

# Bidhan Chandra Samanta

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5281353/publications.pdf>

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	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
2	Development of DNA intercalative, HSA binder pyridine-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
3	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
4	Easy, selective and colorimetric detection of Zn(II), Cu(II), F <sup>+</sup> 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
5	Hydrophobicity-induced DNA, BSA binding, and biomaterial applications of a heteroleptic Cu(II) complex. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	3.5	8
6	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
7	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
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	Active Bromoaniline-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
10	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
11	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
12	Developing novel zinc(II) and copper(II) 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
13	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
14	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
15	Quantifying conventional H <sup>+</sup> (aryl) and unconventional H <sup>+</sup> (chelate) interactions in dinuclear Cu(II) complexes: experimental observations, Hirshfeld surface and theoretical DFT study. <i>New Journal of Chemistry</i> , 2018, 42, 10202-10213.	2.8	72
16	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
17	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
18	Curing study of epoxy resin by new aromatic amine functional curing agents along with mechanical and thermal evaluation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 464, 38-46.	5.6	70

#	ARTICLE	IF	CITATIONS
19	Amine-terminated poly(ethylene glycol) benzoate (ATPEGB)-modified epoxy: mechanical and thermal properties. <i>Journal of Adhesion Science and Technology</i> , 2006, 20, 491-502.	2.6	4