

# Sanjit Dey

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

675  
citations

430874

18  
h-index

610901

24  
g-index

38  
all docs

38  
docs citations

38  
times ranked

767  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A mononuclear zinc complex with a diamine: Synthesis, characterization, self assembly, luminescence property and DFT calculations. <i>Journal of Molecular Structure</i> , 2022, 1249, 131598.  | 3.6 | 3         |
| 2  | 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         |
| 3  | An insight into the interaction between $\hat{\pm}$ -ketoamide- based inhibitor and coronavirus main protease: A detailed in silico study. <i>Biophysical Chemistry</i> , 2021, 269, 106510.  | 2.8 | 11        |
| 4  | Phenoxy-bridged dinuclear mixed valence cobalt( $\text{III}$ / $\text{II}$ ) complexes with reduced Schiff base ligands: synthesis, characterization, band gap measurements and fabrication of Schottky barrier diodes. <i>Dalton Transactions</i> , 2021, 50, 1721-1732.                                   | 3.3 | 25        |
| 5  | Role of non-covalent interactions in the supramolecular architectures of mercury( $\text{II}$ ) diphenyldithiophosphates: An experimental and theoretical investigation. <i>New Journal of Chemistry</i> , 2021, 45, 2249-2263.   | 2.8 | 29        |
| 6  | Multi- $\text{C}^{\sim}\text{C}^{\sim}\text{N}^{\sim}$ Coupled Light-Emitting Aliphatic Terpolymers: $\text{N}^{\sim}\text{H}^{\sim}$ Functionalized Fluorophore Monomers and High-Performance Applications. <i>Chemistry - A European Journal</i> , 2020, 26, 502-516.                                     | 3.3 | 21        |
| 7  | An insight into the non-covalent $\text{Pb}^{\sim}\text{S}$ and $\text{S}^{\sim}\text{S}$ interactions in the solid-state structure of a hemidirected lead( $\text{II}$ ) complex. <i>CrystEngComm</i> , 2020, 22, 237-247.   | 2.6 | 28        |
| 8  | Field-induced single molecule magnet behavior of a dinuclear cobalt( $\text{II}$ ) complex: a combined experimental and theoretical study. <i>Dalton Transactions</i> , 2020, 49, 16778-16790.  | 3.3 | 18        |
| 9  | Fluorescent Terpolymers Using Two Non-Emissive Monomers for Cr(III) Sensors, Removal, and Bio-Imaging. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1397-1407.  | 5.2 | 26        |
| 10 | Understanding a Thermoemissive ESIPT-Based Solid-State Off-On Switch as a Dual-Channel Chemosensor in Solid and Solution Phases: Detailed Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18181-18193.  | 3.1 | 15        |
| 11 | Synthesis, characterization, self-assembly and non-ohmic Schottky barrier diode behaviors of two iron( $\text{III}$ ) based semiconductors with theoretical insight. <i>CrystEngComm</i> , 2020, 22, 5170-5181.   | 2.6 | 23        |
| 12 | Synthesis of Biocompatible Aliphatic Terpolymers via In Situ Fluorescent Monomers for Three-in-One Applications: Polymerization of Hydrophobic Monomers in Water. <i>Langmuir</i> , 2020, 36, 6178-6187.  | 3.5 | 28        |
| 13 | Light-Emitting Multifunctional Maleic Acid- $\text{CO}_2$ - $\text{N}$ -(hydroxymethyl)acrylamido)succinic Acid- $\text{CO}_2$ - $\text{N}$ -(hydroxymethyl)acrylamide for Fe(III) Sensing, Removal, and Cell Imaging. <i>ACS Omega</i> , 2020, 5, 3333-3345.   | 3.5 | 20        |
| 14 | Fluorescent Guar Gum-g-Terpolymer via In Situ Acrylamido-Acid Fluorophore-Monomer in Cell Imaging, Pb(II) Sensor, and Security Ink. <i>ACS Applied Bio Materials</i> , 2020, 3, 1995-2006.  | 4.6 | 30        |
| 15 | A theoretical insight on the rigid hydrogen-bonded network in the solid state structure of two zinc( $\text{II}$ ) complexes and their strong fluorescence behaviors. <i>CrystEngComm</i> , 2020, 22, 3005-3019.  | 2.6 | 19        |
| 16 | Effect of Main Versus Ancillary Ligand Substitution on the Photophysical Properties of a Series of Ir(III) Complexes: A Detailed Theoretical Investigation. <i>Journal of Physical Chemistry A</i> , 2020, 124, 4654-4665.  | 2.5 | 5         |
| 17 | Fluorescent Terpolymers via In Situ Allocation of Aliphatic Fluorophore Monomers: Fe(III) Sensor, High-Performance Removals, and Bioimaging. <i>Advanced Healthcare Materials</i> , 2019, 8, 1900980.   | 7.6 | 28        |
| 18 | Relative stability of the <i>cis</i> and <i>trans</i> isomers of octahedral cobalt( $\text{III}$ ) complexes of the type $[\text{Co}(\text{N}_2\text{O}_2\text{X})_2]$ with tetradentate salen type Schiff bases: a combined theoretical and experimental study. <i>CrystEngComm</i> , 2019, 21, 6026-6037. | 2.6 | 15        |

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|----|---|-----|-----------|
| 19 | Synthesis, structure, DFT study and catechol oxidase activity of Cu(II) complex with sterically constrained phenol based ligand. <i>Journal of Molecular Structure</i> , 2019, 1193, 265-273.   | 3.6 | 14        |
| 20 | DFT study on the redox behavior of two dioxovanadium( $\text{V}$ ) complexes with $\text{N}_2\text{O}$ donor Schiff base ligands and their use in catalytic oxidation of <i>ortho</i> -aminophenol. <i>New Journal of Chemistry</i> , 2019, 43, 18747-18759.                      | 2.8 | 20        |
| 21 | Magnetic Properties of End-to-End Azide-Bridged Tetranuclear Mixed-Valence Cobalt(III)/Cobalt(II) Complexes with Reduced Schiff Base Blocking Ligands and DFT Study. <i>ACS Omega</i> , 2019, 4, 20634-20643.   | 3.5 | 23        |
| 22 | Quantum chemical predictions of aqueous pK values for OH groups of some $\alpha$ -hydroxycarboxylic acids based on ab initio and DFT calculations. <i>Computational and Theoretical Chemistry</i> , 2018, 1125, 29-38.  | 2.5 | 19        |
| 23 | A mixed phenoxo and end-on azide bridged dinuclear copper( $\text{II}$ ) Schiff base complex: synthesis, structure, magnetic characterization and DFT study. <i>New Journal of Chemistry</i> , 2018, 42, 13512-13519.   | 2.8 | 16        |
| 24 | Understanding the Difference in Photophysical Properties of Cyclometalated Iridium(III) and Rhodium(III) Complexes by Detailed Time-Dependent Density Functional Theory and Frontier Molecular Orbital Supports. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11632-11642. | 3.1 | 15        |
| 25 | Radiosensitizing effect of ellagic acid on growth of Hepatocellular carcinoma cells: an in vitro study. <i>Scientific Reports</i> , 2017, 7, 14043.   | 3.3 | 28        |
| 26 | Understanding the ring-opening, chelation and non-chelation reactions between nedaplatin and thiosulfate: a DFT study based on NBO, ETS-NOCV and QTAIM. <i>Theoretical Chemistry Accounts</i> , 2016, 135, 1.   | 1.4 | 5         |
| 27 | Cyclometalated rhodium(III) complexes bearing dithiocarbamate derivative: Synthesis, characterization, interaction with DNA and biological study. <i>Polyhedron</i> , 2014, 69, 127-134.  | 2.2 | 19        |
| 28 | Synthesis, characterization, interactions with DNA and bovine serum albumin (BSA), and antibacterial activity of cyclometalated iridium(III) complexes containing dithiocarbamate derivatives. <i>Journal of Coordination Chemistry</i> , 2014, 67, 2643-2660.                    | 2.2 | 18        |
| 29 | A naphthelene-pyrazol conjugate: Al( $\text{III}$ ) ion-selective blue shifting chemosensor applicable as biomarker in aqueous solution. <i>Analyst</i> , 2014, 139, 4828-4835.   | 3.5 | 44        |
| 30 | Efficient and Convenient Methods for Synthesis of Some Phthalazine Derivatives and Their Evaluation of Cytotoxicity. <i>Synthetic Communications</i> , 2014, 44, 847-857.   | 2.1 | 3         |
| 31 | Substituent effect on fluorescence signaling of the cell permeable $\text{HSO}_4^-$ receptors through single point to ratiometric response in green solvent. <i>RSC Advances</i> , 2014, 4, 27665-27673.  | 3.6 | 19        |
| 32 | Interactions of the aquated forms of the anticancer drug AMD443 with DNA purine bases: A detailed computational approach. <i>Inorganica Chimica Acta</i> , 2013, 400, 130-141.  | 2.4 | 4         |
| 33 | An oxorhenium(V) Schiff-base complex: synthesis, structure, spectroscopic characterization, electrochemistry, and DFT calculations. <i>Journal of Coordination Chemistry</i> , 2013, 66, 1178-1188.   | 2.2 | 10        |
| 34 | A detailed quantum chemical study of the interactions of $[\text{Pt}(\text{dien})\text{Cl}]^+$ with a series of S-donor ligands: A computational approach. <i>Computational and Theoretical Chemistry</i> , 2012, 991, 116-123.   | 2.5 | 14        |
| 35 | A detailed theoretical DFT study of the hydrolysis mechanism of orally active anticancer drug ZD0473. <i>Chemical Physics Letters</i> , 2010, 487, 108-115.   | 2.6 | 30        |
| 36 | trans-Platinum anticancer drug AMD443: A detailed theoretical study by DFT-TST method on the hydrolysis mechanism. <i>Chemical Physics Letters</i> , 2010, 497, 142-148.  | 2.6 | 13        |

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|----|--|-----|-----------|
| 37 | A detailed theoretical study of the interaction of thiourea with cis-diaqua(ethylenediamine) platinum(II). Computational and Theoretical Chemistry, 2009, 913, 97-106. | 1.5 | 12        |