

Subash Chandra Sahoo

List of Publications by Year in descending order

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76
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346980

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docs citations

77
times ranked

2887
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Photodynamic therapy applications of Re(I)-BODIPY functionalized nanoparticles. Applied Organometallic Chemistry, 2022, 36, e6494. | 1.7 | 0 |
| 2 | Microwave-assisted Groebke-Blackburn-Bienaymá multicomponent reaction to synthesize imidazo fused heterocycles via in situ generated isocyanides from N-formylamines: An undergraduate organic laboratory experiment. Journal of Heterocyclic Chemistry, 2022, 59, 319-328. | 1.4 | 5 |
| 3 | Thiazetidín-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. | 1.3 | 6 |
| 4 | A luminescent Zn-MOF for the detection of explosives and development of fingerprints. Analytical Methods, 2022, 14, 700-707. | 1.3 | 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. | 1.8 | 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. | 1.0 | 1 |
| 7 | Groebke-Blackburn-Bienaymá multicomponent reaction coupled with unconventional Pictet-Spengler cyclization for the synthesis of imidazo[4,5-b]pyridine fused polycyclic heterocycles. Journal of Heterocyclic Chemistry, 2022, 59, 1007-1015. | 1.4 | 5 |
| 8 | Zero-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, . | 1.0 | 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. | 1.0 | 0 |
| 10 | Click chemistry inspired synthesis of andrographolide triazolyl conjugates for effective fluorescent sensing of ferric ions. Natural Product Research, 2022, 36, 5438-5448. | 1.0 | 5 |
| 11 | Isomer Selective Thermosalienc and Luminescence Switching in Organic Crystals. ACS Applied Materials & Interfaces, 2022, 14, 22650-22657. | 4.0 | 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. | 1.8 | 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. | 1.8 | 10 |
| 14 | Synthesis, structural and pharmacological exploration of 2-(3, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (5-dimethyl-1H-pyrazol-1-yl) 114972. | 1.0 | 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. | 1.8 | 3 |
| 16 | A μ_4 Oxo Bridged Tetranuclear Zinc Complex as an Efficient Multitask Catalyst for CO ₂ Conversion. European Journal of Inorganic Chemistry, 2021, 2021, 1057-1064. | 1.0 | 4 |
| 17 | New Family of Heptanuclear Lanthanide {Ln ₇ } Clusters: Synthesis, Structure, and Magnetic Studies. ChemistrySelect, 2021, 6, 2456-2463. | 0.7 | 4 |
| 18 | Tetrameric Lanthanide-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. | 1.0 | 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. <i>Journal of Organic Chemistry</i> , 2021, 86, 7659-7671. | 1.7 | 11 |
| 20 | Remarkable Self-Assembly of Salicylideneimine-Boron Complexes into Plastic Crystals and Organogels. <i>Crystal Growth and Design</i> , 2021, 21, 3798-3806. | 1.4 | 7 |
| 21 | Mesoionic and N-heterocyclic Carbenes-coordinated N-center: Experimental and Computational Analysis. <i>ChemPlusChem</i> , 2021, 86, 1416-1420. | 1.3 | 10 |
| 22 | Solid-State Thermolysis of 1D and 3D Cd-Coordination Polymers of l-methionine Derived Ligand to CdS Nanospheres: Facile Synthesis, Characterization and Dye degradation Studies. <i>Journal of Molecular Structure</i> , 2021, 1243, 130817. | 1.8 | 6 |
| 23 | Solvothermal self assembly of three lanthanide(III)-succinates: Crystal structure, topological analysis and DFT calculations on water channel. <i>Journal of Molecular Structure</i> , 2021, 1245, 131094. | 1.8 | 12 |
| 24 | Metal organic framework as a turn-on fluorescent sensor for Zr(IV) ions and selective adsorbent for organic dyes. <i>Microchemical Journal</i> , 2021, 171, 106824. | 2.3 | 22 |
| 25 | Oxygen atom transfer promoted nitrate to nitric oxide transformation: a step-wise reduction of nitrate to nitrite to nitric oxide. <i>Chemical Science</i> , 2021, 12, 10605-10612. | 3.7 | 15 |
| 26 | Role of non-covalent interactions in the supramolecular architectures of mercury(diphenyldithiophosphates): An experimental and theoretical investigation. <i>New Journal of Chemistry</i> , 2021, 45, 2249-2263. | 1.4 | 29 |
| 27 | The first report of X-ray characterized organosilatrane-based receptors for the electrochemical analysis of Al ³⁺ ions. <i>New Journal of Chemistry</i> , 2021, 45, 16083-16091. | 1.4 | 2 |
| 28 | Low catalyst loading enabled organocatalytic synthesis of chiral bis-heterocyclic frameworks containing pyrazole and isoxazole. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 9910-9924. | 1.5 | 2 |
| 29 | Microwave assisted novel one-pot three-component reaction for synthesis of 3-aminoimidazopyridines using molecular iodine. <i>Tetrahedron Letters</i> , 2021, 84, 153452. | 0.7 | 7 |
| 30 | Experimental and Computational Validation of Structural Features and BSA Binding Tendency of 5-Hydroxy-5-trifluoromethyl-3-arylpyrazolines**. <i>ChemistrySelect</i> , 2021, 6, 10324-10335. | 0.7 | 12 |
| 31 | Design, crystal structures and sustainable synthesis of family of antipyrene derivatives: Abolish to bacterial and parasitic infection. <i>Journal of Molecular Structure</i> , 2020, 1199, 127010. | 1.8 | 7 |
| 32 | Nitric oxide dioxygenation (NOD) reactions of Co(III)-peroxo and Ni(II)-peroxo complexes: NOD versus NO activation. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4872-4882. | 3.0 | 10 |
| 33 | <i>Candida antarctica</i> lipase-catalyzed kinetic resolution of 1,3-dialkyl-3-hydroxymethyl oxindoles. <i>Chirality</i> , 2020, 32, 1377-1394. | 1.3 | 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. <i>Crystal Growth and Design</i> , 2020, 20, 6430-6452. | 1.4 | 41 |
| 35 | Synthesis and X-ray characterization of antipyrene-tethered organosilanes and their magnetic nanoparticles: potent anti-oxidants and receptors for Sn ²⁺ ions. <i>New Journal of Chemistry</i> , 2020, 44, 15157-15168. | 1.4 | 9 |
| 36 | New Schiff Base as Selective and Sensitive Detection of Copper Ions in Aqueous Solvent. <i>ChemistrySelect</i> , 2020, 5, 14857-14868. | 0.7 | 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. <i>New Journal of Chemistry</i> , 2020, 44, 8125-8137. | 1.4 | 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. <i>Polyhedron</i> , 2020, 187, 114629. | 1.0 | 13 |
| 39 | Graphene-Templated Cobalt Nanoparticle Embedded Nitrogen-Doped Carbon Nanotubes for Efficient Visible-Light Photocatalysis. <i>Crystal Growth and Design</i> , 2020, 20, 4627-4639. | 1.4 | 30 |
| 40 | Oxone-DMSO Triggered Methylene Insertion and C(sp ²)-C(sp ³)-H-C(sp ²) Bond Formation to Access Functional Bis-Heterocycles. <i>Journal of Organic Chemistry</i> , 2020, 85, 4951-4962. | 1.7 | 23 |
| 41 | Synthesis and characterization of cross-linked epoxy resin beads by suspension polymerization technique. <i>Journal of Polymer Research</i> , 2020, 27, 1. | 1.2 | 2 |
| 42 | Exceptionally Plastic/Elastic Organic Crystals of a Naphthalidenimine-Boron Complex Show Flexible Optical Waveguide Properties. <i>Chemistry - A European Journal</i> , 2020, 26, 11979-11984. | 1.7 | 32 |
| 43 | Regioselective synthesis of 1,2,4-trisubstituted imidazole from a mechanistic and synthetic prospective. <i>Synthetic Communications</i> , 2020, 50, 700-709. | 1.1 | 6 |
| 44 | Compatibility and thermal decomposition behavior of an epoxy resin with some energetic compounds. <i>Journal of Energetic Materials</i> , 2020, 38, 432-444. | 1.0 | 11 |
| 45 | Nitric oxide monooxygenation (NOM) reaction of cobalt-nitrosyl {Co(NO)} ₈ to Coll-nitrito {Coll(NO ₂ ⁻)}: base induced hydrogen gas (H ₂) evolution. <i>Chemical Science</i> , 2020, 11, 5037-5042. | 3.7 | 11 |
| 46 | Effect of Bi Substitution on Cs ₃ Sb ₂ Cl ₉ : Structural Phase Transition and Band Gap Engineering. <i>Crystal Growth and Design</i> , 2020, 20, 3386-3395. | 1.4 | 32 |
| 47 | A catalyst- and solvent-free protocol for the sustainable synthesis of fused 4H-pyran derivatives. <i>RSC Advances</i> , 2019, 9, 26393-26401. | 1.7 | 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. <i>Journal of Organic Chemistry</i> , 2019, 84, 15255-15266. | 1.7 | 33 |
| 49 | Magnetic, luminescence, topological and theoretical studies of structurally diverse supramolecular lanthanide coordination polymers with flexible glutaric acid as a linker. <i>New Journal of Chemistry</i> , 2019, 43, 14546-14564. | 1.4 | 29 |
| 50 | Finding a new pathway for acid-induced nitrite reduction reaction: formation of nitric oxide with hydrogen peroxide. <i>Dalton Transactions</i> , 2019, 48, 13916-13920. | 1.6 | 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. <i>New Journal of Chemistry</i> , 2019, 43, 11222-11232. | 1.4 | 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. <i>Inorganic Chemistry</i> , 2019, 58, 7760-7774. | 1.9 | 68 |
| 53 | Geometrical Isomerism in Guanabenz Free Base: Synthesis, Characterization, Crystal Structure, and Theoretical Studies. <i>Crystal Growth and Design</i> , 2019, 19, 3183-3191. | 1.4 | 8 |
| 54 | A theoretical insight into the role of counter anions and their interactions in nitropentaamminecobalt(III) toward linkage isomerism-induced photochemical motion. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25929. | 1.0 | 6 |

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|----|--|-----|-----------|
| 55 | Mechanochemical Synthesis of a New Triptycene-Based Imine-Linked Covalent Organic Polymer for Degradation of Organic Dye. <i>Crystal Growth and Design</i> , 2019, 19, 2525-2530. | 1.4 | 46 |
| 56 | An unprecedented intramolecular to intermolecular mechanistic switch in 1,1-diaminoazines leading to differential product formation during the I ₂ -induced tandem oxidative transformation. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4129-4138. | 1.5 | 14 |
| 57 | 2,5-Furandicarboxylic acid as a linker for lanthanide coordination polymers: the role of heteroaromatic π - π stacking and hydrogen bonding. <i>New Journal of Chemistry</i> , 2019, 43, 2179-2195. | 1.4 | 41 |
| 58 | Efficient and Eco-Friendly One-Pot Synthesis of Functionalized Furan-2-one, Pyrrol-2-one, and Tetrahydropyridine Using Lemon Juice as a Biodegradable Catalyst. <i>ChemistrySelect</i> , 2018, 3, 1371-1380. | 0.7 | 30 |
| 59 | Microwave irradiation: a green approach for the synthesis of functionalized N-methyl-1,4-dihydropyridines. <i>RSC Advances</i> , 2018, 8, 41892-41903. | 1.7 | 19 |
| 60 | One-pot practical method for synthesis of functionalized 4-hydroxy-chromen-5-one derivatives under catalyst and solvent-free conditions. <i>Synthetic Communications</i> , 2018, 48, 2683-2694. | 1.1 | 21 |
| 61 | Enantioselective 1,4-Michael addition reaction of pyrazolin-5-one derivatives with 2-enoylpyridines catalyzed by Cinchona derived squaramides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6470-6478. | 1.5 | 8 |
| 62 | Incorporation of azo group at axial position of silatranes: synthesis, characterization and antimicrobial activity. <i>Applied Organometallic Chemistry</i> , 2015, 29, 549-555. | 1.7 | 16 |
| 63 | Photosensitive Behavior of Photoreactive Crystals. <i>Chemistry of Materials</i> , 2015, 27, 1821-1829. | 3.2 | 148 |
| 64 | Thermally induced and photoinduced mechanical effects in molecular single crystals—a revival. <i>CrystEngComm</i> , 2014, 16, 1850. | 1.3 | 206 |
| 65 | Chiral Recognition and Partial Resolution of 1-Phenylethylamine through Noncovalent Interactions Using Binuclear Ni(II) Complex as Host. <i>Crystal Growth and Design</i> , 2014, 14, 3958-3966. | 1.4 | 8 |
| 66 | Colossal positive and negative thermal expansion and thermosensitive effect in a pentamorphic organometallic martensite. <i>Nature Communications</i> , 2014, 5, 4811. | 5.8 | 168 |
| 67 | Biomimetic Crystalline Actuators: Structure–Kinematic Aspects of the Self-Actuation and Motility of Thermosensitive Crystals. <i>Journal of the American Chemical Society</i> , 2013, 135, 12241-12251. | 6.6 | 155 |
| 68 | Kinematic and Mechanical Profile of the Self-Actuation of Thermosensitive Crystal Twins of 1,2,4,5-Tetrabromobenzene: A Molecular Crystalline Analogue of a Bimetallic Strip. <i>Journal of the American Chemical Society</i> , 2013, 135, 13843-13850. | 6.6 | 147 |
| 69 | Relating pore hydrophilicity with vapour adsorption capacity in a series of amino acid based metal organic frameworks. <i>CrystEngComm</i> , 2013, 15, 9634. | 1.3 | 26 |
| 70 | Alkali earth metal (Ca, Sr, Ba) based thermostable metal-organic frameworks (MOFs) for proton conduction. <i>Chemical Communications</i> , 2012, 48, 4998. | 2.2 | 157 |
| 71 | Variable Water Adsorption in Amino Acid Derivative Based Homochiral Metal Organic Frameworks. <i>Crystal Growth and Design</i> , 2012, 12, 4633-4640. | 1.4 | 46 |
| 72 | Solid-State Thermolysis of Anion Induced Metal-Organic Frameworks to ZnO Microparticles with Predefined Morphologies: Facile Synthesis and Solar Cell Studies. <i>Crystal Growth and Design</i> , 2012, 12, 2572-2578. | 1.4 | 53 |

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|----|---|-----|-----------|
| 73 | Helical Water Chain Mediated Proton Conductivity in Homochiral Metal-Organic Frameworks with Unprecedented Zeolitic <i>hnh</i> -Topology. Journal of the American Chemical Society, 2011, 133, 17950-17958. | 6.6 | 354 |
| 74 | Three Point Chiral Recognition and Resolution of Amino Alcohols Through Well-Defined Interaction Inside a Metallocavity. Chemistry - A European Journal, 2010, 16, 5004-5007. | 1.7 | 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. | 1.6 | 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. | 1.6 | 20 |