Ramesh Arumugam

List of Publications by Year
in descending order

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Version: 2024-02-01

23	485	687363 13	677142 22
papers	citations	h-index	g-index

23	23	23	476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combustion and emission analysis of hydrogenated waste polypropylene pyrolysis oil blended with diesel. Journal of Hazardous Materials, 2020, 386, 121453.	12.4	64
2	Recent advances in the synthesis and applications of mordenite zeolite â€“ review. RSC Advances, 2021, 11, 250-267.	3.6	46
3	Platinum incorporated mordenite zeolite modified glassy carbon electrode used for selective electrochemical detection of mercury ions. Microporous and Mesoporous Materials, 2020, 292, 109770.	4.4	41
4	Catalytic hydrodeoxygenation of jojoba oil to the green-fuel application on Ni-MoS/Mesoporous zirconia-silica catalysts. Renewable Energy, 2019, 138, 161-173.	8.9	40
5	Mg/SiO2â€“Al2O3 supported nickel catalysts for the production of naphthenic hydrocarbon fuel by hydro-de-oxygenation of eugenol. International Journal of Hydrogen Energy, 2019, 44, 25607-25620.	7.1	32
6	Catalytic activity of ratio-dependent SBA-15 supported zirconia catalysts for highly selective oxidation of benzyl alcohol to benzaldehyde and environmental pollutant heavy metal ions detection. Journal of Molecular Structure, 2019, 1176, 650-661.	3.6	29
7	Catalytic transformation of non-edible oils to biofuels through hydrodeoxygenation using Mo-Ni/mesoporous alumina-silica catalysts. Fuel, 2020, 262, 116494.	6.4	28
8	Effect of acidity and porosity changes of dealuminated mordenite on n-pentane, n-hexane and light naphtha isomerization. Microporous and Mesoporous Materials, 2019, 287, 192-202.	4.4	25
9	Sulphated Zrâ€“Al2O3 catalysts through jatropha oil to green-diesel production. Materials Letters, 2019, 238, 62-65.	2.6	24
10	Isomerization of hydrocarbons over Pt supported on micro-mesoporous ZSM-5. Polyhedron, 2018, 154, 314-324.	2.2	20
11	Facile synthesis of core-shell nanocomposites Au catalysts towards abatement of environmental pollutant Rhodamine B. Heliyon, 2019, 5, e01005.	3.2	20
12	Highly selective oxidation of benzyl alcohol over Pt-sulphated zirconia supported on SBA-15 catalyst by using a high-pressure fixed bed reactor. Polyhedron, 2018, 155, 390-397.	2.2	19
13	Facile synthesis of poly (benzylamine) brushes stabilized silver nanoparticle catalyst for the abatement of environmental pollutant methylene blue. Materials Chemistry and Physics, 2019, 229, 421-430.	4.0	14
14	Selectivity oxidation of benzyl alcohol using mesoporous g-C3N4 catalysts prepared by hard template method. Colloids and Interface Science Communications, 2022, 48, 100608.	4.1	14
15	Intrinsic role of pH in altering catalyst properties of NiMoP over alumino-silicate for the vapour phase hydrodeoxygenation of methyl heptanoate. New Journal of Chemistry, 2019, 43, 3545-3555.	2.8	12
16	Hydrogenation of dicyclopentadiene into endo-tetrahydrodicyclopentadie over supported different metal catalysts. Microporous and Mesoporous Materials, 2019, 290, 109678.	4.4	10
17	Catalytic conversion of glucose to 5-hydroxymethylfurfural productions over sulphated Ti-Al2O3 catalysts. Biomass and Bioenergy, 2021, 154, 106261.	5.7	10
18	Electrochemical performance analysis of NiMoO4/Î±-MoO3 composite as anode material for high capacity lithium-ion batteries. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	10

#	Article	IF	Citations
19	Selective oxidation of benzyl alcohol over sulphated zirconia incorporated ordered mesoporous carbon by a hard template method. Journal of Alloys and Compounds, 2022, 918, 165729.	5.5	9
20	Isomerization of Alkanes over Ionic Liquids Supported on SBA-15. Energy & Fuels, 2020, 34, 14620-14632.	5.1	7
21	Catalytic renovation of nonâ€edible oil to biodiesel production through sulfated <scp> Mgâ€Al ₂ O ₃ </scp> (10) catalysts. International Journal of Energy Research, 2021, 45, 16102-16114.	4.5	6
22	Hydrogenolysis of glycerol to 1, 2-propanediol on MgO/Ni3C catalysts fabricated by a solid-state thermal synthesis. Molecular Catalysis, 2022, 525, 112358.	2.0	3
23	NiMoS over Ti-incorporated mesoporous silicates for the hydrotreating of non-edible oils to bio-jet fuels. Molecular Catalysis, 2022, 518, 112113.	2.0	2