Atekeh Tarahhomi

List of Publications by Year
in descending order

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38	275	1163117 8	996975 15
papers	citations	h-index	g-index

39	39	39	206
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental and theoretical study of novel aminoâ€functionalized P(V) coordination compounds suggested as inhibitor of M^{Pro}of SARSâ€COVâ€2 by molecular docking study. Applied Organometallic Chemistry, 2022, 36, e6636.	3.5	4
2	Energy frameworks and Hirshfeld surface analysis of supramolecular features in three new phosphoric triamides: tuning the intermolecular interactions via the substituent effect. Journal of Molecular Structure, 2022, 1259, 132742.	3.6	5
3	Structural studies on two new phosphoramides with the same [OC4H8N]P(O) segment by means of single-crystal X-ray diffraction, Hirshfeld surface analysis and 3D energy framework approach. Journal of Molecular Structure, 2021, 1223, 128942.	3.6	6
4	Evaluation of structural, spectroscopic, bonding and electronic properties of some organotin(IV)-phosphoric triamide complexes by using help of DFT, QTAIM and Hirshfeld surface investigations. Computational and Theoretical Chemistry, 2021, 1195, 113098.	2.5	7
5	Coordination versus hydrogen bonds in the structures of different tris(pyridin-2-yl)phosphoric triamide derivatives. RSC Advances, 2021, 11, 8178-8197.	3.6	4
6	Synthesis and structural study of five new phosphoric triamides: interplay between classical and non-classical intermolecular interactions. Zeitschrift Fur Kristallographie - Crystalline Materials, 2021, 236, 301-312.	0.8	2
7	Association of Nonâ€covalent Interactions Câ^'Hâ€¦ X (X =O, F, Cl, Ï€) and Clâ€¦Ï€ with Hydrogen Bond Interactions Nâ^'Hâ€¦O in Molecular Assembly of New Phosphoramides: A Combined Xâ€Ray Crystallography and Topology (AIM and Hirshfeld) Analysis. ChemistrySelect, 2020, 5, 185-195.	1.5	4
8	Three new amidophosphoric acid esters with a P(O)[OCH₂C(CH₃)₂CH₂O] segment: X-ray diffraction, DFT, AIM and Hirshfeld surface investigations of bi- and tri-furcated (three and four-center) hydrogen bond interactions. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 69-84.	0.8	3
9	Evaluation of Nâ€“HÂ·Â·Â·O hydrogen bond interactions in two new phosphoric triamides with a P(O)[NHCH(CH₃)₂]₂ segment by means of topological (AIM) calculations, Hirshfeld surface analysis and 3D energy framework approach. Zeitschrift Fur Kristallographie - Crystalline Materials, 2019, 234, 401-413.	0.8	7
10	A detailed theoretical and experimental study on the N H, P O and C O stretching frequencies in two new phosphoric triamides and a statistical comparison with analogous structures. Polyhedron, 2019, 158, 215-224.	2.2	8
11	A new six-coordinate organotin(IV) complex of OP[NC₅H₁₀]₃: A comparison with an analogous five-coordinate complex by means of X-ray crystallography, Hirshfeld surface analysis and DFT calculations. Journal of Coordination Chemistry, 2018, 71, 1575-1592.	2.2	8
12	Synthesis and crystal structures of new phosphoric triamides: study of intermolecular interactions by semi-empirical calculations and Hirshfeld surface analysis. Monatshefte FÃ¼r Chemie, 2018, 149, 1759-1776.	1.8	8
13	The first coordination compounds of OP[NC₄H₈O]₃phosphoric triamide ligand: structural study and Hirshfeld surface analysis of Sn^{IV}and Mn^{II}complexes. Journal of Coordination Chemistry, 2017, 70, 1285-1302.	2.2	5
14	A new Zâ€²=(2+0.5+0.5) amidophosphoester structure: Hirshfeld surface analysis of symmetry-independent molecules. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 453-462.	0.8	1
15	Crystal structures, DFT calculations, and Hirshfeld surface analyses of two new copper(II) and nickel(II) Schiff base complexes derived from meso-1,2-diphenyl-1,2-ethylenediamine. Journal of Molecular Structure, 2017, 1150, 214-226.	3.6	11
16	Crystal structures, DFT calculations and Hirshfeld surface analyses of three new cobalt(III) Schiff base complexes derived from meso-1,2-diphenyl-1,2-ethylenediamine. Journal of Molecular Structure, 2016, 1122, 123-133.	3.6	27
17	Syntheses and structures of four new mixed-amide phosphoric triamides. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 251-259.	0.5	9
18	Synthesis, crystal structures and Hirshfeld surface analyses of two new Salen type nickel/sodium heteronuclear complexes. Journal of Molecular Structure, 2016, 1110, 119-127.	3.6	3

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19	Three new phosphoric triamides with a [C(O)NH]P(O)[N(C)(C)]₂skeleton: a database analysis of Câ€”Nâ€”C and Pâ€”Nâ€”C bond angles. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 998-1002.	0.5	4
20	Hirshfeld surface analysis of the 1,1â€²-(ethane-1,2-diyl)dipyridinium dication in two new salts: perchlorate and peroxodisulfate. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 230-235.	0.5	4
21	Hirshfeld surface analysis of new organotin(IV)-phosphoramide complexes. Journal of Organometallic Chemistry, 2014, 751, 508-518.	1.8	21
22	A novel amidoâ€“pyrophosphate MnIIchelate complex with the synthetic ligand O{P(O)[NHC(CH3)3]2}2(L): [Mn(L)2{OC(H)N(CH3)2}2]Cl2Â·2H2O. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 225-228.	0.4	2
23	Hirshfeld surface analysis of new phosphoramidates. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2013, 69, 260-270.	1.1	29
24	A second monoclinic polymorph ofN-[bis(morpholin-4-yl)phosphinoyl]-4-fluorobenzamide with theP2₁/nspace group. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2444-o2444.	0.2	2
25	N,N,Nâ€²,Nâ€²-Tetrabenzyl-Nâ€²â€²-(2,6-difluorobenzoyl)phosphoric triamide. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3186-o3186.	0.2	0
26	N-(4-Fluorobenzoyl)-Nâ€²,Nâ€²â€²-diisopropylphosphoric triamide. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3406-o3407.	0.2	0
27	Crystal structure of N,N',N'',N'''-tetrakis(4-methylphenyl)- diphosphoric tetraamide, C28H32N4O3P2. Zeitschrift Fur Kristallographie - New Crystal Structures, 2012, 227, .	0.3	0
28	Two newXP(O)[NHC(CH3)3]2phosphoramidates, withX= (CH3)2N and [(CH3)3CNH]2P(O)(O). Acta Crystallographica Section C: Crystal Structure Communications, 2012, 68, o164-o169.	0.4	14
29	Different orientations of C=O versus P=O in P(O)NHC(O) skeleton: the first study on an aliphatic diazaphosphorinane with a gauche orientation. Structural Chemistry, 2011, 22, 201-210.	2.0	23
30	Different cyclic motifs in phosphoric triamides containing a C(O)NHP(O)(NH)₂skeleton and anR₂²(10) graph set in three new compounds: a database analysis of hydrogen-bond strengths based on motifs. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, o265-o272.	0.4	34
31	N-(2-Fluorobenzoyl)-Nâ€²,Nâ€²â€²-bis(4-methylphenyl)phosphoric triamide. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o934-o934.	0.2	4
32	N-(2,6-Difluorobenzoyl)-P,P-bis(pyrrolidin-1-yl)phosphinic amide. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2444-o2444.	0.2	1
33	N,N,Nâ€²,Nâ€²-Tetraethyl-Nâ€²â€²-(2-fluorobenzoyl)phosphoric triamide. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2643-o2643.	0.2	1
34	Cyclohexyl(methyl)ammonium {bis[cyclohexyl(methyl)amino]phosphoryl}(4-methylphenylsulfonyl)azanide. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2795-o2795.	0.2	0
35	N,Nâ€²-Dicyclohexyl-Nâ€²â€²-(2,6-difluorobenzoyl)-N,Nâ€²-dimethylphosphoric triamide. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3027-o3027.	0.2	1
36	O-Phenyl (tert-butylamido)(p-tolylamido)phosphinate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3405-o3406.	0.2	3

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37	N,Nâ€²-Di-tert-butyl-Nâ€²â€²-(2,6-difluorobenzoyl)phosphoric triamide. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o3159-o3159.	0.2	6
38	N,Nâ€²-Dibenzyl-Nâ€²â€²-(2,6-difluorobenzoyl)-N,Nâ€²-dimethylphosphoric triamide. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o2524-o2524.	0.2	4