

Sanjit Dey

List of Publications by Year in descending order

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37
papers

675
citations

430874

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24
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all docs

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docs citations

38
times ranked

767
citing authors

#	ARTICLE	IF	CITATIONS
1	A naphthelene-pyrazol conjugate: Al(III) ion-selective blue shifting chemosensor applicable as biomarker in aqueous solution. <i>Analyst</i> , The, 2014, 139, 4828-4835.	3.5	44
2	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
3	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
4	Role of non-covalent interactions in the supramolecular architectures of mercury(II) diphenyldithiophosphates: An experimental and theoretical investigation. <i>New Journal of Chemistry</i> , 2021, 45, 2249-2263.	2.8	29
5	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
6	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
7	An insight into the non-covalent Pb-S and S-S interactions in the solid-state structure of a hemidirected lead(II) complex. <i>CrystEngComm</i> , 2020, 22, 237-247.	2.6	28
8	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
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	Phenoxy-bridged dinuclear mixed valence cobalt(III)/cobalt(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
11	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
12	Synthesis, characterization, self-assembly and non-ohmic Schottky barrier diode behaviors of two iron(III) based semiconductors with theoretical insight. <i>CrystEngComm</i> , 2020, 22, 5170-5181.	2.6	23
13	Multi-Ca ²⁺ /Ca ²⁺ -Coupled Light-Emitting Aliphatic Terpolymers: Na ⁺ -Functionalized Fluorophore Monomers and High-Performance Applications. <i>Chemistry - A European Journal</i> , 2020, 26, 502-516.	3.3	21
14	DFT study on the redox behavior of two dioxovanadium(V) complexes with N ₂ O donor Schiff base ligands and their use in catalytic oxidation of ortho-aminophenol. <i>New Journal of Chemistry</i> , 2019, 43, 18747-18759.	2.8	20
15	Light-Emitting Multifunctional Maleic Acid-co-2-N-(hydroxymethyl)acrylamido)succinic Acid-co-N-(hydroxymethyl)acrylamide for Fe(III) Sensing, Removal, and Cell Imaging. <i>ACS Omega</i> , 2020, 5, 3333-3345.	3.5	20
16	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
17	Substituent effect on fluorescence signaling of the cell permeable HSO ₄ ⁻ receptors through single point to ratiometric response in green solvent. <i>RSC Advances</i> , 2014, 4, 27665-27673.	3.6	19
18	Quantum chemical predictions of aqueous pK values for OH groups of some α -hydroxycarboxylic acids based on ab initio and DFT calculations. <i>Computational and Theoretical Chemistry</i> , 2018, 1125, 29-38.	2.5	19

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19	A theoretical insight on the rigid hydrogen-bonded network in the solid state structure of two zinc(Zn^{II}) complexes and their strong fluorescence behaviors. <i>CrystEngComm</i> , 2020, 22, 3005-3019.	2.6	19
20	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
21	Field-induced single molecule magnet behavior of a dinuclear cobalt(Co^{II}) complex: a combined experimental and theoretical study. <i>Dalton Transactions</i> , 2020, 49, 16778-16790.	3.3	18
22	A mixed phenoxo and end-on azide bridged dinuclear copper(Cu^{II}) Schiff base complex: synthesis, structure, magnetic characterization and DFT study. <i>New Journal of Chemistry</i> , 2018, 42, 13512-13519.	2.8	16
23	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
24	Relative stability of the <i>cis</i> and <i>trans</i> isomers of octahedral cobalt(Co^{III}) complexes of the type $[\text{Co}(\text{N}_2)_2(\text{O}_2)_2\text{X}_2]$ with tetradentate salen type Schiff bases: a combined theoretical and experimental study. <i>CrystEngComm</i> , 2019, 21, 6026-6037.	2.6	15
25	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
26	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
27	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
28	<i>trans</i> -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
29	A detailed theoretical study of the interaction of thiourea with <i>cis</i> -diaqua(ethylenediamine) platinum(II). <i>Computational and Theoretical Chemistry</i> , 2009, 913, 97-106.	1.5	12
30	An insight into the interaction between β -ketoamide-based inhibitor and coronavirus main protease: A detailed in silico study. <i>Biophysical Chemistry</i> , 2021, 269, 106510.	2.8	11
31	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
32	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
33	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
34	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
35	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
36	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

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37	A mononuclear zinc complex with a diamine: Synthesis, characterization, self assembly, luminescence property and DFT calculations. Journal of Molecular Structure, 2022, 1249, 131598.	3.6	3