

# 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.	1.8	4
2	Structural perception into the supramolecular self-assembly directed by C Hâ€¢â€¢â€¢â€¢ and ĩâ€¢â€¢â€¢â€¢ interactions of 5,15-di(4â€¢-carboxyphenyl)-10,20-di(pyrenyl) zinc porphyrin linker. Journal of Molecular Structure, 2021, 1227, 129567.	1.8	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.	1.8	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.	1.8	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.	1.4	20
6	Location controlled symmetry reduction: paradigm of an open metalloporphyrin framework based on the tetracarboxy porphyrin linker. CrystEngComm, 2019, 21, 5216-5221.	1.3	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.	1.4	11
8	Influence of Structural Parameters on the Formation of Stable Na-<b>bte</b> Coordination Polymers. Crystal Growth and Design, 2018, 18, 7708-7719.	1.4	3
9	Scalable Synthesis and Supramolecular Assembly of <i>trans</i>-A<sub>2</sub>B<sub>2</sub> Porphyrins with Pendant Carboxylic Functional Groups. ChemistrySelect, 2017, 2, 885-893.	0.7	10
10	Novel <i>meso</i>-substituted <i>trans</i>-A<sub>2</sub>B<sub>2</sub> porphyrins: synthesis and structure of their metal-mediated supramolecular assemblies. CrystEngComm, 2017, 19, 6845-6857.	1.3	11
11	Mn<sup>II</sup> and Co<sup>II</sup> Coordination Polymers Showing Field-Dependent Magnetism and Slow Magnetic Relaxation Behavior. Crystal Growth and Design, 2017, 17, 4393-4404.	1.4	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.	1.4	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.	1.4	12
14	Porphyrin-based assemblies directed by non-covalent interactions: highlights of recent investigations. CrystEngComm, 2016, 18, 3318-3339.	1.3	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.	1.3	18
16	Exploring Supramolecular Self-Assembly of Tetraarylporphyrins by Halogen Interactions. 3. Tin(L<sub>2</sub>)(A<sub>2</sub>B<sub>2</sub>-Porphyrin) Arrays Supported by Concerted Halogen and Hydrogen Bonding. Crystal Growth and Design, 2015, 15, 3063-3075.	1.4	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.	1.6	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.	1.4	5

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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. <i>Crystal Growth and Design</i> , 2014, 14, 278-289.	1.4	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. <i>CrystEngComm</i> , 2014, 16, 10300-10308.	1.3	10
21	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
22	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
23	Decavanadate-based discrete compound and coordination polymer: Synthesis, crystal structures, spectroscopy and nano-materials. <i>Polyhedron</i> , 2014, 81, 147-153.	1.0	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. <i>Journal of Solid State Chemistry</i> , 2013, 197, 499-507.	1.4	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. <i>Crystal Growth and Design</i> , 2013, 13, 2426-2434.	1.4	49
26	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
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. <i>Crystal Growth and Design</i> , 2012, 12, 5579-5597.	1.4	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)] <sub>n</sub> , [Ni(pda)(bix)(H <sub>2</sub> O)] <sub>n</sub> , [Cu(pda)(bix) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sub>n</sub> , [Co <sub>2</sub> (pda)(ptz)] <sub>n</sub> , [Co <sub>2</sub> (pda)(ptz)] <sub>n</sub> , [Co(hfpbb)(bix) <sub>0.5</sub> ] <sub>n</sub> . <i>Crystal Growth and Design</i> , 2012, 12, 777-792.	1.4	76
29	A Manganese(II) Sandwich-type Phosphotungstate Complex as a 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
30	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
31	Ion-pair charge transfer complex with near-IR absorption: Synthesis, crystal structure and properties of [Hb] <sub>2</sub> [Cu(mnt) <sub>2</sub> ] (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
32	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
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. <i>Polyhedron</i> , 2010, 29, 2985-2990.	1.0	31
34	2-Aminoanilinium 2-chloroacetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1945-o1945.	0.2	4