

Bharat Kumar Tripuramallu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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) ₂] _n and [Co ₂ (1/4-OH)(pda)(ptz)] _n . <i>Cryst Growth and Design</i> , 2013, 13, 2426-2434.	1.4	76
2	Hydrothermal Synthesis and Structural Characterization of Metal Organophosphonate Oxide Materials: Role of Metal-Oxo Clusters in the Self Assembly of Metal Phosphonate Architectures. <i>Crystal Growth and Design</i> , 2013, 13, 2426-2434.	1.4	49
3	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. <i>Crystal Growth and Design</i> , 2014, 14, 278-289.	1.4	48
4	Mn ^{II} and Co ^{II} Coordination Polymers Showing Field-Dependent Magnetism and Slow Magnetic Relaxation Behavior. <i>Crystal Growth and Design</i> , 2017, 17, 4393-4404.	1.4	46
5	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. <i>Crystal Growth and Design</i> , 2012, 12, 5579-5597.	1.4	40
6	Silver Coordination Polymers Based on Newly Designed Bis(cyanobenzyl)bipiperidine Ligand: Synthesis, Anion Exchange, Guest Inclusion, Electrochemical, and Photoluminescence Properties. <i>Crystal Growth and Design</i> , 2016, 16, 2814-2825.	1.4	40
7	Porphyrin-based assemblies directed by non-covalent interactions: highlights of recent investigations. <i>CrystEngComm</i> , 2016, 18, 3318-3339.	1.3	34
8	Synthesis, characterization and magnetism of metal-organic compounds: role of the positions of the coordinating groups of a meso-flexible ligand in placing anisotropy to exhibit spin-canting behaviour. <i>Dalton Transactions</i> , 2015, 44, 2852-2864.	1.6	32
9	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. <i>Polyhedron</i> , 2010, 29, 2985-2990.	1.0	31
10	Synthesis, Structural Characterization, and Magnetic Properties of a New Series of Coordination Polymers: Importance of Steric Hindrance at the Coordination Sphere. <i>Crystal Growth and Design</i> , 2012, 12, 4607-4623.	1.4	31
11	Structural library of coordination polymers based on flexible linkers exploiting the role of linker coordination angle: synthesis, structural characterization and magnetic properties. <i>CrystEngComm</i> , 2014, 16, 4816-4833.	1.3	29
12	Synthesis, structural, and spectral characterization of Keggin-type mono cobalt(II)-substituted phosphotungstate. <i>Journal of Coordination Chemistry</i> , 2011, 64, 4016-4028.	0.8	28
13	Exploring Supramolecular Self-Assembly of Tetraarylporphyrins by Halogen Interactions. 3. Tin(L) ₂ (A ₂ B ₂ -Porphyrin) Arrays Supported by Concerted Halogen and Hydrogen Bonding. <i>Crystal Growth and Design</i> , 2015, 15, 3063-3075.	1.4	22
14	Solvent Influence in Obtaining Diverse Coordination Symmetries of Dy(III) Metal Centers in Coordination Polymers: Synthesis, Characterization, and Luminescent Properties. <i>Crystal Growth and Design</i> , 2020, 20, 2973-2984.	1.4	20
15	A Manganese(II) Sandwich-Type Phosphotungstate Complex – Synthesis, Structural Characterization and Catalytic Activity towards Liquid-Phase Aerobic Epoxidation of Alkenes. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1871-1875.	1.0	18
16	Understanding the formation of metal-oxide based inorganic solids: Assessing the influence of tetrazole molecule. <i>Inorganica Chimica Acta</i> , 2011, 368, 132-140.	1.2	18
17	Ameliorated synthetic methodology for crystalline lanthanoid-metalloporphyrin open frameworks based on a multitopic octacarboxy-porphyrin scaffold: structural, gas sorption and photophysical properties. <i>CrystEngComm</i> , 2016, 18, 515-520.	1.3	18
18	Assembling Coordination Frameworks of Tetrakis(meso-(3,5-biscarboxyphenyl))-Metalloporphyrins with Polynuclear Metallic Nodes: Mechanistic Insights into the Synthesis and Crystallization Process. <i>Crystal Growth and Design</i> , 2016, 16, 1751-1764.	1.4	12

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19	Novel <i>meso</i> -substituted <i>trans</i> -A ₂ B ₂ porphyrins: synthesis and structure of their metal-mediated supramolecular assemblies. <i>CrystEngComm</i> , 2017, 19, 6845-6857.	1.3	11
20	Open MOFs with Unique Hexatopic Zinc-5,15-bis(4- CO_2 -carboxyphenyl)-10,20-bis(3,5- CO_2 -dicarboxyphenyl)porphyrin Linker. <i>Crystal Growth and Design</i> , 2018, 18, 230-241.	1.4	11
21	Influence of biphenyl spacer appended to the flexible phosphonate arms in modulating the dimensionality of the coordination polymers: Synthesis, structural chemistry and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2013, 197, 499-507.	1.4	10
22	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. <i>CrystEngComm</i> , 2014, 16, 10300-10308.	1.3	10
23	Scalable Synthesis and Supramolecular Assembly of <i>trans</i> -A ₂ B ₂ Porphyrins with Pendant Carboxylic Functional Groups. <i>ChemistrySelect</i> , 2017, 2, 885-893.	0.7	10
24	Decavanadate-based discrete compound and coordination polymer: Synthesis, crystal structures, spectroscopy and nano-materials. <i>Polyhedron</i> , 2014, 81, 147-153.	1.0	9
25	Significant Role of Supramolecular Interactions on Conformational Modulation of Flexible Organic Cation Receptors in a Metal-Bis(dithiolate) Coordination Complex Matrix. <i>Crystal Growth and Design</i> , 2015, 15, 4459-4474.	1.4	5
26	2-Aminoanilinium 2-chloroacetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1945-o1945.	0.2	4
27	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). <i>Journal of Molecular Structure</i> , 2011, 990, 37-43.	1.8	4
28	Synthesis, characterization and hirshfeld surface analyses of Ni(mnt)-alkyl bis(imidazolium) ion pair compounds: Supramolecular interactions mediated self-assembly. <i>Journal of Molecular Structure</i> , 2022, 1264, 133207.	1.8	4
29	Influence of Structural Parameters on the Formation of Stable Na- <i>bte</i> Coordination Polymers. <i>Crystal Growth and Design</i> , 2018, 18, 7708-7719.	1.4	3
30	Mutual interplay of non-covalent interactions in modulating the geometry of organic linkers in their salts. <i>Journal of Molecular Structure</i> , 2014, 1071, 79-87.	1.8	2
31	Location controlled symmetry reduction: paradigm of an open metalloporphyrin framework based on the tetracarboxy porphyrin linker. <i>CrystEngComm</i> , 2019, 21, 5216-5221.	1.3	2
32	Synthesis and structural characterization of the formate bridged Cu(ii) cubane: Crystallographic evidence of atmospheric CO ₂ fixation as formate in a tertranuclear Cu(II) cluster. <i>Journal of Molecular Structure</i> , 2020, 1219, 129064.	1.8	1
33	Structural perception into the supramolecular self-assembly directed by C-H \cdots N and $\pi\cdots\pi$ interactions of 5,15-di(4- CO_2 -carboxyphenyl)-10,20-di(pyrenyl) zinc porphyrin linker. <i>Journal of Molecular Structure</i> , 2021, 1227, 129567.	1.8	1
34	Pivotal role of supramolecular interactions towards the stability of Na-1,2-bis(tetrazol-5-yl) ethene coordination polymer. <i>Journal of Molecular Structure</i> , 2021, 1226, 129376.	1.8	0