

Bidhan Chandra Samanta

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

316
citations

933447

10
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

328
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying conventional Câ€“Hâ€“ï€(aryl) and unconventional Câ€“Hâ€“ï€(chelate) interactions in dinuclear Cu(<sc>ii</sc>) complexes: experimental observations, Hirshfeld surface and theoretical DFT study. <i>New Journal of Chemistry</i> , 2018, 42, 10202-10213.	2.8	72
2	Curing study of epoxy resin by new aromatic amine functional curing agents along with mechanical and thermal evaluation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 464, 38-46.	5.6	70
3	Developing novel zinc(<sc>ii</sc>) and copper(<sc>ii</sc>) Schiff base complexes: combined experimental and theoretical investigation on their DNA/protein binding efficacy and anticancer activity. <i>New Journal of Chemistry</i> , 2020, 44, 18347-18361.	2.8	28
4	Supramolecular self-assembly, DNA interaction, antibacterial and cell viability studies of Cu(II) and Ni(II) complexes derived from NNN donor Schiff base ligand. <i>Inorganica Chimica Acta</i> , 2019, 487, 128-137.	2.4	24
5	A square pyramidal copper(II) complex of a Schiff base ligand: synthesis, crystal structure, antibacterial and DNA interaction studies. <i>Transition Metal Chemistry</i> , 2017, 42, 69-78.	1.4	15
6	Exploring the Noncovalent Interactions of the Dinuclear Cu(II) Schiff Base Complex with Bovine Serum Albumin and Cell Viability against the SiHa Cancer Cell Line. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11364-11373.	2.6	15
7	Easy, selective and colorimetric detection of Zn(II), Cu(II), Fâ€“ ions by a new piperazine based Schiff base chemosensor along with molecular logic gate formation and live cell images study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 427, 113817.	3.9	14
8	A binuclear chloride bridged Cu(II) and a mononuclear Ni(II) complex: Synthesis, crystal structure, photo catalytic and biological studies. <i>Inorganica Chimica Acta</i> , 2021, 515, 120067.	2.4	12
9	Octahedral Ni(II) complex with new NNO donor Schiff base ligand: Synthesis, structure and Hirshfeld surface. <i>Journal of Molecular Structure</i> , 2017, 1130, 844-854.	3.6	11
10	Development of DNA intercalative, HSA binder pyridineâ€“based novel Schiff base Cu(II), Ni(II) complexes with effective anticancer property: A combined experimental and theoretical approach. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6473.	3.5	10
11	Hydrophobicityâ€“induced DNA, BSA binding, and biomaterial applications of a heteroleptic Cu(II) complex. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	3.5	8
12	Copper(II) complexes with NNN and NNO Schiff base ligands as efficient photodegradation agents for methylene blue, preferential BSA binder and biomaterial transplants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 422, 113565.	3.9	7
13	Active Bromoanilineâ€“Aldehyde Conjugate Systems and Their Complexes as Versatile Sensors of Multiple Cations with Logic Formulation and Efficient DNA/HSA-Binding Efficacy: Combined Experimental and Theoretical Approach. <i>ACS Omega</i> , 2021, 6, 3659-3674.	3.5	6
14	Piperidine based effective chemosensor for Zn(II) with the formation of binuclear Zn complex having specific Al(III) detection ability in aqueous medium and live cell images. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 415, 113302.	3.9	6
15	Amine-terminated poly(ethylene glycol) benzoate (ATPEGCB)-modified epoxy: mechanical and thermal properties. <i>Journal of Adhesion Science and Technology</i> , 2006, 20, 491-502.	2.6	4
16	Synthesis, structure, and biological properties of a Co(II) complex with tridentate Schiff base ligand. <i>Journal of Coordination Chemistry</i> , 2018, 71, 1497-1509.	2.2	4
17	Response of Ancillary Azide Ligand in Designing a 1D Copper(II) Polymeric Complex along with the Introduction of High DNA- and HAS-Binding Efficacy, Leading to Impressive Anticancer Activity: A Compact Experimental and Theoretical Approach. <i>ACS Omega</i> , 2022, 7, 23276-23288.	3.5	4
18	Effect of ancillary ligand on DNA and protein interaction of the two Zn (II) and Co (III) complexes: experimental and theoretical study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 14188-14203.	3.5	3

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19	Significant photodegradation of carcinogenic organic dyes by a 1D supramolecular heteroleptic Cu(II) complex under sunlight irradiation. <i>New Journal of Chemistry</i> , 2022, 46, 11804-11811.	2.8	3