

Katarzyna Chruszcz-Lipska

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Probing the stereochemical structure of carenes using Raman and Raman optical activity spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 276, 121176.	3.9	2
2	Reuse of Flowback Water from Hydraulic Fracturing for Drilling Mud Preparation and Secondary Hydrocarbon Recovery. <i>Energies</i> , 2021, 14, 5921.	3.1	4
3	IR spectroscopy as a fast method of determining carbonate content in the Sarmatian "Badenian sandstone reservoirs: A case study from the Carpathian Foredeep (Poland). <i>Geologica Carpathica</i> , 2021, 72, .	0.7	0
4	Agresywność korozyjna wód podziemnych w województwie małopolskim. <i>Przemysł Chemiczny</i> , 2019, 1, 126-129.	0.0	0
5	Występowanie jodu oraz bromu w solankach monokliny przedsudeckiej. <i>Przemysł Chemiczny</i> , 2018, 1, 100-103.	0.0	0
6	Wpływ składowiska odpadów chemicznych na zanieczyszczenie wód podziemnych. <i>Przemysł Chemiczny</i> , 2018, 1, 82-84.	0.0	0
7	Molecular structure and vibrational spectra of 2,2,4,4,6-pentabromodiphenyl ether (BDE 100). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 182, 50-57.	3.9	3
8	Vibrational Raman optical activity of bicyclic terpenes: comparison between experimental and calculated vibrational Raman, Raman optical activity, and dimensionless circular intensity difference spectra and their similarity analysis. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 305-313.	2.5	12
9	Hydrogeochemical Aspects Associated with the Mixing of Formation Waters Injected Into the Hydrocarbon Reservoir. <i>Gospodarka Surowcami Mineralnymi / Mineral Resources Management</i> , 2017, 33, 69-80.	0.2	3
10	Brine of the Fore-Sudetic Monocline as a source of magnesium Solanki monokliny przedsudeckiej jako Źródło magnezu. <i>Przemysł Chemiczny</i> , 2017, 1, 66-69.	0.0	0
11	Synthesis and the crystal structure of dimeric 1-hydroxyhexane-2,3-dione and the spectral characteristics of a model acireductone. <i>New Journal of Chemistry</i> , 2016, 40, 9291-9303.	2.8	1
12	Vibrational analysis of cinchona alkaloids in the solid state and aqueous solutions. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 1041-1052.	2.5	8
13	Raman microimaging of murine lungs: insight into the vitamin A content. <i>Analyst, The</i> , 2015, 140, 2171-2177.	3.5	18
14	($\hat{\alpha}$) Mevalonolactone Studied by ROA and SERS Spectroscopy. <i>Chirality</i> , 2014, 26, 453-461.	2.6	4
15	Raman Optical Activity of Biological Samples. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2014, , 61-81.	0.6	3
16	Bisignate resonance Raman optical activity: a pseudo breakdown of the single electronic state model of RROA?. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 859-862.	2.5	17
17	Pathological changes in the biochemical profile of the liver in atherosclerosis and diabetes assessed by Raman spectroscopy. <i>Analyst, The</i> , 2013, 138, 3885.	3.5	45
18	Raman optical activity of cinchona alkaloids. <i>Biomedical Spectroscopy and Imaging</i> , 2013, 2, 359-365.	1.2	1

#	ARTICLE	IF	CITATIONS
19	Experimental (FT-IR and FT-RS) and theoretical (QC-DFT) studies of vibrational modes and molecular structure of new low-temperature phases of [Ru(NH ₃) ₆](BF ₄) ₃ and [Ru(NH ₃) ₆](ClO ₄) ₃ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 132-141.	3.9	4
20	Tobacco alkaloids analyzed by Raman spectroscopy and DFT calculations. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1065-1073.	2.5	27
21	<i>In situ</i> analysis of chiral components of pichtae essential oil by means of ROA spectroscopy: experimental and theoretical Raman and ROA spectra of bornyl acetate. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 286-293.	2.5	10
22	Phosphonic drugs: Experimental and theoretical spectroscopic studies of fosfomycin. <i>Journal of Molecular Structure</i> , 2011, 986, 49-56.	3.6	12
23	Raman optical activity: a powerful technique to investigate essential oil components. <i>Natural Product Communications</i> , 2010, 5, 1417-20.	0.5	5
24	The sequence of deprotonation of pyridine-6-phospho-4-carboxylic acid. <i>Computational and Theoretical Chemistry</i> , 2009, 905, 81-85.	1.5	1
25	Vibrational study of calcium salt of pyridine-2-phospho-4-carboxylic acid. <i>Chemical Physics Letters</i> , 2008, 451, 127-131.	2.6	1
26	¹ H and ¹³ C NMR spectroscopy of structural isomers of pyridinephosphonic acids. <i>Journal of Molecular Structure</i> , 2008, 876, 278-287.	3.6	2
27	FT-Raman study of (hydroxypyridin-3-yl-methyl)phosphonic acid with varying pH. <i>Vibrational Spectroscopy</i> , 2004, 35, 233-237.	2.2	5
28	Experimental and calculated ¹ H, ¹³ C and ³¹ P NMR spectra of (hydroxypyridin-3-yl-methyl)phosphonic acid. <i>Journal of Molecular Structure</i> , 2003, 651-653, 729-737.	3.6	10
29	Experimental and calculated ¹ H, ¹³ C and ³¹ P NMR spectra of pyridine-2-phosphono-4-carboxylic acid. <i>Journal of Molecular Structure</i> , 2003, 648, 215-224.	3.6	17
30	Vibrational and structural analysis of (hydroxypyridin-3-yl-methyl)phosphonic acid. <i>Journal of Molecular Structure</i> , 2003, 658, 229-239.	3.6	1
31	FT-IR and FT-Raman study of selected pyridinephosphonocarboxylic acids. <i>Vibrational Spectroscopy</i> , 2003, 31, 295-311.	2.2	43
32	Single crystal structure and vibrational study of pyridinephosphonocarboxylic acid. <i>Vibrational Spectroscopy</i> , 2003, 32, 199-206.	2.2	10
33	Vibrational and quantum-chemical study of pH dependent molecular structures of (hydroxypyridin-4-yl-methyl)phosphonic acid. <i>Vibrational Spectroscopy</i> , 2003, 33, 83-92.	2.2	4