

Sudip Maity

List of Publications by Year in descending order

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39
papers

1,947
citations

331670

21
h-index

315739

38
g-index

44
all docs

44
docs citations

44
times ranked

3075
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on development of industrial processes and emerging techniques for production of hydrogen from renewable and sustainable sources. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 23, 443-462.	16.4	470
2	Towards the conversion of carbohydrate biomass feedstocks to biofuels via hydroxymethylfurfural. <i>Energy and Environmental Science</i> , 2010, 3, 1833.	30.8	179
3	Reflections on the chemistry of the Fischer–Tropsch synthesis. <i>RSC Advances</i> , 2012, 2, 7347.	3.6	109
4	Investigations on PAHs and trace elements in coal and its combustion residues from a power plant. <i>Fuel</i> , 2015, 162, 138-147.	6.4	106
5	Lower alkanes dehydrogenation: Strategies and reaction routes to corresponding alkenes. <i>Fuel Processing Technology</i> , 2016, 149, 239-255.	7.2	102
6	Increasing carbon utilization in Fischer–Tropsch synthesis using H ₂ -deficient or CO ₂ -rich syngas feeds. <i>Fuel Processing Technology</i> , 2010, 91, 136-144.	7.2	94
7	Discovery of 3,3-diindolylmethanes as potent antileishmanial agents. <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 435-443.	5.5	85
8	Preparation, characterization and optimization for upgrading <i>Leucaena leucocephala</i> bark to biochar fuel with high energy yielding. <i>Energy</i> , 2016, 106, 743-756.	8.8	77
9	Sm-CeO ₂ supported gold nanoparticle catalyst for benzyl alcohol oxidation using molecular O ₂ . <i>Applied Catalysis A: General</i> , 2013, 452, 94-104.	4.3	63
10	Barium, calcium and magnesium doped mesoporous ceria supported gold nanoparticle for benzyl alcohol oxidation using molecular O ₂ . <i>Catalysis Science and Technology</i> , 2013, 3, 360-370.	4.1	61
11	Aerobic oxidation of benzyl alcohol over mesoporous Mn-doped ceria supported Au nanoparticle catalyst. <i>Journal of Molecular Catalysis A</i> , 2013, 378, 47-56.	4.8	57
12	Towards reforming technologies for production of hydrogen exclusively from renewable resources. <i>Green Chemistry</i> , 2011, 13, 2272.	9.0	49
13	Renewable fuels from different carbonaceous feedstocks: a sustainable route through Fischer–Tropsch synthesis. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 853-868.	3.2	37
14	Highly active Ga promoted Co-HMS-X catalyst towards styrene epoxidation reaction using molecular O ₂ . <i>Applied Catalysis A: General</i> , 2014, 482, 61-68.	4.3	36
15	Influence of acidity of montmorillonite and modified montmorillonite clay minerals for the conversion of longifolene to isolongifolene. <i>Journal of Molecular Catalysis A</i> , 2007, 266, 215-220.	4.8	34
16	Cu–Mn bimetallic catalyst for Huisgen [3+2]-cycloaddition. <i>Green Chemistry</i> , 2010, 12, 1568.	9.0	34
17	Synthesis, characterization of VPO catalyst dispersed on mesoporous silica surface and catalytic activity for cyclohexane oxidation reaction. <i>Microporous and Mesoporous Materials</i> , 2016, 223, 121-128.	4.4	31
18	Dust fall and elemental flux in a coal mining area. <i>Journal of Geochemical Exploration</i> , 2014, 144, 443-455.	3.2	30

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19	Geochemical, mineralogical and toxicological characteristics of coal fly ash and its environmental impacts. <i>Chemosphere</i> , 2022, 307, 135710.	8.2	30
20	Niobium doped hexagonal mesoporous silica (HMS-X) catalyst for vapor phase Beckmann rearrangement reaction. <i>RSC Advances</i> , 2014, 4, 845-854.	3.6	28
21	Mesoporous TUD-1 supported indium oxide nanoparticles for epoxidation of styrene using molecular O ₂ . <i>RSC Advances</i> , 2015, 5, 46850-46860.	3.6	28
22	Heteropolyacid-clay nano-composite as a novel heterogeneous catalyst for the synthesis of 2,3-dihydroquinazolinones. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 407-412.	5.8	27
23	A review on conversion of triglycerides to on-specification diesel fuels without additional inputs. <i>International Journal of Energy Research</i> , 2012, 36, 691-702.	4.5	19
24	Intramolecular Base-Free Sonogashira Reaction for the Synthesis of Benzannulated Chiral Macrocycles Embedded in Carbohydrate Templates. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1933-1940.	4.3	18
25	MnO _x supported on a TiO ₂ @SBA-15 nanoreactor used as an efficient catalyst for one-pot synthesis of imine by oxidative coupling of benzyl alcohol and aniline under atmospheric air. <i>RSC Advances</i> , 2016, 6, 73906-73914.	3.6	17
26	Nitration of Jharia basin coals, India: a study of structural modifications by XRD and FTIR techniques. <i>International Journal of Coal Science and Technology</i> , 2021, 8, 1034-1053.	6.0	17
27	Gold nanoparticles on mesoporous Cerium-Tin mixed oxide for aerobic oxidation of benzyl alcohol. <i>Journal of Molecular Catalysis A</i> , 2016, 418-419, 41-53.	4.8	15
28	Synthesis of middle distillate through low temperature Fischer-Tropsch (LTFT) reaction over mesoporous SDA supported cobalt catalysts using syngas equivalent to coal gasification. <i>Applied Catalysis A: General</i> , 2018, 557, 55-63.	4.3	14
29	Coal fly ash-derived mesoporous SBA-15 as support material for production of liquid hydrocarbon through Fischer-Tropsch route. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2471.	1.5	13
30	Studies on synthesis and characteristics of zeolite prepared from Indian fly ash. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 37-50.	2.2	11
31	TPR and TPD studies of effects of Cu and Ca promotion on Fe-Zn-based Fischer-Tropsch catalysts. <i>Journal of Chemical Sciences</i> , 2013, 125, 679-686.	1.5	10
32	Influence of Nitric Acid Treatment in Different Media on X-ray Structural Parameters of Coal. <i>Energy & Fuels</i> , 2008, 22, 4087-4091.	5.1	9
33	Low CO ₂ selective iron based Fischer-Tropsch catalysts for coal based polygeneration. <i>Applied Energy</i> , 2013, 107, 377-383.	10.1	9
34	Partitioning of Rare Earth Elements (REEs) from Coal to Coal Fly Ash in Different Thermal Power Stations (TPS) of India. <i>Journal of the Geological Society of India</i> , 2022, 98, 460-466.	1.1	8
35	Sulfated zirconia as an efficient heterogeneous and reusable catalyst for one pot synthesis of flavanones. <i>Journal of Saudi Chemical Society</i> , 2014, 18, 464-468.	5.2	7
36	Comparative TPR and TPD Studies of Cu and Ca Promotion on Fe-Zn- and Fe-Zn-Zr-Based Fischer-Tropsch Catalysts. <i>Oil and Gas Science and Technology</i> , 2015, 70, 511-519.	1.4	6

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37	Fischer-Tropsch synthesis over Pd promoted cobalt based mesoporous supported catalyst. Oil and Gas Science and Technology, 2021, 76, 21.	1.4	3
38	Evaluation of Treatment Techniques for Utilising Acid Mine Water in Agriculture. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	3
39	Carbon-carbon (C C) bond forming reactions for the production of hydrocarbon biofuels from biomass-derived compounds. , 2022, , 297-325.		1