

Current Contents Publications

BURDUKOV, A. B. - ŠÍPOŠ, Rastislav - VERSHININ, M. A. - PERVUKHINA, N. V. - KURATIEVA, N. V. - PLYUSNIN, P. E. - ELTSOV, I. V. - VOLOSHIN, Ya. Z. Two alternative approaches to modification of a cage complex: nucleophilic substitution and electrophilic addition for the synthesis of an iron(II) clathrochelate with an annulated imidazole fragment. In *Journal of Coordination Chemistry*. Vol. 68, iss. 21 (2015), s. 3894-3902. ISSN 0095-8972. V databáze: CC: 000362682300010 ; DOI: 10.1080/00958972.2015.1081897.

ČECHOVÁ, Danica - SVOBODA, Ingrid - JOMOVÁ, Klaudia - RŮŽIČKOVÁ, Zdeňka - VALKO, Marián - MONCOL', Ján. Synthesis, crystal structures and properties of coordination polymers from copper(II) adipate. In *Transition Metal Chemistry*. Vol. 40, iss. 8 (2015), s. 857-868. ISSN 0340-4285. V databáze: CC: 000362899400010 ; DOI: 10.1007/s11243-015-9982-6.

ČÍK, Gabriel - ŠERŠEŇ, František - DLHÁŇ, Ľubor - ZÁLUPSKÝ, Peter - RAPTA, Peter - HRNČARIKOVÁ, Katarína - PLECENIK, Tomáš. Ferromagnetism in poly(N-perfluorophenylpyrrole). In *Journal of Magnetism and Magnetic Materials*. Vol. 391, (2015), s. 116-121. ISSN 0304-8853. V databáze: CC: 000355260900018 ; DOI: 10.1016/j.jmmm.2015.04.110.

DEVID, Edwin J. - MARTINHO, Paulo N. - KAMALAKAR, M. Venkata - ŠALITROŠ, Ivan - PRENDERGAST, Una - DAYEN, Jean-Francois - MEDED, Velimir - LEMMA, Tibebe - GONZALEZ-PRIETO, Rodrigo - EVERS, Ferdinand - KEYES, Tia E. - RUBEN, Mario - DOUDIN, Bernard - VAN DER MOLEN, Sense Jan. Spin Transition in Arrays of Gold Nanoparticles and Spin Crossover Molecules. In *ACS Nano*. Vol. 9, iss. 4 (2015), s. 4496-4507. ISSN 1936-0851. V databáze: CC: 000353867000119 ; DOI: 10.1021/acsnano.5b01103.

HAZRA, Susanta - KARMAKAR, Anirban - GUEDES DA SILVA, Mária de Fátima C. - DLHÁŇ, Ľubor - BOČA, Roman - POMBEIRO, Armando J.L. Sulfonated Schiff base dinuclear and polymeric copper(II) complexes: crystal structures, magnetic properties and catalytic application in Henry reaction. In *New Journal of Chemistry*. Vol. 39, iss. 5 (2015), s. 3424-3434. ISSN 1144-0546. V databáze: CC: 000354199900034 ; DOI: 10.1039/c5nj00330j.

HOMZOVÁ, Katarína - GYÖRYOVÁ, Katarína - KOMAN, Marián - MELNÍK, Milan - JUHASZOVÁ, Žofia. Synthesis, crystal structure, and spectroscopic and thermal properties of the polymeric compound catena-poly[[bis(2,4-dichlorobenzoato)zinc(II)]-mu-lisonicotinamide]. In *Acta Crystallographica. Section C. Crystal structure communications*. Vol. 71, (2015), s. 814-819. ISSN 0108-2701. V databáze: CC: 000360626100011 ; DOI: 10.1107/S2053229615014862.

CHLUPATÝ, Tomáš - BÍLEK, Michal - MONCOL', Ján - RŮŽIČKOVÁ, Zdeňka - RŮŽIČKA, Aleš. Addition of dimethylaluminium chloride to N,N'-Disubstituted carbodiimides. In *Journal of Organometallic Chemistry*. Vol. 786, (2015), s. 48-54. ISSN 0022-328X. V databáze: CC: 000354562200007 ; DOI: 10.1016/j.jorganchem.2015.03.018.

JABLONSKÝ, Michal - KOČIŠ, Jakub - HÁZ, Aleš - ŠIMA, Jozef. Characterization and comparison by UV spectroscopy of precipitated lignins and commercial lignosulfonates. In *Cellulose Chemistry And Technology [elektronický zdroj]*. Vol. 49, iss. 3-4 (2015), s. 267-274. ISSN 0576-9787. V databáze: CC: 000355159600003 ; DOI:

JABLONSKÝ, Michal - DUBINYOVÁ, Lenka - VARGA, Štefan - VIZÁROVÁ, Katarína - ŠIMA, Jozef - KATUŠČÁK, Svetozár. Cellulose Fibre Identification through Color Vectors of Stained Fibre. In *BioResources*. Vol. 10, iss. 3 (2015), s. 5845-5862. ISSN 1930-2126. V databáze: CC: 000364199800155.

JABLONSKÝ, Michal - ŠKULCOVÁ, Andrea - KAMENSKÁ, Lucia - VRŠKA, Milan - ŠIMA, Jozef. Deep Eutectic Solvents: Fractionation of Wheat Straw. In *BioResources*. Vol. 10, iss. 4 (2015), s. 8039-8047. ISSN 1930-2126. V databáze: CC: 000366990800137.

KRÜGER, Christoph - AUGUSTÍN, Peter - DLHÁŇ, Ľubor - PAVLÍK, Ján - MONCOL', Ján - NEMEC, Ivan - BOČA, Roman - RENZ, Franz. Iron(III) complexes with pentadentate Schiff-base ligands: Influence of crystal packing change and pseudohalido coligand variations on spin crossover. In

Polyhedron. Vol. 87, (2015), s. 194-201. ISSN 0277-5387. V databáze: CC: 000353316800024 ; DOI: 10.1016/j.poly.2014.11.014.

KUCKOVÁ, Lenka - JOMOVÁ, Klaudia - ŠVORCOVÁ, Andrea - VALKO, Marián - SEGLA, Peter - MONCOL, Ján - KOŽÍŠEK, Jozef. Synthesis, Crystal Structure, Spectroscopic Properties and Potential Biological Activities of Salicylate-Neocuproine Ternary Copper(II) Complexes. In *Molecules*. Vol. 20, iss. 2 (2015), s. 2115-2137. ISSN 1420-3049. V databáze: CC: 000350748200020 ; DOI: 10.3390/molecules20022115.

KUMAR, Kuppusamy Senthil - ŠALITROŠ, Ivan - HEINRICH, Benoit - FUHR, Olaf - RUBEN, Mario. A charge neutral iron(II) complex with an above room temperature spin crossover (SCO) and hysteresis loop. In *Journal of Materials Chemistry C*. Vol. 3, iss. 44 (2015), s. 11635-11644. ISSN 2050-7534. V databáze: CC: 000364826000010 ; DOI: 10.1039/c5tc02079d.

MASÁROVÁ, Petra - ZOUFALÝ, Pavel - MONCOL, Ján - NEMEC, Ivan - PAVLÍK, Ján - GEMBICKÝ, Milan - TRÁVNÍČEK, Zdeněk - BOČA, Roman - ŠALITROŠ, Ivan. Spin crossover and high spin electroneutral mononuclear iron(III) Schiff base complexes involving terminal pseudohalido ligands. In *New Journal of Chemistry*. Vol. 39, iss. 1 (2015), s. 508-519. ISSN 1144-0546. V databáze: CC: 000348331900062 ; DOI: 10.1039/c4nj01363h.

MATELKOVÁ, Kristína - BOČA, Roman - DLHÁŇ, Ľubor - HERCHEL, Radovan - MONCOL, Ján - SVOBODA, Ingrid - MAŠLEJOVÁ, Anna. Dinuclear and polymeric (μ -formato)nickel(II) complexes: Synthesis, structure, spectral and magnetic properties. In *Polyhedron*. Vol. 95, (2015), s. 45-53. ISSN 0277-5387. V databáze: CC: 000357147300006.

MIHALČIAK, Jakub - BERTO VÁ, Petra [Polakovičová] - RŮŽIČKOVÁ, Zdeňka - MONCOL, Ján - SEGLA, Peter - BOČA, Roman. Structure and magnetism of novel dinuclear cobalt(II) complexes. In *Inorganic Chemistry Communications*. Vol. 56, (2015), s. 62-64. ISSN 1387-7003. V databáze: CC: 000355045400013 ; DOI: 10.1016/j.inoche.2015.03.038.

MIKLOVIČ, Jozef - PACKOVÁ, Alena - SEGLA, Peter - TITIŠ, Ján - KOMAN, Marián - MONCOL, Ján - BOČA, Roman - JORÍK, Vladimír - KREKUSKA, Hajnalka - VALIGURA, Dušan. Synthesis, crystal structures, spectral and magnetic properties of nickel(II) pyridinecarboxylates with N-heterocyclic ligands. In *Inorganica Chimica Acta*. Vol. 429, (2015), s. 73-80. ISSN 0020-1693. V databáze: CC: 000350996800011 ; DOI: 10.1016/j.ica.2015.01.046.

PUCHOŇOVÁ, Miroslava - REPICKÁ, Zuzana - MONCOL, Ján - RŮŽIČKOVÁ, Zdeňka - MAZÚR, Milan - VALIGURA, Dušan. Supramolecular structure formation of molecular copper(II)methylsalicylate complexes with nicotinamide or methylnicotinamide Crystal structure and spectral properties. In *Journal of Molecular Structure*. Vol. 1092, (2015), s. 1-8. ISSN 0022-2860. V databáze: CC: 000353611100001 ; DOI: 10.1016/j.molstruc.2015.02.086.

PUCHOŇOVÁ, Miroslava - MATELKOVÁ, Kristína - MONCOL, Ján - JORÍK, Vladimír - KOMAN, Marián - MAZÚR, Milan - JOZEFÍKOVÁ, Flóra - VALIGURA, Dušan. Unusual and "Classic" Anion Bonding Mode in Bis(2-aminomethylpyridine)copper(II) Salicylates. In *Polyhedron*. Vol. 98, (2015), s. 71-74. ISSN 0277-5387. V databáze: CC: 000362143900011 ; DOI: 10.1016/j.poly.2015.06.003.

SOLIMAN, Ahmed Mohammed - KHATTAB, Mohamed M. - ABDELHADY, Hosam H. - ŠALITROŠ, Ivan - LINERT, Wolfgang. Synthesis, spectroscopic, thermal and magnetic characterization of novel spin-crossover iron(II) complexes with 4-cyclopropyl-1,2,4-triazole. In *Inorganica Chimica Acta*. Vol. 418, (2014), s. 99-105. ISSN 0020-1693. V databáze: CC: 000338354500013 ; DOI: 10.1016/j.ica.2014.04.017.

ŠURINA, Igor - JABLONSKÝ, Michal - HÁZ, Aleš - SLÁDKOVÁ, Alexandra - BRIŠKÁROVÁ, Anna - KAČÍK, František - ŠIMA, Jozef. Characterization of Non-wood Lignin Precipitated with Sulphuric Acid of Various Concentrations. In *BioResources*. Vol. 10, iss. 1 (2015), s. 1408-1423. ISSN 1930-2126. V databáze: CC: 000351941000113 ; DOI:

UHRECKÝ, Róbert - SVOBODA, Ingrid - RŮŽIČKOVÁ, Zdeňka - KOMAN, Marián - DLHÁŇ, Ľubor - PAVLÍK, Ján - MONCOL, Ján - BOČA, Roman. Synthesis, structure and magnetism of manganese

and iron dipicolinates with N,N'-donor ligands. In *Inorganica Chimica Acta*. Vol. 425, (2015), s. 134-144. ISSN 0020-1693. V databáze: CC: 000345755700019 ; DOI: 10.1016/j.ica.2014.10.006.

VELEBNÁ, Klaudia - HORŇÁČEK, Michal - JORÍK, Vladimír - HUDEC, Pavol - ČAPLOVIČOVÁ, Mária - ČAPLOVIČ, Ľubomír. The influence of molybdenum loading on activity of ZSM-5 zeolite in dehydroaromatization of methane. In *Microporous and Mesoporous Materials*. Vol. 212, 1 august 2015 (2015), s. 146-155. ISSN 1387-1811. V databáze: SCOPUS ; WOS ; CC.

VEVERKA, Miroslav - DUBAJ, Tibor - GALLOVIČ, Ján - JORÍK, Vladimír - VEVERKOVÁ, Eva - DANIHELOVÁ, Martina - ŠIMON, Peter. Cocrystals of quercetin: synthesis, characterization, and screening of biological activity. In *Monatshefte für Chemie - Chemical Monthly [elektronický zdroj]*. Vol. 146, iss. 1 (2015), s. 99-109. ISSN 1434-4475. V databáze: CC: 000347161300010 ; DOI: 10.1007/s00706-014-1314-6.

FÁBEROVÁ, Zuzana - LACKOVÁ, Darina - BRIENIK, Michal - ONDREJKOVIČOVÁ, Iveta - ZÁBORSKÝ, Ondrej - DOHÁŇOŠOVÁ, Jana - KOMAN, Marián. Syntheses, structures and properties of isonicotinamidium, thionicotinamidium, 2-and 3-(hydroxymethyl)pyridinium nitrates. In *Chemical Papers*. Vol. 69, iss. 8 (2015), s. 1093-1100. ISSN 0366-6352. V databáze: CC: 000354752200010 ; DOI: 10.1515/chempap-2015-0105.

Books

SÚKENÍK, Miroslav - ŠIMA, Jozef. *Nondecelerative Universe*. Saarbrücken Scholar's Press 2015. 70 s. ISBN 978-3-639-76650-9.

ŠIMA, Jozef. *Applied Photochemistry of Iron Compounds*. Saarbrücken Scholar's Press 2015. 112 s. ISBN 978-3-639-76961-6.

KOMAN, Marián - UHRECKÝ, Róbert - MONCOL', Ján - DERCO, Ján - ŠIMOVIČOVÁ, Katarína. Structural study of new Mn(III) and Fe(III) dipicolinate complexes for enhancement of ozonation treatment process. In *Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry. The 50th Anniversary of ICCBIC [elektronický zdroj]*. 1. vyd. Bratislava : Slovak Chemical Society, 2015, USB kľúč, s. 67-88. ISBN 978-80-89597-25-3.

SEGLA, Peter - JORÍK, Vladimír - ŠVOREC, Jozef - TATARKO, Miroslav. *Anorganická chémia : Vodík a prvky 16. až 18. skupiny*. 1. vyd. Bratislava : Slovenská chemická knižnica FChPT STU v Bratislave, 2015. 332 s. ISBN 978-80-89597-30-7.

LUKAČOVIČOVÁ, Zuzana - ONDREJKOVIČOVÁ, Iveta - KOMAN, Marián - MONCOL', Ján. Tetrachloridoiron(III) and thiocyanatoiron(II) complexes with pyridine derivatives – syntheses, infrared spectra and structures. In *Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry. The 50th Anniversary of ICCBIC [elektronický zdroj]*. 1. vyd. Bratislava : Slovak Chemical Society, 2015, USB-kľúč, s. 109-117. ISBN 978-80-89597-25-3.

Published Conference Contributions

HRINDOVÁ, Dominika - PUCHOŇOVÁ, Miroslava. Metyl- a metoxysalicylátomednaté komplexy s izonikotinamidom. In *Študentská vedecká konferencia PriF UK 2015 : zborník recenzovaných príspevkov, 22. apríl 2015, Bratislava*. 1. vyd. Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta, 2015, S. 973-978. ISBN 978-80-223-3859-2.

LOKAJ, Ján - MONCOL', Ján - BELLA, Maroš - MILATA, Viktor. Kryštalová štruktúra (2,1,3-Benzoselediazol-4-yl)aminometylénmalónanu etylového. In *ChemZi : Zborník abstraktov 67. zjazd chemikov, 7. - 11.september 2015, Vysoké Tatry, Horný Smokovec*. Roč. 11, č. 1 (2015), s. 130. ISSN 1336-7242.

MASÁROVÁ, Petra - ŠALITROŠ, Ivan - MONCOL', Ján - GEMBICKÝ, Milan - NEMEC, Ivan. Synthesis, structural and magnetochemical study of the iron(III) Schiff base complexes. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice*. 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 83. ISBN 978-80-89597-25-3.

MATELKOVÁ, Kristína - KUCKOVÁ, Lenka - MAŠLEJOVÁ, Anna - MONCOL', Ján - JORÍK, Vladimír - KOŽÍŠEK, Jozef. Copper carboxylate complexes – synthesis and structural characterization. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice*. 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 84. ISBN 978-80-89597-25-3.

MAZÚR, Milan - HUSÁRIKOVÁ, Lucia - VALIGURA, Dušan - VALKO, Marián. EPR spectroscopy of copper(II) complexes with N-donor ligands and 3,5-dichlorosalicylic. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice*. 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 85. ISBN 978-80-89597-25-3.

PUCHOŇOVÁ, Miroslava - REPICKÁ, Zuzana - MONCOL', Ján - VALIGURA, Dušan. An unusually wide spectrum of 3-methylsalicylatocopper(II) complexes with ronicol. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice*. 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 130. ISBN 978-80-89597-25-3.

PUCHOŇOVÁ, Miroslava - ŠVOREC, Jozef - ŠVORC, Ľubomír - VALIGURA, Dušan. SOD mimetic activity of some salicylatocopper complexes. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice*. 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 108. ISBN 978-80-89597-25-3.

ŠALITROŠ, Ivan - RUBEN, Mario - FUHR, Olaf - BOČA, Roman. Photoactive mononuclear and polynuclear iron(II) spin crossover compounds. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice*. 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 114. ISBN 978-80-89597-25-3.

ŠÍPOŠ, Rastislav - BURDUKOV, A. B. - VERSHININ, M. A. - PERVUKHINA, N. V. - ELTSOV, I. V. - SELEKTOR, S. - SHOKUROV, A. Nucleophilic, electrophilic reactivity, some spectral and electrochemical properties of iron(II) clathrochelates. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice*. 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 119. ISBN 978-80-89597-25-3.

ČECHOVÁ, Danica - MONCOL', Ján - VALKO, Marián. Crystal structure and EPR spectra of new manganese(II) halogenobenzoate complexes with neocuproine. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice*. 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 37. ISBN 978-80-89597-25-3.

HALAŠKA, Jozef - MONCOL', Ján. New copper(II) chloro- and dichlorobenzoate complexes with isonicotinamide. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice*. 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 56. ISBN 978-80-89597-25-3.

KUCHTANÍN, Vladimír - MONCOL', Ján - BOČA, Roman - SEGLA, Peter. Nickel(II) Schiff base complexes: Synthesis, characterization and catalytic activity in Kumada cross-coupling reactions. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts :*

Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice. 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 75. ISBN 978-80-89597-25-3.

MIHALČIAK, Jakub - KUCHTANÍN, Vladimír - BERTO VÁ, Petra [Polakovičová] - MONCOL', Ján - SEGLA, Peter. Synthesis, spectral properties and crystal structures of cobalt(II) dipicolinates with melamin. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice.* 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 87. ISBN 978-80-89597-25-3.

AUGUSTÍN, Peter - BOČA, Roman - NEMEC, Ivan. Synthesis and properties of novel iron(III) Schiff-base compounds. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice.* 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 23. ISBN 978-80-89597-25-3.

MONCOL', Ján - KOMAN, Marián - HALAŠKA, Jozef - KOZLEVČAR, Bojan. Supramolecular structure and isomerism of new copper(II) halogenobenzoate complexes with nicotinamide. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice.* 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 93. ISBN 978-80-89597-25-3.

ONDREJOVIČ, Gregor - MONCOL', Ján. Structures of Cu₄OCl₆L₄ complexes studied by vector analysis. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice.* 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 101. ISBN 978-80-89597-25-3.

SEGLA, Peter - BERTO VÁ, Petra [Polakovičová] - KUCHTANÍN, Vladimír - MIHALČIAK, Jakub. Different structural types of copper(II) and cobalt(II) furan- and thiophencarboxylates: X-ray structural, spectral and magnetic analysis. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice.* 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 117. ISBN 978-80-89597-25-3.

ŠALITROŠ, Ivan - RUBEN, Mario - FUHR, Olaf - BOČA, Roman. Photoactive mononuclear and polynuclear iron(II) spin crossover compounds. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice.* 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 114. ISBN 978-80-89597-25-3.

ŠVOREC, Jozef - MAZÚR, Milan - VALKO, Marián. EPR spectroscopy of Cu(II) complexes. What we have learned. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice.* 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 124. ISBN 978-80-89597-25-3.

BERTO VÁ, Petra [Polakovičová] - KUCHTANÍN, Vladimír - MONCOL', Ján - ŠVOREC, Jozef - SEGLA, Peter. Copper(II) carboxylate complexes with ethylnicotinate: Synthesis, spectral properties and crystal structures. In *XXV. International Conference on Coordination and Bioinorganic Chemistry, Book of Abstracts : Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry, 50th Anniversary of ICCBIC, May 31 - June 5, 2015, Smolenice.* 1. vyd. Bratislava : Slovak Chemical Society, 2015, S. 29. ISBN 978-80-89597-25-3.

DLHÁŇ, Ľubor - BOČA, Roman. Application of the multivariety statistical methods in analysing the spin crossover behaviour. In *Development of Materials Science in Research and Education : Book of Abstracts of the 25th Joint Seminar : 31 August - 4 September, 2015, Kežmarské Žľaby.* 1st ed. Bratislava : Slovak Society for Industrial Chemistry, 2015, S. 16. ISBN 978-80-89597-28-4.

JORÍK, Vladimír. The crystal structure - what information actually provides? In *Development of Materials Science in Research and Education : Book of Abstracts of the 25th Joint Seminar : 31 August - 4 September, 2015, Kežmarské Žľaby*. 1st ed. Bratislava : Slovak Society for Industrial Chemistry, 2015, S. 22. ISBN 978-80-89597-28-4.

KOMAN, Marián - ONDREJOVIČ, Gregor. The vector analysis of complexes type $Cu_4OX_6L_4$. In *Development of Materials Science in Research and Education : Book of Abstracts of the 25th Joint Seminar : 31 August - 4 September, 2015, Kežmarské Žľaby*. 1st ed. Bratislava : Slovak Society for Industrial Chemistry, 2015, S. 25. ISBN 978-80-89597-28-4.

MASÁROVÁ, Petra - PAPÁNKOVÁ, Blažena. Synthesis, structural and magnetic properties of mono- and trinuclear Co(II) complexes. In *Development of Materials Science in Research and Education : Book of Abstracts of the 25th Joint Seminar : 31 August - 4 September, 2015, Kežmarské Žľaby*. 1st ed. Bratislava : Slovak Society for Industrial Chemistry, 2015, S. 38. ISBN 978-80-89597-28-4.

MONCOL, Ján. A self-assembly of copper(II) carboxylate through H-bonds into supramolecular structure and supramolecular networks. In *Materials Structure : Struktura 2015, Kolokvium Krystalografické spoločnosti, Luhačovice, 22.-25.6.2015*. Vol. 22, No. 3 (2015), s. 181. ISSN 1211-5894.

MONCOL, Ján - HALAŠKA, Jozef. New copper(II) halogenobenzoate complexes with nicotinamide: isomerism and supramolecular structure. In *Acta crystallographica Section A : Abstracts of the 29th European Crystallography Meeting Rovinj, Croatia, 23-28 August 2015*. Vol. A71, Suppl. iss. (2015), s. 428. ISSN 2053-2733.

Other Publications

ŠIMA, Jozef. Catalysis of Chemical Processes – Particular Teaching Aspects. In *African Journal of Chemical Education*. Vol. 5, iss. 2 (2015), s. 2-15. ISSN 2227-5835.

KALIŇÁKOVÁ, Barbora - HUDECOVÁ, Daniela - SEGLA, Peter - PALICOVÁ, Martina - ŠVOREC, Jozef. Effects of $[Cu(2-MeSNic)_2(MeNia)_2(H_2O)_2] \cdot H_2O$ and $[Cu(2-MeSNic)_2(H_2O)]_2$ on *Candida albicans*. In *Acta Chimica Slovaca*. Vol. 8, no. 1 (2015), s. 39-43. ISSN 1337-978X. V databáze: DOI: 10.1515/acs-2015-0008.

LUKAČOVIČOVÁ, Zuzana - UHRECKÝ, Róbert - MONCOL, Ján - LACKOVÁ, Darina - ONDREJKOVIČOVÁ, Iveta - KOMAN, Marián - MIČICOVÁ, Zuzana - HARMATOVÁ, Zuzana. Synthesis, structure, thermal decomposition and spectral properties of neutral $[Fe(bpta)_2(etOH)_2(NCS)_2]$. In *Acta Chimica Slovaca*. Vol. 8, no. 1 (2015), s. 78-85. ISSN 1337-978X. V databáze: DOI: 10.1515/acs-2015-0014.

ŠIMA, Jozef. (Non)luminescent Properties of Iron Compounds. In *Acta Chimica Slovaca*. Vol. 8, no. 2 (2015), s. 126-132. ISSN 1337-978X. V databáze: DOI: 10.1515/acs-2015-0022.

AUGUSTÍN, Peter. Magnetizmus a človek. In *Chémia - neoddeliteľná súčasť prírodných vied*. 1. vyd. Bratislava : Slovenská chemická knižnica FChPT STU v Bratislave, 2015, S. 92-113. ISBN 978-80-89597-27-7.

IZAKOVIČ, Mário. Oscilačné chemické reakcie. In *Chémia - neoddeliteľná súčasť prírodných vied*. 1. vyd. Bratislava : Slovenská chemická knižnica FChPT STU v Bratislave, 2015, S. 71-91. ISBN 978-80-89597-27-7.

ONDREJKOVIČOVÁ, Iveta. Olovo a jeho zlúčeniny. In *Chémia - neoddeliteľná súčasť prírodných vied*. 1. vyd. Bratislava : Slovenská chemická knižnica FChPT STU v Bratislave, 2015, S. 56-70, [1,05] AH. ISBN 978-80-89597-27-7.

ONDREJKOVIČOVÁ, Iveta. Jedinečné vlastnosti prírody. In *Dnešná škola - človek a príroda*. Roč. 2, č. 5 (2015), s. 7-10. ISSN 1339-7761.

KOŽÍŠEK, Zdeněk - NITSCH, K. - KOMAN, Marián - BEHÚLOVÁ, Mária. A special issue on development of materials science in research and education. In *Advanced Science, Engineering and Medicine*. Vol. 7, No. 4 (2015), s. 251-252. ISSN 2164-6627(P).

HUDEC, Pavol (ed.) - JORÍK, Vladimír (ed.) - HORŇÁČEK, Michal (ed.) - JESENÁK, Karol (ed.). *Prírodné a syntetické zeolity na Slovensku, 6. odborný seminár, Bratislava, 23.6.2015 : zborník príspevkov* [elektronický zdroj]. 1. vyd. Bratislava : FCHPT STU v Bratislave, 2015. CD-ROM, 112 s. ISBN 978-80-89597-26-0.

MELNÍK, Milan (ed.) - SEGLA, Peter (ed.) - TATARKO, Miroslav (ed.). *Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry. The 50th Anniversary of ICCBIC* [elektronický zdroj]. 1. vyd. Bratislava Slovak Chemical Society 2015. 199 s. ISBN 978-80-89597-25-3.