Tanmoy Basak

List of Publications by Year
in descending order

18	381	759233 12	839539 18
papers	citations	h-index	g-index

18	18	18	182
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis, characterization and self assembly of dinuclear zinc Schiff base complexes: A combined experimental and theoretical study. Polyhedron, 2022, 225, 116044.	2.2	5
2	DFT study on CHâ‹¯O, CHÂ·Â·Â·SCN and SÂ·Â·Â· Ï€ interaction energies in three dinuclear mixed valence cobalt(III/II) complexes with secondary diamine ligands having inner N2O2 and outer O4 compartments. Polyhedron, 2022, , 116039.	2.2	1
3	Existence of stronger C HÂ·Â·Â·Ï€(chelate ring) interaction compared to C HÂ·Â·Â·Ï€(arene) interactions in the supramolecular assembly of dinuclear iron(III) Schiff base complexes: A theoretical insight. Inorganica Chimica Acta, 2021, 516, 120081.	2.4	9
4	Insight into non-covalent interactions in two triamine-based mononuclear iron(<scp>iii</scp>) Schiff base complexes with special emphasis on the formation of Brâ‹¯Ï€ halogen bonding. CrystEngComm, 2021, 23, 1578-1587.	2.6	8
5	Synthesis and characterization of a mononuclear zinc(<scp>ii</scp>) Schiff base complex: on the importance of Câ€“Hâ‹¯Ï€ interactions. RSC Advances, 2021, 11, 30148-30155.	3.6	13
6	Differentiating intramolecular spodium bonds from coordination bonds in two polynuclear zinc(<scp>ii</scp>) Schiff base complexes. CrystEngComm, 2021, 23, 2703-2710.	2.6	39
7	Hydrogen bond mediated intermolecular magnetic coupling in mononuclear high spin iron(<scp>iii</scp>) Schiff base complexes: synthesis, structure and magnetic study with theoretical insight. RSC Advances, 2021, 11, 3315-3323.	3.6	11
8	Synthesis, characterization, self-assembly and non-ohmic Schottky barrier diode behaviors of two iron(<scp>iii</scp>) based semiconductors with theoretical insight. CrystEngComm, 2020, 22, 5170-5181.	2.6	23
9	A theoretical insight into non-covalent supramolecular interactions in the solid state structures of two octahedral iron(<scp>iii</scp>) complexes. CrystEngComm, 2020, 22, 5731-5742.	2.6	14
10	A theoretical insight on the rigid hydrogen-bonded network in the solid state structure of two zinc(<scp>ii</scp>) complexes and their strong fluorescence behaviors. CrystEngComm, 2020, 22, 3005-3019.	2.6	19
11	Phosphatase-mimicking activity of a unique penta-nuclear zinc(<scp>ii</scp>) complex with a reduced Schiff base ligand: assessment of its ability to sense nitroaromatics. New Journal of Chemistry, 2019, 43, 4432-4443.	2.8	43
12	Photocatalytic ability of two hetero-tetranuclear complexes with CuO2Cd cores to degrade methylene blue: Influence of their structures on activity. Polyhedron, 2019, 170, 253-263.	2.2	18
13	The ability of a trinuclear zinc(II) Schiff base complex to act as a photocatalyst for the degradation of methylene blue and to mimic phosphatase. Polyhedron, 2019, 157, 449-457.	2.2	27
14	Synthesis, structure and magnetic characterization of a dinuclear and two mononuclear iron(III) complexes with N,O-donor Schiff base ligands. Polyhedron, 2018, 146, 42-54.	2.2	31
15	Synthesis, characterization and catechol oxidase mimicking activity of two iron(III) schiff base complexes. Polyhedron, 2018, 146, 81-92.	2.2	36
16	A trinuclear centrosymmetric zinc(II) Schiff base complex: Exploration of its photocatalytic and phosphatase mimicking activity. Inorganic Chemistry Communication, 2018, 98, 92-98.	3.9	20
17	A Combined Experimental and Theoretical Study on the Formation of a Cyclic Tetrameric Water Cluster and a Similar Type of Cyclic Cluster in Copper(II) Schiff Base Complexes. ChemistrySelect, 2017, 2, 9336-9343.	1.5	34
18	Phosphatase Mimicking Activity of Two Zinc(II) Schiff Base Complexes with Zn₂O₂ÂCores: NBO Analysis and MEP Calculation to Estimate Nonâ€Covalent Interactions. ChemistrySelect, 2017, 2, 6286-6295.	1.5	30