Jacek Michalski

List of Publications by Year
in descending order

15 papers	133 citations	1163117 8 h-index	1199594 12 g-index
15 all docs	15 docs citations	15 times ranked	87 citing authors

#	Article	IF	Citations
1	Physicochemical Characterization of the Loganic Acidâ€“IR, Raman, UV-Vis and Luminescence Spectra Analyzed in Terms of Quantum Chemical DFT Approach. Molecules, 2021, 26, 7027.	3.8	0
2	Synthesis, Characterization, and Biological Investigation of Alanine-Based Sulfonamide Derivative: FT-IR, 1H NMR Spectra: MEP, HOMOâ€“LUMO Analysis, and Molecular Docking. Russian Journal of Physical Chemistry A, 2019, 93, 1285-1296.	0.6	0
3	Conformation of the azo bond and its influence on the molecular and crystal structures, IR and Raman spectra, and electron properties of 6-methyl-3,5-dinitro-2-[(E)-phenyldiazenyl]pyridine â€“ Quantum chemical DFT calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 191, 521-531.	3.9	7
4	Excited states of selected hydrazo-compounds on the example of 5-nitro-2-(2-phenylhydrazinyl)pyridine and its 3-, 4- or 6-methyl isomers. Journal of Molecular Structure, 2016, 1123, 80-91.	3.6	2
5	Structure, vibrational spectra and DFT characterization of the intra- and inter-molecular interactions in 2-hydroxy-5-methylpyridine-3-carboxylic acid â€“ Normal modes of the eight-membered HB ring. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 120, 304-313.	3.9	8
6	Intra- and inter-molecular hydrogen bonds, conformation and vibrational characteristics of hydrazo-group in 5-nitro-2-(2-phenylhydrazinyl)pyridine and its 3-, 4- or 6-methyl isomers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 112, 263-275.	3.9	12
7	Vibrational spectra, crystal structure, DFT quantum chemical calculations and conformation of the hydrazo â€“ bond in 6-methyl-3-nitro-2-(2-phenylhydrazinyl)pyridine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 107, 317-325.	3.9	10
8	Experimental and simulated 1H and 13C NMR spectra (GIAO/DFT approach) and molecular and crystal structures of dimethyl-dinitro-azo- and dimethyl-dinitro-hydrazo-pyridines. Journal of Molecular Structure, 2011, 1004, 156-162.	3.6	13
9	Molecular structure, IR and Raman spectra as well as DFT chemical calculations for alkylaminoacetylureas: vibrational characteristics of dicarbonylimide bridge. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 64, 34-46.	3.9	2
10	Crystal structure, vibrational and NMR studies and chemical quantum calculations of 2-phenylazo-5-nitro-6-methyl-pyridine (C12H10N4O2). Journal of Molecular Structure, 2005, 744-747, 377-392.	3.6	17
11	Spontaneous and stimulated Raman scattering and infrared spectra of benzil(C14H10O2) crystal: promoting modes of the stimulated effect, anharmonicity and scaling factors of fundamental vibrations. Journal of Raman Spectroscopy, 2004, 35, 224-235.	2.5	4
12	Polarized Raman and infrared spectra of the salol crystalâ€”chemical quantum calculations of the vibrational normal modes. Vibrational Spectroscopy, 2004, 34, 253-268.	2.2	18
13	Crystal structure and polarized vibrational spectra of 2-bromo-4-nitropyridineN-oxide single crystal. Journal of Raman Spectroscopy, 2002, 33, 229-237.	2.5	16
14	Excited electronic states of 2-ethylamino-(3 or 5-methyl)-4-nitropyridine. Journal of Molecular Structure, 2002, 614, 257-266.	3.6	10
15	Structural and vibrational data obtained from experimental (X-ray, IR and Raman) and AM1, PM3 and MNDO semi-empirical methods for orthometa and para nitraminopyridine N-oxides. Journal of Molecular Structure, 2001, 596, 109-121.	3.6	14