

Maria M Ilczyszyn

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Classification and nature of hydrogen bonds to betaine. X-ray, ^{13}C CP MAS and IR description of low barrier hydrogen bonds. <i>Journal of Molecular Structure</i> , 2002, 606, 123-137.	3.6	53
2	Participation of Xenon Guest in Hydrogen Bond Network of $\hat{\text{I}}^2$ -Hydroquinone Crystal. <i>Journal of Physical Chemistry A</i> , 2012, 116, 3206-3214.	2.5	22
3	Crystal structure and vibrational spectra of bis(betaine) sulfamate. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 3503-3510.	2.8	18
4	Structural and vibrational properties of betainium perchlorate monohydrate crystal and character of its hydrogen bonds. <i>Journal of Molecular Structure</i> , 2002, 611, 103-118.	3.6	14
5	Polarised infrared reflection spectra of betaine ortho-phosphoric acid complex and nature of its hydrogen bonds. <i>Journal of Molecular Structure</i> , 2002, 611, 119-129.	3.6	14
6	Structural role of hydrogen bond networks in amino acid-acid systems. (I) The network with highly polarizable OHO hydrogen bonds in sarcosine-methanesulfonic acid (2:1) crystal. <i>Chemical Physics</i> , 2008, 351, 99-105.	1.9	14
7	^{13}C chemical shift tensors of hydrogen bonded amino acids: Relations between experimental and calculated results. <i>Chemical Physics</i> , 2006, 323, 231-242.	1.9	13
8	Raman, infrared and ^{13}C NMR studies on betaine-sulfamic acid (2:1) crystal and its hydrogen bonds. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 693-704.	2.5	12
9	Sliding Polymeric Layers and Anion Displacement Coupled with Spin Crossover in Two-Dimensional Networks of $[\text{Fe}(\text{hbtz})_2(\text{CH}_3)_3\text{CN}]_2(\text{BF}_4)_2$. <i>Chemistry - A European Journal</i> , 2019, 25, 2250-2261.	3.3	9
10	Vibrational, structural and theoretical studies of potassium dl-phenylglycinate. <i>Journal of Molecular Structure</i> , 2009, 919, 303-311.	3.6	6
11	Phase transitions in non-centrosymmetric pyridinium trifluoromethanesulfonate crystal: Vibrational studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 148, 203-214.	3.9	6
12	Polarized infrared spectra of lithium hydrogen phthalate monohydrate single crystal. <i>Journal of Molecular Structure</i> , 1993, 291, 135-143.	3.6	5
13	Polarised vibrational spectra of $\text{Bet}\cdot\text{H}_3\text{AsO}_4$ single crystal. <i>Vibrational Spectroscopy</i> , 2001, 25, 231-251.	2.2	5
14	The crystal structure and the phase transitions of pyridinium trifluoromethanesulfonate. <i>Materials Research Express</i> , 2014, 1, 015705.	1.6	5
15	Different $\hat{\text{I}}^2$ -alanine dimeric forms in trifluoromethanesulfonic acid salts. XRD and vibrational studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 193, 156-168.	3.9	5
16	Discrete Cuboidal 15- and 16-Membered Water Clusters in Brucine 3.86-Hydrate, Water Release and Its Consequences. <i>Crystal Growth and Design</i> , 2014, 14, 6537-6541.	3.0	4
17	Experimental evidence on interaction between xenon and bovine serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 449-452.	3.9	4
18	X-ray diffraction, spectroscopic (IR, Raman) and DSC studies of bis(betainium) p-toluenesulfonate monohydrate crystal. <i>Vibrational Spectroscopy</i> , 2015, 76, 6-21.	2.2	4

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19	Crystal structure, phase transition, and disorder in pyridinium methanesulfonate. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 104, 304-314.	4.0	3
20	Structure and stability of p-cresol " xenon clathrate: Raman spectroscopy study. <i>Journal of Molecular Structure</i> , 2020, 1212, 128147.	3.6	3
21	Vibrational, XRD and ¹³ C NMR studies of DL-phenylglycinium methanesulfonate crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 168, 139-147.	3.9	2
22	The dehydration process in the <sc>DL</sc>-phenylglycinium trifluoromethanesulfonate monohydrate crystal revealed by XRD, vibrational and DSC studies. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 1569-1579.	0.5	2
23	Polarised vibrational spectra of betaine ortho-phosphoric acid complex. Part II. Phase transitions studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 963-977.	3.9	0
24	Hydrogen bonds in betaine-acid (1:1) crystals revealed by Raman and ¹³ C chemical shift tensors. <i>Journal of Molecular Structure</i> , 2017, 1137, 292-299.	3.6	0