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**Podpora výskumno-vývojových kapacít v oblasti nanochemických a supramolekulárných systémov,**

ITMS2014+ kód projektu 313011T583,

spolufinancovaný zo zdrojov **Európskeho fondu regionálneho rozvoja**.

1. Bali Krisztina, Varga Zsófia, Attila Kardos a Róbert Mészáros. Impact of local inhomogeneities on the complexation between poly(diallyldimethylammoniumchloride) and sodium dodecyl sulfate. DOI 10.1016/j.colsurfa.2019.04.052 Colloids and Surfaces A: Physicochemical and Engineering Aspects : an international journal devoted to the principles and applications of colloid and interface science. Vol. 574 (2019), p. 21-28. ISSN 0927-7757. SCOPUS.  
Podiel prislúchajúci projektu: 16,67%
2. Kardos Attila, Gilányi Tibor a Imre Varga. How small can poly(N-isopropylacrylamide) nanogels be prepared by controlling the size with surfactant?. DOI 10.1016/j.jcis.2019.09.053 Journal of Colloid and Interface Science. Vol. 557 (2019), p. 793-806. ISSN 0021-9797. SCOPUS.  
Podiel prislúchajúci projektu: 16,67%
3. Bali Krisztina, Dúzs Brigitta, Sáfrán György, Pécz Béla a Mészáros Róbert. Effect of Added Surfactant on Poly(Ethylenimine)-Assisted Gold Nanoparticle Formation. DOI: 10.1021/acs.langmuir.9b03055 Langmuir 2019 35 (43), 14007-14016. ISSN 0743-7463.  
Podiel prislúchajúci projektu: 25%
4. Šimuneková, Mária, Peter Schwendt, Róbert Gyepes, Ján Šimunek, Juraj Filo, Marek Bujdoš a Jozef Tatiery. Bimetallic copper–vanadium mandelato complexes with bpy and phen as ancillary ligands. 51 V NMR spectra of vanadates in DMSO. DOI 10.1016/j.poly.2019.04.012 Polyhedron : The International Journal for Research in Inorganic Chemistry. Vol. 167 (2019), p. 62-68. ISSN 0277-5387. WoS, SCOPUS.  
Podiel prislúchajúci projektu: 16,67%
5. Tummino, A., Toscano, J., Sebastiani, F., Noskov, B. A., Varga, I., & Campbell, R. A. (2018). Effects of aggregate charge and subphase ionic strength on the properties of spread polyelectrolyte/surfactant films at the air/water interface under static and dynamic conditions. Langmuir, 34(6), 2312-2323.  
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6. Bali, Krisztina, Zsófia Varga, Attila Kardos, Imre Varga, Tibor Gilányi, Attila Domján, András Wacha, Attila Bóta, Judith Mihály a Róbert Mészáros. Effect of Dilution on the Nonequilibrium Polyelectrolyte/Surfactant Association. DOI 10.1021/acs.langmuir.8b03255 Langmuir : the ACS journal of surfaces and colloids. Roč. 34, č. 48 (2018), s. 14652-14660. ISSN 0743-7463. WoS, SCOPUS.  
Podiel prislúchajúci projektu: 16,67%
7. Antoniuk, Iurii, Daria Kaczmarek, Attila Kardos, Imre Varga a Catherine Amiel. Supramolecular Hydrogel Based on pNIPAm Microgels Connected via Host-Guest Interactions. Polymers [print]. Roč. 10, č. 6 (2018), s. 566-583. ISSN 2073-4360. WoS, SCOPUS.  
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8. Campbell, Richard A., Andrea Tummino, Olga Yu Milyaeva, Michael M. Krycki, Shi You Lin, Valerie Laux, Michael Haertlein, V. Trevor Forsyth, Boris A. Noskov a Imre Varga. Adsorption of Denaturated Lysozyme at the Air-Water Interface: Structure and Morphology. DOI 10.1021/acs.langmuir.8b00545 Langmuir : the ACS journal of surfaces and colloids. Roč. 34, č. 17 (2018), s. 5020-5029 [print]. ISSN 0743-7463. WoS, SCOPUS.  
Podiel prislúchajúci projektu: 12,50%
9. Schwendt, Peter, Jana Chrappová, Ivan Němec, Přemysl Vaněk a Róbert Gyepes. Order-disorder phase transition in the peroxidovanadium complex NH<sub>4</sub> [VO(O)(2)(NH<sub>3</sub>)]. Spectrochimica Acta : Part A:



Molecular and Biomolecular Spectroscopy. č. 200 (2018), s. 110-115 [print]. ISSN 1386-1425. WoS, SCOPUS.

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10. Pinkas, Jiří, Karel Mach, Jiří Kubišta, Michal Horáček, Katarína Szarka a Róbert Gyepes. Insertion of 1-t-butylpropyne into singly tucked-in permethyltitanocene. Synthesis, crystal structure of product and transition-state geometry. DOI 10.1016/j.molstruc.2018.04.071 Journal of Molecular Structure. č. 1167 (2018), 180-186 [print]. ISSN 0022-2860. WoS, SCOPUS.  
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11. Kardos, Attila, Varga, Imre: Preparation of Core/Shell Soft, Responsive Nanogel Particles. 18<sup>th</sup> International Symposium and Summer School on Bioanalysis. June 25-30, Komárno, Slovak Republic. Program and Abstract Book, ISBN: 978-80-8122-241-2.  
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12. Bali, Krisztina, Mészáros, Róbert: Preparation and surface modification of polyethyleneimine-capped gold nanoparticles. 18<sup>th</sup> International Symposium and Summer School on Bioanalysis. June 25-30, Komárno, Slovak Republic. Program and Abstract Book, ISBN: 978-80-8122-241-2.  
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13. Mészáros, Róbert: Nanotechnology Research in Komárno: Introduction to the Activities of the Supramolecular and Nanochemistry Laboratory of J. Selye University. 18<sup>th</sup> International Symposium and Summer School on Bioanalysis. June 25-30, Komárno, Slovak Republic. Program and Abstract Book, ISBN: 978-80-8122-241-2.  
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14. Bali, Krisztina, György Sáfrán, Béla Pécz a Róbert Mészáros. Preparation of Gold Nanocomposites with Tunable Charge and Hydrophobicity via the Application of Polymer/Surfactant Complexation. DOI 10.1021/acsomega.7b01623 ACS Omega. Vol. 2, no. 12 (2017), p. 8709-8716. ISSN 2470-1343. WoS.  
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15. Kaczmarek, D., Diget, J. S., Nyström, B., Gyulai, G., Mészáros, R., Gilányi, T., & Varga, I. (2017). Response of block copolyelectrolyte complexes to addition of ionic surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 532, 290-296.  
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16. Varga Imre, Campbell Richard A. General Physical Description of the Behavior of Oppositely Charged Polyelectrolyte/Surfactant Mixture at the Air/Water Interface, 2017. DOI 10.1021/acs.langmuir.7b01288. In: Langmuir. - ISSN 0743-7463, Vol. 33, no. 23 (2017), p. 5915-5924. WoS, SCOPUS. IF (2016): 3,492. SNIP (2016): 1,188.  
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17. Pinkas, J., Gyepes, R., Císařová, I., Kubišta, J., Horáček, M., & Mach, K. (2017). Decamethyltitanocene hydride intermediates in the hydrogenation of the corresponding titanocene-( $\eta$  2-ethene) or ( $\eta$  2-alkyne) complexes and the effects of bulkier auxiliary ligands. Dalton Transactions, 46(25), 8229-8244.  
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18. Litecká, Miroslava, Róbert Gyepes, Zuzana Vargová, Mária Vilková, Miroslav Almáši, Martin Walko a Ján Imrich. Toxic metal complexes of macrocyclic cyclen molecule - synthesis, structure and complexing properties. DOI 10.1080/00958972.2017.1305493 Journal of Coordination Chemistry. Vol. 70, no. 10 (2017), p. 1698-1712. ISSN 0095-8972. WoS, SCOPUS. IF (2016): 1,795. SNIP (2015): 0,608.  
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19. Bodnár, Katalin, Katarína Szarka, Miklós Nagy a Róbert Mészáros. Effect of the Charge Regulation Behavior of Polyelectrolytes on Their Nonequilibrium Complexation with Oppositely Charged Surfactants.



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DOI 10.1021/acs.jpcc.6b09397 Journal of Physical Chemistry B. Vol. 120, no. 49 (2016), p. 12720-12729.  
ISSN 1520-6106. WoS. IF (2015): 3,187.  
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