Zofia Dega-Szafran

List of Publications by Year
in descending order

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81	1,099	448610 19	591227 27
papers	citations	h-index	g-index

81	81	81	709
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystal and molecular structure of 8-hydroxyquinoline betaine monohydrate studied by X-ray, FTIR, NMR and DFT. Journal of Molecular Structure, 2022, 1248, 131421.	1.8	4
2	Interactions of pyridoxine (Vitamin B6) with squaric acid and water. Experimental and theoretical studies. Journal of Molecular Structure, 2022, 1251, 131773.	1.8	4
3	A new diastereomeric type of N-morpholino-spiro derivative. Structural, spectroscopic and computational studies. Journal of Molecular Structure, 2021, 1232, 130018.	1.8	0
4	Hydrogen-bonding aggregation of N-methylpyrrolidine betaine with p-hydroxybenzoic acid. Journal of Molecular Structure, 2020, 1206, 127695.	1.8	4
5	Centrosymmetric and asymmetric dimers of 5-(quinolinium)-valeric acid bromide monohydrate in crystal field and in silico. Journal of Molecular Structure, 2020, 1222, 128912.	1.8	0
6	Cooperative hydrogen bond between piperidine-ethanol and 2,6-dichloro-4- nitrophenol. Journal of Molecular Structure, 2019, 1184, 468-478.	1.8	7
7	Effect of alkyl chain length in 2-(quinuclidinium)-alkanocarboxylates on structures of their complexes with 2,6-dichloro-4-nitrophenol. Journal of Molecular Structure, 2019, 1180, 812-825.	1.8	0
8	Tautomers of N -ethyl-3-oxopyridinium and its adduct with squaric acid studied by X-ray, Raman, FTIR, NMR and DFT methods. Vibrational Spectroscopy, 2017, 89, 102-112.	1.2	4
9	Conformational flexibility and pseudosymmetric aggregation in a betainium salt hydrate. Structural Chemistry, 2017, 28, 859-865.	1.0	4
10	Structural, vibrational and DFT studies of di-(pipecolinium acid) squarate. Vibrational Spectroscopy, 2017, 88, 106-116.	1.2	10
11	Spectroscopic and theoretical studies of the H-bonded complex of quinuclidine with 2,6-dichloro-4-nitrophenol. Vibrational Spectroscopy, 2017, 93, 29-35.	1.2	4
12	Three-component complex of piperidine-ethanol, p-hydroxybenzoic acid and water studied by X-ray, Raman, FTIR and DFT. Vibrational Spectroscopy, 2017, 92, 194-199.	1.2	6
13	Structure, spectroscopy and DFT calculations of 1,2-di(3-hydroxymethylpyridinium)ethane dibromide. Journal of Molecular Structure, 2016, 1120, 341-350.	1.8	4
14	Disproportional proton tautomers of pipecolic acid and 2,6-dichloro-4-nitrophenol in a 2:3 complex. Chemical Physics, 2016, 477, 88-95.	0.9	6
15	Synthesis, spectroscopic and theoretical studies of (R/S)-piperidinium-3-carboxylic acid 2,6-dichloro-4-nitrophenolate. Vibrational Spectroscopy, 2016, 83, 46-56.	1.2	6
16	Spectroscopic studies of the 1:1 complex of piperidine-4-carboxylic acid (isonipecotic acid) with 2,6-dichloro-4-nitrophenol. Vibrational Spectroscopy, 2016, 85, 35-42.	1.2	8
17	Structure of the complex of dimethylphenyl betaine with dichloroacetic acid studied by X-ray diffraction, DFT calculations, infrared and Raman spectra. Vibrational Spectroscopy, 2016, 84, 92-100.	1.2	15
18	Spectroscopic studies of the 1:1 adduct of N-methylmorpholinium-acetate with hydrobromic acid in the crystalline and gaseous state. Vibrational Spectroscopy, 2015, 80, 36-41.	1.2	1

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19	Rare stoichiometry of carboxylâ€“carboxylate benzbetaine complexes: in vitro versus in silico. CrystEngComm, 2015, 17, 4143-4149.	1.3	2
20	Spectroscopic and theoretical studies of bis(dimethylphenyl betaine) hydrochloride monohydrate. Vibrational Spectroscopy, 2015, 79, 16-23.	1.2	8
21	Structural and spectroscopic properties of piperidinium-4-carboxylic acid hydrogen squarate. Vibrational Spectroscopy, 2015, 81, 13-21.	1.2	8
22	Spectroscopic, structural and theoretical investigation of bis(4-trimethylammoniumbenzoate) hydroiodide hydrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1149-1156.	2.0	5
23	Structural, spectroscopic and theoretical studies of dimethylphenyl betaine complex with two molecules of 2,6-dichloro-4-nitro-phenol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1216-1226.	2.0	10
24	NHâ‹¯O and OHâ‹¯O interactions of glycine derivatives with squaric acid. New Journal of Chemistry, 2014, 38, 3556-3568.	1.4	19
25	Structural, spectroscopic and computational studies of the 2:1 complex of nipecotic acid with squaric acid. Chemical Physics, 2014, 444, 7-14.	0.9	9
26	Stable Molecular Complex of Squaric Acid with 2-(Quinuclidinium)propionate. Australian Journal of Chemistry, 2013, 66, 836.	0.5	10
27	Systematics in NH⁺Â·Â·Â·N-Bonded Monosalts of 4,4â€²-Bipyridine (44â€²biPy) with Mineral Acids. Crystal Growth and Design, 2013, 13, 4378-4384.	1.4	7
28	Supramolecular structure of the 1:2 complex of 1,4-dimethylpiperazine mono-betaine with squaric acid. Supramolecular Chemistry, 2013, 25, 432-440.	1.5	12
29	Synthesis and Antimicrobial Activities of some Quaternary Morpholinium Chlorides. Polish Journal of Microbiology, 2010, 59, 49-53.	0.6	12
30	Structural, spectroscopic, and theoretical studies of a very short OHO hydrogen bond in bis(4â€(Nâ€methylpiperidinium)â€butyrate) hydrobromide. Journal of Physical Organic Chemistry, 2009, 22, 356-361.	0.9	9
31	Hydrogen bonds in 1:1 complex of piperidine-3-carboxylic acid with salicylic acid. Journal of Molecular Structure, 2009, 920, 68-74.	1.8	14
32	Conformational richness and multiple Zâ€² in salt co-crystal of N-methylpiperidine betaine with N-methylpiperidine betaine hexafluorosilicate. Acta Crystallographica Section B: Structural Science, 2008, 64, 483-490.	1.8	11
33	Experimental and theoretical studies of 4-hydroxy-1-methylpiperidinium perchlorate. Journal of Molecular Structure, 2008, 889, 344-351.	1.8	7
34	Calorimetric and molecular modeling studies of N-alkoxycarbonylmethyl-N-alkyl-piperidinium chlorides. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 318, 301-306.	2.3	12
35	Synthesis and characterization of 1-carbalkoxymethyl-4-hydroxy-1-methylpiperidinium chlorides. Arkivoc, 2007, 2007, 90-102.	0.3	5
36	Structure of 3-hydroxy-3-phenyl-pyrido[2,1-c][1,4]dihydrooxazinium bromide studied by X-ray, FTIR, 1H, 13C and 15N NMR, and DFT methods. Journal of Molecular Structure, 2006, 792-793, 36-49.	1.8	3

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37	Spectroscopic studies of 1-piperidineacetic acid complexes with phenols. Journal of Molecular Structure, 2005, 744-747, 801-807.	1.8	3
38	Antimicrobial Activity of N-Alkoxycarbonylmethyl-N-alkyl-piperidinium Chlorides. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 782-786.	0.6	8
39	Crystal and molecular structure of N -methylpiperidine betaine hydrobromide. Journal of Molecular Structure, 2002, 605, 319-324.	1.8	24
40	Molecular structures and hydrogen bonding of 1:1 and 2:1 complexes of quinoline betaine with perchloric acid. Journal of Molecular Structure, 2002, 609, 19-28.	1.8	30
41	Bis(N-methylpiperidine betaine) hydrobromide: crystal structure and hydrogen bonding. Journal of Molecular Structure, 2002, 615, 33-43.	1.8	20
42	FTIR studies of complexes of N-methylmorpholine betaine with phenols. Journal of Molecular Structure, 2002, 614, 189-194.	1.8	13
43	Differences in protonâ€“proton coupling constants of N+â€“CH2â€“CH2 protons of some betaines, N+â€“(CH2)2-3â€“COOâ¯, and their complexes in aqueous solution. Journal of Molecular Structure, 2001, 563-564, 555-564.	1.8	7
44	Conformational preferences of isostructural N-methylpiperidine betaine and (1-methylcyclohexyl)acetic acid studied by PM3 and B3LYP calculations. The effect of electrostatic interactions on the rotation barrier. Journal of Molecular Structure, 2001, 598, 251-260.	1.8	10
45	Crystal structure and vibrational spectrum of N-methylpiperidine betaine hexafluorosilicate. Journal of Molecular Structure, 2001, 598, 267-276.	1.8	24
46	Mass Spectra of Iso-Cinchona- and Halogenated Cinchona Alkaloids. European Journal of Mass Spectrometry, 2000, 6, 347-355.	0.5	7
47	1H and13C NMR spectra of betaines, >N+(CH2)nCOOâ¯, and their hydrogen halides. Additivity rules for carbon-13 chemical shifts. Magnetic Resonance in Chemistry, 2000, 38, 43-50.	1.1	29
48	Molecular structure and vibrational spectrum of N-methylpyrrolidine betaine hydrogen chloride: experimental and DFT study. Vibrational Spectroscopy, 2000, 23, 1-11.	1.2	16
49	Structures and hydrogen bonding in the 1:1 and 1:2 complexes of trimethylamine Nâ€“oxide with pentachlorophenol. Journal of Molecular Structure, 1999, 477, 49-60.	1.8	4
50	Conformational analysis of N-methylpiperidine betaine studied by X-ray diffraction, FTIR spectroscopy and ab initio calculations. Journal of Molecular Structure, 1999, 478, 49-55.	1.8	28
51	Conformational analysis of 5-piperidinevaleric acid, 5-(N-methylpiperidine)valerate and their hydrogen halides by MO calculations, X-ray diffraction and FTIR spectroscopy. Journal of Molecular Structure, 1999, 484, 125-138.	1.8	9
52	Deprotonation of 1-(carbethoxyalkyl)pyridinium halides with strong N-bases. Journal of Physical Organic Chemistry, 1999, 12, 39-46.	0.9	14
53	Conformations of, and NHO hydrogen bond in, piperidine-1-valeric acid and its dihydrate. Journal of the Chemical Society Perkin Transactions II, 1999, , 1967-1971.	0.9	6
54	Structure, conformation and hydrogen bonding of some pyridiniumpropionate complexes. Journal of Molecular Structure, 1998, 448, 77-89.	1.8	7

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55	Conformational Analysis of N-Methylpyrrolidine Betaine Hydrochloride by X-Ray Diffraction and Ab Initio Calculations. Journal of Chemical Research Synopses, 1998, , 296-297.	0.3	6
56	Electrostatic Interactions and Conformations of Zwitterionic Pyridinium Alkanoates. Journal of Organic Chemistry, 1998, 63, 2898-2908.	1.7	61
57	Hydrogen bonding and proton localization in complexes of carboxybetaines with phenols and carboxylic acids. Journal of Molecular Structure, 1997, 404, 13-23.	1.8	25
58	Hydrogen bonds in 1:2 complexes of substituted pyridine N-oxides with pentachlorophenol. Journal of Molecular Structure, 1997, 404, 25-32.	1.8	21
59	X-ray, phase transition, IR and Raman studies of the solid complex of bis(pyridine betaine)-sulphuric acid. Journal of Molecular Structure, 1997, 406, 127-135.	1.8	24
60	X-Ray, FTIR and quantum chemical studies of short and asymmetric hydrogen bonds in bis(2,6-dimethylpyridine-N-oxide) sulphate [2,6-(CH3)2C5H3N+î—¸OH]2[SO2â^'4]. Journal of Molecular Structure, 1997, 416, 81-90.	1.8	8
61	Molecular structures and hydrogen bonding in the 1 : 1 and 1 : 2 complexes of pyridine betaine with 2,6-dichloro-4-nitrophenol; an example of strongly coupled hydrogen bonds, Oî—¸Hâ‹¯Oî—»Cî—¸Oî—¸Hâ‹¯Oâ^'. Journal of Molecular Structure, 1997, 416, 145-160.	1.8	30
62	Synthesis, IR and NMR studies of zwitterionic Ï‰-(1-pyrrolidine)alkanocarboxylic acids and their N-methyl derivatives. Journal of Molecular Structure, 1997, 436-437, 107-121.	1.8	16
63	Crystal structure and vibrational spectra of the 1:1 and 1:2 complexes of pyridine betaine with pentachlorophenol. Journal of Molecular Structure, 1997, 436-437, 143-151.	1.8	14
64	Structure and FTIR spectra of 3 : 2 complexes of trimethylamine N-oxide and 4-dimethylamine-2,6-dimethylpyridine N-oxide with perchloric acid. Journal of Molecular Structure, 1996, 375, 197-206.	1.8	5
65	Nitrogen-15 NMR studies of hydrogen bonding and proton transfer in complexes of pyridineN-oxides with dichloroacetic acid in CDCl3. Journal of Physical Organic Chemistry, 1996, 9, 746-750.	0.9	9
66	Differences between the NÂ·HÂ·O and OÂ·HÂ·O hydrogen bonds in complexes of 2,6-dichloro-4-nitrophenol with pyridines and pyridine N-oxides. Journal of Molecular Structure, 1996, 381, 107-125.	1.8	33
67	FT-IR, UVâ€"visible and X-ray studies of complexes of pyridine N-oxides with pentachlorophenol. Journal of Molecular Structure, 1995, 356, 169-182.	1.8	11
68	X-ray, FTIR,1H and13C NMR, PM3 and AM1 studies of (Nâ€"Hâ‹¯N)+and (Oâ€"Hâ‹¯O)â€"hydrogen bonds in a complex of 1,8-diaminonaphthalene with maleic acid: proton cavity and basicity of proton sponges. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 87-92.	1.7	16
69	Ion cyclotron resonance mass spectrometric study of ionâ€"molecule reactions in tolueneâ€"pyridine mixtures. Organic Mass Spectrometry, 1994, 29, 96-101.	1.3	8
70	A critical review of the isotope effect in IR spectra. Journal of Molecular Structure, 1994, 321, 57-77.	1.8	23
71	Strong hydrogen bonds in 1:1 and 2:1 complexes of pyridine betaine with strong acids. Journal of Molecular Structure, 1994, 322, 297-308.	1.8	48
72	Complexes of Carboxylic Acids with Pyridines and Pyridine N-Oxides. Heterocycles, 1994, 37, 627.	0.4	24

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73	X-ray, Fourier-transform infrared,1H and13C nuclear magnetic resonance, and PM3 studies of (Nâ€”Hâ‹¯N)+and (Oâ€”Hâ‹¯O)â€“intramolecular hydrogen bonds in a complex of 1,8-bis(dimethylamino)naphthalene with maleic acid. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 2085-2094.	1.7	42
74	X-ray, FT-IR and PM3 studies of hydrogen bonds in complexes of some pyridines with trifluoroacetic acid. Journal of Molecular Structure, 1992, 270, 99-124.	1.8	33
75	Collisionally activated dissociation of 2,4,6-triphenylpyridinium cations. Organic Mass Spectrometry, 1992, 27, 1317-1321.	1.3	7
76	Localization of the proton in complexes of trifluoroacetic acid with pyridine N-oxides in dichloromethane by second-derivative infrared spectroscopy. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 3825.	1.7	10
77	Evidence for a single minimum potential for hydrogen bonds of pyridine N-oxide complexes with dichloroacetic acid in dichloromethane. Spectrochimica Acta Part A: Molecular Spectroscopy, 1991, 47, 125-131.	0.1	13
78	Chlorine-35 nuclear quadrupole resonance and infrared spectroscopic studies of hydrogen bonding in complexes of dichloroacetic acid with nitrogen and oxygen bases: correlation of spectroscopic properties with proton affinity and aqueous pKa. The Journal of Physical Chemistry, 1990, 94, 1279-1285.	2.9	45
79	Proton and carbon-13 NMR studies of 1-substituted pyridinium salts. Magnetic Resonance in Chemistry, 1989, 27, 1090-1093.	1.1	13
80	Collisionally activated dissociation of some pyridinium cations: Novel fragmentation pathways. Organic Mass Spectrometry, 1989, 24, 1017-1021.	1.3	14
81	Integrated intensity of continuous absorption in infrared spectra of complexes with medium-strong and strong hydrogen bonds. Spectrochimica Acta Part A: Molecular Spectroscopy, 1987, 43, 1553-1559.	0.1	31