

Paritosh Mondal

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Remote ^1H activation of indole aldehydes: an investigation of the mechanism, origin of selectivities, and role of the catalyst. <i>New Journal of Chemistry</i> , 2022, 46, 2761-2776.	1.4	1
2	Liquid crystalline oxovanadium(IV) and copper(II) complexes of halogen-substituted salphen ligands: role of metal and spacer substituents. <i>Liquid Crystals</i> , 2021, 48, 902-914.	0.9	2
3	A detailed quantum chemical investigation on the hydrolysis mechanism of osmium($\text{Os}(\text{Os-NAMI-A}; \text{Im} = \text{imidazole})$) anticancer drug, $(\text{ImH})[\text{trans-OsCl}_4(\text{DMSO})(\text{Im})]$ ($\text{Os-NAMI-A}; \text{Im} = \text{imidazole}$). <i>New Journal of Chemistry</i> , 2021, 45, 5682-5694.	1.4	5
4	A density functional theory investigation on bis(diethylamino)cyclopropenyliene catalyzed synthesis of 1,4-bifunctional compounds. <i>Journal of Physical Organic Chemistry</i> , 2021, 34, e4219.	0.9	2
5	A Density Functional Theory Study on Et-BAC-Catalyzed 1,6-Conjugate Addition of p -Chlorobenzaldehyde to p -Quinone Methide for the Synthesis of α,β -Diarylated Ketones. <i>Journal of Organic Chemistry</i> , 2021, 86, 9040-9054.	1.7	6
6	Quantum Chemical Investigations on the Hydrolysis of Gold(III)-Based Anticancer Drugs and Their Interaction with Amino Acid Residues. <i>ACS Omega</i> , 2021, 6, 28084-28097.	1.6	3
7	Quantum chemical investigation on the interaction of cysteine and DNA purine bases with aquated ruthenium(III) anticancer drug $(\text{ImH})[\text{trans-RuCl}_4(\text{Im})_2]$. <i>Computational and Theoretical Chemistry</i> , 2020, 1172, 112664.	1.1	2
8	Mechanistic Insights into the N -Heterocyclic Carbene Catalyzed Synthesis of α,β -Diketones: A DFT Approach. <i>ChemistrySelect</i> , 2020, 5, 11996-12008.	0.7	4
9	Theoretical Insight towards Mechanism, Role of NHC and DBU in the Synthesis of Substituted Quinolines. <i>ChemistrySelect</i> , 2020, 5, 1300-1307.	0.7	4
10	Computation-led design of pollutant gas sensors with bare and carbon nanotube supported rhodium alloys. <i>Monatshefte für Chemie</i> , 2020, 151, 159-171.	0.9	4
11	Density functional investigation on structural, electronic and magnetic properties of ruthenium- or osmium-doped rhodium clusters and their application towards H_2S gas sensing and activation. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	0
12	Density functional studies on structural, electronic and magnetic properties of Rh_n ($n = 9-20$) clusters and O-H bond of methanol activation by pure and ruthenium-doped rhodium clusters. <i>Theoretical Chemistry Accounts</i> , 2019, 138, 1.	0.5	3
13	Density functional theory study of structure, electronic and magnetic properties of non-metal (Group 13) doped stable Rh_n ($n = 2-8$) clusters and their catalytic activities towards methanol activation. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	0.7	3
14	Multifunctional Lanthanide Complexes: Mesomorphism, Photoluminescence and Second Order NLO Property. <i>ChemistrySelect</i> , 2018, 3, 8245-8251.	0.7	8
15	Density Functional Approach Toward the Adsorption of Molecular Hydrogen as Well as the Formation of Metal Hydride on Bare and Activated Carbon-Supported Rhodium Clusters. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16925-16939.	1.5	6
16	A density functional study on the electronic structure, nature of bonding and reactivity of NO adsorbing Rh_n ($n = 2-8$) clusters. <i>New Journal of Chemistry</i> , 2018, 42, 1121-1132.	1.4	9
17	Coumarin Based Fluorescent Probe for Colorimetric Detection of Fe^{3+} and Fluorescence Turn On-Off Response of Zn^{2+} and Cu^{2+} . <i>Journal of Fluorescence</i> , 2017, 27, 1307-1321.	1.3	35
18	Zinc(II)-salphen complexes bearing long alkoxy side arms: Synthesis, solvent dependent aggregation, and spacer group substituent effect on mesomorphism and photophysical property. <i>Journal of Molecular Liquids</i> , 2017, 246, 290-301.	2.3	14

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19	Density Functional Study on Structure and Bonding Nature of CO Adsorbed Rh _n ⁺ (n = 2-8) Clusters. Journal of Cluster Science, 2017, 28, 2601-2622.	1.7	4
20	Structural, electronic and catalytic properties of single magnesium atom doped small neutral Rh _n (n) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	9
21	Induction of Mesomorphism through Supramolecular Assembly in Metal Coordination Compounds of α -salphen-Type Schiff Bases: Photoluminescence and Solvatochromism. European Journal of Inorganic Chemistry, 2016, 2016, 4604-4614.	1.0	18
22	Complexation study of Schiff base ligand: pyridin-2-ylimino methyl naphthanol with Co ²⁺ , Mn ²⁺ and Ni ²⁺ ions in solid and solution phase. Journal of Coordination Chemistry, 2016, 69, 2364-2376.	0.8	3
23	Iron(III) metallomesogen of [N2O2] donor Schiff base ligand containing 4-substituted alkoxy chains. Liquid Crystals, 2016, 43, 1606-1615.	0.9	7
24	A new coumarin based dual functional chemosensor for colorimetric detection of Fe ³⁺ and fluorescence turn-on response of Zn ²⁺ . Sensors and Actuators B: Chemical, 2016, 236, 719-731.	4.0	47
25	A highly efficient and selective coumarin based fluorescent probe for colorimetric detection of Fe ³⁺ and fluorescence dual sensing of Zn ²⁺ and Cu ²⁺ . RSC Advances, 2016, 6, 63837-63847.	1.7	44
26	Structural evolution, electronic and magnetic manners of small rhodium Rh _n ⁺ (n = 2-8) clusters: a detailed density functional theory study. RSC Advances, 2016, 6, 6946-6959.	1.7	10
27	Photoluminescent tetrahedral d ¹⁰ -metal Schiff base complexes exhibiting highly ordered mesomorphism. Polyhedron, 2016, 105, 150-158.	1.0	9
28	Interaction of ruthenium(ⁱⁱ) antitumor complexes with d(ATATAT) ₂ and d(GCGCGC) ₂ : a theoretical study. New Journal of Chemistry, 2015, 39, 2515-2522.	1.4	15
29	Quantum Chemical Studies on Detail Mechanism of Nitrosylation of NAMI-A-HSA Adduct. Journal of Physical Chemistry B, 2015, 119, 10456-10465.	1.2	3
30	A new turn-on fluorescent chemosensor based on sensitive Schiff base for Mn ²⁺ ion. Journal of Luminescence, 2015, 165, 167-173.	1.5	25
31	Synthesis and aggregation behaviour of luminescent mesomorphic zinc(ⁱⁱ) complexes with α -salen TM type asymmetric Schiff base ligands. Dalton Transactions, 2015, 44, 7477-7488.	1.6	38
32	Novel water soluble neutral vanadium(IV) α -antibiotic complex: Antioxidant, immunomodulatory and molecular docking studies. European Journal of Medicinal Chemistry, 2015, 97, 214-224.	2.6	21
33	Interaction of aquated form of ruthenium(III) anticancer complexes with normal and mismatch base pairs: A density functional theoretical study. Computational and Theoretical Chemistry, 2015, 1072, 28-36.	1.1	13
34	Mixed ligand complexes of cobalt(III) and iron(III) containing N2O2-chelating Schiff base: Synthesis, characterisation, antimicrobial activity, antioxidant and DFT study. Journal of Molecular Structure, 2015, 1100, 496-505.	1.8	33
35	Influence of spacer group substituent on mesomorphism in copper complexes of α -salen TM type Schiff bases bearing long alkoxy arm. Liquid Crystals, 2014, 41, 541-551.	0.9	11
36	Newer mixed ligand Schiff base complexes from aquo-N-(2-hydroxy acetophenone) glycinatocopper(II) as synthon: DFT, antimicrobial activity and molecular docking study. Journal of Molecular Structure, 2014, 1059, 309-319.	1.8	26

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37	Interactions of the aquated forms of ruthenium(II) anticancer drugs with protein: a detailed molecular docking and QM/MM investigation. RSC Advances, 2014, 4, 60548-60556.	1.7	10
38	Synthesis, mesomorphic, photophysical and computational studies of new achiral four-ring unsymmetrical bent-core mesogens and their Copper(II) complexes. Liquid Crystals, 2014, 41, 1367-1381.	0.9	6
39	Tunable Emissive Lanthanidomesogen Derived from a Room Temperature Liquid Crystalline Schiff Base Ligand. Chemistry - A European Journal, 2013, 19, 13151-13159.	1.7	17
40	Photoluminescent columnar zinc(II) bimetallo mesogen of tridentate [ONO]-donor Schiff base ligand. Liquid Crystals, 2013, 40, 942-950.	0.9	12
41	Green emissive salicylaldimine-based polar Schiff bases with short alkoxy tails and their copper(II)/oxovanadium(IV) complexes: synthesis and mesomorphism. Liquid Crystals, 2012, 39, 373-385.	0.9	8
42	Oxovanadium (IV) complexes of bidentate [N,O] donor Schiff-base ligands: synthesis and mesomorphism. Phase Transitions, 2012, 85, 956-972.	0.6	8
43	Liquid crystalline dinuclear copper(II) complexes accessed from photoluminescent tridentate [ONO]-donor Schiff base ligands. Liquid Crystals, 2012, 39, 639-646.	0.9	9
44	Emissive zinc(II)-salphen™ core: building block for columnar liquid crystals. Liquid Crystals, 2012, 39, 1435-1442.	0.9	16
45	Induced columnar mesomorphism in non-discoid VO ₂ +salphen complexes: Transition between two rectangular columnar phases. Liquid Crystals, 2012, 39, 819-826.	0.9	6
46	Synthesis, reactivity, thermal, electrochemical and magnetic studies on iron(III) complexes of tetradentate Schiff base ligands. Inorganica Chimica Acta, 2012, 387, 86-92.	1.2	39
47	Novel photoluminescent mesogenic Schiff-base ligands bearing [N ₄ O ₄] donors and their bimetallic Zn(II) complexes. Materials Science and Engineering C, 2012, 32, 735-741.	3.8	11
48	Induction of photoluminescence and columnar mesomorphism in hemi-disc salphen type Schiff bases via nickel(II) coordination. Polyhedron, 2012, 33, 417-424.	1.0	20
49	Novel non-discoid chiral copper(II)-salen type [N ₂ O ₂] donor Schiff base complexes with a cyclohexane diamine spacer: synthesis, electrochemistry, columnar mesomorphism and DFT study. Liquid Crystals, 2011, 38, 441-449.	0.9	15
50	Reactivity of tris(acetylacetonato) iron(III) with tridentate [ONO] donor Schiff base as an access to newer mixed-ligand iron(III) complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 1408-1415.	2.0	18
51	Novel Green Light Emitting Nondiscoid Liquid Crystalline Zinc(II) Schiff Base Complexes. European Journal of Inorganic Chemistry, 2011, 2011, 1418-1424.	1.0	46
52	Photoluminescent Hemidisc Shaped Liquid Crystalline Nickel(II) Schiff Base Complexes. European Journal of Inorganic Chemistry, 2011, 2011, 5390-5396.	1.0	24
53	Lamellar columnar mesomorphism in a series of oxovanadium(IV) complexes derived from N, N'-di-(4-n-alkoxysalicylidene)diaminobenzene. Inorganic Chemistry Communication, 2011, 14, 606-612.	1.8	23
54	Novel photoluminescent lanthanidomesogens forming bilayer smectic phase derived from blue light emitting liquid crystalline, one ring O-donor Schiff-base ligands. Polyhedron, 2011, 30, 1040-1047.	1.0	22

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55	Synthesis, characterisation and mesomorphic properties of a homologous series of oxovanadium(IV) complexes containing a bidentate [N,O] donor Schiff base mesogen. <i>Liquid Crystals</i> , 2011, 38, 717-727.	0.9	9
56	Liquid-crystalline oxovanadium(IV) complexes accessed from bidentate [N, O] donor salicylaldimine Schiff-base ligands. <i>Journal of Coordination Chemistry</i> , 2011, 64, 3273-3289.	0.8	8
57	Plastic columnar mesomorphism in half-disc-shaped oxovanadium(IV) Schiff base complexes. <i>Liquid Crystals</i> , 2011, 38, 615-623.	0.9	15
58	Vanadyl(IV) complexes of 4-alkoxy substituted [N,O] donor salicylaldimine Schiff bases derived from chloro-/nitro-aniline: synthesis, mesomorphism, and DFT study. <i>Journal of Coordination Chemistry</i> , 2011, 64, 2746-2760.	0.8	7
59	Novel photoluminescent hemi-disc-like liquid crystalline Zn(II) complexes of [N ₂ O ₂] donor 4-alkoxy substituted salicylaldimine Schiff base with aromatic spacer. <i>Polyhedron</i> , 2010, 29, 3089-3096.	1.0	66
60	Synthesis, structural characterization, and DFT studies of new mixed-ligand iron(III) Schiff-base complexes. <i>Journal of Coordination Chemistry</i> , 2010, 63, 2002-2011.	0.8	24
61	Density functional studies on Lewis acidity of alkaline earth metal exchanged faujasite zeolite. <i>Molecular Simulation</i> , 2008, 34, 1121-1128.	0.9	3
62	Reactivity of α,β -unsaturated carbonyl compounds towards nucleophilic addition reaction: a local hard-soft acid-base approach. <i>PhysChemComm</i> , 2003, 6, 24-27.	0.8	18