

Bharat Kumar Tripuramallu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization and hirshfeld surface analyses of Ni(mnt)-alkyl bis(imidazolium) ion pair compounds: Supramolecular interactions mediated self-assembly. Journal of Molecular Structure, 2022, 1264, 133207.	3.6	4
2	Structural perception into the supramolecular self-assembly directed by C Hâ€¢â€¢â€¢â€¢ and Î€â€¢â€¢â€¢â€¢ interactions of 5,15-di(4â€¢-carboxyphenyl)-10,20-di(pyrenyl) zinc porphyrin linker. Journal of Molecular Structure, 2021, 1227, 129567.	3.6	1
3	Pivotal role of supramolecular interactions towards the stability of Na-1,2-bis(tetrazol-5-yl) ethene coordination polymer. Journal of Molecular Structure, 2021, 1226, 129376.	3.6	0
4	Synthesis and structural characterization of the formate bridged Cu(ii) cubane: Crystallographic evidence of atmospheric CO2 fixation as formate in a tertranuclear Cu(II) cluster. Journal of Molecular Structure, 2020, 1219, 129064.	3.6	1
5	Solvent Influence in Obtaining Diverse Coordination Symmetries of Dy(III) Metal Centers in Coordination Polymers: Synthesis, Characterization, and Luminescent Properties. Crystal Growth and Design, 2020, 20, 2973-2984.	3.0	20
6	Location controlled symmetry reduction: paradigm of an open metalloporphyrin framework based on the tetracarboxy porphyrin linker. CrystEngComm, 2019, 21, 5216-5221.	2.6	2
7	Open MOFs with Unique Hexatopic Zinc-5,15-bis(4â€¢-carboxyphenyl)-10,20-bis(3â€¢,5â€¢-dicarboxyphenyl)porphyrin Linker. Crystal Growth and Design, 2018, 18, 230-241.	3.0	11
8	Influence of Structural Parameters on the Formation of Stable Na-bte Coordination Polymers. Crystal Growth and Design, 2018, 18, 7708-7719.	3.0	3
9	Scalable Synthesis and Supramolecular Assembly of <i>trans</i>-A₂B₂ Porphyrins with Pendant Carboxylic Functional Groups. ChemistrySelect, 2017, 2, 885-893.	1.5	10
10	Novel <i>meso</i>-substituted <i>trans</i>-A₂B₂ porphyrins: synthesis and structure of their metal-mediated supramolecular assemblies. CrystEngComm, 2017, 19, 6845-6857.	2.6	11
11	Mn^{II} and Co^{II} Coordination Polymers Showing Field-Dependent Magnetism and Slow Magnetic Relaxation Behavior. Crystal Growth and Design, 2017, 17, 4393-4404.	3.0	46
12	Silver Coordination Polymers Based on Newly Designed Bis(cyanobenzyl)bipiperidine Ligand: Synthesis, Anion Exchange, Guest Inclusion, Electrochemical, and Photoluminescence Properties. Crystal Growth and Design, 2016, 16, 2814-2825.	3.0	40
13	Assembling Coordination Frameworks of Tetrakis[<i>meso</i>-(3,5-biscarboxyphenyl)]-Metalloporphyrins with Polynuclear Metallic Nodes: Mechanistic Insights into the Synthesis and Crystallization Process. Crystal Growth and Design, 2016, 16, 1751-1764.	3.0	12
14	Porphyrin-based assemblies directed by non-covalent interactions: highlights of recent investigations. CrystEngComm, 2016, 18, 3318-3339.	2.6	34
15	Ameliorated synthetic methodology for crystalline lanthanoidâ€¢metalloporphyrin open frameworks based on a multitopic octacarboxy-porphyrin scaffold: structural, gas sorption and photophysical properties. CrystEngComm, 2016, 18, 515-520.	2.6	18
16	Exploring Supramolecular Self-Assembly of Tetraarylporphyrins by Halogen Interactions. 3. Tin(L₂)(A₂B₂-Porphyrin) Arrays Supported by Concerted Halogen and Hydrogen Bonding. Crystal Growth and Design, 2015, 15, 3063-3075.	3.0	22
17	Synthesis, characterization and magnetism of metalâ€¢organic compounds: role of the positions of the coordinating groups of a meso-flexible ligand in placing anisotropy to exhibit spin-canting behaviour. Dalton Transactions, 2015, 44, 2852-2864.	3.3	32
18	Significant Role of Supramolecular Interactions on Conformational Modulation of Flexible Organic Cation Receptors in a Metal-Bis(dithiolate) Coordination Complex Matrix. Crystal Growth and Design, 2015, 15, 4459-4474.	3.0	5

19	Influential Role of Geometrical Disparity of Linker and Metal Ionic Radii in Elucidating the Structural Diversity of Coordination Polymers Based on Angular Dicarboxylate and Bis-pyridyl Ligands. Crystal Growth and Design, 2014, 14, 278-289.	3.0	48
20	Supramolecular interactions mediated conformational modulation of flexible linker leading to the isolation of a metallo-macrocyclic in a polyoxometalate matrix: Hirshfeld surfaces and 2D fingerprint plots. CrystEngComm, 2014, 16, 10300-10308.	2.6	10
21	Structural library of coordination polymers based on flexible linkers exploiting the role of linker coordination angle: synthesis, structural characterization and magnetic properties. CrystEngComm, 2014, 16, 4816-4833.	2.6	29
22	Mutual interplay of non-covalent interactions in modulating the geometry of organic linkers in their salts. Journal of Molecular Structure, 2014, 1071, 79-87.	3.6	2
23	Decavanadate-based discrete compound and coordination polymer: Synthesis, crystal structures, spectroscopy and nano-materials. Polyhedron, 2014, 81, 147-153.	2.2	9
24	Influence of biphenyl spacer appended to the flexible phosphonate arms in modulating the dimensionality of the coordination polymers: Synthesis, structural chemistry and magnetic properties. Journal of Solid State Chemistry, 2013, 197, 499-507.	2.9	10
25	Hydrothermal Synthesis and Structural Characterization of Metal Organophosphonate Oxide Materials: Role of Metal-Oxo Clusters in the Self Assembly of Metal Phosphonate Architectures. Crystal Growth and Design, 2013, 13, 2426-2434.	3.0	49
26	Synthesis, Structural Characterization, and Magnetic Properties of a New Series of Coordination Polymers: Importance of Steric Hindrance at the Coordination Sphere. Crystal Growth and Design, 2012, 12, 4607-4623.	3.0	31
27	Mechanistic Aspects for the Formation of Copper Dimer Bridged by Phosphonic Acid and Extending Its Dimensionality by Organic and Inorganic Linkers: Synthesis, Structural Characterization, Magnetic Properties, and Theoretical Studies. Crystal Growth and Design, 2012, 12, 5579-5597.	3.0	40
28	Factors Affecting the Conformational Modulation of Flexible Ligands in the Self-Assembly Process of Coordination Polymers: Synthesis, Structural Characterization, Magnetic Properties, and Theoretical Studies of [Co(pda)(bix)] _n , [Ni(pda)(bix)(H ₂ O)] _n , [Cu(pda)(bix) ₂ (H ₂ O)] _n , [Co ₂ (pda)(ptz)] _n , [Co ₂ (OH)(pda)(ptz)] _n , [Co ₂ (OH)(pda)(ptz)] _n , [Co(hfipbb)(bix) _{0.5}]·n. Crystal Growth and Design, 2012, 12, 777-792.	3.0	76
29	A Manganese(II) Sandwich-Type Phosphotungstate Complex as a Catalyst for the Synthesis, Structural Characterization and Catalytic Activity towards Liquid Phase Aerobic Epoxidation of Alkenes. European Journal of Inorganic Chemistry, 2011, 2011, 1871-1875.	2.0	18
30	Understanding the formation of metal-oxide based inorganic solids: Assessing the influence of tetrazole molecule. Inorganica Chimica Acta, 2011, 368, 132-140.	2.4	18
31	Ion-pair charge transfer complex with near-IR absorption: Synthesis, crystal structure and properties of [Hb]2[Cu(mnt)2] (Hb=1-(4-((1H-imidazol-1-yl)methyl)benzyl)-1H-imidazol-3-ium). Journal of Molecular Structure, 2011, 990, 37-43.	3.6	4
32	Synthesis, structural, and spectral characterization of Keggin-type mono cobalt(II)-substituted phosphotungstate. Journal of Coordination Chemistry, 2011, 64, 4016-4028.	2.2	28
33	Synthesis, structural characterization and properties of one-dimensional coordination polymers of cobalt(II)- and nickel(II)-phosphonate complexes with 2,2'-bipyridine as a secondary ligand component: Observation of both cis and trans conformations of a diphosphonic acid. Polyhedron, 2010, 29, 2985-2990.	2.2	31
34	2-Aminoanilinium 2-chloroacetate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1945-o1945.	0.2	4