

# Ritwik Modak

## List of Publications by Year in descending order

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25  
papers

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623734

14  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

829  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Schiff base platform: structures, sensing of Zn(II) and PPI in aqueous medium and anticancer activity. Dalton Transactions, 2017, 46, 9498-9510.	3.3	56
2	Fluorescent sensing of Al <sup>3+</sup> by benzophenone based Schiff base chemosensor and live cell imaging applications: Impact of keto-enol tautomerism. Sensors and Actuators B: Chemical, 2017, 239, 1194-1204.	7.8	48
3	Doubly chloro bridged dimeric copper(II) complex: magneto-structural correlation and anticancer activity. Dalton Transactions, 2015, 44, 8876-8888.	3.3	45
4	A simple Schiff base molecular logic gate for detection of Zn <sup>2+</sup> in water and its bio-imaging application in plant system. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 321, 99-109.	3.9	42
5	Syntheses, crystal structures and catecholase activity of new dinuclear and cyclic trinuclear mixed valence cobalt (II, III) complexes. Inorganic Chemistry Communication, 2013, 37, 193-196.	3.9	38
6	Heterometallic Cu <sup>II</sup> Dy <sup>III</sup> Clusters of Different Nuclearities with Slow Magnetic Relaxation. Inorganic Chemistry, 2016, 55, 691-699.	4.0	37
7	Co <sup>II</sup> <sub>4</sub> , Co <sup>II</sup> <sub>7</sub> , and a Series of Co <sup>II</sup> <sub>2</sub> Ln <sup>III</sup> (Ln <sup>III</sup> = Nd <sup>III</sup> , Sm <sup>III</sup> ,) Tj ETQq1 1 0.784314 rgB Molecule Magnets. Inorganic Chemistry, 2016, 55, 10192-10202.	4.0	35
8	Syntheses, crystal structures, spectral studies, and DFT calculations of two new square planar Ni(II) complexes derived from pyridoxal-based Schiff base ligands. Journal of Coordination Chemistry, 2014, 67, 699-713.	2.2	26
9	Synthesis and characterization of a copper(II) complex of a ONN donor Schiff base ligand derived from pyridoxal and 2-(pyrid-2-yl)ethylamine. A novel pyridoxal based fluorescent probe. Journal of Molecular Structure, 2013, 1037, 352-360.	3.6	23
10	A highly selective ON-OFF probe for colorimetric and fluorometric sensing of Cu <sup>2+</sup> in water. RSC Advances, 2017, 7, 11312-11321.	3.6	23
11	Self-assembly of a cationic-cage via the formation of Ag-carbene bonds followed by imine condensation. Chemical Communications, 2019, 55, 6711-6714.	4.1	21
12	Self-Assembly of Octanuclear Pt <sup>II</sup> /Pd <sup>II</sup> Coordination Barrels and Uncommon Structural Isomerization of a Photochromic Guest in Molecular Space. JACS Au, 2021, 1, 2242-2248.	7.9	19
13	Syntheses, crystallographic characterization, catecholase activity and magnetic properties of three novel aqua bridged dinuclear nickel(II) complexes. Inorganica Chimica Acta, 2014, 416, 122-134.	2.4	18
14	Slow magnetic relaxation and water oxidation activity of dinuclear Co <sup>II</sup> Co <sup>III</sup> and unique triangular Co <sup>II</sup> Co <sup>II</sup> Co <sup>III</sup> mixed-valence complexes. Dalton Transactions, 2020, 49, 6328-6340.	3.3	15
15	Syntheses, crystal structures, spectral study and DFT calculation of three new copper(II) complexes derived from pyridoxal hydrochloride, N,N-dimethylethylenediamine and N,N-diethylethylenediamine. Journal of Molecular Structure, 2015, 1088, 38-49.	3.6	14
16	Homo and heterometallic rhomb-like Ni <sub>4</sub> and Mn <sub>2</sub> Ni <sub>2</sub> complexes. Polyhedron, 2014, 70, 155-163.	2.2	12
17	A Pyrene-Pyrazole Based Rotamer Senses Hg <sup>2+</sup> on the Nanomolar Scale. ChemistrySelect, 2017, 2, 2512-2519.	1.5	12
18	De novo approach for the synthesis of water-soluble interlocked and non-interlocked organic cages. Chemical Communications, 2021, 57, 3995-3998.	4.1	12

#	ARTICLE	IF	CITATIONS
19	Syntheses, crystal structures and spectroscopic characterization of two new octahedral nickel(II) complexes of a Schiff base ligand derived from pyridoxal and 2-(pyrid-2-yl)ethylamine. <i>Journal of Molecular Structure</i> , 2014, 1074, 271-278.	3.6	10
20	Syntheses and non-covalent interactions of naphthalene-bearing Schiff base complexes of Zn(II), Co(III), Cu(II) and V(IV): Selective detection of Zn(II). <i>Polyhedron</i> , 2016, 117, 834-846.	2.2	10
21	Family of MnIII <sub>4</sub> LnIII <sub>2</sub> (LnIII= SmIII, GdIII, DyIII) coordination clusters: Experimental and theoretical investigations. <i>Polyhedron</i> , 2016, 119, 202-215.	2.2	8
22	Slow Magnetic Relaxation in a Co <sub>2</sub> Dy Trimer and a Co <sub>2</sub> Dy <sub>2</sub> Tetramer. <i>Chemistry - an Asian Journal</i> , 2021, 16, 666-677.	3.3	8
23	Diazine based ligand supported CoII <sub>3</sub> and CoII <sub>4</sub> coordination complexes: role of anions. <i>New Journal of Chemistry</i> , 2018, 42, 17587-17596.	2.8	7
24	Bis{2-[(5-hydroxypentyl)iminomethyl]phenolato- $\eta^2$ N,O1}copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m412-m413.	0.2	1
25	Search for Structurally Resembled Mn/Ca Cubane Core of the Oxygen Evolving Complex of Photosystem II Yielded MnIV, MnIII <sub>3</sub> MnII and MnIII <sub>2</sub> CoII <sub>2</sub> Entities: Structure and Magnetism. <i>European Journal of Inorganic Chemistry</i> , 0, , .	2.0	1