

Abhijit Mahanta

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

269
citations

933447

10
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

351
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosilica as an efficient heterogeneous catalyst for ipso-hydroxylation of arylboronic acids. <i>Tetrahedron Letters</i> , 2015, 56, 1780-1783.	1.4	49
2	Biosynthesis of poly(ethylene glycol)-supported palladium nanoparticles using <i>Colocasia esculenta</i> leaf extract and their catalytic activity for Suzuki–Miyaura cross-coupling reactions. <i>RSC Advances</i> , 2015, 5, 72453-72457.	3.6	35
3	An improved Suzuki–Miyaura cross-coupling reaction with the aid of in situ generated PdNPs: evidence for enhancing effect with biphasic system. <i>Tetrahedron Letters</i> , 2016, 57, 3091-3095.	1.4	30
4	A green synthesis of palladium nanoparticles by <i>Sapindus mukorossi</i> seed extract and use in efficient room temperature Suzuki–Miyaura cross-coupling reaction. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3784.	3.5	23
5	Copper Oxide Nanoparticles as a Mild and Efficient Catalyst for N-Arylation of Imidazole and Aniline with Boronic Acids at Room Temperature. <i>Synlett</i> , 2017, 28, 1177-1182.	1.8	21
6	Size-tunable ZnO nanotapes as an efficient catalyst for oxidative chemoselective C–B bond cleavage of arylboronic acids. <i>Applied Catalysis A: General</i> , 2018, 562, 58-66.	4.3	21
7	Green chemical synthesis of Pd nanoparticles for use as efficient catalyst in Suzuki–Miyaura cross-coupling reaction. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4758.	3.5	21
8	In water homocoupling of arylboronic acids using nano-rod shaped and reusable copper oxide(II) catalyst at room temperature. <i>Tetrahedron Letters</i> , 2015, 56, 7069-7073.	1.4	19
9	Palladium nanoparticles decorated on reduced graphene oxide: An efficient catalyst for ligand-free and copper-free Sonogashira reaction at room temperature. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3679.	3.5	13
10	Cobalt–Copper Nanoparticles Catalyzed Selective Oxidation Reactions: Efficient Catalysis at Room Temperature. <i>ChemistrySelect</i> , 2018, 3, 9826-9832.	1.5	11
11	Methanol aided synthesis of PdNPs decorated on montmorillonite K 10 and its implication in Suzuki–Miyaura type cross coupling reaction under base free condition. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4192.	3.5	9
12	Effective utilization of basic nature of WEB in copper catalyzed Chan-Lam N-arylation reaction under ligand free conditions. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100093.	5.6	6
13	Titanium dioxide as an efficient heterogeneous catalyst for quick C–B bond cleavage of aryl/hetero arylboronic acid on water at room temperature. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100301.	3.3	4
14	Biocatalysis with Baker's yeast: A green and sustainable approach for C–B bond cleavage of aryl/heteroarylboronic acids and boronate esters at room temperature. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 19, 100363.	3.3	4
15	Microwave assisted and in-situ generated palladium nanoparticles catalysed desulfitative synthesis of cross-biphenyls from arylsulfonyl chlorides and phenylboronic acids. <i>Results in Chemistry</i> , 2021, 3, 100181.	2.0	2
16	A convenient room temperature ipso-nitration of arylboronic acid catalysed by molecular iodine using zirconium oxynitrate as nitrating species: An experimental and theoretical investigation. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4951.	3.5	1