

Sławomir Wojtulewski

List of Publications by Year in descending order

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papers

627
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687363

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41
times ranked

744
citing authors

#	ARTICLE	IF	CITATIONS
1	Different donors and acceptors for intramolecular hydrogen bonds. <i>Chemical Physics Letters</i> , 2003, 378, 388-394.	2.6	65
2	DFT and AIM studies on two-ring resonance assisted hydrogen bonds. <i>Computational and Theoretical Chemistry</i> , 2003, 621, 285-291.	1.5	60
3	Ab initio and AIM studies on intramolecular dihydrogen bonds. <i>Journal of Molecular Structure</i> , 2003, 645, 287-294.	3.6	56
4	Blue-shifting C-H...Y intramolecular hydrogen bonds – DFT and AIM analyses. <i>Chemical Physics</i> , 2005, 309, 183-188.	1.9	52
5	Unconventional F-H...E hydrogen bonds – ab initio and AIM study. <i>Journal of Molecular Structure</i> , 2002, 605, 235-240.	3.6	40
6	Experimental (FT-IR, FT-Raman, ¹ H NMR) and theoretical study of magnesium, calcium, strontium, and barium picolinates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 24-33.	3.9	32
7	Spectroscopic (FT-IR, FT-Raman and ¹ H and ¹³ C NMR) and theoretical in MP2/6-311++G(d,p) and B3LYP/6-311++G(d,p) levels study of benzenesulfonic acid and alkali metal benzenesulfonates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 100, 41-50.	3.9	28
8	Performance of Møller-Plesset second-order perturbation theory and density functional theory in predicting the interaction between stannylenes and aromatic molecules. <i>Journal of Molecular Modeling</i> , 2015, 21, 41.	1.8	28
9	<i>N</i> -Oxide as a Proton Accepting Group in Multicomponent Crystals: X-ray and Theoretical Studies on New <i>p</i> -Nitropyridine- <i>N</i> -oxide Co-Crystals. <i>Crystal Growth and Design</i> , 2015, 15, 5802-5815.	3.0	22
10	Effect of alkali metal ions on the pyrrole and pyridine π -electron systems in pyrrole-2-carboxylate and pyridine-2-carboxylate molecules: FT-IR, FT-Raman, NMR and theoretical studies. <i>Journal of Molecular Structure</i> , 2011, 993, 448-458.	3.6	19
11	Intermolecular Interactions of Trichloromethyl Group in the Crystal State, the Case of 2-Trichloromethyl-3- <i>H</i> -4-quinazoline Polymorphs and 1-Methyl-2-trichloroacetylpyrrole – Hirshfeld Surface Analysis of Chlorine Halogen Bonding. <i>Crystal Growth and Design</i> , 2013, 13, 3913-3924.	3.0	19
12	Thermal, spectroscopic (IR, Raman, NMR) and theoretical (DFT) studies of alkali metal complexes with pyrazinecarboxylate and 2,3-pyrazinedicarboxylate ligands. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 205-224.	3.6	17
13	Theoretical (in B3LYP/6-3111++G** level), spectroscopic (FT-IR, FT-Raman) and thermogravimetric studies of gentisic acid and sodium, copper(II) and cadmium(II) gentisates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 713-725.	3.9	13
14	The role of sulfur interactions in crystal architecture: experimental and quantum theoretical studies on hydrogen, halogen, and chalcogen bonds in trithiocyanuric acid – pyridine <i>N</i> -oxide co-crystals. <i>CrystEngComm</i> , 2021, 23, 324-334.	2.6	13
15	<i>N</i> -Oxide – <i>N</i> -oxide interactions and Cl...Cl halogen bonds in pentachloropyridine <i>N</i> -oxide: the many-body approach to interactions in the crystal state. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 113-119.	0.5	12
16	Thermal, spectroscopic, X-ray and theoretical studies of metal complexes (sodium, manganese, copper, Tj ETQq0 0 0 rgBT /Overlock 10 Thermal Analysis and Calorimetry, 2019, 138, 2813-2837.	3.6	12
17	Intramolecular hydrogen bonds in 2-iminoacetic acid and its derivatives – DFT calculations and π -Atoms in Molecules TM analysis. <i>Computational and Theoretical Chemistry</i> , 2009, 905, 34-39.	1.5	11
18	Intramolecular Double Proton Transfer from 2-Hydroxy-2-iminoacetic Acid to 2-Amino-2-oxoacetic Acid. <i>Journal of Organic Chemistry</i> , 2010, 75, 1419-1426.	3.2	11

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19	Magnetic nanoparticles with chelating shells prepared by RAFT/MADIX polymerization. <i>New Journal of Chemistry</i> , 2016, 40, 9223-9231.	2.8	11
20	Synthesis and characterization of new M(II) carbonyl complexes (M = Fe or Ru) including an π -1-N-maleimidato ligand. Reactivity studies with biological thiols. <i>Journal of Organometallic Chemistry</i> , 2016, 801, 101-110.	1.8	11
21	Oxidation of 2-mercaptopyridine N-oxide upon iodine agent: structural and FT-IR studies on charge-assisted hydrogen bonds CAHB(+) and π -I halogen interactions in 2,2'-dithiobis(pyridine N-oxide) ionic cocrystal. <i>Structural Chemistry</i> , 2019, 30, 827-833.	2.0	10
22	Does Proton Transfer Always Take Place in Molecules of 2-Substituted Pyridine-N-oxides? The Case of 2-Aminopyridine-N-oxide Crystal Structure and Its 3,5-Dinitrobenzoic Acid Co-crystal. <i>Crystal Growth and Design</i> , 2018, 18, 7373-7382.	3.0	9
23	The influence of selected transition metal ions on the structure, thermal and microbiological properties of pyrazine-2-carboxylic acid. <i>Polyhedron</i> , 2020, 175, 114173.	2.2	8
24	Spectroscopic and theoretical studies on the aromaticity of pyrrol-2-yl-carbonyl conformers. <i>Journal of Molecular Structure</i> , 2013, 1041, 92-99.	3.6	7
25	C π -Br...S halogen bonds in novel thiourea-N-oxide cocrystals: analysis of energetic and QTAIM parameters. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 170-176.	0.5	7
26	The experimental and theoretical study on the influence of alkali metals on the electronic charge distribution in five-membered aromatic acids (2-thiophenecarboxylic, 2-furanecarboxylic and) https://doi.org/10.1039/d1cc00000a	0.0	0
27	Racemic crystals of trolox derivatives compared to their chiral counterparts: Structural studies using solid-state NMR, DFT calculations and X-ray diffraction. <i>Journal of Molecular Structure</i> , 2018, 1156, 290-300.	3.6	6
28	Carbon coating of air-sensitive insulating transition metal fluorides: An example study on \pm -Li ₃ FeF ₆ high-performance cathode for lithium ion batteries. <i>Journal of Materials Science and Technology</i> , 2020, 55, 107-115.	10.7	6
29	Oxa-Michael reaction of metallocarbonyl complexes bearing the maleimidato ligand. Reactivity studies with selected hydroxy compounds. <i>Polyhedron</i> , 2016, 107, 38-47.	2.2	5
30	Two New Cocrystals of the Dipicolinic Acid. Hirshfeld Atom Refinement of Crystal Structures and Quantum Theory of Atoms in Molecules Analysis of Molecular Complexes. <i>Crystal Growth and Design</i> , 2019, 19, 6860-6872.	3.0	5
31	Spectroscopic (IR, Raman, NMR), thermal and theoretical (DFT) study of alkali metal dipicolinates (2,6) and quinolinates (2,3). <i>Arabian Journal of Chemistry</i> , 2019, 12, 4414-4426.	4.9	5
32	(2R)-8-Benzyl-2-[(S)-hydroxy(phenyl)methyl]-8-azabicyclo[3.2.1]octan-3-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o149-o150.	0.2	4
33	A Useful Synthetic Route to π -N-Substituted Succinimides via Light-Induced Degradation of Metallocarbonyl Complexes. <i>Organometallics</i> , 2021, 40, 663-673.	2.3	4
34	Trithiocyanuric acid: novel cocrystals and analysis of its tautomeric forms. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 49-55.	0.5	4
35	A new look at two polymorphic crystal structures of dibenzoylmethane: relationship between the crystal packing and the hydrogen atom position revealed by quantum chemistry and quantum crystallography methods. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 957-966.	1.1	2
36	Inverse electron-demand Diels-Alder (IEDDA) bioorthogonal conjugation of half-sandwich transition metallocarbonyl entities to a model protein. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5507.	3.5	2

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37	Crystal Structure and Properties of an Energetic Perchlorate Complex Compound with Copper and Cytosine. <i>Propellants, Explosives, Pyrotechnics</i> , 2021, 46, 737-741.	1.6	2
38	Carbamohydrazonothioate derivative—experimental and theoretical explorations of the crystal and molecular structure. <i>Structural Chemistry</i> , 2017, 28, 801-812.	2.0	1
39	A novel hydrogen-bonding <i>N</i> -oxide—sulfonamide—nitro N—H...O synthon determining the architecture of benzenesulfonamide cocrystals. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2022, 78, 7-13.	0.5	1
40	Novel melamine — salicylic salt solvates and co-crystals; an analysis of the energetic parameters of the intermolecular hydrogen bonds stabilizing the crystal structure. <i>CrystEngComm</i> , 2022, 24, 5688-5696.	2.6	1
41	Crystal structure of 3,6-bis(pyridin-2-yl)-1,4-dihydro-1,2,4,5-tetrazine. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 86-88.	0.5	0