

# Katarzyna Chruszcz-Lipska

## List of Publications by Year in descending order

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33  
papers

277  
citations

1040056

9  
h-index

940533

16  
g-index

34  
all docs

34  
docs citations

34  
times ranked

384  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	FT-IR and FT-Raman study of selected pyridinephosphonocarboxylic acids. <i>Vibrational Spectroscopy</i> , 2003, 31, 295-311.	2.2	43
3	Tobacco alkaloids analyzed by Raman spectroscopy and DFT calculations. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1065-1073.	2.5	27
4	Raman microimaging of murine lungs: insight into the vitamin A content. <i>Analyst, The</i> , 2015, 140, 2171-2177.	3.5	18
5	Experimental and calculated <sup>1</sup> H, <sup>13</sup> C and <sup>31</sup> P NMR spectra of pyridine-2-phosphono-4-carboxylic acid. <i>Journal of Molecular Structure</i> , 2003, 648, 215-224.	3.6	17
6	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
7	Phosphonic drugs: Experimental and theoretical spectroscopic studies of fosfomycin. <i>Journal of Molecular Structure</i> , 2011, 986, 49-56.	3.6	12
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	Experimental and calculated <sup>1</sup> H, <sup>13</sup> C and <sup>31</sup> P NMR spectra of (hydroxypyridin-3-yl-methyl)phosphonic acid. <i>Journal of Molecular Structure</i> , 2003, 651-653, 729-737.	3.6	10
10	Single crystal structure and vibrational study of pyridinephosphonocarboxylic acid. <i>Vibrational Spectroscopy</i> , 2003, 32, 199-206.	2.2	10
11	<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
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	FT-Raman study of (hydroxypyridin-3-yl-methyl)phosphonic acid with varying pH. <i>Vibrational Spectroscopy</i> , 2004, 35, 233-237.	2.2	5
14	Raman optical activity: a powerful technique to investigate essential oil components. <i>Natural Product Communications</i> , 2010, 5, 1417-20.	0.5	5
15	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
16	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 <sub>3</sub> ) <sub>6</sub> ](BF <sub>4</sub> ) <sub>3</sub> and [Ru(NH <sub>3</sub> ) <sub>6</sub> ](ClO <sub>4</sub> ) <sub>3</sub> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 132-141.	3.9	4
17	( $\hat{\alpha}$ ) <sup>+</sup> Mevalonolactone Studied by ROA and SERS Spectroscopy. <i>Chirality</i> , 2014, 26, 453-461.	2.6	4
18	Reuse of Flowback Water from Hydraulic Fracturing for Drilling Mud Preparation and Secondary Hydrocarbon Recovery. <i>Energies</i> , 2021, 14, 5921.	3.1	4

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19	Raman Optical Activity of Biological Samples. Challenges and Advances in Computational Chemistry and Physics, 2014, , 61-81.	0.6	3
20	Molecular structure and vibrational spectra of 2,2,4,4,6-pentabromodiphenyl ether (BDE 100). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 182, 50-57.	3.9	3
21	Hydrogeochemical Aspects Associated with the Mixing of Formation Waters Injected Into the Hydrocarbon Reservoir. Gospodarka Surowcami Mineralnymi / Mineral Resources Management, 2017, 33, 69-80.	0.2	3
22	<sup>1</sup> H and <sup>13</sup> C NMR spectroscopy of structural isomers of pyridinephosphonic acids. Journal of Molecular Structure, 2008, 876, 278-287.	3.6	2
23	Probing the stereochemical structure of carenes using Raman and Raman optical activity spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 276, 121176.	3.9	2
24	Vibrational and structural analysis of (hydroxypyridin-3-yl-methyl)phosphonic acid. Journal of Molecular Structure, 2003, 658, 229-239.	3.6	1
25	Vibrational study of calcium salt of pyridine-2-phospho-4-carboxylic acid. Chemical Physics Letters, 2008, 451, 127-131.	2.6	1
26	The sequence of deprotonation of pyridine-6-phospho-4-carboxylic acid. Computational and Theoretical Chemistry, 2009, 905, 81-85.	1.5	1
27	Raman optical activity of cinchona alkaloids. Biomedical Spectroscopy and Imaging, 2013, 2, 359-365.	1.2	1
28	Synthesis and the crystal structure of dimeric 1-hydroxyhexane-2,3-dione and the spectral characteristics of a model acireductone. New Journal of Chemistry, 2016, 40, 9291-9303.	2.8	1
29	IR spectroscopy as a fast method of determining carbonate content in the Sarmatian "Badenian sandstone reservoirs: A case study from the Carpathian Foredeep (Poland). Geologica Carpathica, 2021, 72, .	0.7	0
30	Brine of the Fore-Sudetic Monocline as a source of magnesium Solanki monokliny przedsudeckiej jako Źródło magnezu. Przemysł Chemiczny, 2017, 1, 66-69.	0.0	0
31	Wyświetlanie jodu oraz bromu w solankach monokliny przedsudeckiej. Przemysł Chemiczny, 2018, 1, 100-103.	0.0	0
32	Wpływ składowiska odpadów chemicznych na zanieczyszczenie wód podziemnych. Przemysł Chemiczny, 2018, 1, 82-84.	0.0	0
33	Agresywność korozyjna wód podziemnych w województwie małopolskim. Przemysł Chemiczny, 2019, 1, 126-129.	0.0	0