

Urmila Saha

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|-------------------|-----------------------|----------------|-----------------|
| 25 papers | 246 citations | 10 h-index | 14 g-index |
| 26 ext. papers | 302 ext. citations | 3.7 avg, IF | 3.67 L-index |

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 25 | Anthracene-triazole-dicarboxylate-Based Zn(II) 2D Metal Organic Frameworks for Efficient Catalytic Carbon Dioxide Fixation into Cyclic Carbonates under Solvent-Free Condition and Theoretical Study for the Reaction Mechanism. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 175-186 | 3.9 | 4 |
| 24 | Design and synthesis of a sulphur containing Schiff base drug: DNA binding studies and theoretical calculations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 263-271 | 3.6 | 1 |
| 23 | Targeting nucleic acid with a bioactive fluorophore: Insights from spectroscopic and calorimetric studies. <i>Journal of Molecular Structure</i> , 2020 , 1220, 128690 | 3.4 | 5 |
| 22 | New DNA-Interactive Manganese(II) Complex of Amidooxime: Crystal Structure, DFT Calculation, Biophysical and Molecular Docking Studies. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 5393-5404 | 2.8 | 3 |
| 21 | DNA intercalative trinuclear Cu(II) complex with new trans axial nitrato ligation as an efficient catalyst for atmospheric CO ₂ fixation to epoxides. <i>CrystEngComm</i> , 2020 , 22, 8374-8386 | 3.3 | 2 |
| 20 | A simple Cu(II) complex of phenolic oxime: synthesis, crystal structure, supramolecular interactions, DFT calculation and catecholase activity study. <i>Heliyon</i> , 2020 , 6, e04942 | 3.6 | 2 |
| 19 | Adaptable DNA-Interactive Probe Proficient at Selective Turn-On Sensing for Al: Insight from the Crystal Structure, Photophysical Studies, and Molecular Logic Gate. <i>ACS Omega</i> , 2020 , 5, 18411-18423 | 3.9 | 5 |
| 18 | Biophysical and Thermodynamic Investigations on the Differentiation of Fluorescence Response towards Interaction of DNA: A Pyrene-Based Receptor versus Its Fe(III) Complex.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 7810-7820 | 4.1 | 3 |
| 17 | Drug-surfactant comicellization: Propranolol hydrochloride-surface active ionic liquid systems in aqueous medium. <i>Journal of Molecular Liquids</i> , 2020 , 309, 113164 | 6 | 7 |
| 16 | Adaptable sensor for employing fluorometric detection of methanol molecules: theoretical aspects and DNA binding studies. <i>New Journal of Chemistry</i> , 2019 , 43, 8982-8992 | 3.6 | 16 |
| 15 | Effect of bovine serum albumin on tartrate-modified manganese ferrite nano hollow spheres: spectroscopic and toxicity study. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 10726-10737 | 3.6 | 5 |
| 14 | Targeting human telomeric DNA quadruplex with novel berberrubine derivatives: insights from spectroscopic and docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 1375-1389 | 3.6 | 11 |
| 13 | Calorimetric insights into the interaction of novel berberrubine derivatives with human telomeric G-quadruplex DNA sequence. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 623-630 | 4.1 | 5 |
| 12 | Rhodamine based turn-on chemosensor for Fe ³⁺ in aqueous medium and interactions of its Fe ³⁺ complex with DNA. <i>New Journal of Chemistry</i> , 2018 , 42, 3435-3443 | 3.6 | 17 |
| 11 | Synthesis, structure and DNA binding studies of oxime based [Mn ₃ (μ ₃ -O)] ⁷⁺ complex. <i>Inorganica Chimica Acta</i> , 2018 , 483, 211-217 | 2.7 | 11 |
| 10 | Single sensors for multiple analytes employing fluorometric differentiation for Cr ³⁺ and Al ³⁺ in semi-aqueous medium with bio-activity and theoretical aspects. <i>Analytical Methods</i> , 2018 , 10, 4063-4072 | 3.2 | 16 |
| 9 | Amidooxime-Based Mononuclear Mn(II) Complexes: Synthesis, Characterization, and Studies on DNA Binding and Nuclease Activity. <i>ChemistrySelect</i> , 2018 , 3, 6935-6941 | 1.8 | 8 |

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| 8 | Design and development of bioactive γ -hydroxy carboxylate group modified MnFe_2O_4 nanoparticle: Comparative fluorescence study, magnetism and DNA nuclease activity. <i>Materials Today Chemistry</i> , 2017 , 5, 92-100 | 6.2 | 10 |
| 7 | Synthesis, structure, DNA binding studies and nuclease activities of two luminescent neodymium complexes. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 2920-2941 | 1.6 | 7 |
| 6 | Development of a multifunctional biomimicking L-cysteine based oxovanadium(IV) complex: synthesis, DFT calculations, bromo-peroxidation and nuclease activity. <i>RSC Advances</i> , 2015 , 5, 94462-94473 | 3.7 | 16 |
| 5 | Rapid detection of hydrazine in a naphthol-fused chromenyl loop and its effectiveness in human lung cancer cells: tuning remarkable selectivity via the reaction altered pathway supported by theoretical studies. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 2134-9 | 3.9 | 25 |
| 4 | DNA binding and nuclease activity of an oxovanadium valinato-Schiff base complex. <i>International Journal of Biological Macromolecules</i> , 2014 , 66, 166-71 | 7.9 | 26 |
| 3 | A light harvesting mononuclear manganese(II) complex: synthesis, characterization, DFT and TDDFT calculations and photophysical profile. <i>RSC Advances</i> , 2014 , 4, 15558-15568 | 3.7 | 7 |
| 2 | Synthesis of 2D polymeric dicyanamide bridged hexa-coordinated Cu(II) complex: Structural characterization, spectral studies and TDDFT calculation. <i>Journal of Molecular Structure</i> , 2014 , 1075, 286-291 | 3.4 | 7 |
| 1 | An amino acid coordinated vanadium (IV) complex: Synthesis, structure, DFT calculations and VHPO mimicking catalytic bromoperoxidation of organic substrates. <i>Inorganic Chemistry Communication</i> , 2013 , 38, 43-46 | 3.1 | 27 |