

Hassnain Abbas Khan

List of Publications by Year in descending order

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papers

997
citations

471509

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29
all docs

29
docs citations

29
times ranked

1393
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of catalysts for sulfuric acid decomposition in the sulfur-iodine cycle: a review. <i>Catalysis Reviews - Science and Engineering</i> , 2022, 64, 875-910.	12.9	5
2	Comparative Study of the Catalytic Oxidation of Hydrocarbons on Platinum and Palladium Wires and Nanoparticles. <i>Energy & Fuels</i> , 2022, 36, 2044-2057.	5.1	4
3	Metal organic framework assisted Co-Ce mixed oxide catalyst for carbon monoxide and ethylene oxidation. <i>Fuel</i> , 2022, 318, 123638.	6.4	13
4	Materials Optimization for thin-film copper indium gallium selenide (CIGS) solar cell based on distributed bragg reflector. <i>Optik</i> , 2021, 227, 165987.	2.9	13
5	Yttrium stabilization and Pt addition to Pd/ZrO ₂ catalyst for the oxidation of methane in the presence of ethylene and water. <i>RSC Advances</i> , 2021, 11, 11910-11917.	3.6	4
6	A comprehensive overview and recent advances on polyhydroxyalkanoates (PHA) production using various organic waste streams. <i>Bioresource Technology</i> , 2021, 325, 124685.	9.6	138
7	Pt-core silica shell nanostructure: a robust catalyst for the highly corrosive sulfuric acid decomposition reaction in sulfur iodine cycle to produce hydrogen. <i>New Journal of Chemistry</i> , 2021, 45, 1247-1252.	2.8	8
8	Pt stabilization on Pt/SBA-15 through surface modification using MPTMS for sulfuric acid decomposition in SI cycle to produce hydrogen. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 5772-5782.	7.1	6
9	Origin of high stability of Pt/anatase-TiO ₂ catalyst in sulfuric acid decomposition for SI cycle to produce hydrogen. <i>Catalysis Today</i> , 2020, 352, 316-322.	4.4	9
10	Catalytic activity of facilely synthesized mesoporous HZSM-5 catalysts for optimizing the CO ₂ desorption rate from CO ₂ -rich amine solutions. <i>Chemical Engineering Journal</i> , 2020, 389, 123439.	12.7	49
11	Understanding the hierarchical assemblies and oil/water separation applications of metal-organic frameworks. <i>Journal of Molecular Liquids</i> , 2020, 318, 114273.	4.9	26
12	The pronounced effect of Sn on RhSn catalysts for propane dehydrogenation. <i>Journal of Catalysis</i> , 2020, 392, 8-20.	6.2	18
13	Catalytic performance of Pd catalyst supported on Zr:Ce modified mesoporous silica for methane oxidation. <i>Chemical Engineering Journal</i> , 2020, 397, 125489.	12.7	25
14	Carbon molecular sieve production from defatted spent coffee ground using ZnCl ₂ and benzene for gas purification. <i>Fuel</i> , 2020, 277, 118183.	6.4	20
15	A review on valorization of spent coffee grounds (SCG) towards biopolymers and biocatalysts production. <i>Bioresource Technology</i> , 2020, 314, 123800.	9.6	54
16	Citronellal cyclisation to isopulegol over micro-mesoporous zsm-5 zeolite: effects of desilication temperature on textural and catalytic properties. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 128, 507-522.	1.7	13
17	Integrated valorization of <i>Moringa oleifera</i> and waste <i>Phoenix dactylifera</i> L. dates as potential feedstocks for biofuels production from Algerian Sahara: An experimental perspective. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101234.	3.1	46
18	Fuels properties, characterizations and engine and emission performance analyses of ternary waste cooking oil biodiesel-diesel-propanol blends. <i>Sustainable Energy Technologies and Assessments</i> , 2019, 35, 321-334.	2.7	56

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19	Valorization of spent coffee grounds into biofuels and value-added products: Pathway towards integrated bio-refinery. <i>Fuel</i> , 2019, 254, 115640.	6.4	100
20	Integrated valorization of waste cooking oil and spent coffee grounds for biodiesel production: Blending with higher alcohols, FTIR, TGA, DSC and NMR characterizations. <i>Fuel</i> , 2019, 244, 419-430.	6.4	97
21	Pt encapsulated hollow mesoporous SiO ₂ sphere catalyst for sulfuric acid decomposition reaction in SI cycle. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2312-2322.	7.1	23
22	Facile synthesis of alfa-nickel hydroxide by an ultrasound-assisted method and its application in energy storage devices. <i>Applied Surface Science</i> , 2019, 474, 218-226.	6.1	19
23	One-pot synthesis of Pt-Sn bimetallic mesoporous alumina catalysts with worm-like pore structure for n-butane dehydrogenation. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 63, 380-390.	5.8	22
24	Citronellal cyclisation over heteropoly acid supported on modified montmorillonite catalyst: effects of acidity and pore structure on catalytic activity. <i>Research on Chemical Intermediates</i> , 2018, 44, 2405-2423.	2.7	22
25	Stabilization of Pt at the inner wall of hollow spherical SiO ₂ generated from Pt/hollow spherical SiC for sulfuric acid decomposition. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 151-160.	20.2	27
26	Valorization of spent coffee grounds recycling as a potential alternative fuel resource in Turkey: An experimental study. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 196-214.	1.9	53
27	Synthesis of Pt/mesoporous SiC-15 and its catalytic performance for sulfuric acid decomposition. <i>Catalysis Today</i> , 2018, 303, 25-32.	4.4	16
28	Anaerobic membrane bioreactors for biohydrogen production: Recent developments, challenges and perspectives. <i>Bioresource Technology</i> , 2018, 269, 452-464.	9.6	100
29	Preparation Scheme of Active Pt/SiC Catalyst and Its Phase Changes During Sulfuric Acid Decomposition to Produce Hydrogen in the SI Cycle. <i>Catalysis Letters</i> , 2017, 147, 1931-1940.	2.6	11