

Jacek Michalski

List of Publications by Year in descending order

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