

Chira R Bhattacharjee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Alga-mediated facile green synthesis of silver nanoparticles: Photophysical, catalytic and antibacterial activity. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5597.	3.5	85
2	Novel photoluminescent hemi-disc-like liquid crystalline Zn(II) complexes of [N2O2] donor 4-alkoxy substituted salicyldimine Schiff base with aromatic spacer. <i>Polyhedron</i> , 2010, 29, 3089-3096.	2.2	66
3	Novel Green Light Emitting Nondiscoid Liquid Crystalline Zinc(II) Schiff-Base Complexes. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1418-1424.	2.0	46
4	Synthesis, reactivity, thermal, electrochemical and magnetic studies on iron(III) complexes of tetradentate Schiff base ligands. <i>Inorganica Chimica Acta</i> , 2012, 387, 86-92.	2.4	39
5	Synthesis and aggregation behaviour of luminescent mesomorphic zinc(II) complexes with α -salen TM type asymmetric Schiff base ligands. <i>Dalton Transactions</i> , 2015, 44, 7477-7488.	3.3	38
6	Mixed ligand complexes of cobalt(III) and iron(III) containing N2O2-chelating Schiff base: Synthesis, characterisation, antimicrobial activity, antioxidant and DFT study. <i>Journal of Molecular Structure</i> , 2015, 1100, 496-505.	3.6	33
7	High iron accumulation in hair and nail of people living in iron affected areas of Assam, India. <i>Ecotoxicology and Environmental Safety</i> , 2014, 110, 216-220.	6.0	28
8	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.	2.2	24
9	Photoluminescent Hemidisc-Shaped Liquid Crystalline Nickel(II) Schiff-Base Complexes. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5390-5396.	2.0	24
10	Lamellar columnar mesomorphism in a series of oxovanadium(IV) complexes derived from N,N'-di-(4-n-alkoxysalicylidene)diaminobenzene. <i>Inorganic Chemistry Communication</i> , 2011, 14, 606-612.	3.9	23
11	Novel photoluminescent lanthanidomesogens forming bilayer smectic phase derived from blue light emitting liquid crystalline, one ring O-donor Schiff-base ligands. <i>Polyhedron</i> , 2011, 30, 1040-1047.	2.2	22
12	Novel water soluble neutral vanadium(IV)-antibiotic complex: Antioxidant, immunomodulatory and molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , 2015, 97, 214-224.	5.5	21
13	Induction of photoluminescence and columnar mesomorphism in hemi-disc salphen type Schiff bases via nickel(II) coordination. <i>Polyhedron</i> , 2012, 33, 417-424.	2.2	20
14	Reactivity of tris(acetylacetonato) iron(III) with tridentate [ONO] donor Schiff base as an access to newer mixed-ligand iron(III) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 1408-1415.	3.9	18
15	Induction of Mesomorphism through Supramolecular Assembly in Metal Coordination Compounds of α -salphen-Type Schiff Bases: Photoluminescence and Solvatochromism. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4604-4614.	2.0	18
16	Synthesis, electrochemical and antimicrobial studies of mono and binuclear iron(III) and oxovanadium(IV) complexes of [ONO] donor tridentate Schiff-base ligands. <i>Journal of Coordination Chemistry</i> , 2010, 63, 3969-3980.	2.2	17
17	Tunable Emissive Lanthanidomesogen Derived from a Room-Temperature Liquid-Crystalline Schiff-Base Ligand. <i>Chemistry - A European Journal</i> , 2013, 19, 13151-13159.	3.3	17
18	Surfactant-controlled low-temperature thermal decomposition route to monodispersed phase pure tricobalt tetraoxide nanoparticles. <i>Materials Letters</i> , 2013, 90, 111-114.	2.6	17

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19	Emissive π -zinc(II)-salphen TM core: building block for columnar liquid crystals. <i>Liquid Crystals</i> , 2012, 39, 1435-1442.	2.2	16
20	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. <i>Liquid Crystals</i> , 2011, 38, 441-449.	2.2	15
21	Plastic columnar mesomorphism in half-disc-shaped oxovanadium(IV) Schiff base complexes. <i>Liquid Crystals</i> , 2011, 38, 615-623.	2.2	15
22	Composition controllable green synthesis of manganese dioxide nanoparticles using an edible freshwater red alga and its photocatalytic activity towards water soluble toxic dyes. <i>Inorganic Chemistry Communication</i> , 2022, 138, 109312.	3.9	15
23	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.	4.9	14
24	Synthesis, electrochemistry and thermal studies of fluoro and imidazole complexes of copper(II). <i>Transition Metal Chemistry</i> , 1998, 23, 561-564.	1.4	12
25	Surfactant-assisted low-temperature synthesis of monodispersed phase pure cubic CoO solid nanoparallelepipeds via thermal decomposition of cobalt(II) acetylacetonate. <i>Materials Letters</i> , 2013, 107, 71-74.	2.6	12
26	Photoluminescent columnar zinc(II) bimetallo-mesogen of tridentate [ONO]-donor Schiff base ligand. <i>Liquid Crystals</i> , 2013, 40, 942-950.	2.2	12
27	Composition controllable alga-mediated green synthesis of covellite CuS nanostructure: An efficient photocatalyst for degradation of toxic dye. <i>Inorganic Chemistry Communication</i> , 2022, 142, 109608.	3.9	12
28	Novel photoluminescent mesogenic Schiff-base ligands bearing [N ₄ O ₄] donors and their bimetallic Zn(II) complexes. <i>Materials Science and Engineering C</i> , 2012, 32, 735-741.	7.3	11
29	Influence of spacer group substituent on mesomorphism in copper complexes of π -salen TM type Schiff bases bearing long alkoxy arm. <i>Liquid Crystals</i> , 2014, 41, 541-551.	2.2	11
30	Surfactant-assisted low-temperature thermal decomposition route to spherical NiO nanoparticles. <i>Journal of Coordination Chemistry</i> , 2011, 64, 4434-4442.	2.2	9
31	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.	2.2	9
32	Liquid crystalline dinuclear copper(II) complexes accessed from photoluminescent tridentate [ONO]-donor Schiff base ligands. <i>Liquid Crystals</i> , 2012, 39, 639-646.	2.2	9
33	Photoluminescent tetrahedral d ¹⁰ -metal Schiff base complexes exhibiting highly ordered mesomorphism. <i>Polyhedron</i> , 2016, 105, 150-158.	2.2	9
34	Novel tris-buffer based Schiff base bearing long flexible alkoxy arm and its lanthanide complexes: Mesomorphism and photoluminescence. <i>Journal of Molecular Structure</i> , 2019, 1180, 472-479.	3.6	9
35	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.	2.2	8
36	Green emissive salicylaldimine-based polar Schiff bases with short alkoxy tails and their copper(II)/oxovanadium(IV) complexes: synthesis and mesomorphism. <i>Liquid Crystals</i> , 2012, 39, 373-385.	2.2	8

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37	Oxovanadium (IV) complexes of bidentate [N,O] donor Schiff-base ligands: synthesis and mesomorphism. <i>Phase Transitions</i> , 2012, 85, 956-972.	1.3	8
38	Multifunctional Lanthanide Complexes: Mesomorphism, Photoluminescence and Second Order NLO Property. <i>ChemistrySelect</i> , 2018, 3, 8245-8251.	1.5	8
39	Synthesis, X-ray Diffraction Study and Antimicrobial Activity of Calcium Sulphate Nanocomposites from Plant Charcoal. <i>Materials</i> , 2009, 2, 345-352.	2.9	7
40	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.	2.2	7
41	Surfactant controlled low-temperature thermal decomposition route to zinc oxide nanorods from zinc(II) acetylacetonate monohydrate. <i>Journal of Luminescence</i> , 2014, 154, 36-40.	3.1	7
42	Iron(III) metallomesogen of [N ₂ O ₂] donor Schiff base ligand containing 4-substituted alkoxy chains. <i>Liquid Crystals</i> , 2016, 43, 1606-1615.	2.2	7
43	Induced columnar mesomorphism in non-discoid VO ₂ +salphen complexes: Transition between two rectangular columnar phases. <i>Liquid Crystals</i> , 2012, 39, 819-826.	2.2	6
44	Surfactant-mediated low-temperature synthesis of phase pure multiply twinned copper nanoparticles under non-inert condition via thermal decomposition of copper malonate. <i>Materials Letters</i> , 2013, 94, 108-111.	2.6	6
45	Mesomorphic Schiff base amine tethered giant gold nanoparticles. <i>Liquid Crystals</i> , 2017, 44, 2259-2266.	2.2	6
46	Surfactant-free thermal decomposition route to phase pure tricobalt tetraoxide nanoparticles from cobalt(II)-tartrate complex. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 65, 296-300.	2.4	5
47	Catalyst free low temperature synthesis and antioxidant activity of multiwalled carbon nanotubes accessed from ghee, clarified butter of cow's milk. <i>Materials Letters</i> , 2015, 152, 36-39.	2.6	5
48	Surfactant mediated low temperature thermal decomposition route to zinc oxide nanocrystals. <i>Materials Letters</i> , 2012, 86, 108-111.	2.6	4
49	Grafting a mesomorphic Schiff base onto gold nanoparticle via ester link " photoluminescence, mesomorphism, electrical conductivity and antioxidant activity. <i>Liquid Crystals</i> , 2019, 46, 609-617.	2.2	4
50	Photoluminescent nickel(II)-metallomesogens derived from salphen ligands: influence of halogens at the spacer on mesomorphism and emission properties. <i>Liquid Crystals</i> , 2019, 46, 872-883.	2.2	3
51	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.	2.2	2
52	Groundwater Quality Characterization of North Brahmaputra Basin using Positive Matrix Factorization. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2021, 91, 393-404.	1.2	2
53	Title is missing!. <i>Transition Metal Chemistry</i> , 2001, 26, 730-732.	1.4	1
54	Rod shaped oxovanadium(IV) Schiff base complexes: Synthesis, mesomorphism and influence of flexible alkoxy chain lengths. <i>Journal of Molecular Structure</i> , 2014, 1067, 177-183.	3.6	1

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55	Green synthesis of novel antioxidant luminescent silica nanoparticle embedded carbon nanocomposites from a blue-green alga. <i>Green Processing and Synthesis</i> , 2016, 5, .	3.4	0
56	A new N ₂ O ₂ -donor compartmental Schiff base ligand and its cadmium(II) complex: synthesis, mesogenic and photoluminescent properties. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-10.	1.6	0