a European conference/workshop on the synthesis, characterization and applications of graphene : Mykonos, Greece, 27 - 30 September 2012 : electronic book of abstracts.* - Heraklion, Greece : FORTH/ICE-HT, 2012, p. [P30]. Názov z obrazovky. Požaduje sa Adobe Acrobat.
- AFG265 ŠRÁMKOVÁ, Petra - KRONEK, Juraj. Amphiphilic star-shaped copolymers based on 2-oxazoline for drug delivery. In *BiPoCo 2014 : 2nd International Conference on Bio-based Polymers and Composites : Visegrád, Hungary, August 24-28, 2014 : proceedings.* - Budapest, Hungary : Budapest University of Technology and Economics, 2014, non p.
- AFG266 ŠRÁMKOVÁ, Petra - KRONEK, Juraj. Preparation and characterization of hyperbranched macro-initiators for cationic ring-opening polymerization (CROP) of 2-oxazolines. In *Wurzburg Summer School on Supramolecular Nanosystem : book of abstracts.* - Wurzburg, Germany : Julius-Maximilians-University, 2015, p. 50.
- AFG267 ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej - GORSCHÉ, Christian - LIŠKA, Robert. Micro structural PALS study of dimethacrylate networks. In

Danube Vltava Sava Polymer Meeting : DVSPM 2015 : proceedings of a conference on polymer science. - Linz, Austria : Trauner Verlag Univesitat, 2015, p. 75. ISBN 978-3-99033-491-1.

- AFG268 ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej - RUFF, A. - LUNKENHEIMER, P. - LOIDL, A. - BARTOŠ, Josef. Relaxation data on m-Toluidine in relation to free volume and rotation dynamics from external probing PALS and ESR techniques. In *BDS 2014 : 8th International Conference on Broadband Dielectric Spectroscopy and its Applications : Wisla, Poland, September 14-19, 2014 : programme and book of abstracts.* - Katowice, Poland : Institute of Physics, Universty of Silesia in Katowice, 2014, p. O-50. ISBN 978-83-8012-276-5.
- AFG269 ŠVAJDLENKOVÁ, Helena - BARTOŠ, Josef - YU, Yang - KRAUSE-REHBERG, Reinhard. The spin probe characterization of two polymeric glass-formers in relation to free volume and relaxation dynamics. In *7th International Discussion Meeting on Relaxations in Complex Systems : Barcelona, Spain, July 21th - July 26th, 2013 : book of abstracts.* - Barcelona, Spain : Universitat Polytechnica de Catalunya, 2013, p. [DV-102].
- AFG270 TABAČIAROVÁ, Jana - MIČUŠÍK, Matej - PIONTECK, Jorgen - KRAJČI, Juraj - OMASTOVÁ, Mária. Elastomer/carbon nanotubes composites as liquid and gas sensors. In *ICSM 2014 : Synthetic Metals Guiding the Future : Turku, Finland, 30 Jun- 5 Jul 2014 : abstracts.* - Turku, Finland : University of Turku, 2014, p. 135.
- AFG271 TABAČIAROVÁ, Jana - MIČUŠÍK, Matej - POTSCHEKE, Petra - PIONTECK, Jorgen - OMASTOVÁ, Mária. Liquid sensors based on carbon nanotubescontaining composites. In *CNPComp 2013 : 6th International Conference on Carbon Nanoparticle Based Composites : Dresden, Germany, September 22 to25, 2013 : collection of extended abstracts.* - Dresden, Germany : Leibnitz-Institut fur Polymerforschung Dresden, 2013, [P24]. ISBN 978-3-981-6007-0-4.
- AFG272 TABAČIAROVÁ, Jana - MIČUŠÍK, Matej - FEDORKO, Pavol - OMASTOVÁ, Mária. Štúdium stárnutia polypyrolu pomocou XPS a meraním elektrickej vodivosti. In *Chemické listy*, 2012, roč. 106, č. 6, s. 556. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770.
- AFG273 TABAČIAROVÁ, Jana - MIČUŠÍK, Matej - FEDORKO, Pavol - OMASTOVÁ, Mária. X-ray photoelectron-spectroscopy and conductivity studies of polypyrrole ageing. In *EuroEAP 2012 : second international conference on Electromechanically active polymer (EAP) transducers & artificial muscles : Potsdam - Germany, 29 - 30 May 2012 : book of abstracts.* - Potsdam, Germany : UP Transfer, 2012, p. 15- 16.
- AFG274 TAVMAN, Ismail - TURGUT, Alpaslan - SEVER, Kutlay - OZDEMIR, Ismail - SEKI, Yoldas - KRUPA, Igor - OMASTOVÁ, Mária - JOCHEC MOŠKOVÁ, Daniela - PODHRADSKÁ, Silvia - NOVÁK, Igor. Preparation and rheological characterization of composites based on ethylene-vinylacetate copolymer (EVA) filled with graphite. In *14th International Materials Symposium : IMSP 2012 : Denizli, Turkey, 10 - 12 October 2012 : proceedings.* - Denizli, Turkey : Pamukkale University, 2012, p. [6].

- AFG275 TRELOVÁ, Dušana - KLEINOVÁ, Angela - DVORANOVÁ, D. - CHORVÁT, D. - LACÍK, Igor. FTIR and AFM surface characterization of polyelectrolyte complex microcapsules aimed at pancreatic islets encapsulation. In *Polymers in Medicine : pmm - 76th Prague Meeting on Macromolecules : Prague, Czech Republic, 1 - 5 July 2012 : book of abstracts*. - Prague, Czech Republic : Institute of Macromolecular Chemistry AS CR, 2012, p. 77. ISBN 978-80-85009-72-9.
- AFG276 TRELOVÁ, Dušana - KLEINOVÁ, Angela - DVORANOVÁ, D. - LACÍK, Igor. FTIR spectroscopy as a tool for surface characterization of SA-CS-PMCG polyelectrolyte. In *XXI International Conference on Bioencapsulation : Berlin, Germany, August 28 -30, 2013 : abstract book*. - Berlin, Germany : TU Berlin, Bioencapsulation Research Group, 2013, p. 190 - 191.
- AFG277 TRELOVÁ, Dušana - KLEINOVÁ, Angela - MIČUŠÍK, Matej - DVORANOVÁ, D. - JÁNÉ, E. - VELIČ, D. - LUXBACHER, T. - LACÍK, Igor. Surface characterization of SA-CS-PMCG polyelectrolyte microcapsules. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura konference*. - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 63-65. ISBN 978-80-85009-81-1.
- AFG278 TRHLÍKOVÁ, O. - NETOPILÍK, M. - JANATA, M. - SVITÁKOVÁ, R. - BEREK, Dušan. Estimation of compositional heterogeneity of poly(4-methylstyrene-graft-2vinylpyridine) by combination of chromatographic methods. In *20th International Symposium on Separation Sciences : abstract book and final programme*. - Pardubice, ČR : Univerzita Pardubice, 2014, p. 127. ISBN 978-80-7395-777-3.
- AFG279 VALENTIN, Marian - KRUPA, Igor - DEANKO, Peter - ŠESTÁK, Jozef. An improvement of hydrophobicity of PES and PES/cotton fabrics using sol-gel technology. In *Chemické listy*, 2012, roč. 106, č. 6, s. 553. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770.
- AFG280 VALENTIN, Marian - SKARMOUTSOU, A. - NOVÁK, Igor - KRUPA, Igor - OMASTOVÁ, Mária. Nanoindentation and its application for the study of plasma treated poly(lactic acid) surface. In *The 2nd CEEP Workshop on Polymer Science : Iasi, Romania : 24 - 5 October, 2014 : proceedings*. - Iasi, Romania : Petru Poni Institute of Macromolecular Chemistry, 2014, p. 18.
- AFG281 VALENTIN, Marian - NOVÁK, Igor - KRUPA, Igor - OMASTOVÁ, Mária. Nanoindentation and its application for the study of nanomechanical properties of plasma treated poly(lactic acid) samples with different crystallinity. In *Danube Vltava Sava Polymer Meeting : DVSPM 2015 : proceedings of a conference on polymer science*. - Linz, Austria : Trauner Verlag Univesitat, 2015, p. 82. ISBN 978-3-99033-491-1.
- AFG282 VALENTIN, Marian - KOUMOULOS, E. - DRAGATOIANNIS, D. - CHARITIDIS, C. - KRUPA, Igor - NOVÁK, Igor. Nanomechanical properties of plasma-treated polylactic acid for packaging applications. In *7th MoDeSt*

Conference : Prague, Czech Republic, 2 - 6 September 2012 : programme book with abstracts. - Prague : the Institute of Macromolecular Chemistry AS CR, 2012, p. 75. ISBN 978-80-85009-74-3.

- AFG283 VEGA, Jorge R. - ŠIŠKOVÁ, Alena - CLEMENTI, Luis A. - BEREK, Dušan - MEIRA, Gregorio R. Data treatment in sequenced two-dimensional liquid chromatography. In *ISC 2014 : 30th International Symposium on Chromatography : Communicating Separation Science for the Future : Salzburg, Austria, September 14-18, 2014 : book of abstracts* [elektronický zdroj]. - Innsbruck, Austria : carpemedia GbR, 2014, p254-SFTU.
- AFG284 VNUKOVÁ, Dominika - RÁZGA, Filip - NÉMETHOVÁ, Veronika - LACÍK, Igor. Preparation and stability of chitosan sub-micron particles. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura konference.* - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 61-62. ISBN 978-80-85009-81-1.
- AFG285 VNUKOVÁ, Dominika - RÁZGA, Filip - NÉMETHOVÁ, Veronika - LACÍK, Igor. Preparation of stable chitosan sub-micron particles: Factors affecting their size and colloidal stability. In *Functional Polymers at Bio-Material Interfaces : 79th Prague Meeting on MACromolecules : book of abstracts and programme.* - Prague, Czech Republic : Institute of Macromolecular Chemistry, 2015, p. 58. ISBN 978-80-85009-82-8.
- AFG286 VNUKOVÁ, Dominika - SEMAK, Vladislav - KASÁK, Peter - JANIKOVIČOVÁ, L. - LACÍK, Igor. Preparation and stability of chitosan nanoparticles. In *Workshop Career in Polymers V : book of abstracts.* - Prague, Czech Republic : Institute of Macromolecular Chemistry AS CR, v.v.i., 2013, p. [L13]. ISBN 987-80-85009-76-7.
- AFG287 VNUKOVÁ, Dominika - SEMAK, Vladislav - KASÁK, Peter - JANIKOVIČOVÁ, L. - LACÍK, Igor. Stability of chitosan nanoparticles. In *XXI International Conference on Bioencapsulation : Berlin, Germany, August 28 -30, 2013 : abstract book.* - Berlin, Germany : TU Berlin, Bioencapsulation Research Group, 2013, p. 218 - 219.
- AFG288 ZAHORANOVÁ, Anna - KRONEKOVÁ, Zuzana - ZAHORAN, M. - KLEINOVÁ, Angela - CHORVÁT, Dušan Jr. - KRONEK, Juraj. Effect of drying techniques on new 2-oxazoline-based hydrogels. In *Workshop Careers in Polymers V : book of abstracts.* - Prague, Czech Republic : Institute of Macromolecular Chemistry AV CR, v.v.i., 2013, p.[P10]. ISBN 978-80-85009-76-7.
- AFG289 ZAHORANOVÁ, Anna - KRONEK, Juraj. Synthesis and thermosensitive behavior of hydrogels based on 2-ethyl-2-oxazoline. In *BiPoCo 2014 : 2nd International Conference on Bio-based Polymers and Composites : Visegrád, Hungary, August 24-28, 2014 : proceedings.* - Budapest, Hungary : Budapest University of Technology and Economics, 2014, non p.
- AFG290 ZAHORANOVÁ, Anna - KRONEKOVÁ, Zuzana - ZAHORAN, M. - CHORVÁT, Dušan Jr. - KRONEK, Juraj. 2-Ethyl-2-oxazoline-based hydrogels as

matrices for cell cultivation. In *Epf DRESDEN 2015. European Polymer Congress. : Book of abstracts.* - Dresden, 2015, p. 180.

AFH Abstracts of papers from domestic conferences

AFH01 BORSKÁ, Katarína - DANKO, Martin - MOSNÁČEK, Jaroslav. Irradiation of polylactide and poly(epsilon-caprolactone) doped with benzil. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts.* - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p. 53. ISBN 978-80-970923-2-0.

AFH02 BORSKÁ, Katarína - MORAVČÍKOVÁ, Daniela - ECKSTEIN-ANDICSOVÁ, Anita - MOSNÁČEK, Jaroslav. Study of photochemically induced atom transfer radical polymerization of (meth)acrylates in the presence of oxygen. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015.* - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 83. ISSN 1336-7242.

AFH03 CAPEK, Ignác - CAPEK, Peter - HLOUŠKOVÁ, Zuzana. Biodecorated quantum dots and their conjugates. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015.* - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 147. ISSN 1336-7242.

AFH04 CZANIKOVÁ, Klaudia - SGHAIER, Asma Ben - CHEHIMI, Mohamed M. - OMASTOVÁ, Mária. Actuators on the base of ethylene vinyl acetate/carbon nanotubes/dyes nanocomposites. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015.* - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 156. ISSN 1336-7242.

AFH05 ČÍKOVÁ, Eliška - MICUŠÍK, Matej - ŠIŠKOVÁ, Alena - FEDORKO, Pavol - OMASTOVÁ, Mária. Vodivé nanovláknenné kompozity pripravené elektrostatickým zvlákňovaním. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015.* - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 172. ISSN 1336-7242.

AFH06 DANKO, Martin - KASÁK, Peter - HRDLOVIČ, Pavol. Spectral study of interactions of pyrene based probes in polymer matrices. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015.* - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 141-142. ISSN 1336-7242.

AFH07 ĎURKÁČOVÁ, Slávka - DANKO, Martin - MOSNÁČEK, Jaroslav. Preparation of functional copolymers of alpha-methylene-gamma-butyrolactone and epsilon-caprolactone. In *PMA 2015 & SRC 2015 : book of proceedings.* - Bratislava : STU, Faculty of Chemical and Food Technology & Polymer Institute of SAS, 2015, p. 179-180. ISBN 978-80-970923-7-5.

- AFH08 FALCO, M. L. - PAPAJOVÁ, Eva - DANKO, Martin - MOSNÁČEK, Jaroslav. Respirometric study of polymer biodegradation in soil. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book*. - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 55. ISBN 978-80-970923-5-1.
- AFH09 HLOUŠKOVÁ, Gabriela - KASÁK, Peter - SEMAK, Vladislav - SEMAKOVÁ, Jana - ROKSTAD, Anne Mari - BAČOVÁ, Zuzana - ŠTRBÁK, Vladimír - TAKÁČOVÁ, Martina - LACÍK, Igor. Modifikácia polymérnych mikrokapsúl pre imunitnú ochranu transplantovaných pankreatických ostrovčiekov z pohľadu biokompatibility. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov*. - Bratislava : Ústav polymérov SAV, 2012, s. 71 - 72. ISBN 978-80-970923-0-6.
- AFH10 HLOUŠKOVÁ, Gabriela - KASÁK, Peter - SEMAK, Vladislav - SEMAKOVÁ, Jana - ROKSTAD, Anne Mari - STEINKJER, Bjork - ESPEVIK, Terje - BAČOVÁ, Zuzana - ŠTRBÁK, Vladimír - TAKÁČOVÁ, Martina - LACÍK, Igor. Polymeric microcapsules with improved biocompatibility for immune-protection of transplanted pancreatic islets. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts*. - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p.87 - 88. ISBN 978-80-970923-2-0.
- AFH11 HRČKOVÁ, Ľudmila - KOLLÁR, Jozef - CHMELA, Štefan - MACOVÁ, Eva - ŠIŠKOVÁ, Alena - BEREK, Dušan. Syntéza makroiniciátorov a príprava diblokových kopolymérov. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015*. - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 148. ISSN 1336-7242.
- AFH12 HRONKOVIČ, Ján - PREŤO, Jozef - VANKO, Vladimír - HUDEČ, Ivan - CHODÁK, Ivan. Antioxidant effect of lignosulfonate in sidewall rubber compound. In *PMA 2015 & SRC 2015 : book of proceedings*. - Bratislava : STU, Faculty of Chemical and Food Technology & Polymer Institute of SAS, 2015, p. 193-195. ISBN 978-80-970923-7-5.
- AFH13 CHOVANCOVÁ, Anna - UHELKÁ, Lucia - STACH, Marek - HORVÁTH, B. - LACÍK, Igor. Determination of kp values for free radical polymerization of acrylamide in aqueous solution. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book*. - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 71. ISBN 978-80-970923-5-1.
- AFH14 ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - DANKO, Martin - ŠPITALSKÝ, Zdenko - KRUPA, Igor - CHORVÁT, Dušan Jr. - KOYNOV, Kaloian. Photoactuation phenomenon of carbon fillerbased composites observed by confocal microscopy. In *BYPOS 2012 : Bratislava Young Polymer Scientists*

Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts. - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p. 51. ISBN 978-80-970923-2-0.

- AFH15 JANIGOVÁ, Ivica - RYCHLÝ, Jozef - CSOMOROVÁ, Katarína - RYCHLÁ, Lýdia. Degradácia celulózy a jej derivátov. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015. - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 149-150. ISSN 1336-7242.
- AFH16 JOKRLLOVÁ, Jana - ČÍK, Gabriel - ŠERŠEŇ, František - ŠVAJDLENKOVÁ, Helena - LUKEŠOVÁ, Miroslava. Využitie modifikovaných zeolitov na fotokatalytickú redukciu CO₂. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015. - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 168-169. ISSN 1336-7242.
- AFH17 KOLLÁR, Jozef - CHMELA, Štefan - HRČKOVÁ, Ľudmila - HRDLOVIČ, Pavol. Tipno type fluorescent dye-labelled regulators for nitroxide mediated radical polymerization. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts.* - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p.43 - 44. ISBN 978-80-970923-2-0.
- AFH18 KULIČEK, Jaroslav - MIČUŠÍK, Matej - SCHERBAHN, Vitali - MIRSKÝ, Vladimír M. - OMASTOVÁ, Mária. Electrodes decorated by metal nanoparticles for sensing application. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015. - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 84. ISSN 1336-7242.
- AFH19 KULIČEK, Jaroslav - MIČUŠÍK, Matej - SCHERBAHN, V. - MIRSKY, V. M. - LOBOTKA, Peter - RADNÓCZI, G. - OMASTOVÁ, Mária. Layer-by-layer deposition of metal ionic nanocolloids on the gold electrode surface. In *The 2nd International conference on nanomaterials: Fundamentals and applications : Book of abstracts. Košice, 26.-28.10.2015.* - Košice : NFA, 2015, p. 35. ISBN 978-80-8152-312-0.
- AFH20 KULIČEK, Jaroslav - MIČUŠÍK, Matej - ŠPITALSKÝ, Zdenko - GEMEINER, P. - ŠVORC, Ľ. - OMASTOVÁ, Mária. Multiwall carbon nanotubes and graphite oxide polypyrrole composites in solar cell application. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book.* - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 51. ISBN 978-80-970923-5-1.
- AFH21 LUKEŠOVÁ, Miroslava - ŠVAJDLENKOVÁ, Helena - LUŠPAI, K. - EDELMANN, M. - MACOVÁ, Eva - BEREK, Dušan - BARTOŠ, Josef. Spin probe characterization of bulk N-hexadecane and a series of pore confined N-hexadecane/CPG systems. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of*

abstracts. - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p. 93 - 94. ISBN 978-80-970923-2-0.

- AFH22 LUKEŠOVÁ, Miroslava - ŠVAJDLENKOVÁ, Helena - VALIČ, S. - SIPPEL, P. - MACOVÁ, Eva - BEREK, Dušan - BARTOŠ, Josef. Spin probe dynamics and phase transition study of bulk N-hexadecane and A series of pore confined N-hexadecane/silica gel systems. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book*. - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 59. ISBN 978-80-970923-5-1.
- AFH23 MIČUŠÍK, Matej - CZANIKOVÁ, Klaudia - KASÁK, Peter - KRUPA, Igor - OMASTOVÁ, Mária. Polymer/carbon nanotubes composites for nano-optical mechanical systems. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts*. - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p. 63. ISBN 978-80-970923-2-0.
- AFH24 MORAVČÍKOVÁ, Daniela - KOLLÁR, Jozef - MRLÍK, Miroslav - KRONEKOVÁ, Zuzana - LACÍK, Igor - MOSNÁČEK, Jaroslav. Tulips as a source of monomer for superabsorbent hydrogels. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015*. - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 91. ISSN 1336-7242.
- AFH25 MOSNÁČKOVÁ, Katarína - CHEHIMI, Mohamed M. - FEDORKO, Pavol - OMASTOVÁ, Mária. Polyamide-grafted polypyrrole : formation, properties and stability. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts*. - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p. 47. ISBN 978-80-970923-2-0.
- AFH26 MOUČKA, Robert - JANDÍKOVÁ, Gabriela - MRLÍK, Miroslav - ILČÍKOVÁ, Markéta - KAZANTSEVA, Natalia - ŠPITALSKÝ, Zdenko. Influence of structure and morphology of polyaniline on its electric properties. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts*. - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p. 95 - 96. ISBN 978-80-970923-2-0.
- AFH27 NÓGELLOVÁ, Zuzana - JOCHEC - MOŠKOVÁ, Daniela - SEDNIČKOVÁ, Michaela - CHODÁK, Ivan. Vlastnosti nanokompozitov na báze termoplastickej matrice. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015*. - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 156. ISSN 1336-7242.
- AFH28 NOVÁK, Igor - POPELKA, Anton - LEHOCKÝ, Marian - VALENTIN, Marian - CHODÁK, Ivan - PRACHÁR, Jozef. Antibacterial pre-treatment of polyethylene using cold plasma. In *PMA 2015 & SRC 2015 : book of proceedings*. -

Bratislava : STU, Faculty of Chemical and Food Technology & Polymer Institute of SAS, 2015, p. 92-93. ISBN 978-80-970923-7-5.

- AFH29 OMASTOVÁ, Mária - ŠPITALSKÝ, Zdenko - ŠIFFALOVÍČ, Peter - KONERACKÁ, Martina - PASTOREKOVÁ, Silvia. Surface modification of carbon nanostructures for advanced application. In *The 2nd International conference on nanomaterials: Fundamentals and applications : Book of abstracts. Košice, 26.-28.10.2015.* - Košice : NFA, 2015, p. 59. ISBN 978-80-8152-312-0.
- AFH30 PIDLUZHNA, Anna - PODHRADSKÁ, Silvia - MATULKA, Daria - OMASTOVÁ, Mária. New composite electrode materials for lithium batteries. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015.* - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 157. ISSN 1336-7242.
- AFH31 PODHRADSKÁ, Silvia - MIČUŠÍK, Matej - ŠIVOVÁ, Mária - IVANIČ, František - CHODÁK, Ivan. Correlation of electrical conductivity and mechanical properties of electroconductive composites based on elastometric or thermoplastic matrices. In *PMA 2015 & SRC 2015 : book of proceedings.* - Bratislava : STU, Faculty of Chemical and Food Technology & Polymer Institute of SAS, 2015, p. 220-222. ISBN 978-80-970923-7-5.
- AFH32 POLYÁK, P. - HÁRI, J. - OMASTOVÁ, Mária - MIČUŠÍK, Matej - PUKÁNSZKY, B. Halloysite nanotube as functional filler in polymer nanocomposites. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book.* - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 41. ISBN 978-80-970923-5-1.
- AFH33 PRACHÁR, Jozef - NOVÁK, Igor - ZAHORANOVÁ, Anna - MIČUŠÍK, Matej - KLEINOVÁ, Angela - BORSIG, Eberhard. Plasma-induced grafting of organosilicones onto polypropylene surface; film stability and cytotoxicity. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book.* - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 49. ISBN 978-80-970923-5-1.
- AFH34 PREUSSER, C. - HUTCHINSON, R. A. - WITTENBERG, N. F. G. - KATTNER, H. - BUBACK, M. - CHOVANCOVÁ, Anna - STACH, Marek - LACÍK, Igor. Modeling and measurement of aqueous phase acrylic acid/acrylamide copolymerization kinetics. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book.* - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 69. ISBN 978-80-970923-5-1.
- AFH35 RÁZGA, Filip - NÉMETHOVÁ, Veronika - MORAVČÍKOVÁ, Daniela - RACIL, Z. - ZACKOVA, D. - DVORAKOVA, D. - JURCEK, T. - MAYER, J. Can we predict resistance in CML? - A single center experience. In *XVII. Slovensko-český hematologický a transfuziologický zjazd : 24. 27. september 2015,*

Bratislava : *abstrakty prednášok*. - Bratislava : A-medi management, 2015, s. 61.
ISBN 978-80-89797-02-8.

- AFH36 RIECKA, Jana - KASÁK, Peter. Preparation of hydrogel by electrodeposition and effect of electric current on hydrogels. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts*. - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p.79 - 80. ISBN 978-80-970923-2-0.
- AFH37 SEDNIČKOVÁ, Michaela - JOCHEC MOŠKOVÁ, Daniela - JANIGOVÁ, Ivica - JANKOVIČ, Ľuboš - CHODÁK, Ivan. Influence of surface modification of montmorillonite on rubber composites. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015*. - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 159. ISSN 1336-7242.
- AFH38 SEMAK, Vladislav - KASÁK, Peter - VNUKOVÁ, Dominika - JANIKOVIČOVÁ, Lujza - TAKÁČOVÁ, Martina - ZAŤOVIČOVÁ, Miriam - PASTOREKOVÁ, Silvia - LACÍK, Igor. Carbonic anhydrase inhibition approach based on chitosan nanoparticles. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov*. - Bratislava : Ústav polymérov SAV, 2012, s. 92 - 93. ISBN 978-80-970923-0-6.
- AFH39 SEMAK, Vladislav - KASÁK, Peter - JANIKOVIČOVÁ, Lujza - TAKÁČOVÁ, Martina - ZAŤOVIČOVÁ, Miriam - PASTOREKOVÁ, Silvia - LACÍK, Igor. Toward a carbonic anhydrase inhibitors based on chitosan nanoparticles. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts*. - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p. 75 - 76. ISBN 978-80-970923-2-0.
- AFH40 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - BEREK, Dušan. Sample recovery in liquid chromatography under critical conditions of synthetic polymers. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts*. - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p. 33. ISBN 978-80-970923-2-0.
- AFH41 ŠIŠKOVÁ, Alena - MACOVÁ, Eva. Study of separation of the particular components of commercially available eco-friendly polymer systems. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book*. - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 63. ISBN 978-80-970923-5-1.
- AFH42 ŠIŠKOVÁ, Alena - ECKSTEIN ANDICSOVÁ, Anita - OPÁLEK, Andrej. Targeted modification of films and electrospun fiber mats for control release systems used in agriculture. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book*. - Bratislava :

Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 65. ISBN 978-80-970923-5-1.

- AFH43 ŠPITALSKÝ, Zdenko - PROSTREDNÝ, Martin - KRUPA, Igor. Electrically conductive composites based on an elastomeric matrix filled with expanded graphite as a potential oil sensing material. In *PMA 2015 & SRC 2015 : book of proceedings*. - Bratislava : STU, Faculty of Chemical and Food Technology & Polymer Institute of SAS, 2015, p. 126-127. ISBN 978-80-970923-7-5.
- AFH44 ŠPITALSKÝ, Zdenko. Grafén - polymérne nanokompozity na povrchovú úpravu textílií. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015*. - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 91. ISSN 1336-7242.
- AFH45 ŠRÁMKOVÁ, Petra - KRONEK, Juraj. Preparation of macro-initiators for star-shaped poly(2-oxazolines). In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book*. - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 77. ISBN 978-80-970923-5-1.
- AFH46 ŠRÁMKOVÁ, Petra - KRONEK, Juraj. Príprava hypervetvených poly(esteramidov) a poly(éteramidov) ako mikroiniciátorov pre kationovú polymerizáciu 2-oxazolinov. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 67. Zjazd chemikov : Horný Smokovec, 7.- 11. september 2015*. - Bratislava : Slovenská chemická spoločnosť, 2015, 2015, roč.11, č. 1, s. 92. ISSN 1336-7242.
- AFH47 TABAČIAROVÁ, Jana - MIČUŠÍK, Matej - PIONTECK, J. - OMASTOVÁ, Mária. Elastomer/carbon nanotubes composites as prospective sensing materials. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book*. - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 37. ISBN 978-80-970923-5-1.
- AFH48 TABAČIAROVÁ, Jana - MIČUŠÍK, Matej - FEDORKO, Pavol - OMASTOVÁ, Mária. Study of polypyrrole ageing by XPS and conductivity measurements. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts*. - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p. 55 - 56. ISBN 978-80-970923-2-0.
- AFH49 TREĽOVÁ, Dušana - KLEINOVÁ, Angela - MIČUŠÍK, Matej - DVORANOVÁ, D. - CHORVÁT, Dušan Jr. - LACÍK, Igor. Physico-chemical analysis of polyelectrolyte complex based microcapsule surface. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts*. - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p. 73 - 74. ISBN 978-80-970923-2-0.

AFH50 UHELSKÁ, Lucia - KASÁK, Peter - SEMAK, V. - HLOUŠKOVÁ, Gabriela - CHORVÁT, Dušan - TREŠOVÁ, Dušana - RÁZGA, Filip - NÉMETHOVÁ, Veronika - KRONEKOVÁ, Zuzana - KRONEK, Juraj - LACÍK, Igor. Zwitterionic polymers applied toward enhanced biotolerability of microcapsules used for immunoprotection of encapsulated cells. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book*. - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 81. ISBN 978-80-970923-5-1.

AFH51 VALENTIN, Marian - NOVÁK, Igor - OMASTOVÁ, Mária - CHODÁK, Ivan - PRACHÁR, Jozef - ŽIGO, Ondrej. Study of nanomechanical properties of plasma treated poly(lactic acid) samples with different crystallinity content. In *PMA 2015 & SRC 2015 : book of proceedings*. - Bratislava : STU, Faculty of Chemical and Food Technology & Polymer Institute of SAS, 2015, p. 138. ISBN 978-80-970923-7-5.

AFH52 VNUKOVÁ, Dominika - RÁZGA, Filip - LACÍK, Igor. Preparation, characterization and stability of chitosan sub-micron particles. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book*. - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 67. ISBN 978-80-970923-5-1.

AFH53 ZAHORANOVÁ, Anna - KRONEK, Juraj. Poly(2-oxazoline)-based networks: Synthesis and characterization. In *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book*. - Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014, p. 79. ISBN 978-80-970923-5-1.

AFHA Abstracts of papers from international conferences in Slovakia

AFHA01 BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena - ZALESKI, R. - LUKEŠOVÁ, Miroslava - EDELMANN, M. Spin probe dynamics and free volume in crystallizing compounds : n-Hexadecane. In *XXV International EPR Seminar : Častá - Papiernička, April 2013 : book of abstracts*. p. 41. - Bratislava : Ústav fyzikálnej chémie a chemickej fyziky FCHPT STU v Bratislave, 2013. ISBN 978-80-227-3893-4.

AFHA02 BERTÓK, Tomáš, 1986- - KASÁK, Peter - TKÁČ, Ján. Electrochemical evaluation of the sensitivity, detection limit and non-specific interactions of the nanostructured protein-based affinity biosensor. In *Current Opinion in Biotechnology*, 2013, vol. 24 Suppl., p. S64. (2013 - Current Contents). ISSN 0958-1669.

AFHA03 BOTROS, Samir H. - ROZEIK, Nehad N. - CHODÁK, Ivan - MOUSTAFA, Ahmed F. Morphology and mechanical properties of PVC/poly(MMA)-b-poly(N-butyl acrylate)-b-poly(MMA) triblock copolymer blends. In *Chemické listy*, 2013, roč. 107, č. S, s.s44 - s46. (0.453 - IF2012). (2013 - Current Contents). ISSN 0009-2770.

AFHA04 BUČKO, Marek - SCHENKMAYEROVÁ, Andrea - GEMEINER, Peter - BERTÓKOVÁ, Illés - Anikó - VIKARTOVSKÁ, Alica, Welwardová -

- SLANINKOVÁ, Ivana - LACÍK, Igor. Polyelectrolyte complexes for design of viable-cell biocatalysts and biosensors. In *XXII International Conference on Bioencapsulation, September 17-19, 2014, Bratislava, Slovakia, Polymer Institute SAS, 2014*. - Bratislava : Polymer Institute SAS, 2014, o4-1, p. 64-65.
- AFHA05 CAPEK, Ignác - HLOUŠKOVÁ, Zuzana - CAPEK, Peter - CIGÁŇ, Alexander. Biodecorated magnetic nanoparticles in therapeutics. In *1st international conference on nanomaterials: fundamentals and applications : Book of abstracts. Štrbské Pleso, 3.-6.10.2012*. - Košice : NFA, 2012, p. 54-55. ISBN 978-80-7097-970-9.
- AFHA06 CIFRA, Peter - BLEHA, Tomáš. DNA analysis through confinement in nanofluidic devices. In *1st international conference on nanomaterials: fundamentals and applications : Book of abstracts. Štrbské Pleso, 3.-6.10.2012*. - Košice : NFA, 2012, p. 42 - 43. ISBN 978-80-7097-970-9.
- AFHA07 CZANIKOVÁ, Klaudia - KRUPA, Igor - KASÁK, Peter - ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - MÍČUŠÍK, Matej - TORRAS, N. - ESTEVE, J. - CHORVÁT, Dušan Jr. - RAČKO, Dušan - PAVLOVÁ, E. - OMASTOVÁ, Mária. Photo-actuation study of ethylene vinyl acetate copolymer filled with modified carbon nanotubes. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 207 - 208. ISBN 978-80-970923-3-7.
- AFHA08 CZANIKOVÁ, Klaudia - KRUPA, Igor - KASÁK, Peter - ILČÍKOVÁ, Markéta - TORRAS, N. - JAUME, E. - CHORVÁT, Dušan Jr. - RAČKO, Dušan - ŠLOUF, M. - OMASTOVÁ, Mária. Photo-thermal actuation of ethylene vinylacetate/carbon nanotubes composites. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 100 - 101. ISBN 978-80-970923-3-7.
- AFHA09 CZANIKOVÁ, Klaudia - KRUPA, Igor - OMASTOVÁ, Mária. Photo-thermal actuation of elastomer/carbon nanotubes composites. In *ISE '14 : 14th International Seminar on Elastomers : Bratislava, Slovakia, August 24th - 28th, 2014 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, 2014, p. 127-129. ISBN 978-80-970923-6-8.
- AFHA10 CZANIKOVÁ, Klaudia - KRUPA, Igor - OMASTOVÁ, Mária - JANČÁŘ, J. Photo-thermal actuation of ethylene vinyl acetate composites filled with modified carbon nanotubes. In *ISE '14 : 14th International Seminar on Elastomers : Bratislava, Slovakia, August 24th - 28th, 2014 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, 2014, p. 147-149. ISBN 978-80-970923-6-8.
- AFHA11 FLORIÁN, Štepán - NOVÁK, Igor - IHNÁT, Vladimír - VANKO, Vladimír - CHODÁK, Ivan - ŽIGO, Ondrej - PRACHÁR, Jozef. Štúdium adhézných vlastností polyuretánových adhezív pri lepení dreva. In *Zborník zo záverečnej konferencie projektu EU HUSK/1001/2.5.2/0025 : Bratislava, 29.4.2014 : súbor vedeckých štúdií z medzinárodnej konferencie*. - Bratislava : VÚPC,a.s. Bratislava, 2014, s. 62. ISBN 978-80-971589-7-2.

- AFHA12 GEMEINER, P. - MIKULA, M. - OMASTOVÁ, Mária. Properties of screen printed TiO₂ based layers for dye sensitized solar cells. In *Volume of abstracts of the 3rd International scientific conference OZE 2012: Renewable energy sources 2012 : Tatranské Matliare, May 15 - 17, 2012.* - Bratislava : Slovak University of Technology, 2012, p. 277 - 278. ISBN 978-80-89402-48-9.
- AFHA13 GEORGIOUSIS, G. - PANDIS, C. - KALAMITIS, A. - GEORGIOPOULOS, P. - KYRITSIS, A. - KONTOU, E. - MICUŠÍK, Matej - CZANIKOVÁ, Klaudia - OMASTOVÁ, Mária - PISSIS, P. Strain and damage sensing in polyvinylidene fluoride-carbon nanotubes nanocomposites. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 264 - 265. ISBN 978-80-970923-3-7.
- AFHA14 HORNY, N. - CHIRTOC, M. - TURGUT, A. - TAVMAN, I. - OMASTOVÁ, Mária - KRUPA, Igor. Photothermal study of thermo-optical properties of polymer/graphite nanocomposites. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts.* p. 47 - 48. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013. ISBN 978-80-970923-3-7.
- AFHA15 HRONKOVIČ, J. - PREŤO, J. - TRNOVEC, J. - GAŽOVIČ, P. - VEREŠ, J. - CHODÁK, Ivan. The rubber crumb processing in rubber compound. In *ISE '14 : 14th International Seminar on Elastomers : Bratislava, Slovakia, August 24th - 28th, 2014 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, 2014, p. 159-161. ISBN 978-80-970923-6-8.
- AFHA16 CHODÁK, Ivan - KRAJČI, Juraj. Determination of structure of reinforcing filler network by electrical conductivity of the polymer/carbon black composite. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 85. ISBN 978-80-970923-3-7.
- AFHA17 CHODÁK, Ivan - PODHRADSKÁ, Silvia - ŠIVOVÁ, Mária - OMASTOVÁ, Mária. Nanocomposites with polymeric matrix preparation, properties, applications. In *ISE '14 : 14th International Seminar on Elastomers : Bratislava, Slovakia, August 24th - 28th, 2014 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, 2014, p. 146. ISBN 978-80-970923-6-8.
- AFHA18 JANKOVIČ, Ľuboš - HRACHOVÁ, Jana - JOCHEC MOŠKOVÁ, Daniela - MADEJOVÁ, Jana - KOMADEL, Peter - CHODÁK, Ivan. Novel rubber organoclay nanocomposites. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 220 - 221. ISBN 978-80-970923-3-7.
- AFHA19 JOCHEC MOŠKOVÁ, Daniela - JANIGOVÁ, Ivica - NÓGELLOVÁ, Zuzana - HLOUŠKOVÁ, Zuzana - JANKOVIČ, Ľuboš - KOMADEL, Peter. Design of optimal surface modification of clays for a particular polymer. In *ISE '14 : 14th International Seminar on Elastomers : Bratislava, Slovakia, August 24th - 28th,*

2014 : *book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, 2014, p. 162-163. ISBN 978-80-970923-6-8.

- AFHA20 JOCHEC MOŠKOVÁ, Daniela - NÓGELLOVÁ, Zuzana - PODHRADSKÁ, Silvia - JANKOVIČ, Ľuboš - HRACHOVÁ, Jana - CHODÁK, Ivan. Tailor made organic modification of MMT. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 222. ISBN 978-80-970923-3-7.
- AFHA21 KAZANTSEVA, N. E. - BABAYAN, V. - SAPURINA, I. Yu. - MOUČKA, R. - VILČÁKOVÁ, J. - STEJSKAL, J. - OMASTOVÁ, Mária - SÁHA, P. Core-shell magnetic particles with controlled electromagnetic properties in radiofrequency band. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 109 - 110. ISBN 978-80-970923-3-7.
- AFHA22 KRAJČI, Juraj - PROKEŠ, J. - CHODÁK, Ivan. Electrical conductivity of composites during mechanical deformation. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 229. ISBN 978-80-970923-3-7.
- AFHA23 KRATOCHVÍLA, Ján - ŠPITALSKÝ, Zdenko - KRUPA, Igor. Electrical conductivity and rheological behaviours of graphite filled polymer composites. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 230 - 231. ISBN 978-80-970923-3-7.
- AFHA24 KRATOCHVÍLA, Ján - ŠPITALSKÝ, Zdenko - KRUPA, Igor. Rheological and electrical properties of composites based on low density polyethylene and expanded graphite. In *Chemické listy*, 2013, roč. 107, č. S, s. s141. (0.453 - IF2012). (2013 - Current Contents). ISSN 0009-2770.
- AFHA25 KRUPA, Igor - ŠPITALSKÝ, Zdenko - PROSTREDNÝ, Martin - KRAJČI, Juraj - ALMAADEED, M. Electrically conductive composites for development of oil sensors. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 71 - 72. ISBN 978-80-970923-3-7.
- AFHA26 LUKEŠOVÁ, Miroslava - ŠVAJDLENKOVÁ, Helena - LUŠPAI, K. - EDELMANN, M. - BEREK, Dušan - BARTOŠ, Josef. ESR and DSC study of spin probe and phase dynamics in the bulk and confined n-alkane: n-Hexadecane case. In *XXV International EPR Seminar : Častá - Papiernička, April 2013 : book of abstracts*. p. 42. - Bratislava : Ústav fyzikálnej chémie a chemickej fyziky FCHPT STU v Bratislave, 2013. ISBN 978-80-227-3893-4.
- AFHA27 MIČUŠÍK, Matej - TABAČIAROVÁ, Jana - FEDORKO, P. - OMASTOVÁ, Mária. Conducting filler ageing: XPS and electrical conductivity study. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 -*

29, 2013 : *book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 108. ISBN 978-80-970923-3-7.

- AFHA28 MIKULEC, Marcel - LUSTOŇ, Jozef - KRONEK, Juraj. Polymers and copolymers based on unsaturated 2-oxazolines by free-radical polymerization. In *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts*. - Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012, p. 71 - 72. ISBN 978-80-970923-2-0.
- AFHA29 MOSNÁČKOVÁ, Katarína - MIČUŠÍK, Matej - FEDORKO, P. - KOVÁŘOVÁ, J. - CHEHIMI, M.M. - OMASTOVÁ, Mária. Surface properties and morphology of conductive textiles. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 255 - 256. ISBN 978-80-970923-3-7.
- AFHA30 MOUČKA, R. - MRLIK, M. - ILČÍKOVÁ, Markéta - BOBER, R. - KAZANTSEVA, N. - STEJSKAL, J. - ŠPITALSKÝ, Zdenko. Aniline oligomers: Characterization and electrical properties. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 111 - 112. ISBN 978-80-970923-3-7.
- AFHA31 NÓGELLOVÁ, Zuzana - ALMAADEED, M. A. - KRUPA, Igor - CHODÁK, Ivan. Properties of low density polyethylene composites filled with date palm wood powder. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 233. ISBN 978-80-970923-3-7.
- AFHA32 NOVÁK, Igor - IHNÁT, Vladimír - POPELKA, Anton - VALENTIN, Marian - ŽIGO, Ondrej - FLORIÁN, Štepán. Adhézne vlastnosti dreva modifikovaného plazmou. In *Zborník zo záverečnej konferencie projektu EU HUSK/1001/2.5.2/0025 : Bratislava, 29.4.2014 : súbor vedeckých štúdií z medzinárodnej konferencie*. - Bratislava : VÚPC,a.s. Bratislava, 2014, s. 60. ISBN 978-80-971589-7-2.
- AFHA33 NOVÁK, Igor - CHODÁK, Ivan - KRUPA, Igor - VALENTIN, Marian - PRACHÁR, Jozef. Investigation of mechanical, electrical and thermal properties of EVA-based composites. In *ISE '14 : 14th International Seminar on Elastomers : Bratislava, Slovakia, August 24th - 28th, 2014 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, 2014, p. 172-173. ISBN 978-80-970923-6-8.
- AFHA34 NOVÁK, Igor - VANKO, V. - PREŤO, J. - HRONKOVIČ, J. - CHODÁK, Ivan - ORAVCOVÁ, Andrea. Modification of adhesive properties of polyurethane adhesives. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 205 - 206. ISBN 978-80-970923-3-7.
- AFHA35 NOVÁK, Igor - POPELKA, Anton - CHODÁK, Ivan - SEDLIAČIK, Ján - VANKO, Vladimír - KLEINOVÁ, Angela. Pre-treatment of beech wood by

radio-frequency discharge plasma. In *Chemické listy*, 2013, roč. 107, č. S, s. s46 - s47. (0.453 - IF2012). (2013 - Current Contents). ISSN 0009-2770.

- AFHA36 OMASTOVÁ, Mária - CZANIKOVÁ, Klaudia - KASÁK, Peter - KRUPA, Igor. Bimodal actuators on the base of ethylene vinyl acetate and carbon nanotubes nanocomposites. In *1st international conference on nanomaterials: fundamentals and applications : Book of abstracts. Štrbské Pleso, 3.-6.10.2012.* - Košice : NFA, 2012, p. 22. ISBN 978-80-7097-970-9.
- AFHA37 ORAVEC, J. - PREŤO, J. - MELUŠ, P. - ORAVCOVÁ, Andrea - KNAZEOVÁ, A. - CHODÁK, Ivan. Application of biopolymer fillers into natural rubber blends. In *ISE '14 : 14th International Seminar on Elastomers : Bratislava, Slovakia, August 24th - 28th, 2014 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, 2014, p. 182-184. ISBN 978-80-970923-6-8.
- AFHA38 ORAVEC, J. - PREŤO, J. - HRONKOVIČ, J. - MELUŠ, P. - CHODÁK, Ivan - ORAVCOVÁ, Andrea - KNAZEOVÁ, A. Effect of bio-based fillers application in specific rubber blends. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 257 - 258. ISBN 978-80-970923-3-7.
- AFHA39 POČAROVSKÝ, P. - CHODÁK, Ivan - ŠIVOVÁ, Mária - JOCHEC MOŠKOVÁ, Daniela - SEDNIČKOVÁ, Michaela. The influence of surface-active chemicals on physico-mechanical properties of natural rubber with lignin as bio-filler. In *ISE '14 : 14th International Seminar on Elastomers : Bratislava, Slovakia, August 24th - 28th, 2014 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, 2014, p. 144-145. ISBN 978-80-970923-6-8.
- AFHA40 POPELKA, Anton - NOVÁK, Igor - CHODÁK, Ivan - LEHOCKÝ, Marián - KLEINOVÁ, Angela - VANKO, Vladimír. Polyethylene antibacterial modified by polysaccharides via cold plasma. In *Chemické listy*, 2013, roč. 107, č.S, s. s162 - s164. (0.453 - IF2012). (2013 - Current Contents). ISSN 0009-2770.
- AFHA41 PRACHÁR, Jozef - NOVÁK, Igor - BORSIG, Eberhard - KLEINOVÁ, Angela - MICUŠÍK, Matej - OMASTOVÁ, Mária. Chemical composition of polypropylene surface pre-treated by plasma. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 268 - 269. ISBN 978-80-970923-3-7.
- AFHA42 PREŤO, J. - HRONKOVIČ, J. - ORAVEC, J. - HUDEČ, I. - CHODÁK, Ivan. Influence of calcium lignosulfonate on the properties of rubber blends. In *ISE '14 : 14th International Seminar on Elastomers : Bratislava, Slovakia, August 24th - 28th, 2014 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, 2014, p. 190-191. ISBN 978-80-970923-6-8.
- AFHA43 PREŤO, J. - BEREK, Dušan - NOVÁK, Igor - HRONKOVIČ, J. - VANKO, V. Nanoporous carbon fibers as a filler in the rubber compound. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book*

of abstracts. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 270 - 271. ISBN 978-80-970923-3-7.

- AFHA44 REKOŠOVÁ, Jana - NÓGELLOVÁ, Zuzana - HUDEC, Ivan - CHODÁK, Ivan. The study of influence of metal powder fillers on the properties of composite materials. In *Chemické listy*, 2013, roč. 107, č. S, s. s172 - s174. (0.453 - IF2012). (2013 - Current Contents). ISSN 0009-2770.
- AFHA45 STEJSKAL, J. - BOBER, P. - TRCHOVÁ, M. - PROKEŠ, J. - OMASTOVÁ, Mária. Conducting nanomaterials: Polyaniline and polypyrrole composites with silver. In *1st international conference on nanomaterials: fundamentals and applications : Book of abstracts. Štrbské Pleso, 3.-6.10.2012.* - Košice : NFA, 2012, p. 67. ISBN 978-80-7097-970-9.
- AFHA46 ŠPITALSKÝ, Zdenko - KRUPA, Igor - PROSTREDNÝ, M. - KRAJČI, Juraj - ALMAADEED, M. Electrically conductive composites based on an elastometric matrix filled with expanded graphite for development of an oil sensors. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 282. ISBN 978-80-970923-3-7.
- AFHA47 ŠPITALSKÝ, Zdenko - NÓGELLOVÁ, Zuzana - ŽIGO, Ondrej - MALÍKOVÁ, Marta - KRATOCHVÍLA, Ján - CSOMOROVÁ, Katarína - ALMAADEED, M. - KRUPA, Igor. New phase change materials with improved heat transfer properties based on the high density polyethylene and encapsulated paraffin wax. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 281. ISBN 978-80-970923-3-7.
- AFHA48 ŠPITALSKÝ, Zdenko - CZANIKOVÁ, Klaudia - ILČÍKOVÁ, Markéta - MOSNÁČEK, Jaroslav - JOHEC MOŠKOVÁ, Daniela - AMARAL, F. - GRACA, M. P. - SANTOS, J. Polymer-ceramic nanocomposites for embedded capacitors. In *ISE '14 : 14th International Seminar on Elastomers : Bratislava, Slovakia, August 24th - 28th, 2014 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, 2014, p. 192-193. ISBN 978-80-970923-6-8.
- AFHA49 ŠVAJDLENKOVÁ, Helena - MAJERNÍK, V. - ISKROVÁ, Martina - ŠAUŠA, Ondrej - KRIŠTIK, Jozef - BARTOŠ, Josef. The mutual relationship of spin probe mobility (ESR) with free volume (PALS) in a series of glass-forming systems. In *XXV International EPR Seminar : Časť - Papiernička, April 2013 : book of abstracts.* p. 40. - Bratislava : Ústav fyzikálnej chémie a chemickej fyziky FCHPT STU v Bratislave, 2013. ISBN 978-80-227-3893-4.
- AFHA50 TABAČIAROVÁ, Jana - MIČUŠÍK, Matej - PODHRADSKÁ, Silvia - POTSCHE, P. - PIONTECK, J. - OMASTOVÁ, Mária. Carbon nanotubes/elastomer composites for liquid sensing. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts.* - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 286 - 287. ISBN 978-80-970923-3-7.

- AFHA51 TABAČIAROVÁ, Jana - MIČUŠÍK, Matej - KULIČEK, Jaroslav - POTSCHEKE, P. - PIONTECK, J. - OMASTOVÁ, Mária. Elastomer/carbon nanotubes composites for liquid and gas sensing. In *ISE '14 : 14th International Seminar on Elastomers : Bratislava, Slovakia, August 24th - 28th, 2014 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, 2014, p. 169-171. ISBN 978-80-970923-6-8.
- AFHA52 VALENTIN, Marian - SKARMOUTSOU, A. - OMASTOVÁ, Mária - CHARITIDIS, C.A. - KRUPA, Igor. Nanomechanical properties of extruded poly(lactic) acid foils treated in air and argon plasma atmosphere. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 289 - 290. ISBN 978-80-970923-3-7.
- AFHA53 VANKO, Vladimír - NOVÁK, Igor - PREŤO, Jozef - HRONKOVIČ, Ján. Modification of pur dispersions in the adhesives for 3D bonding in the furniture industry. In *Chemické listy*, 2013, roč. 107, č. S, s. s191 - s193. (0.453 - IF2012). (2013 - Current Contents). ISSN 0009-2770.
- AFHA54 VILČÁKOVÁ, J. - KUTĚJOVÁ, L. - KAZANTSEVA, N. E. - OMASTOVÁ, Mária - SÁHA, P. Electric and thermal properties of multicomponent polymer nanocomposites. In *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. - Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013, p. 226. ISBN 978-80-970923-3-7.
- AFHA55 ZAHORANOVÁ, Anna. New 2-ethyl-2-oxazoline-based hydrogel with potential in biomedical applications. In *Folia Medica Cassoviensia : odborný časopis pre lekárske, farmaceutické a biologické vedy : ISMCK 2013 : 5th International Student Medical Congress : Košice, 26th - 28th June 2013*, 2013, vol. 68, no. 1, p. 23 - 24. ISSN 1337-7817.
- AFHA56 ŽIGO, Ondrej - NOVÁK, Igor - IHNÁT, Vladimír - FLORIÁN, Štepan - CHODÁK, Ivan - VALENTIN, Marian - PRACHÁR, Jozef. Skúmanie adhézných vlastností drevných kompozitov upravených plazmou. In *Zborník zo záverečnej konferencie projektu EU HUSK/1001/2.5.2/0025 : Bratislava, 29.4.2014 : súbor vedeckých štúdií z medzinárodnej konferencie*. - Bratislava : VÚPC,a.s. Bratislava, 2014, s. 61. ISBN 978-80-971589-7-2.

AFHB Abstracts of papers from domestic conferences

- AFHB01 BAŇASOVÁ, Mária - VALACHOVÁ, Katarína - RYCHLÝ, Jozef - JANIGOVÁ, Ivica - CSOMOROVÁ, Katarína - SASINKOVÁ, Vlasta - MENDICHI, Raniero - JURÁNEK, Ivo - ŠOLTĚS, Ladislav. Free-radical-mediated hyaluronan degradation in vitro: effect of N-(2-mercapto-2-methylpropionyl)-L-cysteine. In *Interaktívna konferencia mladých vedcov 2014. Book of abstracts 2014*. - Banská Bystrica : Preveda, 2014, p. no. of abstract 1065. ISBN 978-80-970712-6-4. VEGA 2/0011/11, VEGA 2/0149/12, APVV 0351-10.
- AFHB02 BAŇASOVÁ, Mária - VALACHOVÁ, Katarína - SASINKOVÁ, Vlasta - RYCHLÝ, Jozef - MENDICHI, Raniero - JURÁNEK, Ivo - ŠOLTĚS, Ladislav.

Hyaluronan as an integral component of synovial fluid, its oxidative degradation in vitro, protective effect of bucillamine and characterization of hyaluronan fragments. In *Miniconference of PhD. students : abstract booklet*. - Bratislava : IEPT SAS, 2013, p. non pag. VEGA 2/0011/11, VEGA 2/0149/12, APVV 0351-10.

- AFHB03 BAŇASOVÁ, Mária - VALACHOVÁ, Katarína - RYCHLÝ, Jozef - JURÁNEK, Ivo - ŠOLTÉS, Ladislav. Testovanie bucilamínu a jeho oxidovaného metabolitu na protektívne účinky voči voľnoradikálovej degradácii hyaluronanu in vitro. In *Interaktívna konferencia mladých vedcov 2012 : zborník abstraktov*. - Banská Bystrica : Občianske združenie Preveda, 2012, s. 69. ISBN 978-80-970712-2-6. VEGA 2/0011/11, VEGA 2/0149/12.
- AFHB04 BENKOVÁ, Zuzana - BLEHA, Tomáš - CIFRA, Peter. Comparison of linear and ring DNA chains moderately and strongly confined in nanochannels. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov*. - Bratislava : Ústav polymérov SAV, 2012, s. 39 - 40. ISBN 978-80-970923-0-6.
- AFHB05 BEREK, Dušan - ŠIŠKOVÁ, Alena. Sequenced two-dimensional liquid chromatography. A novel tool for comprehensive molecular characterization of complex polymer systems. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov*. - Bratislava : Ústav polymérov SAV, 2012, s. 31 - 32. ISBN 978-80-970923-0-6.
- AFHB06 CAPEK, Ignác - CAPEK, Peter - HLOUŠKOVÁ, Zuzana. Decoration of iron-oxide nanoparticles by biomolecules. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 223-224*. ISSN 1336-7242.
- AFHB07 CAPEK, Ignác - CAPEK, Peter. Decoration of iron-oxide nanoparticles by biomolecules. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 223*. ISSN 1336-7242.
- AFHB08 CZANIKOVÁ, Klaudia - KRUPA, Igor - KASÁK, Peter - OMASTOVÁ, Mária. Štúdium aktuácie elastomérov plnených mnohostennými a jednostennými uhlíkovými nanotrubičkami. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov*. - Bratislava : Ústav polymérov SAV, 2012, s. 60 - 61. ISBN 978-80-970923-0-6.
- AFHB09 ČAVARGA, Ivan - BILČÍK, Boris - VÝBOH, Pavel - MIŠKOVSKÝ, P. - KOŠTÁL, Ľubor - KASÁK, Peter - ČUNDERLÍKOVÁ, B. - MLKVÝ, P. - MATEAŠIK, A. - CHORVÁT, D. - CHORVÁTOVÁ, A. The use chorioallantoic membrane of quail embryo as an in vivo model for the study of photodynamically active drugs. In *Vth Slovak Biophysical Symposium : Bratislava, 19. - 21. 3. 2012 : program and abstracts*. - Bratislava : Comenius University in Bratislava, 2012, p. 53-54.

- AFHB10 DANKO, Martin - ECKSTEIN ANDICSOVÁ, Anita - HRDLOVIČ, Pavol - RAČKO, Dušan - VÉGH, Daniel - LUKEŠ, Vladimír. Carbonyl substituted bithiophene derivatives - Spectral studies in solution and polymer matrices. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 102. ISSN 1336-7242.
- AFHB11 HRDLOVIČ, Pavol - DANKO, Martin - ECKSTEIN ANDICSOVÁ, Anita - VÉGH, Daniel - LUKEŠ, Vladimír. Spectral properties of some carbonyl modulated bithiophene derivatives in solution and polymer matrices. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 65 - 66. ISBN 978-80-970923-0-6.
- AFHB12 HRDLOVIČ, Pavol. Začiatky fotochemického výskumu na Ústave polymérov SAV. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 23. ISBN 978-80-970923-0-6.
- AFHB13 CHODÁK, Ivan - JOCHEC MOŠKOVÁ, Daniela - HRACHOVÁ, Jana - KOMADEL, Peter. Polymérne nanokompozity na báze vrstevnatých silikátov - úspechy a sklamania. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 10. ISBN 978-80-970923-0-6.
- AFHB14 ILČÍKOVÁ, Markéta - DANKO, Martin - MOSNÁČEK, Jaroslav - ŠPITALSKÝ, Zdenko - DOROSHENKO, Mikhail - KOYNOV, Kaloian. Visualization of fluorescent-labeled carbon-based nanoparticles in a polymer matrix. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 198 - 199. ISSN 1336-7242.
- AFHB15 JANIGOVÁ, Ivica - PORUBSKÁ, Mária - BABIČ, Dragan - JOMOVÁ, Klaudia - CHODÁK, Ivan - ŠLOUF, Miroslav. Modifikácia vlastností kompozitov na báze polyamidu gama žiarením. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 199. ISSN 1336-7242.
- AFHB16 KLEINOVÁ, Angela - KRONEK, Juraj. Využitie FTIR spektroskopie na charakterizáciu rozličných polymérnych systémov. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 67 - 68. ISBN 978-80-970923-0-6.

- AFHB17 KOLLÁR, Jozef - CHMELA, Štefan - HRČKOVÁ, Ľudmila - HRDLOVIČ, Pavol. TIPNO type fluorescent dye-labelled regulators for nitroxide mediated radical polymerization. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov*. - Bratislava : Ústav polymérov SAV, 2012, s. 69 - 70. ISBN 978-80-970923-0-6.
- AFHB18 KÓSA, Csaba - FIEDLEROVÁ, Agnesa - MOSNÁČEK, Jaroslav - CHMELA, Štefan - JANIGOVÁ, Ivica - BORSKÁ, Katarína. Photoreaction of benzophenone in polycaprolactone polymer matrix. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov*. - Bratislava : Ústav polymérov SAV, 2012, s.73. ISBN 978-80-970923-0-6.
- AFHB19 KOSTELANSKÁ, Katarína - SROKOVÁ, Iva - RYCHLÁ, Lýdia. Antioxidačné vlastnosti biopolymérov nabáze karboxymetylcelulózy, hydroxyetylcelulózy a xylánov. In *Interaktívna konferencia mladých vedcov 2012 : zborník abstraktov*. - Banská Bystrica : Občianske združenie Preveda, 2012, s. 71. ISBN 978-80-970712-2-6.
- AFHB20 KRAJČI, Juraj - ŠPITALSKÝ, Zdenko - CHODÁK, Ivan. Sledovanie zmien elektrickej vodivosti počas miešania, jednoosej deformácie ťahom a cyklickej mechanickej deformácie. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov*. - Bratislava : Ústav polymérov SAV, 2012, s. 74. ISBN 978-80-970923-0-6.
- AFHB21 KRATOCHVÍLA, Ján - ŠPITALSKÝ, Zdenko - JOCHEC MOŠKOVÁ, Daniela - TLILI, Radhouan - BOUDENNE, Abderrahim - KRUPA, Igor. Elektrické, tepelné a dynamicko mechanické vlastnosti polymérnych kompozitov na báze LDPE a expandovaného grafitu. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : *Tatranské Matliare* : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 81. ISSN 1336-7242.
- AFHB22 KRONEK, Juraj - LUSTOŇ, Jozef - MIKULEC, Marcel - PETRENČÍKOVÁ, Nadežda - PETROVA, Svetlana - CHRISTOVA, Darinka. Functional polymers based on 2-oxazolines. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov*. - Bratislava : Ústav polymérov SAV, 2012, s. 26 - 27. ISBN 978-80-970923-0-6.
- AFHB23 KRONEK, Juraj - JANKOVIČ, Ľuboš - PETRENČÍKOVÁ, Nadežda - KLEINOVÁ, Angela - MADEJOVÁ, Jana - CHODÁK, Ivan - KOMADEL, Peter. Modifikácia alkylamóniových solí nazvýšenie kompatibility ílov v rôznych polymérnych matriciach. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov*. - Bratislava : Ústav polymérov SAV, 2012, s. 75 - 76. ISBN 978-80-970923-0-6.

- AFHB24 KRONEK, Juraj - LUSTOŇ, Jozef - KLEINOVÁ, Angela - JANIGOVÁ, Ivica - NEDBAL, Jan - VALENTOVÁ, Helena. Využitie polyadičnej reakcie 2-oxazolínov na prípravu polymérov so špecifickými termickými vlastnosťami. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 104- 105. ISSN 1336-7242.
- AFHB25 KRONEKOVÁ, Zuzana - KRONEK, Juraj - HLOUŠKOVÁ, Gabriela - SEMAK, Vladislav - KASÁK, Peter - LACÍK, Igor. Štúdium cytotoxicity polymérnych materiálov pre využitie v biomedicíne. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 105. ISSN 1336-7242.
- AFHB26 LUKÁČ, Ivan - KÓSA, Csaba - HUSÁR, Branislav. Rozklad benzoylperoxidu v aromatických polyméroch. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 77 - 78. ISBN 978-80-970923-0-6.
- AFHB27 MOSNÁČEK, Jaroslav - IVÁN, Béla - PAPAJOVÁ, Eva. POLYFRIEND: Advanced bio-friendly polymers. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 229 - 230. ISSN 1336-7242.
- AFHB28 MOSNÁČKOVÁ, Katarína - CHEHIMI, Mohamed M. - FEDORKO, Pavol - OMASTOVÁ, Mária. Povrchová modifikácia polyamidových textílií vodivým polypyrolom: príprava, vlastnosti a stabilita. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 83 - 84. ISBN 978-80-970923-0-6.
- AFHB29 NEDBAL, J. - ILČÍKOVÁ, Markéta - VALENTOVÁ, H. - ŠPITÁLSKY, Zdenko. Dynamic mechanical and dielectric properties of the EVA copolymers filled with carbon nanotubes. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 85 - 86. ISBN 978-80-970923-0-6.
- AFHB30 NOVÁK, Igor - POPELKA, Anton - CHODÁK, Ivan - ŠPÍRKOVÁ, Milena - KLEINOVÁ, Angela - VANKO, Vladimír. Antibacterial polyethylene prepared by plasma treatment. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 115 - 116. ISSN 1336-7242.
- AFHB31 NOVÁK, Igor - POPELKA, Anton - VANKO, Vladimír - CHODÁK, Ivan - PREŤO, Jozef - ŠIVOVÁ, Mária. Investigation of beech wood modified by radio-frequency plasma. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 208 - 209. ISSN 1336-7242.

- AFHB32 NOVÁK, Igor - POPELKA, Anton - LEHOCKÝ, M. - CHODÁK, Ivan - VANKO, V. Low-temperature plasma used for antibacterial PVC preparation. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 57-58. ISBN 978-80-970923-0-6.
- AFHB33 OMASTOVÁ, Mária - CZANIKOVÁ, Klaudia - KRUPA, Igor. Aktuátory na báze elastomérov a uhlíkových nanotrubičiek. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 11 - 12. ISBN 978-80-970923-0-6.
- AFHB34 PAPAJOVÁ, Eva - CHORVÁT, Dušan Jr. - BUJDOŠ, Marek - LACÍK, Igor. Planárne alginátové hydrogély pripravené aplikáciou aerosolu roztoku gélujúcich kationov. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 56. ISBN 978-80-970923-0-6.
- AFHB35 PETRENČÍKOVÁ, Nadežda - KRONEK, Juraj - KLEINOVÁ, Angela - MIKULEC, Marcel - MITOŠINKOVÁ, Marta - LUSTOŇ, Jozef. Syntéza a vlastnosti kopolymérov obsahujúcich 2-(4-metoxifynyl)-2-oxazolín. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 87 - 89. ISBN 978-80-970923-0-6.
- AFHB36 POPELKA, Anton - NOVÁK, Igor - LEHOCKÝ, M. - CHODÁK, Ivan. Antibakteriálne upravený polyetylén s využitím plazmy. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 90 - 91. ISBN 978-80-970923-0-6.
- AFHB37 PRACHÁR, Jozef - NOVÁK, Igor. Chemické zloženie povrchu polypropylénu po úprave plazmou. In *Transfer inovácií*, 2013, č. 27, s. 46 - 47. ISSN 1337-7094.
- AFHB38 PROSTREDNÝ, Martin - ŠPITALSKÝ, Zdenko. Nanokompozity na báze grafénu s využitím pre olejové senzory. In *15. študentská vedecká konferencia : Bratislava, 13.11. 2013.* - Bratislava : FCHPT STU v Bratislave, 2013, p. 202 - 203. ISBN 978-80-227-4078-4. Názov z obrazovky.
- AFHB39 RAČKO, Dušan. Effect of confinement on molecular mobility and free volume as seen by computer simulations and positron annihilation lifetime spectroscopy. In *Vth Slovak Biophysical Symposium : Bratislava, 19. - 21.3. 2012 : program and abstract.* - Bratislava : Comenius University in Bratislava, 2012, p. 80.
- AFHB40 RYCHLÁ, Lýdia - EBRINGEROVÁ, Anna - CSOMOROVÁ, Katarína - JANIGOVÁ, Ivica - RYCHLÝ, Jozef. Termická a termooxidačná stabilita lignínov a

ich zmesi s celulózu. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 18-19. ISBN 978-80-970923-0-6.

AFHB41 RYCHLÝ, Jozef - RYCHLÁ, Lýdia. Horľavosť a horenie polymérov hodnotené cez spotrebu kyslíka. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 20 - 21. ISBN 978-80-970923-0-6.

AFHB42 RIECKA, Milica - MOSNÁČEK, Jaroslav - DANKO, Martin. Synthesis of degradable polymers via ROP of unsaturated gamma-lactone monomers. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 22. ISBN 978-80-970923-0-6.

AFHB43 STACH, Marek - KRONEKOVÁ, Zuzana - KASÁK, Peter - KOLLÁR, Jozef - PENTRÁK, Martin - MICUŠÍK, Matej - CHORVÁT, Dušan Jr. - NUNNEY, T.S. - LACÍK, Igor. Formation of zwitterionic polymer layers on electroconductive surfaces. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s.94 - 95. ISBN 978-80-970923-0-6.

AFHB44 STACH, Marek - CHOVANCOVÁ, Anna - LACÍK, Igor. Kinetika radikálovej polymerizácie neionizovanej kyseliny akrylovej vo vodnej fáze. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 82. ISSN 1336-7242.

AFHB45 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - BEREK, Dušan. Liquid chromatography under limiting conditions of desorption. Separation of blends containing low-solubility polymers and biodegradable polymers. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 99. ISBN 978-80-970923-0-6.

AFHB46 ŠIŠKOVÁ, Alena - MACOVÁ, Eva - BEREK, Dušan. Sample recovery in liquid chromatography of synthetic polymers under critical conditions of enthalpic interactions. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 97 - 98. ISBN 978-80-970923-0-6.

AFHB47 ŠPITALSKÝ, Zdenko - KRUPA, Igor - NÓGELLOVÁ, Zuzana - AL-MAADEED, Mariam Ali SA. Nové materiály z vysokohustotného polyetylénu a enkapsulovaného parafínového vosku prechádzajúce fázovou premenou zamerané

na efektívne uskladnenie tepla. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 100. ISBN 978-80-970923-0-6.

- AFHB48 TABAČIAROVÁ, Jana - MIČUŠÍK, Matej - FEDORKO, Pavol - OMASTOVÁ, Mária. Meranie elektrickej vodivosti a XPS štúdium starnutia polypyrolu. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 81 - 82. ISSN 1336-7242.
- AFHB49 TABAČIAROVÁ, Jana - MIČUŠÍK, Matej - PIONTECK, Jurgen - OMASTOVÁ, Mária. Príprava kompozitov na báze elastomérskej matrice a uhlíkových nanotrubičiek pre senzorické aplikácie. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 207. ISSN 1336-7242.
- AFHB50 TREĽOVÁ, Dušana - KLEINOVÁ, Angela - MIČUŠÍK, Matej - DVORANOVÁ, D. - CHORVÁT, Dušan Jr. - JÁNÉ, E. - VELIČ, D. - LACÍK, Igor. Physico-chemical analysis of surface properties of sodium alginate-cellulose sulfate-poly(methylene-co-guanidine) polyelectrolyte complex based microcapsules. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 81 - 82. ISBN 978-80-970923-0-6.
- AFHB51 VALENTIN, Marian - SKARMOUTSOU, A. - OMASTOVÁ, Mária - CHARITIDIS, C. A. - KRUPA, Igor. Nanomechanické vlastnosti extrudovanej PLA fólie povrchovo modifikovanej vzdušnou a argónovou plazmou. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel* : 65. Zjazd chemikov : Tatranské Matliare : 9. - 13. 9. 2013, 2013, roč. 9, č. 1, s. 114. ISSN 1336-7242.
- AFHB52 VALENTIN, Marian - KOUMOULOS, Elias P. - DRAGATOGIANNIS, Dimitrios A. - CHARITIDIS, Costas A. - KRUPA, Igor - NOVÁK, Igor. Nanomechanical properties of AIR plasma-treated polylactid acid characterized by nanoindentation. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 13 - 14. ISBN 978-80-970923-0-6.
- AFHB53 ZAHORANOVÁ, Anna - KRONEK, Juraj - KLEINOVÁ, Angela - LUSTOŇ, Jozef - MARTONOVÁ, V. - MIČUŠÍK, Matej. Preparation of oxazoline-based hydrogels and model release of drugs. In *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov.* - Bratislava : Ústav polymérov SAV, 2012, s. 108 - 109. ISBN 978-80-970923-0-6.
- AFHB54 ŽIAČKOVÁ, Katarína - ŠPITALSKÝ, Zdenko. Grafén - polymérne nanokompozity na povrchovú úpravu textilu. In *15. študentská vedecká konferencia*

: Bratislava, 13.11. 2013. - Bratislava : FCHPT STU Bratislava, 2013, p. 204 - 205.
ISBN 978-80-227-4078-4. Názov z obrazovky.

BDF Professional papers in other domestic journals (not registered in CCC)

- BDF01 LACÍK, Igor. Výskum enkapsulovaných ostrovčekov pokračuje. In *Diabetik*, 2015, roč. 14, č. 1-2, s. 28-29. ISSN 1336-0426.
- BDF02 NOVÁK, Igor - ŽIGO, Ondrej - VALENTIN, Marian. Aplikácia polymérov a využitie lepenia pri výrobe automobilov pri súčasnej výrobe automobilov. In *Automobil Industry*, 2015, roč. XI, č. 3, s. 82-84. ISSN 1802-5196.
- BDF03 NOVÁK, Igor - ŽIGO, Ondrej - VALENTIN, Marian - PRACHÁR, Jozef. Aplikácie polymérov a využitie lepenia pri výrobe automobilov pri súčasnej výrobe automobilov. In *Plastics Production*, 2015, roč. X, č. 2, s.66-68. ISSN 1802-1549.
- BDF04 NOVÁK, Igor - ŽIGO, Ondrej - VALENTIN, Marian. Polymérne materiály a ich využitie pri výrobe automobilov. In *Plastics Production*, 2015, roč. X, č. 1, s. 52-54. ISSN 1802-1549.

BDFB Professional papers in other domestic non-impacted journals (not registered in CCC)

- BDFB01 CHODÁK, Ivan. Systém certifikácie kompostovateľných plastov zavedený na Slovensku. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2014, roč. 10, č. 1, s. 41. ISSN 1336-7242.
- BDFB02 MOSNÁČEK, Jaroslav - IVÁN, Béla. Polyméry pre aplikáciu v poľnohospodárstve. Projekt POLYFRIEND - Moderné ekologicky nezávadné polyméry. In *Chem Zi : Slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2013, roč. 9, č. 1, s. 8- 9. ISSN 1336-7242.
- BDFB03 NOVÁK, Igor. Nanotechnológie vo výrobe automobilov. In *Strojárstvo/Strojírenství*, 2012, roč. 16, č. 7-8, s. 6-7. ISSN 1335-2938.
- BDFB04 NOVÁK, Igor. Náter na kovy v exteriéri. In *Urob si sám : inšpirácie pre dom, byt, dielňu a záhradu*, 2012, roč. XV, č.5, s. 21 - 22. ISSN 1335-4604.
- BDFB05 NOVÁK, Igor. Náterové látky na fasády. In *Urob si sám : inšpirácie pre dom, byt, dielňu a záhradu*, 2012, roč. XV, č. 8, s. 30 - 32. ISSN 1335-4604.
- BDFB06 NOVÁK, Igor. Odstraňovanie starých náterov. In *Urob si sám : inšpirácie pre dom, byt, dielňu a záhradu*, 2012, roč. XV, č. 3, s. 23 - 25. ISSN 1335-4604.
- BDFB07 NOVÁK, Igor. Plasty a ich kompozity v automotive. In *Strojárstvo/Strojírenství*, 2012, roč. 16, č. 12, s. 18. ISSN 1335-2938.
- BDFB08 NOVÁK, Igor - ŽIGO, Ondrej. Polyméry a ich kompozity v automotive. In *Strojárstvo/Strojírenství*, 2012, roč. 16, č. 4, s. 54 - 56. ISSN 1335-2938.

- BDFB09 NOVÁK, Igor - ŽIGO, Ondrej - VALENTIN, Marian - PRACHÁR, Jozef.
Polyméry pri výrobe automobilov. In *Strojárstvo/Strojírenství*, 2014, roč. XVIII, č. 11, s. 6-7. ISSN 1335-2938.
- BDFB10 NOVÁK, Igor. Tmelíme a maľujeme steny bytu. In *Urob si sám : inšpirácie pre dom, byt, dielňu a záhradu*, 2012, roč. XV, č. 3, s. 16 - 18. ISSN 1335-4604.
- BDFB11 NOVÁK, Igor - ŽIGO, Ondrej. Využitie polymérnych materiálov pri výrobe automobilov. In *Strojárstvo/Strojírenství*, 2013, roč. 17, č. 12, s. 50 - 51. ISSN 1335-2938.

BEF Professional papers in domestic proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)

- BEF01 NOVÁK, Ivan - BEREK, Dušan - MUNKA, Karol - KARÁCSONYOVÁ, Monika - VARGA, Stanislav. Nanopórové uhlíkové vlákna pripravené karbonizáciou celulózy - príprava, vlastnosti, aplikácie pri úprave vody. In *Zborník odborných prác z konferencie Nové trendy v oblasti úpravy pitnej vody*. - Bratislava : VodaTím s.r.o., 2014, s. 131-132. ISBN 978-80-971272-2-0.

FAI Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)

- FAI01 *POLYMÉRY 2012 - VII. Slovensko - Česká konferencia organizovaná pri príležitosti 50-teho výročia založenia Ústavu polymérov SAV : Smolenice, 26.11. - 30. 11. 2012 : program a zborník príspevkov*. Bratislava : Ústav polymérov SAV, 2012. ISBN 978-80-970923-0-6.
- FAI02 *BYPOS : 5th Bratislava Young Polymer Scientists Workshop : Zázrivá, Slovakia, June 16th - 20th, 2014 : workshop book*. Bratislava : Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2014. ISBN 978-80-970923-5-1.
- FAI03 *ISE '14 : 14th International Seminar on Elastomers : Bratislava, Slovakia, August 24th - 28th, 2014 : book of abstracts*. Bratislava, Slovakia : Polymer Institute of SAS, 2014. ISBN 978-80-970923-6-8.
- FAI04 *EUROFILLERS 2013 : 10th anniversary meeting : Bratislava, Slovakia, August 25 - 29, 2013 : book of abstracts*. Bratislava, Slovakia : Polymer Institute of SAS, Bratislava, 2013. ISBN 978-80-970923-3-7.
- FAI05 *BYPOS 2012 : Bratislava Young Polymer Scientists Workshop : Liptovský Ján, Slovakia, October 1 - 5, 2012 : programme and book of abstracts*. Bratislava : the Young Scientists Council of Polymer Institute of the Slovak Academy of Sciences, 2012. ISBN 978-80-970923-2-0.

GII Other publications and documents which is not possible to categorize into classes/categories mentioned above

- GII01 BORSIG, Eberhard - HUDEC, Ivan - UJHELYIOVÁ, Anna. Stručná história výroby plastov vo svete - príspevok Slovenska. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2013, roč. 9, č. 2, s. 300 - 301. ISSN 1336-7242.

- GII02 DE ROSI, A. - OMASTOVÁ, Mária. Profesor Otto Wichterle z pohľadu Slovenska. In *Chem Zi : Slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2013, roč. 9, č. 1, s. 13. ISSN 1336-7242.
- GII03 FIEDLEROVÁ, Agnesa - BORSIG, Eberhard. Odišiel Otto Vogl. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2013, roč. 9, č. 2, s. 305 - 306. ISSN 1336-7242.
- GII04 HVILSTED, Soren - OMASTOVÁ, Mária. Conduction polymeric materials - EUPOC 2015. In *La Chimica e l'Industria*, 2015, vol. 2, no.7, 3 p. ISSN 2283-5458.
- GII05 CHODÁK, Ivan. Systém certifikácie kompostovateľných plastov zavedený na Slovensku. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel : 61.zjazd chemikov*, 2014, roč. 10, č. 1, s. 41. ISSN 1336-7242.
- GII06 CHODÁK, Ivan. Systém certifikace plastu v SR. In *Plasty a kaučuk*, 2014, roč. LI, č. 5-6, s. 158. ISSN 0322-7340.
- GII07 LACÍK, Igor. Ústav polymérov SAV má 50 rokov. In *Chem Zi : Slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2013, roč. 9, č. 1, s. 25. ISSN 1336-7242.
- GII08 MASTIHUBA, V. - OMASTOVÁ, Mária. Chemické horizonty - jarný cyklus 2013. In *Chem Zi : Slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2013, roč. 9, č. 1, s. 15. ISSN 1336-7242.
- GII09 NOVÁK, Igor. Natierame fasádu. In *Urob si sám : inšpirácie pre dom, byt, dielňu a záhradu*, 2012, roč. XV, č. 8, s. 36 - 37. ISSN 1335-4604.
- GII10 NOVÁK, Igor. Prezentácia vedy na Slovensku v rámci podujatia "Noc výskumníkov 2012". In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2012, roč. 8, č. 2, s.110. ISSN 1336-7242.
- GII11 NOVÁK, Igor - ŽIGO, Ondrej - VALENTIN, Marian. Využitie plastov v automobilovej výrobe. In *CHEMagazín : časopis pro chemicko-technologickou a laboratorní praxi*, 2014, roč. XXIV, č. 6, s. 12-13. ISSN 1210-7409.
- GII12 OMASTOVÁ, Mária. Chémia pre náš život : Stretnutie slovenských a českých chemikov vo Vysokých Tatrách. In *Správy Slovenskej akadémie vied*, 2013, roč. 49, č. 9, s. 10. ISSN 0139-6307.
- GII13 OMASTOVÁ, Mária. International Seminar on Elastomers v Bratislave. In *Plastics Production*, 2014, roč. 9, č.2, s. 1. ISSN 1802-1549.
- GII14 OMASTOVÁ, Mária. Konferencia EUROFILLERS 2013 v Bratislave. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2013, roč. 9, č. 2, s. 281. ISSN 1336-7242.

- GII15 OMASTOVÁ, Mária - RAŠLA, M. Obraz a objekt pre SCHS. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2014, roč. 10, č. 1, s. 18. ISSN 1336-7242.
- GII16 OMASTOVÁ, Mária. Slovenská akadémia vied oslavuje 60. výročie založenia. In *Chem Zi : Slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2013, roč. 9, č. 1, s. 22 - 24. ISSN 1336-7242.
- GII17 OMASTOVÁ, Mária. Šanca pre nové typy materiálov : Konferencia odborníkov z oblasti plniva polymérnych kompozitov. In *Správy Slovenskej akadémie vied*, 2013, roč. 49, č. 9, s. 5. ISSN 0139-6307.
- GII18 OMASTOVÁ, Mária - MASTIHUBA, V. Veda v centre s osobnosťami chémie. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2014, roč. 10, č. 1, s. 26-27. ISSN 1336-7242.
- GII19 OMASTOVÁ, Mária. Zjazd slovenských a českých chemikov. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2013, roč. 9, č. 2, s. 282. ISSN 1336-7242.
- GII20 PODHRADSKÁ, Silvia. Ústav polymérov na Noci výskumníkov. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2013, roč. 9, č. 2, s. 289. ISSN 1336-7242.
- GII21 PODHRADSKÁ, Silvia - ŠIŠKOVÁ, Alena. 5th Young Polymer Scientists workshop alias BYPoS 2014 opäť v akcii. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2014, roč. 10, č. 1, s. 22. ISSN 1336-7242.
- GII22 ŠIŠKOVÁ, Alena - PODHRADSKÁ, Silvia. Workshop mladých vedcov v polymérovej chémii s medzinárodnou účasťou. In *ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2012, roč. 8, č. 2, s. 72. ISSN 1336-7242.