Maya Chatterjee

List of Publications by Year
in descending order

28 papers	1,104 citations	394421 19 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	1569 citing authors

#	Article	IF	Citations
1	Production of lactic acid mediated by compressed carbon dioxide on heterogeneous Ni(<scp>ii</scp>) catalysts: a facile approach. Green Chemistry, 2022, 24, 6145-6155.	9.0	3
2	Selectivity controlled transformation of carbon dioxide into a versatile bi-functional multi-carbon oxygenate using a physically mixed rutheniumâ€“iridium catalyst. Catalysis Science and Technology, 2021, 11, 4719-4731.	4.1	2
3	Rapid and continuous fabrication of TiO2 nanoparticles encapsulated by polyimide fine particles using a multistep flow-system and their application. RSC Advances, 2021, 11, 2083-2087.	3.6	1
4	Formic Acidâ€Based Liquid Organic Hydrogen Carrier System with Heterogeneous Catalysts. Advanced Sustainable Systems, 2018, 2, 1700161.	5.3	141
5	Interconversion between CO₂ and HCOOH under Basic Conditions Catalyzed by PdAu Nanoparticles Supported by Amine-Functionalized Reduced Graphene Oxide as a Dual Catalyst. ACS Catalysis, 2018, 8, 5355-5362.	11.2	58
6	Accelerated decarbonylation of 5-hydroxymethylfurfural in compressed carbon dioxide: a facile approach. Green Chemistry, 2018, 20, 2345-2355.	9.0	36
7	Sequential hydrogen production system from formic acid and H₂/CO₂ separation under high-pressure conditions. Sustainable Energy and Fuels, 2018, 2, 1719-1725.	4.9	21
8	Defining Pt-compressed CO₂ synergy for selectivity control of furfural hydrogenation. RSC Advances, 2018, 8, 20190-20201.	3.6	9
9	Dehydrogenation of 5-hydroxymethylfurfural to diformylfuran in compressed carbon dioxide: an oxidant free approach. Green Chemistry, 2017, 19, 1315-1326.	9.0	47
10	Automatic high-pressure hydrogen generation from formic acid in the presence of nano-Pd heterogeneous catalysts at mild temperatures. Sustainable Energy and Fuels, 2017, 1, 1049-1055.	4.9	33
11	Rhodium-mediated hydrogenolysis/hydrolysis of the aryl ether bond in supercritical carbon dioxide/water: an experimental and theoretical approach. Catalysis Science and Technology, 2015, 5, 1532-1539.	4.1	47
12	Preparation and characterization of PdO nanoparticles on trivalent metal (B, Al and Ga) substituted MCM-41: Excellent catalytic activity in supercritical carbon dioxide. Journal of Colloid and Interface Science, 2014, 420, 15-26.	9.4	19
13	Selective hydrogenation of 5-hydroxymethylfurfural to 2,5-bis-(hydroxymethyl)furan using Pt/MCM-41 in an aqueous medium: a simple approach. Green Chemistry, 2014, 16, 4734-4739.	9.0	154
14	Hydrogenation of 5-hydroxymethylfurfural in supercritical carbon dioxideâ€“water: a tunable approach to dimethylfuran selectivity. Green Chemistry, 2014, 16, 1543.	9.0	121
15	An efficient cleavage of the aryl ether Câ€“O bond in supercritical carbon dioxideâ€“water. Chemical Communications, 2013, 49, 4567.	4.1	52
16	Continuous Fabrication of Novel Polyimide Nanoparticles Confining Highly Dispersed Gold Nanoparticles by a Multistep Microfluidic Reaction System and Their Catalytic Application. Chemistry Letters, 2012, 41, 447-449.	1.3	5
17	In situ synthesized Pd nanoparticles supported on B-MCM-41: an efficient catalyst for hydrogenation of nitroaromatics in supercritical carbon dioxide. Green Chemistry, 2012, 14, 3415.	9.0	44
18	Rapid Hydrogenation of Aromatic Nitro Compounds in Supercritical Carbon Dioxide: Mechanistic Implications <i>via</i> Experimental and Theoretical Investigations. Advanced Synthesis and Catalysis, 2012, 354, 2009-2018.	4.3	25

#	Article	IF	Citations
19	An attempt to achieve the direct hydrogenolysis of tetrahydrofurfuryl alcohol in supercritical carbon dioxide. Catalysis Science and Technology, 2011, 1, 1466.	4.1	42
20	Hydrogenation of aniline to cyclohexylamine in supercritical carbon dioxide: Significance of phase behaviour. Applied Catalysis A: General, 2011, 396, 186-193.	4.3	32
21	An Efficient Hydrogenation of Dinitrile to Aminonitrile in Supercritical Carbon Dioxide. Advanced Synthesis and Catalysis, 2010, 352, 2394-2398.	4.3	21
22	Preparation of silica sphere with porous structure in supercritical carbon dioxide. Journal of Colloid and Interface Science, 2010, 348, 57-64.	9.4	4
23	Continuous process for fabrication of size controlled polyimide nanoparticles using microfluidic system. Chemical Communications, 2010, 46, 7214.	4.1	16
24	An exceptionally rapid and selective hydrogenation of 2-cyclohexen-1-one in supercritical carbon dioxide. Chemical Communications, 2009, , 701-703.	4.1	9
25	Hydrogenation of citral in supercritical CO2 using a heterogeneous Ni(ii) catalyst. Green Chemistry, 2006, 8, 445.	9.0	19
26	Hydrogenation of Nitrobenzene with Supported Transition Metal Catalysts in Supercritical Carbon Dioxide. Advanced Synthesis and Catalysis, 2004, 346, 661-668.	4.3	68
27	Pd-catalyzed completely selective hydrogenation of conjugated and isolated Cî€€C of citral (3,7-dimethyl-2, 6-octadienal) in supercritical carbon dioxide. Green Chemistry, 2004, 6, 114-118.	9.0	33
28	Completely selective hydrogenation of trans-cinnamaldehyde to cinnamyl alcohol promoted by a Ruâ€“Pt bimetallic catalyst supported on MCM-48 in supercritical carbon dioxide. New Journal of Chemistry, 2003, 27, 510-513.	2.8	42