

# Bipul Sarkar

## List of Publications by Year in descending order

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34  
papers

1,063  
citations

394421

19  
h-index

414414

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1562  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advantages and limitations of catalytic oxidation with hydrogen peroxide: from bulk chemicals to lab scale process. <i>Catalysis Reviews - Science and Engineering</i> , 2022, 64, 229-285.	12.9	52
2	Integration of zeolite@metal-organic framework: a composite catalyst for isopropyl alcohol conversion to aromatics. <i>Materials Today Chemistry</i> , 2022, 24, 100796.	3.5	6
3	Low-Temperature Nonoxidative Dehydrogenation of Propane over Sn-promoted Mo-Y Zeolite: Catalytic performance and nature of the active sites. <i>Fuel</i> , 2022, 323, 124350.	6.4	5
4	Low-temperature selective production of propylene from non-oxidative dehydrogenation of propane over unconventional Zr/ZK-5 catalysts. <i>Fuel Processing Technology</i> , 2022, 235, 107362.	7.2	7
5	Synthesis of sub-nanometric Cu <sub>2</sub> O catalysts for Pd-free C-C coupling reactions. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 929-936.	3.7	3
6	Fe-decorated hierarchical molybdenum carbide for direct conversion of CO <sub>2</sub> into ethylene: Tailoring activity and stability. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 50, 101607.	6.8	14
7	Production of renewable aromatics from jatropha oil over multifunctional ZnCo/ZSM-5 catalysts. <i>Renewable Energy</i> , 2021, 179, 2124-2135.	8.9	9
8	CNx stabilized Ni-Ga nanoparticles for CO <sub>2</sub> hydrogenation: Role of preparation methods. <i>Catalysis Today</i> , 2020, 343, 48-55.	4.4	15
9	Renewable Aromatics from Tree-Borne Oils over Zeolite Catalysts Promoted by Transition Metals. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24756-24766.	8.0	21
10	Converting Lignocellulosic Pentosan-Derived Yeast Single Cell Oil into Aromatics: Biomass to Bio-BTX. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13437-13445.	6.7	19
11	Ag and WO <sub>x</sub> Nanoparticles Embedded in Mesoporous SiO <sub>2</sub> for Cyclohexane Oxidation. <i>ACS Applied Nano Materials</i> , 2019, 2, 5989-5999.	5.0	25
12	Supercritical methanol as an effective medium for producing asphaltene-free light fraction oil from vacuum residue. <i>Journal of Supercritical Fluids</i> , 2018, 133, 184-194.	3.2	12
13	K-Promoted Pt-Hydrotalcite Catalyst for Production of H <sub>2</sub> by Aqueous Phase Reforming of Glycerol. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2122-2131.	6.7	29
14	Simultaneous breaking and conversion of petroleum emulsions into synthetic crude oil with low impurities. <i>Fuel</i> , 2017, 199, 135-144.	6.4	14
15	MoO <sub>3</sub> Nanoclusters Decorated on TiO <sub>2</sub> Nanorods for Oxidative dehydrogenation of ethane to ethylene. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 637-649.	20.2	59
16	Highly selective transfer hydrogenation of $\alpha,\beta$ -unsaturated carbonyl compounds using Cu-based nanocatalysts. <i>Catalysis Science and Technology</i> , 2017, 7, 2828-2837.	4.1	26
17	Role of Pyridinic Nitrogen on Base Catalyzed Knoevenagel Condensation over Pristine CN <sub>x</sub> . <i>ChemistrySelect</i> , 2017, 2, 8086-8090.	1.5	6
18	Synthesis of AgWCN Nanocomposites for the One-Step Conversion of Cyclohexene to Adipic Acid and Its Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2017, 23, 16555-16565.	3.3	9

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19	Effective vacuum residue upgrading using sacrificial nickel(II) dimethylglyoxime complex in supercritical methanol. <i>Applied Catalysis A: General</i> , 2017, 545, 148-158.	4.3	25
20	A non-catalytic, supercritical methanol route for producing high-yield saturated and aromatic compounds from de-oiled asphaltenes. <i>Journal of Supercritical Fluids</i> , 2017, 120, 140-150.	3.2	16
21	Highly nanodispersed Gd-doped Ni/ZSM-5 catalyst for enhanced carbon-resistant dry reforming of methane. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 17-26.	4.8	39
22	Single-step synthesis of hierarchical B <sub>x</sub> /CN: a metal-free catalyst for low-temperature oxidative dehydrogenation of propane. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18559-18569.	10.3	54
23	Studies of synergy between metal-support interfaces and selective hydrogenation of HMF to DMF in water. <i>Journal of Catalysis</i> , 2016, 340, 248-260.	6.2	101
24	Morphology-controlled synthesis of TiO <sub>2</sub> nanostructures for environmental application. <i>Catalysis Communications</i> , 2016, 74, 43-48.	3.3	15
25	Preparation of the CuCr <sub>2</sub> O <sub>4</sub> spinel nanoparticles catalyst for selective oxidation of toluene to benzaldehyde. <i>Green Chemistry</i> , 2014, 16, 2500-2508.	9.0	99
26	Acid-Base Cooperative Catalysis over Mesoporous Nitrogen-Rich Carbon. <i>ChemCatChem</i> , 2014, 6, 3091-3095.	3.7	21
27	Pt nanoparticle supported on nanocrystalline CeO <sub>2</sub> : highly selective catalyst for upgradation of phenolic derivatives present in bio-oil. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18398-18404.	10.3	32
28	Cu nanoclusters supported on nanocrystalline SiO <sub>2</sub> -MnO <sub>2</sub> : a bifunctional catalyst for the one-step conversion of glycerol to acrylic acid. <i>Chemical Communications</i> , 2014, 50, 9707-9710.	4.1	51
29	Preparation of CeO <sub>2</sub> nanoparticles supported on 1-D silica nanostructures for room temperature selective oxidation of styrene. <i>RSC Advances</i> , 2014, 4, 5453.	3.6	27
30	Pt nanoparticles with tuneable size supported on nanocrystalline ceria for the low temperature water-gas-shift (WGS) reaction. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 117-123.	4.8	21
31	Formation of ilmenite-type CoTiO <sub>3</sub> on TiO <sub>2</sub> and its performance in oxidative dehydrogenation of cyclohexane with molecular oxygen. <i>Catalysis Communications</i> , 2014, 56, 5-10.	3.3	14
32	Selective Oxidation of Propylene to Propylene Oxide over Silver-Supported Tungsten Oxide Nanostructure with Molecular Oxygen. <i>ACS Catalysis</i> , 2014, 4, 2169-2174.	11.2	114
33	Reforming of methane with CO <sub>2</sub> over Ni nanoparticle supported on mesoporous ZSM-5. <i>Catalysis Today</i> , 2012, 198, 209-214.	4.4	47
34	Room temperature selective oxidation of cyclohexane over Cu-nanoclusters supported on nanocrystalline Cr <sub>2</sub> O <sub>3</sub> . <i>Green Chemistry</i> , 2012, 14, 2600.	9.0	56