Subash Chandra Sahoo

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Photodynamic therapy applications of Re(I)â€BODIPY functionalized nanoparticles. Applied Organometallic Chemistry, 2022, 36, e6494.	3.5	0
2	Microwaveâ€assisted <scp>Groebkeâ€Blackburnâ€Bienaymé</scp> multicomponent reaction to synthesize imidazo fused heterocycles via inâ€situ generated isocyanides from <i>N</i> â€formylamines: An undergraduate organic laboratory experiment. Journal of Heterocyclic Chemistry, 2022, 59, 319-328.	2.6	5
3	Thiazetidin-2-ylidenes as four membered N-heterocyclic carbenes: theoretical studies and the generation of complexes with N ⁺ center. Physical Chemistry Chemical Physics, 2022, 24, 629-633.	2.8	6
4	A luminescent Zn-MOF for the detection of explosives and development of fingerprints. Analytical Methods, 2022, 14, 700-707.	2.7	18
5	Solvothermal synthesis and crystal structures of two Holmium(III)-5-Hydroxyisophthalate entangled coordination polymers and theoretical studies on the importance of π•••π stacking interactions. Journal of Molecular Structure, 2022, 1254, 132329.	3.6	10
6	Synthesis, characterization and thermal decomposition kinetics of energetic copper complex based on 3,5 dinitrobenzoic acid and 1,10 phenanthroline. Chemical Papers, 2022, 76, 2111-2124.	2.2	1
7	<scp>Groebke–Blackburn–Bienaymé</scp> multicomponent reaction coupled with unconventional <scp>Pictet–Spengler</scp> cyclization for the synthesis of imidazo[4,5â€ <i>b</i>]pyridine fused polycyclic heterocycles. Journal of Heterocyclic Chemistry, 2022, 59, 1007-1015.	2.6	5
8	Zeroâ€field Slow Magnetic Relaxation Behavior of Dy ₂ in a Series of Dinuclear {Ln ₂ } (Ln=Dy, Tb, Gd and Er) Complexes: A Combined Experimental and Theoretical Study. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	9
9	Synthesis, characterization and reaction kinetics of an energetic copper (II) complex based on 3,5 dinitrobenzoic acid and 2, 2' bipyridine. Chemical Papers, 2022, 76, 2153-2165.	2.2	0
10	Click chemistry inspired synthesis of andrographolide triazolyl conjugates for effective fluorescent sensing of ferric ions. Natural Product Research, 2022, 36, 5438-5448.	1.8	5
11	Isomer Selective Thermosalience and Luminescence Switching in Organic Crystals. ACS Applied Materials & Interfaces, 2022, 14, 22650-22657.	8.0	4
12	Temperature controlled synthesis and transformation of dinuclear to hexanuclear zinc complexes of a benzothiazole based ligand: Coordination induced fluorescence enhancement and quenching. Journal of Molecular Structure, 2022, 1265, 133300.	3.6	1
13	Exploration of synthesis, structural aspects, DFT studies and bio-efficacy of some new DHA-benzohydrazide based copper(II) complexes. Journal of Molecular Structure, 2021, 1228, 129460.	3.6	10
14	Synthesis, structural and pharmacological exploration of 2-(3,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (5-dii 114972.	methyl-1H 2.2	-pyrazol-1-yl) 6
15	Single-crystal-to-single-crystal mediated metal exchange from Zn(II) to Cu(II) and diverse structures in Zn/Cu coordination polymers using pyridylmethionine ligand. Journal of Molecular Structure, 2021, 1227, 129527.	3.6	3
16	A μ 4 â€Oxo Bridged Tetranuclear Zinc Complex as an Efficient Multitask Catalyst for CO 2 Conversion. European Journal of Inorganic Chemistry, 2021, 2021, 1057-1064.	2.0	4
17	New Family of Heptanuclear Lanthanide {Ln 7 } Clusters: Synthesis, Structure, and Magnetic Studies. ChemistrySelect, 2021, 6, 2456-2463.	1.5	4
18	Tetrameric Lanthanideâ€Substituted Silicotungstate {Ln 8 Si 4 W 40 } Nanoclusters: Synthesis, Structural Characterization, Electrochemistry, and Catalytic Application for Oxidation of Thioethers. European Journal of Inorganic Chemistry, 2021, 2021, 1071-1081.	2.0	2

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19	Iodine Catalyzed Oxidative Coupling of Diaminoazines and Amines for the Synthesis of 3,5-Disubstituted-1,2,4-Triazoles. Journal of Organic Chemistry, 2021, 86, 7659-7671.	3.2	11
20	Remarkable Self-Assembly of Salicylideneimine-Boron Complexes into Plastic Crystals and Organogels. Crystal Growth and Design, 2021, 21, 3798-3806.	3.0	7
21	Mesoionic and Nâ€heterocyclic Carbenes oordinated N+ÂCenter: Experimental and Computational Analysis. ChemPlusChem, 2021, 86, 1416-1420.	2.8	10
22	Solid-State Thermolysis of 1D and 3D Cd-Coordination Polymers of l-methionine Derived Ligand to CdS Nanospheres: Facile Synthesis, Charecterization and Dye degredation Studies. Journal of Molecular Structure, 2021, 1243, 130817.	3.6	6
23	Solvothermal self assembly of three lanthanide(III)-succinates: Crystal structure, topological analysis and DFT calculations on water channel. Journal of Molecular Structure, 2021, 1245, 131094.	3.6	12
24	Metal organic framework as "turn-on―fluorescent sensor for Zr(IV) ions and selective adsorbent for organic dyes. Microchemical Journal, 2021, 171, 106824.	4.5	22
25	Oxygen atom transfer promoted nitrate to nitric oxide transformation: a step-wise reduction of nitrate → nitric oxide. Chemical Science, 2021, 12, 10605-10612.	7.4	15
26	Role of non-covalent interactions in the supramolecular architectures of mercury(<scp>ii</scp>) diphenyldithiophosphates: An experimental and theoretical investigation. New Journal of Chemistry, 2021, 45, 2249-2263.	2.8	29
27	The first report of X-ray characterized organosilatrane-based receptors for the electrochemical analysis of Al ³⁺ ions. New Journal of Chemistry, 2021, 45, 16083-16091.	2.8	2
28	Low catalyst loading enabled organocatalytic synthesis of chiral bis-heterocyclic frameworks containing pyrazole and isoxazole. Organic and Biomolecular Chemistry, 2021, 19, 9910-9924.	2.8	2
29	Microwave assisted novel one-pot three-component reaction for synthesis of 3-aminoimidazopyridines using molecular iodine. Tetrahedron Letters, 2021, 84, 153452.	1.4	7
30	Experimental and Computational Validation of Structural Features and BSA Binding Tendency of 5â€Hydroxyâ€5â€ŧrifluoromethylâ€3â€arylpyrazolines**. ChemistrySelect, 2021, 6, 10324-10335.	1.5	12
31	Design, crystal structures and sustainable synthesis of family of antipyrine derivatives: Abolish to bacterial and parasitic infection. Journal of Molecular Structure, 2020, 1199, 127010.	3.6	7
32	Nitric oxide dioxygenation (NOD) reactions of Colll-peroxo and Nilll-peroxo complexes: NODversusNO activation. Inorganic Chemistry Frontiers, 2020, 7, 4872-4882.	6.0	10
33	<i>Candida antarctica</i> lipaseâ€Bâ€catalyzed kinetic resolution of 1,3â€dialkylâ€3â€hydroxymethyl oxindoles. Chirality, 2020, 32, 1377-1394.	2.6	3
34	Lanthanide Contraction in Action: Structural Variations in 13 Lanthanide(III) Thiophene-2,5-dicarboxylate Coordination Polymers (Ln = La–Lu, Except Pm and Tm) Featuring Magnetocaloric Effect, Slow Magnetic Relaxation, and Luminescence-Lifetime-based Thermometry. Crystal Growth and Design, 2020, 20, 6430-6452.	3.0	41
35	Synthesis and X-ray characterization of antipyrine-tethered organosilanes and their magnetic nanoparticles: potent anti-oxidants and receptors for Sn(<scp>ii</scp>) ions. New Journal of Chemistry, 2020, 44, 15157-15168.	2.8	9
36	New Schiff Base as Selective and Sensitive Detection of Copper Ions in Aqueous Solvent. ChemistrySelect, 2020, 5, 14857-14868.	1.5	4

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37	Synthesis of eight isostructural 2D lanthanide coordination polymers assembled by rigid furan-2,5-dicarboxylic acid and flexible adipic acid as linkers and exploration of luminescent Eu/Tb polymers as efficient and sensitive sensors for nitroaromatic compounds. New Journal of Chemistry, 2020, 44, 8125-8137.	2.8	20
38	Coordination polymers of manganese(II), cobalt(II), nickel(II) and cadmium(II) decorated with rigid pyrazine-2,3-dicarboxylic acid linker: Synthesis, structural diversity, DFT study and magneto-luminescence properties. Polyhedron, 2020, 187, 114629.	2.2	13
39	Graphene-Templated Cobalt Nanoparticle Embedded Nitrogen-Doped Carbon Nanotubes for Efficient Visible-Light Photocatalysis. Crystal Growth and Design, 2020, 20, 4627-4639.	3.0	30
40	Oxone-DMSO Triggered Methylene Insertion and C(sp ²)â^'C(sp ³)-Hâ^'C(sp ²) Bond Formation to Access Functional Bis-Heterocycles. Journal of Organic Chemistry, 2020, 85, 4951-4962.	3.2	23
41	Synthesis and characterization of cross-linked epoxy resin beads by suspension polymerization technique. Journal of Polymer Research, 2020, 27, 1.	2.4	2
42	Exceptionally Plastic/Elastic Organic Crystals of a Naphthalidenimineâ€Boron Complex Show Flexible Optical Waveguide Properties. Chemistry - A European Journal, 2020, 26, 11979-11984.	3.3	32
43	Regioselective synthesis of 1,2,4-trisubstituted imidazole from a mechanistic and synthetic prospective. Synthetic Communications, 2020, 50, 700-709.	2.1	6
44	Compatibility and thermal decomposition behavior of an epoxy resin with some energetic compounds. Journal of Energetic Materials, 2020, 38, 432-444.	2.0	11
45	Nitric oxide monooxygenation (NOM) reaction of cobalt-nitrosyl {Co(NO)}8to Coll-nitrito {Coll(NO2â^')}: base induced hydrogen gas (H2) evolution. Chemical Science, 2020, 11, 5037-5042.	7.4	11
46	Effect of Bi Substitution on Cs ₃ Sb ₂ Cl ₉ : Structural Phase Transition and Band Gap Engineering. Crystal Growth and Design, 2020, 20, 3386-3395.	3.0	32
47	A catalyst- and solvent-free protocol for the sustainable synthesis of fused 4H-pyran derivatives. RSC Advances, 2019, 9, 26393-26401.	3.6	13
48	One-Step Assembly of Functionalized Morpholinones and 1,4-Oxazepane-3-ones via [3 + 3]- and [3 + 4]-Annulation of Aza-Oxyallyl Cation and Amphoteric Compounds. Journal of Organic Chemistry, 2019, 84, 15255-15266.	3.2	33
49	Magnetic, luminescence, topological and theoretical studies of structurally diverse supramolecular lanthanide coordination polymers with flexible glutaric acid as a linker. New Journal of Chemistry, 2019, 43, 14546-14564.	2.8	29
50	Finding a new pathway for acid-induced nitrite reduction reaction: formation of nitric oxide with hydrogen peroxide. Dalton Transactions, 2019, 48, 13916-13920.	3.3	12
51	The role of a weakly coordinating thioether group in ligation controlled molecular self-assemblies and their inter-conversions in Ni(ii) complexes of l-methionine derived ligand. New Journal of Chemistry, 2019, 43, 11222-11232.	2.8	5
52	A Series of Lanthanide-Based Metal–Organic Frameworks Derived from Furan-2,5-dicarboxylate and Glutarate: Structure-Corroborated Density Functional Theory Study, Magnetocaloric Effect, Slow Relaxation of Magnetization, and Luminescent Properties. Inorganic Chemistry, 2019, 58, 7760-7774.	4.0	68
53	Geometrical Isomerism in Guanabenz Free Base: Synthesis, Characterization, Crystal Structure, and Theoretical Studies. Crystal Growth and Design, 2019, 19, 3183-3191.	3.0	8
54	A theoretical insight into the role of counter anions and their interactions in nitropentaamminecobalt(III) toward linkage isomerismâ€induced photochemical motion. International Journal of Quantum Chemistry, 2019, 119, e25929.	2.0	6

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55	Mechanochemical Synthesis of a New Triptycene-Based Imine-Linked Covalent Organic Polymer for Degradation of Organic Dye. Crystal Growth and Design, 2019, 19, 2525-2530.	3.0	46
56	An unprecedented intramolecular to intermolecular mechanistic switch in 1,1-diaminoazines leading to differential product formation during the I2-induced tandem oxidative transformation. Organic and Biomolecular Chemistry, 2019, 17, 4129-4138.	2.8	14
57	2,5-Furandicarboxylic acid as a linker for lanthanide coordination polymers: the role of heteroaromatic π–π stacking and hydrogen bonding. New Journal of Chemistry, 2019, 43, 2179-2195.	2.8	41
58	Efficient and Ecoâ€Friendly Oneâ€Pot Synthesis of Functionalized Furanâ€2â€one, Pyrrolâ€2â€one, and Tetrahydropyridine Using Lemon Juice as a Biodegradable Catalyst. ChemistrySelect, 2018, 3, 1371-1380.	1.5	30
59	Microwave irradiation: a green approach for the synthesis of functionalized <i>N</i> -methyl-1,4-dihydropyridines. RSC Advances, 2018, 8, 41892-41903.	3.6	19
60	One-pot practical method for synthesis of functionalized 4 <i>H</i> -chromen-5-one derivatives under catalyst and solvent-free conditions. Synthetic Communications, 2018, 48, 2683-2694.	2.1	21
61	Enantioselective 1,4-Michael addition reaction of pyrazolin-5-one derivatives with 2-enoylpyridines catalyzed by <i>Cinchona</i> derived squaramides. Organic and Biomolecular Chemistry, 2018, 16, 6470-6478.	2.8	8
62	Incorporation of azo group at axial position of silatranes: synthesis, characterization and antimicrobial activity. Applied Organometallic Chemistry, 2015, 29, 549-555.	3.5	16
63	Photosalient Behavior of Photoreactive Crystals. Chemistry of Materials, 2015, 27, 1821-1829.	6.7	148
64	Thermally induced and photoinduced mechanical effects in molecular single crystals—a revival. CrystEngComm, 2014, 16, 1850.	2.6	206
65	Chiral Recognition and Partial Resolution of 1-Phenylethylamine through Noncovalent Interactions Using Binuclear Ni(II) Complex as Host. Crystal Growth and Design, 2014, 14, 3958-3966.	3.0	8
66	Colossal positive and negative thermal expansion and thermosalient effect in a pentamorphic organometallic martensite. Nature Communications, 2014, 5, 4811.	12.8	168
67	Biomimetic Crystalline Actuators: Structure–Kinematic Aspects of the Self-Actuation and Motility of Thermosalient Crystals. Journal of the American Chemical Society, 2013, 135, 12241-12251.	13.7	155
68	Kinematic and Mechanical Profile of the Self-Actuation of Thermosalient Crystal Twins of 1,2,4,5-Tetrabromobenzene: A Molecular Crystalline Analogue of a Bimetallic Strip. Journal of the American Chemical Society, 2013, 135, 13843-13850.	13.7	147
69	Relating pore hydrophilicity with vapour adsorption capacity in a series of amino acid based metal organic frameworks. CrystEngComm, 2013, 15, 9634.	2.6	26
70	Alkali earth metal (Ca, Sr, Ba) based thermostable metal–organic frameworks (MOFs) for proton conduction. Chemical Communications, 2012, 48, 4998.	4.1	157
71	Variable Water Adsorption in Amino Acid Derivative Based Homochiral Metal Organic Frameworks. Crystal Growth and Design, 2012, 12, 4633-4640.	3.0	46
72	Solid-State Thermolysis of Anion Induced Metal–Organic Frameworks to ZnO Microparticles with Predefined Morphologies: Facile Synthesis and Solar Cell Studies. Crystal Growth and Design, 2012, 12, 2572-2578.	3.0	53

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73	Helical Water Chain Mediated Proton Conductivity in Homochiral Metal–Organic Frameworks with Unprecedented Zeolitic <i>unh</i> -Topology. Journal of the American Chemical Society, 2011, 133, 17950-17958.	13.7	354
74	Three Point Chiral Recognition and Resolution of Amino Alcohols Through Wellâ€Đefined Interaction Inside a Metallocavity. Chemistry - A European Journal, 2010, 16, 5004-5007.	3.3	25
75	Formation of a narrow chiral cavity in bis-copper(ii) complexes of ferrocenylmethyl-l-tyrosine and its interaction with achiral guests. Dalton Transactions, 2009, , 3230.	3.3	10
76	Ferrocene substitution in amino acids strengthens the axial binding in Cu(ii) complexes and separates the hydrophobic and hydrophilic region in the crystals. Dalton Transactions, 2007, , 5148.	3.3	20