

International research papers: 2013-2018

2013

MEDVEĎ, Miroslav - JACQUEMIN, Denis. Tuning the NLO properties of polymethineimine chains by chemical substitution. In *Chemical Physics*. - Elsevier B.V.; Amsterdam, 2013. ISSN 0301-0104, 2013, vol. 415, pp. 196-206.

MELICOVÁ, Zuzana - HROMADA, Ladislav. Adsorption of Pb²⁺ and Cu²⁺ ions from aqueous solutions on natural bentonite. In *Polish Journal of Environmental Studies*. - Olsztyn HARD Publishing Company, 2013. ISSN 1230-1485, 2013, vol. 22, no. 2, pp. 457-464.

ILIAŠ, Miroslav - JENSEN, Hans Jorgen Aagaard - BAST, Radovan - SAUE, Trond. Gauge origin independent calculations of molecular magnetisabilities in relativistic four-component theory. In *Molecular Physics : an international journal at the interface between chemistry and physics*. - London : Taylor & Francis, 2013. ISSN 0026-8976, 2013, vol. 111, no. 9-11, pp. 1373-1381.

SUPURAN, Claudiu T. - MARESCA, Alfonso - GREGÁŇ, Fridrich - REMKO, Milan. Three new aromatic sulfonamide inhibitors of carbonic anhydrases I, II, IV and XII. In *Journal of enzyme inhibition and medicinal chemistry*. - London : Informa Healthcare, 2013. ISSN 1475-6366, 2013, vol. 28, no. 2, pp. 289-293.

TOMAŠKIN, Ján - TOMAŠKINOVÁ, Judita - KMETOVÁ, Jarmila - DRIMAL, Marek. The concentration of heavy metals in grassland ecosystems of the Central Slovakia national parks. In *Carpathian Journal of Earth and Environmental Sciences*. - Baia Mare : North University of Baia Mare, Faculty of Mineral Resources and Environment, 2013. ISSN 1842-4090, 2013, roč. 8, č. 4, s. 35-40.

MACH, Pavel - JUHÁSZ, György - KYSEL' Ondrej. Theoretical study of electronic absorptions in aminopyridines - TCNE CT complexes by quantum chemical methods, including solvent. In *Journal of molecular modeling*. - New York : Springer, 2013. ISSN 1610-2940, 2013, vol. 19, no. 11, pp. 4639-4650.

NAGYOVÁ, Iveta - MELICOVÁ, Zuzana - KOMADELOVÁ, Terézia - BOHÁČ, Peter - ANDRÁŠ, Peter. Environmental assessment of impacts by old copper mining activities - a case study at Špania dolina Starohorské Mts., Slovakia. In *Carpathian Journal of Earth and Environmental Sciences*. - Baia Mare : North University Baia Mare, 2013. ISSN 1842-4090, 2013, vol. 8, no. 4, pp. 101-108.

2014

SUDOLSKÁ, Mária - CANTREL, Laurent - BUDZÁK, Šimon - ČERNUŠÁK, Ivan. Molecular structures and thermodynamic properties of monohydrated gaseous iodine compounds: Modelling for severe accident simulation. In *Journal of nuclear materials*. - Amsterdam : Elsevier B.V., 2014. ISSN 0022-3115, March 2014, vol. 446, no. 1-3, pp. 73-80.

MACH, Pavel - BUDZÁK, Šimon - JUHÁSZ, György - MEDVEĎ, Miroslav - KYSEL, Ondrej. Theoretical study (CC2, DFTand PCM) of charge transfer complexes between antithyroid thioamides and TCNE: electronic CT transitions. In *Journal of molecular modeling*. - New York : Springer, 2014. ISSN 1610-2940, 2014, vol. 20, no. 6, pp. 2312-2312

REMKO, Milan - HERICH, Peter - GREGÁŇ, Fridrich - KOŽÍŠEK, Jozef. Structure, acidity and basicity of a benzene disulfonamide inhibitor of carbonic anhydrase. In *Journal of molecular structure*. - Amsterdam : Elsevier science, 2014. ISSN 0022-2860, vol. 1059, pp. 124-131.

LINTNEROVÁ, Lucia - GARCIA-CABALLERO, Melissa - GREGÁŇ, Fridrich - MELICHERČÍK, Milan - QUESADA, Ana R. - DOBIAŠ, Juraj - LÁC, Ján - SALIŠOVÁ, Marta - BOHÁČ, Andrej. A development of chimeric VEGFR2 TK inhibitor based on two ligand conformers from PDB: 1Y6A complex - Medicinal chemistry consequences of a TKs analysis. In *European journal of medicinal chemistry*. - Paris : Elsevier, 2014. ISSN 0223-5234, vol. 72, pp. 146-159.

BUDZÁK, Šimon - MEDVEĎ, Miroslav - MENNUCCI, Benedetta - JACQUEMIN, Denis. Unveiling solvents effect on excited-state polarizabilities with the corrected linear-response model. In *Journal of physical chemistry A*. - Washington : American chemical society, 2014. ISSN 1089-5639, 2014, vol. 118, no. 30, pp. 5652-5656.

PERSHINA, Valeria - BORSCHEVSKY, Anastasia - ILIAŠ, Miroslav - TÜRLER, A. Theoretical predictions of properties and volatility of chlorides and oxychlorides of group-4 elements. II. Adsorption of tetrachlorides and oxydichlorides of Zr, Hf, and Rf on neutral and modified surfaces. In *Journal of chemical physics*. - Melville : American institute of physics, 2014. ISSN 0021-9606, 2014, vol. 141, no. 6, pp. 064315-064315 [1-7].

PERSHINA, Valeria - BORSCHEVSKY, Anastasia - ILIAŠ, Miroslav. Theoretical predictions of properties and volatility of chlorides and oxychlorides of group-4 elements. I. Electronic structures and properties of MCl_4 and $MOCl_2$ ($M = Ti, Zr, Hf, and Rf$). In *Journal of chemical physics*. - Melville : American institute of physics, 2014. ISSN 0021-9606, 2014, vol. 141, no. 6, pp. 064314-064314 [1-8].

GREGÁŇ, Fridrich - GREGÁŇ, Juraj - SKORŠEPA, Marek. Local anesthetic activity of mixtures of cis-and trans-(2-dimethylaminomethylcycloheptyl)-2-alkoxyphenylcarbamates. In *Pharmazie*. - Eschborn : Govi-Verlag, Pharmazeutscher Verlag, 2014. ISSN 0031-7144, 2014, vol. 69, no. 9, pp. 685-687.

ILIAŠ, Miroslav - DOBRUCKÝ, Miroslav. Grid computing with relativistic quantum chemistry software. Case study of code adaptation and effective deployment. In *Journal of grid computing*. - Dordrecht : Springer, 2014. ISSN 1570-7873, 2014, vol. 12, no. 4, pp. 681-690.

BUDZÁK, Šimon - CARBONNIERE, Philippe - MEDVEĎ, Miroslav - ČERNUŠÁK, Ivan. Weakly interacting molecular clusters of CO with H₂O, SO₂, and NO+. In *Molecular Physics*. - Abingdon : Taylor & Francis, 2014. ISSN 0026-8976, 2014, roč. 112, č. 24, s. 3225-3236.

CHIBANI, Siwar - BUDZÁK, Šimon - MEDVEĎ, Miroslav - MENNUCCI, Benedetta - JACQUEMIN, Denis. Full cLR-PCM calculations of the solvatochromic effects on emission energies. In *Physical Chemistry Chemical Physics*. - Cambridge : Royal society of chemistry, 2014. ISSN 1463-9076, 2014, vol. 16, no. 47, 99. 26024-26029.

MELICOVÁ, Zuzana - HROMADA, Ladislav - LUPTÁKOVÁ, Andrea. Removal of Pb²⁺ ions from aqueous solutions by Slovak bentonites. In *Revue Roumaine de chimie*. - Bucuresti : Aditura Acad Romane, 2014. ISSN 0035-3930, 2014, vol. 59, no. 3-4, pp. 165-171.

2015

BUDZÁK, Šimon - MACH, Pavel - JUHÁSZ, György - MEDVEĎ, Miroslav - KYSEL', Ondrej. Theoretical study of charge transfer complexes between antithyroid thioamides and TCNE: Thermodynamics of the complex formation. In *Computational and theoretical chemistry*. - Amsterdam : Elsevier science, 2015. ISSN 2210-271X, 2015, vol. 1051, pp. 129-136.

MELICOVÁ, Zuzana - L'UPTÁKOVÁ, Andrea. Removing lead from aqueous solutions using different low-cost abundant adsorbents. In *Desalination and water treatment*. - Philadelphia : Taylor & Francis, 2016. ISSN 1944-3986, 2016, vol. 57, no. 11, pp. 5025-5034.

MEDVEĎ, Miroslav - BUDZÁK, Šimon - PLUTA, Tadeusz. Electric properties of the low-lying excited states of benzonitrile: geometry relaxation and solvent effects. In *Theoretical Chemistry Accounts*. - New York : Springer, 2015. ISSN 1432-881X, 2015, vol. 134, no. 6, pp. [1-14].

BUDZÁK, Šimon - MACH, Pavel - MEDVEĎ, Miroslav - KYSEL', Ondrej. Critical analysis of spectral solvent shifts calculated by the contemporary PCM approaches of a representative series of charge-transfer complexes between tetracyanoethylene and methylated benzenes. In *Physical chemistry chemical physics*. - Cambridge : The Royal Society of Chemistry, 2015. ISSN 1463-9084, 2015, vol. 17, no. 27, pp. 17618-17627.

ŠERŠEŇ, František - GREGÁŇ, Fridrich - PEŠKO, Matúš - DVORANOVÁ, Dana - KRÁĽOVÁ, Katarína - MATKOVIČOVÁ, Zuzana - GREGÁŇ, Juraj - DONOVALOVÁ, Jana. Synthesis and herbicidal activity of new hydrazide and hydrazoneoyl derivatives. In *Molecules*. - Basel : [s. n.], 2015. ISSN 1420-3049, 2015, online, vol. 20, pp. 14139-14154.

TODOROVA, Teodora - PESHEVA, Margarita - GREGÁŇ, Fridrich - CHANKOVA, Stephka. Antioxidant, antimutagenic, and anticarcinogenic effects of papaver rhoes l. extract on saccharomyces cerevisiae. In *Journal of medicinal food*. - New York : Mary Ann Liebert, 2015. ISSN 1096-620X, 2015, vol.18, no. 4, pp. 460-467.

MEDVEĎ, Miroslav - BUDZÁK, Šimon - LAURENT, Adéle D. - JACQUEMIN, Denis. Direct and indirect effects of dispersion interactions on the electric properties of weakly bound complexes. In *Journal of Physical Chemistry A*. - Washington : American Chemical Society, 2015. ISSN 1089-5639, 2015, vol. 119, no. 12, pp. 3112-3124.

ZALEŚNY, Robert - BARANOWSKA-LACZKOWSKA, Angelika - MEDVEĎ, Miroslav - LUIS, Josep M. Comparison of property-oriented basis sets for the computation of electronic and nuclear relaxation hyperpolarizabilities. In *Journal of Chemical Theory nad Computation*. - Washington, DC : American Chemical Society, 2015. ISSN 1549-9618, 2015, vol. 11, no. 9, pp. 4119-4128.

LIST HOLMGAARD, Nanna - ZALEŚNY, Robert - MURUGAN, N. Arul - KONGSTED, Jacob - BARTKOWIAK, Wojciech - ÅGREN, Hans. Relation between nonlinear optical properties of push-pull molecules and metric of charge transfer excitations. In *Journal of Chemical Theory and Computation*. - Washington, DC : America Chemical Society, 2015. ISSN 1549-9618, 2015, vol. 11, no. 9, s. 4182-4188.

ZALEŚNY, Robert - GÓRA, Robert W. - LUIS, Josep M. - BARTKOWIAK, Wojciech. On the particular importance of vibrational contributions to the static electrical properties of model linear molecules under spatial confinement. In *Physical Chemistry Chemical Physics*. - Cambridge : Royal Society of Chemistry, 2015. ISSN 1463-9084, 2015, vol. 17, pp. 21782-21786.

2016

KOTORA, Peter - ŠERŠEŇ, František - FILO, Juraj - LOOS, Dušan - GREGÁŇ, Juraj - GREGÁŇ, Fridrich. The scavenging of DPPH, galvinoxyl and ABTS radicals by imine analogs of resveratrol. In *Molecules* - Basel, Switzerland : MDPI AG, 2016. ISSN 1420-3049, 2016, vol. 21, no. 1, pp. 1-13.

MEDVEĎ, Miroslav - BUDZÁK, Šimon - BARTKOWIAK, Wojciech - REIS, Heribert. Solvent effects on molecular electric properties. In *Handbook of Computational Chemistry*. 1. vyd. - Dordrecht : Springer Netherlands, 2016. ISBN 978-94-007-6169-8, pp. 1-54

LAURENT, Adéle D. - MEDVEĎ, Miroslav - JACQUEMIN, Denis. Using time-dependent density functional theory to probe the nature of donor-acceptor stenhouse adduct photochromes. In *ChemPhysChem*. - Weinheim : Wiley-VCH Verlag, 2016. ISSN 1439-7641, special issue SI, vol. 17, no. 12,

BUDZÁK, Šimon - LAURENT, Adéle D. - LAURENCE, Christian - MEDVEĎ, Miroslav - JACQUEMIN, Denis. Solvatochromic shifts in UV-Vis absorption spectra: the challenging case of 4-nitropyridine N-oxide. In *Journal of chemical theory and computation*. - Washington : American chemical society, 2016. ISSN 1549-9618, 2016, vol. 12, no. 4, pp. 1919-1929.

AZARIAS, Cloe - BUDZÁK, Šimon - LAURENT, Adéle D. - ULRICH, Gilles - JACQUEMIN, Denis. Tuning ESIPT fluorophores into dual emitters. In *Chemical Science*. - Cambridge : Royal soc chemistry, Thomas Graham House, 2016. ISSN 2041-6539, 2016, vol. 7, no. 6, pp. 3763-3774.

BUDZÁK, Šimon - JACQUEMIN, Denis. Mechanism of fluorescence switching in one ESIPT- based Al³⁺ probe. In *Journal of physical chemistry B*. - Washington, DC : American chemical society, 2016. ISSN 1520-5207, 2016, vol. 120, no. 27, pp. 6730-6738.

JĘDRZEJEWSKA, Beata - ZAKRZEWSKA, Anna - MŁOSTOŃ, Grzegorz - BUDZÁK, Šimon - MROCZYŃSKA, Karina - GRABARZ, Anna M. - KACZOROWSKA, Małgorzata A. - JACQUEMIN, Denis - OŚMIAŁOWSKI, Borys. Synthesis and photophysical properties of novel donor-acceptor N-(pyridin-2-yl)-substituted benzo(thio)amides and their difluoroboranyl derivatives. In *Journal of Physical Chemistry A*. - Washington, DC : American Chemical Society, 2016. ISSN 1089-5639, 2016, vol. 120, no. 24, pp. 4116-4123.

JĘDRZEJEWSKA, Beata - OŚMIAŁOWSKI, Borys - ZALEŚNY, Robert. Application of spectroscopic and theoretical methods in the studies of photoisomerization and photophysical properties of the push-pull styryl-benzimidazole dyes. In *Photochemical & photobiological sciences*. - Cambridge : Royal soc chemistry, Thomas Graham House, 2016. ISSN 1474-905X, 2016, vol. 15, no. 1, pp. 117-128.

ZALEŚNY, Robert - MURUGAN, N. Arul - TIAN, Guangjun - MEDVEĎ, Miroslav - ÅREN, Hans. First-principles simulations of one- and two-photon absorption band shapes of the bis(BF₂) core complex. In *Journal of physical chemistry B*. - Washington : American chemical society, 2016. ISSN 1520-6106, 2016, vol. 120, no. 9, pp. 2323-2332.

ZALEŚNY, Robert - GARCIA-BORRÀS, Marc - GÓRA, Robert W. - MEDVEĎ, Miroslav - LUIS, Josep M. On the physical origins of interaction-induced vibrational (hyper)polarizabilities. In *Physical Chemistry - Chemical physics*. - Cambridge : Royal society of chemistry, 2016. ISSN 1463-9076, 2016, vol. 18, no. 32, pp. 22467-22477.

BUDZÁK, Šimon - CHARAF-EDDIN, Azzam - MEDVEĎ, Miroslav - GRYKO, Daniel T. - JACQUEMIN, Denis. Optical properties of V-shaped bis-coumarins: Ab initio insights. In *Computational and theoretical chemistry*. - Amsterdam : Elsevier, 2016. ISSN 2210-271X, 2016, vol. 1076, pp. 57-64.

KOZLÍK, Petr - TIRČOVÁ, Barbora. Development of the fast, simple and fully validated high performance liquid chromatographic method with diode array detector for quantification of testosterone esters in an oil-based injectable dosage form. In *Steroids*. - New York : Elsevier science, 2016. ISSN 0039-128X, 2016, vol. 115, pp. 34-39.

2017

ILIAŠ, Miroslav - PERSHINA, Valeria. Hexacarbonyls of Mo, W, and Sg: metal-CO bonding revisited. In *Inorganic chemistry*. - Washington : American chemical society, 2017. ISSN 0020-1669, 2017, vol. 56, no. 3, pp. 1638-1645.

PETRA, Lukáš - BILLIK, Peter - MELICOVÁ, Zuzana - KOMADEL, Peter. Mechanochemically activated saponite as materials for Cu²⁺ and Ni²⁺ removal from aqueous solutions. In *Applied clay science* - Amsterdam : Elsevier Science, 2017. ISSN 0169-1317, 2017, online, vol. 143, pp. 22-28.

PERSHINA, Valeria - ILIAŠ, Miroslav. Penta- and tetracarbonyls of Ru, Os, and Hs: electronic structure, bonding, and volatility. In *Journal of chemical physics*. - Melville : American Institute of Physics, 2017. ISSN 0021-9606, 2017, vol. 146, no. 18, art. no. 184306.

TRAVIESO-PUENTE, Raquel - BUDZÁK, Šimon - CHEN, Juan - STACKO, Peter - JASTRZEBSKI, Johann T. B. H. - JACQUEMIN, Denis - OTTEN, Edwin. Arylazoindazole photoswitches : facile synthesis and functionalization via SNAr substitution. In *Journal of the American Chemical Society*. - Washington : American Chemical Society, 2017. ISSN 0002-7863, 2017, vol. 139, no. 9, pp. 3328-3331.

BUDZÁK, Šimon - JAUNET-LAHARY, Titouan - LAURENT, Adéle D. - LAURENCE, Christian - MEDVEĎ, Miroslav - JACQUEMIN, Denis. Exploring the solvatochromism of betaine 30 with ab initio tools : from accurate gas-phase calculations to implicit and explicit solvation models. In *Chemistry : a European Journal*. - Weinheim : Wiley - VCH Verlag, 2017. ISSN 1521-3765, 2017, vol. 23, no. 17, pp. 4108-4119.

HEYER, Elodie - BENELHADJ, Karima - BUDZÁK, Šimon - JACQUEMIN, Denis - MASSUE, Julien - ULRICH, Gilles. On the fine-tuning of the excited-state intramolecular proton transfer (ESIPT) process in 2-(2'-hydroxybenzofuran)benzazole (HBBX) dyes. In *Chemistry - A European Journal.* - Weinheim : Wiley-VCH Verlag, 2017. ISSN 0947-6539, 2017, vol. 23, no. 30, pp. 7324-7336.

AZARIAS, Cloe - HABERT, Chloé - BUDZÁK, Šimon - BLASE, Xavier - DUCHEMIN, Ivan - JACQUEMIN, Denis. Calculations of $n \rightarrow \pi^*$ Transition Energies : comparisons between TDDFT, ADC, CC, CASPT2, and BSE/GW descriptions. In *Journal of Physical Chemistry A.* - Washington : American Chemical Society, 2017. ISSN 1089-5639, 2017, vol. 121, no. 32, pp. 6122-6134.

ŠERŠEŇ, František - GREGÁŇ, Fridrich - KOTORA, Peter - KMEŤOVÁ, Jarmila - FILO, Juraj - LOOS, Dušan - GREGÁŇ, Juraj. Synthesis and free radical scavenging activity of new hydroxybenzylidene hydrazines. In *Molecules.* - Basel : MDPI, 2017. ISSN 1420-3049, 2017, vol. 22, no. 6, pp. 1-11.

BUDZÁK, Šimon - SCALMANI, Giovanni - JACQUEMIN, Denis. Accurate excited-state geometries: a CASPT2 and coupled-cluster reference database for small molecules. In *Journal of chemical theory and computation.* - Washington : American Chemical Society, 2017. ISSN 1549-9618, 2017, vol. 13, no. 12, pp. 6237-6252.

MEDVEĎ, Miroslav - DEMISSIE, Taye B. - MCKEE, Michael M. - HNYK, Drahomír. The behavior of a paramagnetic system in electric and magnetic fields as exemplified by revisiting Li@B10H14. In *Physical Chemistry Chemical Physics.* - Cambridge : Royal Society of Chemistry, 2017. ISSN 1463-9084, 2017, vol. 19, s. 12229-12236.

DI DONATO, Mariangela - LERCH, Michael M. - LAPINI, Andrea - LAURENT, Adéle D. - IAGATTI, Alessandro - BUSSOTTI, Laura - IHRIG, Svante P. - MEDVEĎ, Miroslav - JACQUEMIN, Denis - SZYMAŃSKI, Wiktor - BUMA, Wybren Jan - FOGGI, Paolo - FERINGA, Ben L. Shedding light on the photoisomerization pathway of donor-acceptor Stenhouse adducts. In *Journal of the American Chemical Society.* - Washington : American Chemical Society, 2017. ISSN 0002-7863, 2017, vol. 139, no. 44, pp. 15596-15599.

BEDNARSKA, Joanna - ZALEŚNY, Robert - BARTKOWIAK, Wojciech - OŚMIAŁOWSKI, Borys - MEDVEĎ, Miroslav - JACQUEMIN, Denis. Quantifying the performances of DFT for predicting vibrationally resolved optical spectra: asymmetric fluoroborate dyes as working examples. In *Journal of chemical theory and computation.* - Washington : American Chemical Society, 2017. ISSN 1549-9618, 2017, vol. 13, no. 9, pp. 4347-4356.

TIRČOVÁ, Barbora - KOZLÍK, Petr. HILIC-MS/MS method for analysis of ephedrine in internet-available drugs. In *Chromatographia.* - Heidelberg : Springer, 2017. ISSN 1612-1112, 2017, online, vol. 80, pp. 523-528.

2018

PERSHINA, Valeria - ILIAŠ, Miroslav. Electronic structure and properties of MAu and MOH, where M = Tl and Nh: New data. In *Chemical Physics Letters*. - Amsterdam : Elsevier Science, 2018. ISSN 0009-2614, 2018, vol. 694, pp. 107-111.

HAO, Yongliang - ILIAŠ, Miroslav - ELIAV, Ephraim - SCHWERDTFEGER, Peter - FLAMBAUM, V. V. - BORSCHEVSKY, Anastasia. Nuclear anapole moment interaction in BaF from relativistic coupled-cluster theory. In *Physical review A : covering atomic, molecular, and optical physics and quantum information*. - Maryland : American Physical Society, 2018. ISSN 2469-9926, 2018, vol. 98, no. 3, art. no. 032510.

GURKE, Johannes - BUDZÁK, Šimon - SCHMIDT, Bernd M. - JACQUEMIN, Denis - HECHT, Stefan. Efficient light-induced pK(a) modulation coupled to base-catalyzed photochromism. In *Angewandte chemie*. - Weinheim : WILEY-VCH Verlag, 2018. ISSN 1433-7851, 2018, vol. 57, no. 17, pp. 4797-4801.

BUDZÁK, Šimon - JACQUEMIN, Denis. Excited state intramolecular proton transfer in julolidine derivatives: an ab initio study. In *Physical Chemistry Chemical Physics*. - London : Royal Society of Chemistry, 2018. ISSN 1463-9076, 2018, vol. 20, no. 38, pp. 25031-25038.

FERENC, Štefan - BIROŇ, Adrián - MIKUŠ, Tomáš - SPIŠIAK, Ján - BUDZÁK, Šimon. Initial replacement stage of primary uranium (UIV) minerals by supergene alteration: association of uranyl-oxide hydroxy-hydrates and "calciolepersonnite" from the Krátka Dolina Valley (Gemerská Poloma, Gmeric Unit, Western Carpathians, Slovakia). In *Journal of Geosciences*. - Praha : Česká geologická spoločnosť, 2018. ISSN 1802-6222, 2018, vol. 63, no. 3, pp. 277-291.

PERSHINA, Valeria - ILIAŠ, Miroslav. Carbonyl compounds of Tc, Re, and Bh: Electronic structure, bonding, and volatility. In *The journal of chemical physics*. - New York : AIP Publishing, 2018. ISSN 0021-9606, 2018, vol. 149, no. 20, 204306, pp. 1-13.

BUCCHERI, Giuseppe - ANDRÁŠ, Peter - VAJDA, Emery - MIDULA, Pavol - MELICOVÁ, Zuzana - DIRNER, Vojtech. Soil contamination by heavy metals at Libiola abandoned copper mine, Italy. In *Acta Montanistica Slovaca*. - Košice : Technická univerzita v Košiciach, 2018. ISSN 1335-1788, 2018, roč. 23, č. 3, s. 337-345.