

# Surajit Biswas

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Diformylphloroglucinol derived imine based covalent organic frameworks (PHTA) as efficient organocatalyst for conversion of isocyanates to urea derivatives. <i>Molecular Catalysis</i> , <b>2022</b> , 522, 112213	3.3	1
30	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. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2022</b> , 61, 175-186	3.9	4
29	Zn(II)-Embedded Nanoporous Covalent Organic Frameworks for Catalytic Conversion of CO <sub>2</sub> under Solvent-Free Conditions. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 7663-7674	5.6	9
28	Application of Ag/TFPG-DMB COF in carbamates synthesis via CO <sub>2</sub> fixation reaction and one-pot reductive N-formylation of nitroarenes under sunlight. <i>Molecular Catalysis</i> , <b>2020</b> , 493, 111050	3.3	7
27	Green Synthesized AgNPs Embedded in COF: An Efficient Catalyst for the Synthesis of 2-Oxazolidinones and $\beta$ -Alkylidene Cyclic Carbonates via CO <sub>2</sub> Fixation. <i>ChemNanoMat</i> , <b>2020</b> , 6, 1386-1397	3.5	10
26	Synthesis of benzimidazolones via CO <sub>2</sub> fixation and N-phenyl formamides using formic acid in presence of zinc embedded polymer complex. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 12680-12691	3.6	7
25	Cu-NPs@COF: A potential heterogeneous catalyst for CO <sub>2</sub> fixation to produce 2-oxazolidinones as well as benzimidazoles under moderate reaction conditions. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2020</b> , 40, 101180	7.6	22
24	An efficient one-pot synthesis of industrially valuable primary organic carbamates and N-substituted ureas by a reusable Merrifield anchored iron(II)-anthra catalyst [Fe(Anthra-Merf)] using urea as a sustainable carbonylation source. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 2630-2643	3.6	9
23	Catalytic formation of N <sub>3</sub> -substituted quinazoline-2,4(1H,3H)-diones by Pd(II)EN@GO composite and its mechanistic investigations through DFT calculations. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 141-151	3.6	18
22	Zn(II)@TFP-DAQ COF: an efficient mesoporous catalyst for the synthesis of N-methylated amine and carbamate through chemical fixation of CO <sub>2</sub> . <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 744-752	3.6	19
21	DNA intercalative trinuclear Cu(II) complex with new trans axial nitrato ligation as an efficient catalyst for atmospheric CO <sub>2</sub> fixation to epoxides. <i>CrystEngComm</i> , <b>2020</b> , 22, 8374-8386	3.3	2
20	In Situ Carbonylative Synthesis of Aromatic Esters and Formation of Quinazoline-2,4(1H,3H)-diones by Chemical Fixation of CO <sub>2</sub> in Assistance of Polymer-Supported Palladium Catalyst. <i>ChemistrySelect</i> , <b>2020</b> , 5, 10355-10366	1.8	
19	Catalytic conversions of isocyanate to urea and glucose to levulinate esters over mesoporous $\beta$ -Ti(HPO <sub>4</sub> ) <sub>2</sub> ·H <sub>2</sub> O in green media. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 16452-16460	3.6	5
18	Triazinetriamine-derived porous organic polymer-supported copper nanoparticles (Cu-NPs@TzTa-POP): an efficient catalyst for the synthesis of N-methylated products via CO <sub>2</sub> fixation and primary carbamates from alcohols and urea. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 15446-15458	3.6	8
17	Palladium Grafted Functionalized Nanomaterial: An Efficient Catalyst for the CO <sub>2</sub> Fixation of Amines and Production of Organic Carbamates. <i>ChemistrySelect</i> , <b>2019</b> , 4, 3961-3972	1.8	7
16	Catalytic synthesis of benzimidazoles and organic carbamates using a polymer supported zinc catalyst through CO <sub>2</sub> fixation. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 14643-14652	3.6	19
15	Catalytic synthesis of organic cyclic carbonate through CO <sub>2</sub> fixation and production of $\beta$ -amino alcohol via ring opening of epoxides under green condition by polystyrene embedded Al(III) catalyst. <i>Journal of Organometallic Chemistry</i> , <b>2019</b> , 898, 120877	2.3	16

14	Modified Graphene Oxide Based Zinc Composite: an Efficient Catalyst for N-formylation and Carbamate Formation Reactions Through CO <sub>2</sub> Fixation. <i>ChemCatChem</i> , <b>2019</b> , 11, 1303-1312	5.2	30
13	Polystyrene supported Zinc complex as an efficient catalyst for cyclic carbonate formation via CO <sub>2</sub> fixation under atmospheric pressure and organic carbamates production. <i>Molecular Catalysis</i> , <b>2018</b> , 452, 129-137	3.3	35
12	Synthesis, structural characterization and DFT calculation on a square-planar Ni(II) complex of a compartmental Schiff base ligand. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1125, 688-695	3.4	3
11	Mononuclear manganese(III) complexes of bidentate NO donor Schiff base ligands: synthesis, structural characterization, magnetic and catecholase studies. <i>RSC Advances</i> , <b>2015</b> , 5, 23855-23864	3.7	14
10	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. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 7030-7	5.1	9
9	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. <i>Dalton Transactions</i> , <b>2015</b> , 44, 9426-38	4.3	11
8	Synthesis, Crystal Structures, and Magnetic and Catalytic Studies on a Linear Trinuclear Mn Complex. <i>ChemPlusChem</i> , <b>2015</b> , 80, 1440-1447	2.8	3
7	Copper(II) induced oxidative modification and complexation of a schiff base ligand: synthesis, crystal structure, catalytic oxidation of aromatic hydrocarbons and DFT calculation. <i>RSC Advances</i> , <b>2014</b> , 4, 34248-34256	3.7	7
6	A cyanide selective off/on fluorescent chemosensor with in vivo imaging in 100% water: solid probe preferred over in situ generation. <i>RSC Advances</i> , <b>2014</b> , 4, 9656-9659	3.7	25
5	Solvent-Dependent OximeAzide and OximeNitrile Coupling: Crystallographic and Catalytic Studies. <i>ChemPlusChem</i> , <b>2014</b> , 79, 1649-1656	2.8	7
4	Dinuclear Cu(II)Cu(II) and Cu(II)Cu(II) Complexes of a Compartmental Ligand: Syntheses, Structures, Magnetic, and Catalytic Studies. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, n/a-n/a	2.3	8
3	Catalytic oxidation of aromatic hydrocarbons by mono-oxido-alkoxidovanadium(V) complexes of ONNO donor ethylenediamine-bis(phenolate) ligands. <i>Polyhedron</i> , <b>2013</b> , 63, 189-198	2.7	10
2	A novel thermally stable hydroperoxo-copper(II) complex in a Cu(N <sub>2</sub> O <sub>2</sub> ) chromophore of a potential N <sub>4</sub> O <sub>2</sub> donor Schiff base ligand: synthesis, structure and catalytic studies. <i>Dalton Transactions</i> , <b>2013</b> , 42, 13210-9	4.3	29
1	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. <i>CrystEngComm</i> , <b>2009</b> , 11, 2608	3.3	4