

Sriparna Dutta

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

965
citations

687363

13
h-index

677142

22
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23
all docs

23
docs citations

23
times ranked

1277
citing authors

#	ARTICLE	IF	CITATIONS
1	Fe ₃ O ₄ (iron oxide)-supported nanocatalysts: synthesis, characterization and applications in coupling reactions. <i>Green Chemistry</i> , 2016, 18, 3184-3209.	9.0	342
2	Silica-nanosphere-based organic–inorganic hybrid nanomaterials: synthesis, functionalization and applications in catalysis. <i>Green Chemistry</i> , 2015, 17, 3207-3230.	9.0	191
3	Silver nanomaterials: synthesis and (electro/photo) catalytic applications. <i>Chemical Society Reviews</i> , 2021, 50, 11293-11380.	38.1	79
4	Quinoline-2-carboimine copper complex immobilized on amine functionalized silica coated magnetite nanoparticles: a novel and magnetically retrievable catalyst for the synthesis of carbamates via C–H activation of formamides. <i>Dalton Transactions</i> , 2015, 44, 1303-1316.	3.3	47
5	Magnetic metal–organic framework composites: structurally advanced catalytic materials for organic transformations. <i>Materials Advances</i> , 2021, 2, 2153-2187.	5.4	42
6	Aldehydes: magnificent acyl equivalents for direct acylation. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7987-8033.	2.8	30
7	Fabrication of Core–Shell-Structured Organic–Inorganic Hybrid Nanocatalyst for the Expedient Synthesis of Polysubstituted Oxazoles via Tandem Oxidative Cyclization Pathway. <i>ACS Omega</i> , 2017, 2, 2778-2791.	3.5	29
8	Expanding the Horizon of Multicomponent Oxidative Coupling Reaction via the Design of a Unique, 3D Copper Isophthalate MOF-Based Catalyst Decorated with Mixed Spinel CoFe ₂ O ₄ Nanoparticles. <i>ACS Omega</i> , 2018, 3, 15100-15111.	3.5	29
9	<i>In situ</i> hydroxyl radical generation using the synergism of the Co–Ni bimetallic centres of a developed nanocatalyst with potent efficiency for degrading toxic water pollutants. <i>Materials Chemistry Frontiers</i> , 2020, 4, 605-620.	5.9	26
10	Nickel complex covalently anchored on core shell structured SiO ₂ @Fe ₃ O ₄ nanoparticles: a robust and magnetically retrievable catalyst for direct one-pot reductive amination of ketones. <i>New Journal of Chemistry</i> , 2016, 40, 2089-2101.	2.8	25
11	Harnessing the Untapped Catalytic Potential of a CoFe ₂ O ₄ /Mn-BDC Hybrid MOF Composite for Obtaining a Multitude of 1,4-Disubstituted 1,2,3-Triazole Scaffolds. <i>Inorganic Chemistry</i> , 2020, 59, 8334-8344.	4.0	23
12	Design and Exploration of Catalytic Activity of Two-Dimensional Surface-Engineered Graphene Oxide Nanosheets in the Transannulation of N-Heterocyclic Aldehydes or Ketones with Alkylamines. <i>ACS Omega</i> , 2019, 4, 3146-3158.	3.5	16
13	Zinc(II) complex immobilized on amine functionalized silica gel: a novel, highly efficient and recyclable catalyst for multicomponent click synthesis of 1,4-disubstituted 1,2,3-triazoles. <i>Journal of Coordination Chemistry</i> , 2016, 69, 1152-1165.	2.2	14
14	Unlocking the catalytic potency of a magnetic responsive CoFe ₂ O ₄ /Ni-BTC MOF composite for the sustainable synthesis of tri- and tetra-substituted imidazoles. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7343-7355.	5.9	14
15	Coordinated copper(II) supported on silica nanospheres applied to the synthesis of α -ketoamides via oxidative amidation of methyl ketones. <i>Journal of Materials Science</i> , 2016, 51, 2121-2133.	3.7	10
16	Nanoengineered iron oxide-based sorbents for separation of various water pollutants: current status, opportunities and future outlook. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 818-860.	2.4	10
17	Unravelling the catalytic potential of a magnetic CoFe ₂ O ₄ /Cu–ABDC MOF composite in the sustainable synthesis of 2-H-indazole motifs. <i>New Journal of Chemistry</i> , 2022, 46, 10829-10843.	2.8	10
18	Efficient and sustainable Co ₃ O ₄ nanocages based nickel catalyst: A suitable platform for the synthesis of quinoxaline derivatives. <i>Molecular Catalysis</i> , 2021, 504, 111454.	2.0	9

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19	Magnetic Boron Nitride Nanosheets Decorated with Cobalt Nanoparticles as Catalyst for the Synthesis of 3,4-Dihydropyrimidin-2(1 <i>H</i>)-ones/thiones. ACS Applied Nano Materials, 2022, 5, 4875-4886.	5.0	8
20	An Earth-abundant cobalt based photocatalyst: visible light induced direct (het)arene C-H arylation and CO ₂ capture. Dalton Transactions, 2022, 51, 2452-2463.	3.3	5
21	A sustainable gateway to access 1,8-dioxo-octahydroxanthene scaffolds <i>via</i> a surface-engineered halloysite-based magnetically responsive catalyst. New Journal of Chemistry, 2022, 46, 5405-5418.	2.8	4
22	Enhanced catalysis through structurally modified hybrid 2-D boron nitride nanosheets comprising of complexed 2-hydroxy-4-methoxybenzophenone motif. Scientific Reports, 2021, 11, 24429.	3.3	2
23	Recyclable magnetically retrievable nanocatalysts for C-heteroatom bond formation reactions. ChemistrySelect, 2022, .	1.5	0