Surajit Biswas

List of Publications by Citations

31 papers	358 citations	11 h-index	17 g-index
31 ext. papers	509 ext. citations	3.6 avg, IF	3.87 L-index

#	Paper	IF	Citations
31	Polystyrene supported Zinc complex as an efficient catalyst for cyclic carbonate formation via CO2 fixation under atmospheric pressure and organic carbamates production. *Molecular Catalysis*, **2018**, 452, 129-137	3.3	35
30	Modified Graphene Oxide Based Zinc Composite: an Efficient Catalyst for N-formylation and Carbamate Formation Reactions Through CO2 Fixation. *ChemCatChem*, **2019**, 11, 1303-1312	5.2	30
29	A novel thermally stable hydroperoxo-copper(II) complex in a Cu(N2O2) chromophore of a potential N4O2 donor Schiff base ligand: synthesis, structure and catalytic studies. *Dalton Transactions*, **2013**, 42, 13210-9	4.3	29
28	A cyanide selective off□on fluorescent chemosensor with in vivo imaging in 100% water: solid probe preferred over in situ generation. *RSC Advances*, **2014**, 4, 9656-9659	3.7	25
27	Cu-NPs@COF: A potential heterogeneous catalyst for CO2 fixation to produce 2-oxazolidinones as well as benzimidazoles under moderate reaction conditions. *Journal of CO2 Utilization*, **2020**, 40, 101180	7.6	22
26	Catalytic synthesis of benzimidazoles and organic carbamates using a polymer supported zinc catalyst through CO2 fixation. *New Journal of Chemistry*, **2019**, 43, 14643-14652	3.6	19
25	Zn(II)@TFP-DAQ COF: an efficient mesoporous catalyst for the synthesis of N-methylated amine and carbamate through chemical fixation of CO2. *New Journal of Chemistry*, **2020**, 44, 744-752	3.6	19
24	Catalytic formation of N3-substituted quinazoline-2,4(1H,3H)-diones by Pd(II)EN@GO composite and its mechanistic investigations through DFT calculations. *New Journal of Chemistry*, **2020**, 44, 141-151	3.6	18
23	Catalytic synthesis of organic cyclic carbonate through CO2 fixation and production of □amino alcohol via ring opening of epoxides under green condition by polystyrene embedded Al(III) catalyst. *Journal of Organometallic Chemistry*, **2019**, 898, 120877	2.3	16
22	Mononuclear manganese(III) complexes of bidentate NO donor Schiff base ligands: synthesis, structural characterization, magnetic and catecholase studies. *RSC Advances*, **2015**, 5, 23855-23864	3.7	14
21	Novel Cu(II)-M(II)-Cu(II) (M = Cu or Ni) trinuclear and [NaCu] hexanuclear complexes assembled by bi-compartmental ligands: syntheses, structures, magnetic and catalytic studies. *Dalton Transactions*, **2015**, 44, 9426-38	4.3	11
20	Green Synthesized AgNPs Embedded in COF: An Efficient Catalyst for the Synthesis of 2-Oxazolidinones and □Alkylidene Cyclic Carbonates via CO2 Fixation. *ChemNanoMat*, **2020**, 6, 1386-1397	3.5	10
19	Catalytic oxidation of aromatic hydrocarbons by mono-oxido-alkoxidovanadium(V) complexes of ONNO donor ethylenediamine-bis(phenolate) ligands. *Polyhedron*, **2013**, 63, 189-198	2.7	10
18	Mn(II)- and Co(II)-Catalyzed Transformation of 2-Cyanopyrimidine to Methylimidate by Sodium Azide: Isolation, Structural Characterization, and Magnetic Studies on 2D Mn(II)- and Cu(II)-Complexes. *Inorganic Chemistry*, **2015**, 54, 7030-7	5.1	9
17	An efficient one-pot synthesis of industrially valuable primary organic carbamates and N-substituted ureas by a reusable Merrifield anchored iron(II)-anthra catalyst [FeII(Anthra-Merf)] using urea as a sustainable carbonylation source. *New Journal of Chemistry*, **2020**, 44, 2630-2643	3.6	9
16	Zn(II)-Embedded Nanoporous Covalent Organic Frameworks for Catalytic Conversion of CO2 under Solvent-Free Conditions. *ACS Applied Nano Materials*, **2021**, 4, 7663-7674	5.6	9
15	Dinuclear CuII□CuII and CuII□CuII Complexes of a Compartmental Ligand □Syntheses, Structures, Magnetic, and Catalytic Studies. *European Journal of Inorganic Chemistry*, **2013**, 2013, n/a-n/a	2.3	8

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14	Triazinetriamine-derived porous organic polymer-supported copper nanoparticles (Cu-NPs@TzTa-POP): an efficient catalyst for the synthesis of N-methylated products via CO2 fixation and primary carbamates from alcohols and urea. *New Journal of Chemistry*, **2020**, 44, 15446-15458	3.6	8
13	Palladium Grafted Functionalized Nanomaterial: An Efficient Catalyst for the CO2 Fixation of Amines and Production of Organic Carbamates. *ChemistrySelect*, **2019**, 4, 3961-3972	1.8	7
12	Application of Ag/TFPG-DMB COF in carbamates synthesis via CO2 fixation reaction and one-pot reductive N-formylation of nitroarenes under sunlight. *Molecular Catalysis*, **2020**, 493, 111050	3.3	7
11	Synthesis of benzimidazolones via CO2 fixation and N-phenyl formamides using formic acid in presence of zinc embedded polymer complex. *New Journal of Chemistry*, **2020**, 44, 12680-12691	3.6	7
10	Copper(II) induced oxidative modification and complexation of a schiff base ligand: synthesis, crystal structure, catalytic oxidation of aromatic hydrocarbons and DFT calculation. *RSC Advances*, **2014**, 4, 34248-34256	3.7	7
9	Solvent-Dependent Oxime–Azide and Oxime–Nitrile Coupling: Crystallographic and Catalytic Studies. *ChemPlusChem*, **2014**, 79, 1649-1656	2.8	7
8	Catalytic conversions of isocyanate to urea and glucose to levulinate esters over mesoporous □Ti(HPO4)2□H2O in green media. *New Journal of Chemistry*, **2020**, 44, 16452-16460	3.6	5
7	The first crystallographic observation of up to the third hydration layer of Cu(II) ion in an unusual □water-cation layer□templated by an Anderson polyoxometallate. *CrystEngComm*, **2009**, 11, 2608	3.3	4
6	Anthracene-triazole-dicarboxylate-Based Zn(II) 2D Metal Organic Frameworks for Efficient Catalytic Carbon Dioxide Fixation into Cyclic Carbonates under Solvent-Free Condition and Theoretical Study for the Reaction Mechanism. *Industrial & Engineering Chemistry Research*, **2022**, 61, 175-186	3.9	4
5	Synthesis, structural characterization and DFT calculation on a square-planar Ni(II) complex of a compartmental Schiff base ligand. *Journal of Molecular Structure*, **2016**, 1125, 688-695	3.4	3
4	Synthesis, Crystal Structures, and Magnetic and Catalytic Studies on a Linear Trinuclear Mn Complex. *ChemPlusChem*, **2015**, 80, 1440-1447	2.8	3
3	DNA intercalative trinuclear Cu(II) complex with new trans axial nitrato ligation as an efficient catalyst for atmospheric CO2 fixation to epoxides. *CrystEngComm*, **2020**, 22, 8374-8386	3.3	2
2	Diformylphloroglucinol derived imine based covalent organic frameworks (PHTA) as efficient organocatalyst for conversion of isocyanates to urea derivatives. *Molecular Catalysis*, **2022**, 522, 112213	3.3	1
1	In Situ Carbonylative Synthesis of Aromatic Esters and Formation of Quinazoline-2,4(1H,3H)-diones by Chemical Fixation of CO2 in Assistance of Polymer-Supported Palladium Catalyst. *ChemistrySelect*, **2020**, 5, 10355-10366	1.8	