

Current Contents Publications

BORTŇÁK, Dušan - ŠORAL, Michal - BREZA, Martin - VLČKOVÁ, Silvia - VÉGH, Daniel - MILATA, Viktor. Study of reactions of pentafluorophenylhydrazine with activated enol ethers. Synthesis of N-pentafluorophenylpyrazoles. In *Arkivoc*. Part 2, (2017), s. 446-456. ISSN 1551-7004. V databáze: CC: 000392136600030.

BUČINSKÝ, Lukáš - BREZA, Martin - LEE, Wei-Tsung - HICKEY, Anne K. - DICKIE, Diane A. - NIETO, Ismael - DEGAYNER, Jordan A. - HARRIS, T. David - MEYER, Karsten - KRZYSZEK, Jurek - OZAROWSKI, Andrew - NEHRKORN, Joscha - SCHNEGG, Alexander - HOLLACK, Karsten - HERBER, Rolfe H. - TELSER, Joshua - SMITH, Jeremy M. Spectroscopic and Computational Studies of Spin States of Iron(IV) Nitrido and Imido Complexes. In *Inorganic Chemistry*. Vol. 56, iss. 8 (2017), s. 4751-4768. ISSN 0020-1669. V databáze: CC: 000399625600057 ; DOI: 10.1021/acs.inorgchem.7b00512.

BÜCHEL, Gabriel E. - KOSSATZ, Susanne - SADIQUE, Ahmad - RAPTA, Peter - ZALIBERA, Michal - BUČINSKÝ, Lukáš - KOMOROVSKY, Stanislav - TELSER, Joshua - EPPINGER, Jörg - REINER, Thomas - ARION, Vladimir B. cis-Tetrachlorido-bis(indazole)osmium(IV) and its osmium(III) analogues: paving the way towards the cis-isomer of the ruthenium anticancer drugs KP1019 and/or NKP1339. In *Dalton Transactions*. Vol. 46, iss. 35 (2017), s. 11925-11941. ISSN 1477-9226. V databáze: CC: 000410392800047 ; DOI: 10.1039/c7dt02194a.

DARVASIOVÁ, Denisa - BARBIERIKOVÁ, Zuzana - EIBEL, Anna - SCHMALLEGGER, Max - GESCHEIDT, Georg - ZALIBERA, Michal - NESHCHADIN, Dmytro. Probing the first steps of photoinduced free radical polymerization at water-oil interfaces. In *Polymer chemistry*. Vol. 8, iss. 45 (2017), s. 6943-6947. ISSN 1759-9954. V databáze: CC: 000415830400003 ; DOI: 10.1039/c7py01414g.

EIBEL, Anna - SCHMALLEGGER, Max - ZALIBERA, Michal - HUBERT, Alex - BÜRKL, Yasmin - GRÜTZMACHER, Hansjörg - GESCHEIDT, Georg. Extending the Scope of Bis(acyl)phosphane Oxides: Additional Derivatives. In *European Journal of Inorganic Chemistry*. Vol. 18, (2017), s. 2469-2478. ISSN 1434-1948. V databáze: CC: 000401436900012 ; DOI: 10.1002/ejic.201700140.

EIBEL, Anna - FAST, David E. - SATTELKOW, Juergen - ZALIBERA, Michal - WANG, Jieping - HUBERT, Alex - MÜLLER, Georgina - NESHCHADIN, Dmytro - DIETLIKER, Kurt - PLANK, Harald - GRÜTZMACHER, Hansjörg - GESCHEIDT, Georg. Star-shaped Polymers through Simple Wavelength-Selective Free-Radical Photopolymerization. In *Angewandte Chemie-International edition*. Vol. 56, iss. 45 (2017), s. 14306-14309. ISSN 1433-7851. V databáze: DOI: 10.1002/anie.201708274.

GATIAL, Anton - HERICH, Peter - TARABOVÁ, Denisa - MILATA, Viktor - PRÓNAYOVÁ, Nadežda. Conformational studies of 3-[(2,2-dimethylhydrazinyl)methylene]-pentane-2,4-dione using vibrational and NMR spectra, X-ray analysis and ab initio calculations. In *Journal of Molecular Structure*. Vol. 1140, Sp. Iss. (2017), s. 163-172. ISSN 0022-2860. V databáze: DOI: 10.1016/j.molstruc.2016.12.090 ; CC: 000401203000024.

HABALA, Ladislav - VARÉNYI, Samuel - BILKOVÁ, Andrea - HERICH, Peter - VALENTOVÁ, Jindra - KOŽÍŠEK, Jozef - DEVÍNSKY, Ferdinand. Antimicrobial Activity and Urease Inhibition of Schiff Bases Derived from Isoniazid and Fluorinated Benzaldehydes and of Their Copper(II) Complexes. In *Molecules*. Vol. 21, iss. 12 (2017), s. 1742, [14] s. ISSN 1420-3049. V databáze: CC: 000392140100136 ; DOI: 10.3390/molecules21121742.

HRICOVÍNI, Michal - DVORANOVÁ, Dana - BARBIERIKOVÁ, Zuzana - JANTOVÁ, Soňa - BELLA, Maroš - ŠORAL, Michal - BREZOVÁ, Vlasta. 6-Nitroquinolones in dimethylsulfoxide: Spectroscopic characterization and photoactivation of molecular oxygen. In *Journal of Photochemistry and Photobiology A: Chemistry*. Vol. 332, (2017), s. 112-121. ISSN 1010-6030. V databáze: CC: 000387837300013 ; DOI: 10.1016/j.jphotochem.2016.08.016.

JACKOVÁ, Dominika - MARTINKOVÁ, Miroslava - GONDA, Jozef - STANKOVÁ, Kvetoslava - BAGO PILÁTOVÁ, Martina - HERICH, Peter - KOŽÍŠEK, Jozef. The convergent synthesis and

anticancer activity of broussonetinines related analogues. In *Carbohydrate research*. Vol. 451, (2017), s. 59-71. ISSN 0008-6215. V databáze: CC: 000413320300007 ; DOI: 10.1016/j.carres.2017.09.009.

JOMOVÁ, Klaudia - LAWSON, Michael Kenneth - DROSTINOVÁ, Lenka - LAUKO, Peter - POPRAC, Patrik - BREZOVÁ, Vlasta - MICHALÍK, Martin - LUKEŠ, Vladimír - VALKO, Marián. Protective role of quercetin against copper(II)-induced oxidative stress: A spectroscopic, theoretical and DNA damage study. In *Food and Chemical Toxicology*. Vol. 110, (2017), s. 340-350. ISSN 0278-6915.

KIŠŠ, Ľubomír - RAPTA, Peter - BOČA, Roman - MIGLIERINI, Marcel - ČAPLOVIČOVÁ, Mária - MARTINKA, Michal - ŽEMLIČKA, Lukáš - FODRAN, Peter. Nanoscale iron particles formed from the metalloprotein-like structures prepared using ferrous ions in the presence of sodium glutamate and bovine serum albumin. In *Monatshefte für Chemie - Chemical Monthly*. Vol. 148, Iss. 12 (2017), s. 2019-2029. ISSN 0026-9247. V databáze: CC: 000415301700001 ; SCOPUS: 2-s2.0-85029594660.

KUCKOVÁ, Lenka - BUČINSKÝ, Lukáš - KOŽÍŠEK, Jozef. Copper atom representation in charge density analysis of (5-chlorosalicylate)-(2,9-dimethylphenanthroline)-(aqua) copper complex: Experimental and theoretical study. In *Journal of Molecular Structure*. Vol. 1135, (2017), s. 186-196. ISSN 0022-2860. V databáze: CC: 000395604700021 ; DOI: 10.1016/j.molstruc.2017.01.058.

KUCHTANIN, Vladimír - ŠVOREC, Jozef - MONCOLI, Ján - RŮŽIČKOVÁ, Zdeňka - MAZÚR, Milan - SEGLA, Peter. Polymeric and monomeric copper(II) thiophene- and furancarboxylato complexes. Bridging and terminal coordination of 3-pyridylmethanol. In *Polyhedron*. Vol. 121, (2017), s. 211-221. ISSN 0277-5387. V databáze: CC: 000390626200027 ; DOI: 10.1016/j.poly.2016.10.009.

LUKEŠ, Vladimír - ŠKORŇA, Peter - MICHALÍK, Martin - KLEIN, Erik. The computational analysis and modelling of substitution effects on hydrolysis of formanilides in acidic aqueous solutions. In *Chemical Physics Letters*. Vol. 687, (2017), s. 66-72. ISSN 0009-2614. V databáze: CC: 000412453700011 ; DOI: 10.1016/j.cplett.2017.08.069.

MAZÚR, Milan - VALKO, Marián - RHODES, Christopher J. A systematic study of the hydration and drying process of silica xerogels using Cu(II) EPR spectroscopy. In *Journal of Sol-Gel Science and Technology*. Vol. 82, iss. 3 (2017), s. 855-861. ISSN 0928-0707. V databáze: CC: 000399892500025 ; DOI: 10.1007/s10971-017-4357-4.

MILUNOVIC, Miljan N. M. - DOBROVA, Aliona - NOVITCHI, Ghenadie - GLIGORIJEVIC, Nevenka - RADULOVIC, Sinisa - KOŽÍŠEK, Jozef - RAPTA, Peter - ENYEDY, Eva A. - ARION, Vladimir B. Effects of Terminal Substitution and Iron Coordination on Antiproliferative Activity of L-Proline-salicylaldehyde-Thiosemicarbazone Hybrids. In *European Journal of Inorganic Chemistry*. Vol. 40, (2017), s. 4773-4783. ISSN 1434-1948. V databáze: DOI: 10.1002/ejic.201700962.

MIŠIČÁK, Róbert - NOVOTA, Miroslav - WEIS, Martin - CIGÁŇ, Marek - ŠIFFALOVIČ, Peter - NÁDAŽDY, Peter - KOŽÍŠEK, Jozef - KOŽÍŠKOVÁ, Júlia - PAVÚK, Milan - PUTALA, Martin. Effect of alkyl side chains on properties and organic transistor performance of 2,6-bis(2,2'-bithiophen-5-yl)naphthalene. In *Synthetic Metals*. Vol. 233, (2017), s. 1-14. ISSN 0379-6779. V databáze: CC: 000414880100001 ; DOI: 10.1016/j.synthmet.2017.08.010 ; SCOPUS: 2-s2.0-85029287745.

OHLÍDALOVÁ, Martina - KUČEROVÁ, Irena - BREZOVÁ, Vlasta - CÍLOVÁ, Zuzana - MICHALCOVÁ, Alena. Influence of metal cations on leather degradation. In *Journal of Cultural Heritage*. Vol. 24, (2017), s. 86-92. ISSN 1296-2074. V databáze: CC: 000397948300011 ; DOI: 10.1016/j.culher.2016.10.013.

PLIŽINGROVÁ, Eva - KLEMENTOVÁ, Mariana - BEZDIČKA, Petr - BOHÁČEK, Jaroslav - BARBIERIKOVÁ, Zuzana - DVORANOVÁ, Dana - MAZÚR, Milan - KRÝSA, Josef - ŠUBRT, Jan - BREZOVÁ, Vlasta. 2D-Titanium dioxide nanosheets modified with Nd, Ag and Au: Preparation, characterization and photocatalytic activity. In *Catalysis Today*. Vol. 281, (2017), s. 165-180. ISSN 0920-5861. V databáze: CC: 000390515800019 ; DOI: 10.1016/j.cattod.2016.08.013.

POPRAC, Patrik - JOMOVÁ, Klaudia - ŠIMUNKOVÁ, Miriama - KOLLÁR, Vojtech - RHODES, Christopher J. - VALKO, Marián. Targeting Free Radicals in Oxidative Stress-Related Human

Diseases. In *Trends in Pharmacological Sciences*. Vol. 38, iss. 7 (2017), s. 592-607. ISSN 0165-6147. V databáze: CC: 000403336100002 ; DOI: 10.1016/j.tips.2017.04.005.

POTOČNÁK, Ivan - VÁHOVSKÁ, Lucia - HERICH, Peter. Low-dimensional compounds containing cyanide groups. XXV. Synthesis, spectroscopic properties and crystal structures of two ionic iron(II) complexes with tricyanomethanide: tris(1,10-phenanthroline-kappa N-2,N')-iron(II) bis(tricyanomethanide) and tris(2,2'-bipyridine-kappa N-2,N')-iron(II) bis(tricyanomethanide) sesquihydrate. In *Acta Crystallographica. Section C. Crystal structure communications*. Vol. 70, part 5 (2017), s. 432-436. ISSN 0108-2701.

PUCHOŇOVÁ, Miroslava - ŠVOREC, Jozef - ŠVORC, Ľubomír - PAVLIK, Ján - MAZÚR, Milan - DLHÁŇ, Ľubor - RŮŽIČKOVÁ, Zdeňka - MONCOL, Ján - VALIGURA, Dušan. Synthesis, spectral, magnetic properties, electrochemical evaluation and SOD mimetic activity of four mixed-ligand Cu(II) complexes. In *Inorganica Chimica Acta*. Vol. 455, (2017), s. 298-306. ISSN 0020-1693. V databáze: CC: 000389167100037 ; DOI: 10.1016/j.ica.2016.10.034.

PUCHOŇOVÁ, Miroslava - MAZÚR, Milan - MONCOL, Ján - RŮŽIČKOVÁ, Zdeňka - VALIGURA, Dušan. Dimeric and different polymeric copper(II) salicylates Crystal structure and spectral properties. In *Journal of Molecular Structure*. Vol. 1137, (2017), s. 706-713. ISSN 0022-2860. V databáze: CC: 000398870900075 ; DOI: 10.1016/j.molstruc.2017.02.081.

PUŠKÁROVÁ, Ingrid - BREZA, Martin. DFT studies of the effectiveness of p-substituted diphenyl amine antioxidants in styrene-butadiene rubber through their Cu(II) coordination ability. In *Chemical Physics Letters*. Vol. 680, (2017), s. 78-82. ISSN 0009-2614. V databáze: CC: 000403527400014 ; DOI: 10.1016/j.cplett.2017.05.036.

PUŠKÁROVÁ, Ingrid - CIBULKOVÁ, Zuzana - BREZA, Martin. On NMR prediction of the antioxidant effectiveness of heterocyclic nitrogen compounds and substituted amines in styrene-butadiene rubber. In *Polymer Degradation and Stability*. Vol. 144, (2017), s. 1-6. ISSN 0141-3910. V databáze: CC: 000414111700001 ; DOI: 10.1016/j.polymdegradstab.2017.07.027.

SHOVA, Sergiu - VLAD, Angelica - CAZACU, Maria - KRZYTEK, Jurek - BUČINSKÝ, Lukáš - BREZA, Martin - DARVASIOVÁ, Denisa - RAPTA, Peter - CANO, Joan - TELSER, Joshua - ARION, Vladimir B. A five-coordinate manganese(III) complex of a salen type ligand with a positive axial anisotropy parameter D. In *Dalton Transactions*. Vol. 46, iss. 35 (2017), s. 11817-11829. ISSN 1477-9226. V databáze: CC: 000410392800036 ; DOI: 10.1039/c7dt01809f.

SIRBU, Angela - PALAMARCIUC, Oleg - BABAK, Maria V. - LIM, Jia Min - OHUI, Kateryna - ENYEDY, Eva A. - SHOVA, Sergiu - DARVASIOVÁ, Denisa - RAPTA, Peter - ANG, Wee Han - ARION, Vladimir B. Copper(II) thiosemicarbazone complexes induce marked ROS accumulation and promote nrf2-mediated antioxidant response in highly resistant breast cancer cells. In *Dalton Transactions*. Vol. 46, iss. 12 (2017), s. 3833-3847. ISSN 1477-9226. V databáze: CC: 000397882900009 ; DOI: 10.1039/c7dt00283a.

SZOLCSÁNYI, Peter - KAVALA, Miroslav - POPRAC, Patrik - POLIAK, Peter - ZALIBERA, Michal - FRONC, Marek - LUŠPAI, Karol - LUKEŠ, Vladimír - BREZOVÁ, Vlasta - ŠVORC, Ľubomír - OLEJNÍKOVÁ, Petra - VIHONSKÁ, Zuzana. Polyradical PROXYL/TEMPO-Derived Amides: Synthesis, Physicochemical Studies, DFT Calculations, and Antimicrobial Activity. In *ChemPlusChem*. Vol. 82, iss. 11 (2017), s. 1326-1340. ISSN 2192-6506. V databáze: CC ; DOI.

ŠKORŇA, Peter - MICHALÍK, Martin - LUKEŠ, Vladimír - KLEIN, Erik. The structural analysis and modelling of ring substituent effect for the ortho-derivatives of 1-hydroxynaphthalene-2-carboxanilides and 2-hydroxynaphthalene-1-carboxanilides. In *Journal of Molecular Structure*. Vol. 1144, (2017), s. 473-481. ISSN 0022-2860. V databáze: CC: 000403855700056 ; DOI: 10.1016/j.molstruc.2017.05.069.

ŠORAL, Michal - MARKUS, Jozef - DOHÁŇŠOVÁ, Jana - ŠORALOVÁ, Stanislava - DVORANOVÁ, Dana - CHYBA, Andrej - MONCOL, Ján - BERKEŠ, Dušan - LIPTAJ, Tibor. An unexpected reaction pathway in the synthesis of the ABCE framework of strychnine-type alkaloids A multidisciplinary study.

In *Journal of Molecular Structure*. Vol. 1128, (2017), s. 230-238. ISSN 0022-2860. V databáze: CC: 000387194600029 ; DOI: 10.1016/j.molstruc.2016.08.014.

VEVERKA, Miroslav - DUBAJ, Tibor - JORÍK, Vladimír - VEVERKOVÁ, Eva - ŠIMON, Peter. Stabilization of conjugated linoleic acid via complexation with arabinogalactan and beta-glucan. In *European Journal of Lipid Science and Technology*. Vol. 119, iss. 8 (2017), s. 10. ISSN 1438-7697. V databáze: CC: 000407162500002 ; DOI: 10.1002/ejlt.201600258.

VODISEK, Nives - RAMANUJACHARY, Kandalam - BREZOVÁ, Vlasta - STANGAR, Urska Lavrencic. Transparent titania-zirconia-silica thin films for self-cleaning and photocatalytic applications. In *Catalysis Today*. Vol. 287, (2017), s. 142-147. ISSN 0920-5861. V databáze: CC: 000399006100022 ; DOI: 10.1016/j.cattod.2016.12.026.

XU, Qing-Song - BUČINSKÝ, Lukáš - BREZA, Martin - KRZYSZEK, Jurek - CHEN, Chun-Hsing - PINK, Maren - TELSER, Joshua - SMITH, Jeremy M. Ligand Substituent Effects in Manganese Pyridinophane Complexes: Implications for Oxygen-Evolving Catalysis. In *Inorganic Chemistry*. Vol. 56, iss. 22 (2017), s. 14315-14325. ISSN 0020-1669. V databáze: CC: 000416297200074 ; DOI: 10.1021/acs.inorgchem.7b02421.

ZALTARIOV, Mirela-Fernanda - VIERU, V. - ZALIBERA, Michal - CAZACU, Maria - MARTINS, Nuno M. R. - MARTINS, Luísa M. D. R. S. - RAPTA, Peter - NOVITCHI, G. - SHOVA, Sergiu - POMBEIRO, Armando J.L. - ARION, Vladimir B. A Bis(mu-chlorido)-Bridged Cobalt(II) Complex with Silyl-Containing Schiff Base as a Catalyst Precursor in the Solvent-Free Oxidation of Cyclohexane. In *European Journal of Inorganic Chemistry*. iss. 37, (2017), s. 4324-4332. ISSN 1434-1948. V databáze: CC: 000412582200010 ; DOI: 10.1002/ejic.201700875.

BRANIŠA, Jana - JOMOVÁ, Klaudia - PORUBSKÁ, Mária - KOLLÁR, Vojtech - ŠIMUNKOVÁ, Miriama - VALKO, Marián. Effect of drying methods on the content of natural pigments and antioxidant capacity in extracts from medicinal plants: a spectroscopic study. In *Chemical Papers*. Vol. 71, iss. 10 (2017), s. 1993-2002. ISSN 0366-6352.

Publications Listed in Web of Science or SCOPUS

KLEIN, Erik - LUKEŠ, Vladimír - RIMARČÍK, Ján - KLEINOVÁ, Andrea. Theoretical Study of Primary Antioxidant Action Thermodynamics. In *Journal of the Serbian Society for Computational Mechanics*. Vol. 11, no. 1 (2017), s. 130-138. ISSN 1820-6530.

Published Conference Contributions

KOŽÍŠEK, Jozef - FRONC, Marek - HERICH, Peter - BUČINSKÝ, Lukáš - GILLON, Beatrice - STUNAU, Anne - FABELLO, Oscar - MASON, Saxon A. - CLAISER, Nicolas - DEUTSCH, Maxime. Charge and spin density study of Ni(III) dithiolate complex. In *Acta crystallographica Section A : Abstract of the XXIV IUCr Congress Hyderabad, India, 21-28 August 2017*. Vol. A73, (2017), s. C1366. ISSN 2053-2733.

ŠIMON, Peter - DUBAJ, Tibor - CIBULKOVÁ, Zuzana - VYKYDALOVÁ, Anna. Termoanalytické techniky a izokonverzné metódy pri hodnotení požiarneho rizika. In *Advances in Fire and Safety Engineering 2017 [elektronický zdroj] : recenzovaný zborník pôvodných vedeckých prác zo VI. ročníka medzinárodnej vedeckej konferencie. Trnava, 19. - 20. október 2017*. 1. vyd. Trnava : STU v Bratislave, Materiálovotechnická fakulta so sídlom v Trnave, Alumni Press, 2017, CD-ROM, 26-34. ISBN 978-80-8096-245-6.

VALKO, Marián. Oxidačný stres v živých systémoch indukovaný kovmi. In *ChemZi* : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec. Roč. 13, č. 1 (2017), s. 68. ISSN 1336-7242.

ROMERO, Ana Malvis - SLÁDKOVÁ, Alexandra - ŠIMON, Peter - DUBAJ, Tibor - HÁZ, Aleš - JABLONSKÝ, Michal - SEKRETÁR, Stanislav - SCHMIDT, Štefan - KREPS, František - BURČOVÁ, Zuzana - ŽÚBOR, Vladimír - ŠURINA, Igor - ŠKULCOVÁ, Andrea - STRIŽINCOVÁ, Petra. Chemical characterization of different varieties of extra virgin olive oils. In 55. *Mezinárodní konference o olejích a tucích, Velké Bílovice, Česká republika, 10.-12.5.2017 [elektronický zdroj]* : Sborník přednášek. Praha : Česká společnost chemická, 2017, CD-ROM, S. 151-157. ISBN 978-80-86238-44-9.

ROMERO, Ana Malvis - ŠIMON, Peter - DUBAJ, Tibor - SLÁDKOVÁ, Alexandra - HÁZ, Aleš - JABLONSKÝ, Michal - SEKRETÁR, Stanislav - SCHMIDT, Štefan - KREPS, František - BURČOVÁ, Zuzana - ŠURINA, Igor. Thermal analysis of Extra Virgin Olive Oils. In 55. *Mezinárodní konference o olejích a tucích, Velké Bílovice, Česká republika, 10.-12.5.2017 [elektronický zdroj]* : Sborník přednášek. Praha : Česká společnost chemická, 2017, CD-ROM, S. 108-113. ISBN 978-80-86238-44-9.

SEKRETÁR, Stanislav - KRIŠOVÁ, Denisa - BURČOVÁ, Zuzana - SLÁDKOVÁ, Alexandra - KREPS, František - SCHMIDT, Štefan - ŠURINA, Igor - ROMERO, Ana Malvis - HÁZ, Aleš - ŠIMON, Peter. Využitie extraktov z fytomasy pri stabilizácii jedlých olejov. In 55. *Mezinárodní konference o olejích a tucích, Velké Bílovice, Česká republika, 10.-12.5.2017 [elektronický zdroj]* : Sborník přednášek. Praha : Česká společnost chemická, 2017, CD-ROM, S. 38-42. ISBN 978-80-86238-44-9.

SCHMIDT, Štefan - KREPS, František - BURČOVÁ, Zuzana - SEKRETÁR, Stanislav - SLÁDKOVÁ, Alexandra - JABLONSKÝ, Michal - HÁZ, Aleš - ŠURINA, Igor - GREIFOVÁ, Mária - ŠIMON, Peter. Antioxidanty v strave sú zdraviu prospešné - pravda alebo mýtus? In 55. *Mezinárodní konference o olejích a tucích, Velké Bílovice, Česká republika, 10.-12.5.2017 [elektronický zdroj]* : Sborník přednášek. Praha : Česká společnost chemická, 2017, CD-ROM, S. 30-37. ISBN 978-80-86238-44-9.

ŠIMON, Peter - DUBAJ, Tibor - CIBULKOVÁ, Zuzana - VYKYDALOVÁ, Anna - ROMERO, Ana Malvis - ŠURINA, Igor. Štúdium termooxidačnej stability extraktov rastlinných tukov a olejov termoanalytickými metódami. In 55. *Mezinárodní konference o olejích a tucích, Velké Bílovice, Česká republika, 10.-12.5.2017 [elektronický zdroj]* : Sborník přednášek. Praha : Česká společnost chemická, 2017, CD-ROM, S. 84-87. ISBN 978-80-86238-44-9.

BORTŇÁK, Dušan - VÉGH, Daniel - ŠORAL, Michal - BREZA, Martin - MILATA, Viktor. Pentafluórfenylhydrazín – jeho reaktivita a vlastnosti. In *Zborník príspevkov z medzinárodného vedeckého sympózia "Priemyselná toxikológia 2017", 14.-16. jún 2017, Svit [elektronický zdroj]*. 1. vyd. Bratislava : Spektrum STU, 2017, USB kľúč, s. 20-24. ISBN 978-80-227-4701-1.

BREZA, Martin. QAIM studies of biomimetic trigonal iron(IV) nitrido and imido. In *XXVI. International Conference on Coordination and Bioinorganic Chemistry, June 4-9, 2017, Smolenice [elektronický zdroj]* : *Modern Trends in Coordination, Bioinorganic, and Applied Inorganic : Monograph*. 1. vyd. Bratislava : Slovak Chemical Society, 2017, USB kľúč, s. 14-26. ISSN 1335-308X. ISBN 978-80-89597-65-9.

PUŠKÁROVÁ, Ingrid - BREZA, Martin. DFT studies of the effectiveness of p-substituted diphenyl amine antioxidants through their Cu(II) coordination ability. In *XXVI. International Conference on Coordination and Bioinorganic Chemistry, June 4-9, 2017, Smolenice [elektronický zdroj]* : *Modern Trends in Coordination, Bioinorganic, and Applied Inorganic : Monograph*. 1. vyd. Bratislava : Slovak Chemical Society, 2017, USB kľúč, s. 114-122. ISSN 1335-308X. ISBN 978-80-89597-65-9.

BREZOVÁ, Vlasta - BARBIERIKOVÁ, Zuzana. The Role of EPR Spin Trapping Technique in the Characterization of Photogenerated Non-Persistent Radical Species: From Fundamentals to Prospects and Problems. In *5th European Conference on Environmental Applications of Advanced Oxidation Processes, June 25-29, 2017, Prague, Czech Republic : Book of Abstracts*. 1. vyd. Prague : University of Chemistry and Technology Prague, 2017, S. 43. ISBN 978-80-7080-991-4.

KLEMPOVÁ, Tatiana - SLANÝ, Ondrej - RUSNÁK, Matej - CIBULKOVÁ, Zuzana - MARCINČÁK, Slavomír - ČERTÍK, Milan. Nutraceutical potential of fungal solid-state fermented bioproducts. In *13th International Symposium on Biocatalysis and Biotechnology, October 17-20 2017, Taichung Taiwan : Abstract Book*. 1. vyd. Taichung, Taiwan : National Chung Hsing University, 2017, S. 46. ISBN 978-986-05-3135-0.

BREZOVÁ, Vlasta - BARBIERIKOVÁ, Zuzana - DVORANOVÁ, Dana - MAZÚR, Milan. The Role of X- and Q-band EPR Spectroscopy in the Characterization of Titania Nanocrystalline Systems. In *Nanomaterials: Fundamentals and Applications. Book of abstracts [elektronický zdroj] : the 3rd International Conference on Nanomaterials: Fundamentals and Applications, October 09-11, 2017, Štrbské Pleso, SR*. 1. vyd : NFA, 2017, online, s. 11-12. ISBN 978-80-8152-530-8.

BREZA, Martin. DFT and TD-DFT studies of camptothecin aggregation in solutions. In *XIVth International Conference on Molecular Spectroscopy, Biaľka Tatzaňska, 3-7 September 2017*. 1. vyd. Krakow : Wydawnictwo Naukowe Akapit, 2017, S. 120. ISBN 978-83-63663-94-0.

BREZOVÁ, Vlasta - BARBIERIKOVÁ, Zuzana - DVORANOVÁ, Dana. An EPR spin trapping study of radical intermediates generated upon photoexcitation of glycerol in titania suspensions. In *5th European Conference on Environmental Applications of Advanced Oxidation Processes, June 25-29, 2017, Prague, Czech Republic : Book of Abstracts*. 1. vyd. Prague : University of Chemistry and Technology Prague, 2017, S. 86. ISBN 978-80-7080-991-4.

CIBULKOVÁ, Zuzana - ŠIMON, Peter - VYKYDALOVÁ, Anna - DUBAJ, Tibor. Thermooxidative stability of a coaxial cable insulation aged by varicose doses of radiation and temperature using non-isothermal DSC measurements. In *JTACC+V4 1st Journal of Thermal Analysis and Calorimetry Conference and 6th V4 Thermoanalytical Conference, June 6-9, 2017, Budapest, Hungary : Book of abstracts*. Budapest : Akadémiai Kiadó, 2017, S. 249. ISBN 978-963-454-098-4.

DUBAJ, Tibor - ŠIMON, Peter - CIBULKOVÁ, Zuzana - VYKYDALOVÁ, Anna - BREZA, Martin. Developing a PBPK Model for the high level integrated sensor for nanotoxicity screening (HISENTS). In *NANOCON 2017, 9th International Conference on Nanomaterials - Research & Application, October 18th - 20th 2017, Brno, Czech Republic : Abstracts*. 1. vyd. Moravská Ostrava : TANGER Ltd, 2017, S. 146. ISBN 978-80-87294-78-9.

DUBAJ, Tibor - ŠIMON, Peter - VEVERKA, Miroslav - CIBULKOVÁ, Zuzana. DSC study of conjugated linoleic acid stabilized via complexation with arabinogalactan and beta-glucan. In *JTACC+V4 1st Journal of Thermal Analysis and Calorimetry Conference and 6th V4 Thermoanalytical Conference, June 6-9, 2017, Budapest, Hungary : Book of abstracts*. Budapest : Akadémiai Kiadó, 2017, S. 250. ISBN 978-963-454-098-4.

DUBAJ, Tibor. Thermooxidative stability of conjugated linoleic acid stabilized by complexation with dietary fiber. In *Sborník příspěvků termoanalytického semináře TAS 2017, 10. říjen 2017, Ostrava, Česká republika*. Ostrava : Ostravská univerzita, Přírodovědecká fakulta, 2017, S. 34-35. ISBN 978-80-86238-71-1.

DVORANOVÁ, Dana - RAPTA, Peter - BARBIERIKOVÁ, Zuzana - MALČEK, Michal - BUČINSKÝ, Lukáš - BREZOVÁ, Vlasta - LUŠPAI, Karol. On The Reaction Mechanism of the 2,6-Dichlorophenolindo-phenolate (DCIP) upon Reduction in Aprotic/Protic Solvents. In *50th Heyrovsky Discussion, Molecular Electrochemistry in organic and organometallic research, Castle Třešť (Czech Republic) June 18-22, 2017 : Book of Abstracts*. 1. vyd. Prague : Academy of Sciences of the Czech Republic, 2017, S. 69. ISBN 978-80-87351-43-7.

FRONC, Marek - KOŽÍŠEK, Jozef. Charge-density study of [Cu/II(bite)]⁺²⁺ (bite = biphenyldiimine dithioether) complexes. In *Acta crystallographica Section A : Abstract of the XXIV IUCr Congress Hyderabad, India, 21-28 August 2017*. Vol. A73, (2017), s. C703. ISSN 2053-2733.

GATIAL, Anton - GRÓF, Martin - MILATA, Viktor - PRÓNAYOVÁ, Nadežda - HERICH, Peter. Comparison of the conformational behavior of 3-(methylaminomethylene)-pentane-2,4-dione (MAMP) and 3-(dimethylaminomethylene)-pentane-2,4-dione (DMAMP) using vibrational and NMR spectra and ab initio calculations. In *XIVth International Conference on Molecular Spectroscopy, Biaľka*

Tatzańska, 3–7 September 2017. 1. vyd. Krakow : Wydawnictwo Naukowe Akapit, 2017, S. 329. ISBN 978-83-63663-94-0.

GRENČÍKOVÁ, Anna - BRANDEBUROVÁ, Paula - BELIŠOVÁ, Noemi - MACKULÁK, Tomáš - KROMKA, Alexander - BARBIERIKOVÁ, Zuzana. Modified nanoparticles – possible method to inhibit cancer cell growth. In *5th European Conference on Environmental Applications of Advanced Oxidation Processes, June 25-29, 2017, Prague, Czech Republic : Book of Abstracts*. 1. vyd. Prague : University of Chemistry and Technology Prague, 2017, S. 443. ISBN 978-80-7080-991-4.

HERICH, Peter - MONCOL', Ján - KOŽIŠKOVÁ, Júlia - KOŽIŠEK, Jozef. Charge-density study of bis(clonixato)bis(ethanol)bis(imidazole)copper(II) complex. In *Acta crystallographica Section A : Abstract of the XXIV IUCr Congress Hyderabad, India, 21-28 August 2017*. Vol. A73, (2017), s. C701. ISSN 2053-2733.

KOŽIŠKOVÁ, Júlia - VRANEC, Peter - POTOČNÁK, Ivan - KOŽIŠEK, Jozef. Charge-density study of halogen–halogen interactions in palladium(II) complex. In *Acta crystallographica Section A : Abstract of the XXIV IUCr Congress Hyderabad, India, 21-28 August 2017*. Vol. A73, (2017), s. C905. ISSN 2053-2733.

MASÁROVÁ, Petra - MAZÚR, Milan - MONCOL', Ján. Structural and spectroscopic study of copper(II) dipicolinate compounds. In *Materials Structure : Struktura 2017, Kolokvium Krystalografické spoločnosti, Telč, 19.-22.6.2017*. Vol. 24, no. 1 (2017), s. 62. ISSN 1211-5894.

MAZÚR, Milan. How to minimize influence of error sources in quantitative EPR spectroscopy. In *17th Austrian Chemistry Days, 25 – 28 September 2017, Salzburg [elektronický zdroj] : Book of Abstracts*. 1. vyd. Salzburg : University of Salzburg, 2017, S. [1]. ISBN 978-3-900554-76-7.

ŠIMON, Peter - CIBULKOVÁ, Zuzana - DUBAJ, Tibor - VYKYDALOVÁ, Anna. Evaluation of thermooxidative stability of rubber compounds by differential scanning calorimetry. In *7th International Conference on Polymeric Material in Automotive & 23rd Slovak Rubber Conference, May 29th - 31th, 2017 Bratislava, Slovakia : Book of proceedings*. 1. vyd. Bratislava : Librix, 2017, S. 114-116. ISBN 978-80-89841-04-2.

ŠIMON, Peter - DUBAJ, Tibor - VYKYDALOVÁ, Anna - CIBULKOVÁ, Zuzana. High level integrated sensor for nanotoxicity screening. In *NANOCON 2017, 9th International Conference on Nanomaterials - Research & Application, October 18th - 20th 2017, Brno, Czech Republic : Abstracts*. 1. vyd. Moravská Ostrava : TANGER Ltd, 2017, S. 67. ISBN 978-80-87294-78-9.

ŠIMON, Peter - DUBAJ, Tibor - CIBULKOVÁ, Zuzana - VYKYDALOVÁ, Anna. Application of isoconversional methods for the prediction of material lifetimes. In *JTACC+V4 1st Journal of Thermal Analysis and Calorimetry Conference and 6th V4 Thermoanalytical Conference, June 6-9, 2017, Budapest, Hungary : Book of abstracts*. Budapest : Akadémiai Kiadó, 2017, S. 13. ISBN 978-963-454-098-4.

ŠIMON, Peter - DUBAJ, Tibor - CIBULKOVÁ, Zuzana - VYKYDALOVÁ, Anna. Meaning and application of isoconversional methods. In *4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chisinau, Moldova : Book of Abstracts*. 1. vyd. Germany : Academica Greifswald, 2017, S. 107. ISBN 978-3-940237-47-7.

VYKYDALOVÁ, Anna - ŠIMON, Peter - CIBULKOVÁ, Zuzana - DUBAJ, Tibor. Thermooxidative stability of beeswax samples studied by DSC measurements. In *JTACC+V4 1st Journal of Thermal Analysis and Calorimetry Conference and 6th V4 Thermoanalytical Conference, June 6-9, 2017, Budapest, Hungary : Book of abstracts*. Budapest : Akadémiai Kiadó, 2017, S. 94. ISBN 978-963-454-098-4.

VYKYDALOVÁ, Anna - CIBULKOVÁ, Zuzana - ŠIMON, Peter - DUBAJ, Tibor. Thermooxidative stability of a coaxial cable insulation aged by various doses of radiation studied using non-isothermal DSC measurements. In *4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chisinau, Moldova : Book of Abstracts*. 1. vyd. Germany : Academica Greifswald, 2017, S. 87. ISBN 978-3-940237-47-7.

VYKYDALOVÁ, Anna - ŠIMON, Peter - CIBULKOVÁ, Zuzana - DUBAJ, Tibor. DSC study of the thermooxidative stability of artificially aged beeswax. In *Sborník příspěvků termoanalytického semináře TAS 2017, 10. říjen 2017, Ostrava, Česká republika*. Ostrava : Ostravská univerzita, Přírodovědecká fakulta, 2017, S. 71. ISBN 978-80-86238-71-1.

CIBULKOVÁ, Zuzana - VYKYDALOVÁ, Anna - DUBAJ, Tibor - ŠIMON, Peter. Thermooxidative stability of polypropylene/TiO₂ and polypropylene/layered silicate nanocomposites. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*. Roč. 13, č. 1 (2017), s. 79. ISSN 1336-7242.

DARVASIOVÁ, Denisa - RAPTA, Peter - BUČINSKÝ, Lukáš - BREZA, Martin - ARION, Vladimír B. Electrochemistry and spectrochemistry of trigonal-bipyramidal manganese(III) complex with a salen type ligand. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*. Roč. 13, č. 1 (2017), s. 148. ISSN 1336-7242.

DUBAJ, Tibor - ŠIMON, Peter - CIBULKOVÁ, Zuzana - VYKYDALOVÁ, Anna. A minimal physiologically based pharmacokinetic model for nanoparticles biodistribution. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*. Roč. 13, č. 1 (2017), s. 78-79. ISSN 1336-7242.

GALL, Marián - KOŽÍŠEK, Jozef. Agostic Cu-H interaction - charge density study of bis(clonixato) bis(imidazole)copper(II) complex. In *MELNÍK, Milan - SEGLA, Peter - TATARKO, Miroslav. Book of Abstracts : XXVI. International Conference on Coordination and Bioinorganic Chemistry : Modern Trends in Coordination, Bioinorganic, and Applied Inorganic Chemistry, June 4-9, 2017, Smolenice, Slovakia*. 1. vyd. Bratislava : Slovak Chemical Society, 2017, S. 43. ISSN 1335-308X. ISBN 978-80-89597-65-9.

HRICOVÍNI, Michal - MAZÚR, Milan - BREZOVÁ, Vlasta - ARION, Vladimír B. EPR characterisation of copper(II) thiosemicarbazone complexes. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*. Roč. 13, č. 1 (2017), s. 149. ISSN 1336-7242.

KOŽÍŠEK, Jozef - VRANEC, Peter - POTOČNÁK, Ivan - KOŽÍŠKOVÁ, Júlia. Charge density study of halogen-halogen interactions in Palladium(II). In *MELNÍK, Milan - SEGLA, Peter - TATARKO, Miroslav. Book of Abstracts : XXVI. International Conference on Coordination and Bioinorganic Chemistry : Modern Trends in Coordination, Bioinorganic, and Applied Inorganic Chemistry, June 4-9, 2017, Smolenice, Slovakia*. 1. vyd. Bratislava : Slovak Chemical Society, 2017, S. 59. ISSN 1335-308X. ISBN 978-80-89597-65-9.

LIŠKOVÁ, Alžbeta - MILASOVÁ, Tatiana - JANTOVÁ, Soňa - BREZOVÁ, Vlasta - KANĎÁROVÁ, Helena. Assessment of the phototoxicity of three different TiO₂ nano-forms using reconstructed human tissue model EpiDerm. In *Toxicology Letters : Abstracts of the 53rd Congress of the European Societies of Toxicology (EUROTOX), Bratislava, Slovakia, 10-13 September 2017*. Vol. 280, Suppl. 1 (2017), s. S157. ISSN 0378-4274.

MASÁROVÁ, Petra - KUCHANTANIN, Vladimír - MAZÚR, Milan - MONCOL', Ján. Copper(II) dipicolinate compounds of potential catecholase activity. In *MELNÍK, Milan - SEGLA, Peter - TATARKO, Miroslav. Book of Abstracts : XXVI. International Conference on Coordination and Bioinorganic Chemistry : Modern Trends in Coordination, Bioinorganic, and Applied Inorganic Chemistry, June 4-9, 2017, Smolenice, Slovakia*. 1. vyd. Bratislava : Slovak Chemical Society, 2017, S. 69. ISSN 1335-308X. ISBN 978-80-89597-65-9.

MASÁROVÁ, Petra - KUCHANTANIN, Vladimír - MAZÚR, Milan - MONCOL', Ján. Structures, EPR spectra and magnetism of transition metal dipicolinates with N-donor ligands. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*. Roč. 13, č. 1 (2017), s. 98. ISSN 1336-7242.

MASÁROVÁ, Petra - MAZÚR, Milan - MONCOL', Ján. Synthesis, crystal structures, magnetism and EPR spectra of transition metal dipicolinate compounds. In *6th Biennial International Scientific Conference Applied Natural Sciences 2017, September 27-29, 2017, Jasná, Slovak*

Republic : Book of Abstracts. 1. vyd. Trnava : University of SS. Cyril and Methodius, 2017, S. 126. ISBN 978-80-8105-547-8.

MAZÚR, Milan - POPRAC, Patrik - VALKO, Marián. EPR spectroscopy of TEOS-based sol-gel process. An U-spectra type of Gd(III) EPR spectra analysis. In MELNÍK, Milan - SEGLA, Peter - TATARKO, Miroslav. *Book of Abstracts : XXVI. International Conference on Coordination and Bioinorganic Chemistry : Modern Trends in Coordination, Bioinorganic, and Applied Inorganic Chemistry, June 4-9, 2017, Smolenice, Slovakia*. 1. vyd. Bratislava : Slovak Chemical Society, 2017, S. 72. ISSN 1335-308X. ISBN 978-80-89597-65-9.

MAZÚR, Milan - STREČANSKÁ, Karina. Analysis of copper complexes with biologically active ligands. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*. Roč. 13, č. 1 (2017), s. 82. ISSN 1336-7242.

RAPTA, Peter. In situ EPR and UV-Vis-NIR spectroelectrochemistry as a unique tool for redox mechanisms studies of coordination compounds. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*. Roč. 13, č. 1 (2017), s. 81. ISSN 1336-7242.

ŠIMON, Peter - DUBAJ, Tibor - CIBULKOVÁ, Zuzana - VYKYDALOVÁ, Anna. Nanomaterials and their toxicity. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*. Roč. 13, č. 1 (2017), s. 152. ISSN 1336-7242.

ŠVOREC, Jozef - MONCOL, Ján - VASKOVÁ, Zuzana - MAZÚR, Milan - VALIGURA, Dušan. A study of nitrobenzoatocopper(II) complexes with N-methylnicotinamide. In MELNÍK, Milan - SEGLA, Peter - TATARKO, Miroslav. *Book of Abstracts : XXVI. International Conference on Coordination and Bioinorganic Chemistry : Modern Trends in Coordination, Bioinorganic, and Applied Inorganic Chemistry, June 4-9, 2017, Smolenice, Slovakia*. 1. vyd. Bratislava : Slovak Chemical Society, 2017, S. 107. ISSN 1335-308X. ISBN 978-80-89597-65-9.

VYKYDALOVÁ, Anna - CIBULKOVÁ, Zuzana - DUBAJ, Tibor - ŠIMON, Peter. Thermooxidative stability organic semiconducting materials using non-isothermal DSC measurements. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*. Roč. 13, č. 1 (2017), s. 79. ISSN 1336-7242.

LUŠPAI, Karol - KESZELIOVÁ, Daniela - BARLOG, Martin - PETRÁK, Václav. Transparent Boron-doped Diamond Electrode (t-BDDE) for Spectroelectrochemistry. In *Proceedings of the International Conference Modern Electrochemical Methods XXXVII, Jetřichovice, Czech Republic, May 15th - May 19th, 2017*. Ústí nad Labem : Best servis, 2017, S. 132-137. ISBN 978-80-905221-5-2.

BARBIERIKOVÁ, Zuzana - DVORANOVÁ, Dana - BREZOVÁ, Vlasta - PLIŽINGROVÁ, Eva - BOHÁČEK, Jaroslav - ŠUBRT, Jan. Paramagnetic centers present in the Nd, Ag and Au modified TiO₂ nanosheets. In *XXVII International EPR seminar, April 3-5, 2017, Dresden, Germany : Programme and Abstracts*. 1. vyd. Dresden : Leibniz Institute for Solid State and Materials Research, 2017, S. 11.

BARBIERIKOVÁ, Zuzana - POPRAC, Patrik - ZALIBERA, Michal - BREZOVÁ, Vlasta. EPR study of polyradical Proxy/TEMPO-derived amides. In *Spin-2017. The 8th Conference on Nitroxide Radicals, Padova - Italy, September 10-14, 2017 : Book of Abstracts*. 1. vyd. Università di Padova : Padova, 2017, S. 28.

BREZOVÁ, Vlasta - BARBIERIKOVÁ, Zuzana - DVORANOVÁ, Dana. Photoinduced transformation of glycerol in titania suspensions. (An EPR spin trapping study of radical intermediates). In *XXVII International EPR seminar, April 3-5, 2017, Dresden, Germany : Programme and Abstracts*. 1. vyd. Dresden : Leibniz Institute for Solid State and Materials Research, 2017, S. 9.

DARVASIOVÁ, Denisa - RAPTA, Peter - ZALIBERA, Michal - BREZA, Martin - ARION, Vladimir B. Nickel based complexes as potential catalysts for production of energetically rich materials studied by EPR spectroscopy and in situ EPR/UV-vis-NIR spectroelectrochemistry. In *XXVII International EPR seminar, April 3-5, 2017, Dresden, Germany : Programme and Abstracts*. 1. vyd. Dresden : Leibniz Institute for Solid State and Materials Research, 2017, S. 18.

DVORANOVÁ, Dana - BARBIERIKOVÁ, Zuzana - MAZÚR, Milan - BREZOVÁ, Vlasta - GIANNAKOPOULOU, Tatiana - TRAPALIS, Christos. The EPR study of composite g-GsN+/TiO₂ photocatalysts. In *XXVII International EPR seminar, April 3-5, 2017, Dresden, Germany : Programme and Abstracts*. 1. vyd. Dresden : Leibniz Institute for Solid State and Materials Research, 2017, S. 10.

DVORANOVÁ, Dana - BARBIERIKOVÁ, Zuzana - MAZÚR, Milan - BREZOVÁ, Vlasta - GIANNAKOPOULOU, Tatiana - TRAPALIS, Christos. Visible-light activity of g-C₃N₄/TiO₂ photocatalysts (An EPR study). In *SP6 - 6th International Conference on Semiconductor Photochemistry, Oldenburg, 11.-14.9.2017 : Book of Abstracts*. 1. vyd. Oldenburg : Carl von Ossietzky University Oldenburg, 2017, S. 41-42.

HRICOVÍNI, Michal - MAZÚR, Milan - BREZOVÁ, Vlasta - ARION, Vladimir B. EPR study of copper thiosemicarbazone complexes and their photoinduced processes. In *XXVII International EPR seminar, April 3-5, 2017, Dresden, Germany : Programme and Abstracts*. 1. vyd. Dresden : Leibniz Institute for Solid State and Materials Research, 2017, S. [1].

LUŠPAI, Karol - RAPTA, Peter. Stepwise electrochemical oxidation of (tetrathiafulvaleno)dodecahydro [18]annulene-. In *XXVII International EPR seminar, April 3-5, 2017, Dresden, Germany : Programme and Abstracts*. 1. vyd. Dresden : Leibniz Institute for Solid State and Materials Research, 2017, S. 17.

MAZÚR, Milan - POPRAC, Patrik - VALKO, Marián. Unusual "U-spectra" type of Gd(III) EPR spectra seen in the various stages of silica sol-gel process. In *XXVII International EPR seminar, April 3-5, 2017, Dresden, Germany : Programme and Abstracts*. 1. vyd. Dresden : Leibniz Institute for Solid State and Materials Research, 2017, S. 8.

POPRAC, Patrik - BREZOVÁ, Vlasta - VALKO, Marián. Targeting copper(II)-induced oxidative stress and the acetylcholinesterase system in Alzheimer's disease using multifunctional tacrine-coumarin hybrid molecules. In *XXVII International EPR seminar, April 3-5, 2017, Dresden, Germany : Programme and Abstracts*. 1. vyd. Dresden : Leibniz Institute for Solid State and Materials Research, 2017, S. 16.

RAPTA, Peter - DARVASIOVÁ, Denisa - BREZA, Martin - ARION, Vladimir B. Charge and spin states of oxido- and dioxidovanadium complexes studied by UV/Vis/NIR and EPR spectroelectrochemistry. In *XXVII International EPR seminar, April 3-5, 2017, Dresden, Germany : Programme and Abstracts*. 1. vyd. Dresden : Leibniz Institute for Solid State and Materials Research, 2017, S. 19.

ŠIMON, Peter - DUBAJ, Tibor - VYKYDALOVÁ, Anna - CIBULKOVÁ, Zuzana. Sensor for the nanomaterial toxicity. In *60 Zjazd Naukowy Polskiego Towarzystwa Chemicznego Wrocław, 17-21 września 2017*. Wrocław : Uniwersytet Wrocławski, 2017, S. 512.

ŠKORŇA, Peter - MICHALÍK, Martin - POLIAK, Peter - KLEIN, Erik. Theoretical Study of the Energetics of Phenolic O-H Bond Cleavage of the Gallic Acid. In *XXVII International EPR seminar, April 3-5, 2017, Dresden, Germany : Programme and Abstracts*. 1. vyd. Dresden : Leibniz Institute for Solid State and Materials Research, 2017, S. 14.

ŠKORŇA, Peter - KLEIN, Erik - BIELA, Monika - POLIAK, Peter. Naturally occurring phenolic acids: the thermodynamics of hydrogen atom transfer. In *XXVII International EPR seminar, April 3-5, 2017, Dresden, Germany : Programme and Abstracts*. 1. vyd. Dresden : Leibniz Institute for Solid State and Materials Research, 2017, S. 15.

VYKYDALOVÁ, Anna - ŠIMON, Peter - CIBULKOVÁ, Zuzana - DUBAJ, Tibor. DSC study of thermooxidative stability of coaxial cable insulation after accelerated aging by radiation and temperature. In *60 Zjazd Naukowy Polskiego Towarzystwa Chemicznego Wrocław, 17-21 września 2017*. Wrocław : Uniwersytet Wrocławski, 2017, S. 395.

ZALIBERA, Michal - KRYLOV, Denis - SAVITSKY, Anton - POPOV, A. A. Excited triplet states of endohedral nitride cluster fullerenes: a multifrequency EPR/ENDOR study. In *XXVII International*

EPR seminar, April 3-5, 2017, Dresden, Germany : Programme and Abstracts. 1. vyd. Dresden : Leibniz Institute for Solid State and Materials Research, 2017, S. 12.

Other Publications

MICHALÍK, Martin - ŠKORŇA, Peter - LUKEŠ, Vladimír - KLEIN, Erik. Acidic and alkaline bimolecular hydrolysis of substituted formamides. Computational analysis and modelling of substitution effects. In *Acta Chimica Slovaca*. Vol. 10, no. 1 (2017), s. 35-40. ISSN 1337-978X. V databáze: DOI: 10.1515/acs-2017-0006.