

Most important publications in 2016

ADRJAN, B. - MAKULSKI, W. - JACKOWSKI, K. - DEMISSIE, T. B. - RUUD, K. - ANTUŠEK, Andrej - JASZUNSKI, Michal. NMR absolute shielding scale and nuclear magnetic dipole moment of ^{207}Pb . In *Physical Chemistry Chemical Physics*. Vol. 18, iss. 24 (2016), s. 16483-16490. ISSN 1463-9076. V databáze: SCOPUS: DOI: 10.1039/c6cp01781a ; WOS: CCC:000381056500050 ; MLJ.

ANTUŠEK, Andrej - ŠULKA, Martin. Ab initio calculations of NMR shielding of Sc^{3+} , Y^{3+} and La^{3+} ions in the water solution and ^{45}Sc , ^{89}Y , ^{138}La and ^{139}La nuclear magnetic dipole moments. In *Chemical Physics Letters*. Vol. 660, (2016), s. 127-131. ISSN 0009-2614. V databáze: DOI: <http://dx.doi.org/10.1016/j.cplett.2016.08.002> ; SCOPUS ; WOS ; MLJ: CCC:000384787600023.

BOŠÁK, Ondrej - MINÁRIK, Stanislav - LABAŠ, Vladimír - ANČIKOVÁ, Z. - KOŠTIAL, Pavel - ZIMNÝ, A. - KUBLIHA, M. - POULAIN, Marcel - SOLTANI, M.T. Artificial neural network analysis of optical measurements of glasses based on Sb_2O_3 . In *Journal of Optoelectronics and Advanced Materials*. Vol. 18, iss. 3-4 (2016), s. 240-247. ISSN 1454-4164. V databáze: WOS ; SCOPUS ; MLJ: CCC:000375964800009.

DEMOVIČ, Lukáš - KELLÖ, Vladimír - URBAN, Miroslav. Role of relativity in energy pattern of low-lying terms of Fe, Ru and Os. In *Computational and Theoretical Chemistry*. Vol. 1084, (2016), s. 157-161. ISSN 2210-271X. V databáze: DOI: doi:10.1016/j.comptc.2016.03.031 ; SCOPUS ; MLJ: 000375161200019 ; WOS.

DOBROTKA, Andrej - NESS, Jan-Uwe - BAJČIČÁKOVÁ, Ingrida. Fast stochastic variability study of two SU UMa systems V1504 Cyg and V344 Lyr observed by Kepler satellite. In *Monthly Notices of the Royal Astronomical Society*. Vol. 460, iss. 1 (2016), s. 458-466. ISSN 0035-8711. V databáze: SCOPUS: DOI: 10.1093/mnras/stw1001 ; WOS ; MLJ: CCC:000379835200033.

JASZUNSKI, Michal - ANTUŠEK, Andrej - DEMISSIE, T. B. - KOMOROVSKY, Stanislav - REPISKY, M. - RUUD, K. Indirect NMR spin-spin coupling constants in diatomic alkali halides. In *Journal of Chemical Physics*. Vol. 145, iss. 24 (2016), article number

244308. ISSN 0021-9606. V databáze: DOI: DOI: 10.1063/1.4972892 ; SCOPUS ; WOS ; MLJ: CCC:000392174800025.

RAJSKÝ, Tomáš - URBAN, Miroslav. Aun (n = 1,11) Clusters Interacting With Lone-Pair Ligands. In *Journal of Physical Chemistry A*. Vol. 120, iss. 22 (2016), s. 3938-3949. ISSN 1089-5639 (P). V databáze: DOI: DOI: 10.1021/acs.jpca.6b01235 ; WOS: CCC:000377842700013.