

# Tanmoy Basak

## List of Publications by Year in descending order

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18  
papers

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citations

759233

12  
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839539

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18  
docs citations

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times ranked

182  
citing authors

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