

Ramesh Arumugam

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

485
citations

687363

13
h-index

677142

22
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23
all docs

23
docs citations

23
times ranked

476
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical performance analysis of NiMoO ₄ /±-MoO ₃ composite as anode material for high capacity lithium-ion batteries. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	10
2	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
3	Selectivity oxidation of benzyl alcohol using mesoporous g-C ₃ N ₄ catalysts prepared by hard template method. Colloids and Interface Science Communications, 2022, 48, 100608.	4.1	14
4	Hydrogenolysis of glycerol to 1, 2-propanediol on MgO/Ni ₃ C catalysts fabricated by a solid-state thermal synthesis. Molecular Catalysis, 2022, 525, 112358.	2.0	3
5	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
6	Recent advances in the synthesis and applications of mordenite zeolite “ review. RSC Advances, 2021, 11, 250-267.	3.6	46
7	Catalytic renovation of non-edible oil to biodiesel production through sulfated Mg ₂ O ₃ (10) catalysts. International Journal of Energy Research, 2021, 45, 16102-16114.	4.5	6
8	Catalytic conversion of glucose to 5-hydroxymethylfurfural productions over sulphated Ti-Al ₂ O ₃ catalysts. Biomass and Bioenergy, 2021, 154, 106261.	5.7	10
9	Combustion and emission analysis of hydrogenated waste polypropylene pyrolysis oil blended with diesel. Journal of Hazardous Materials, 2020, 386, 121453.	12.4	64
10	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
11	Catalytic transformation of non-edible oils to biofuels through hydrodeoxygenation using Mo-Ni/mesoporous alumina-silica catalysts. Fuel, 2020, 262, 116494.	6.4	28
12	Isomerization of Alkanes over Ionic Liquids Supported on SBA-15. Energy & Fuels, 2020, 34, 14620-14632.	5.1	7
13	Hydrogenation of dicyclopentadiene into endo-tetrahydrodicyclopentadiene over supported different metal catalysts. Microporous and Mesoporous Materials, 2019, 290, 109678.	4.4	10
14	Mg/SiO ₂ –Al ₂ O ₃ 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
15	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
16	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
17	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
18	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

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19	Facile synthesis of core-shell nanocomposites Au catalysts towards abatement of environmental pollutant Rhodamine B. Heliyon, 2019, 5, e01005.	3.2	20
20	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
21	Sulphated Zr-Al ₂ O ₃ catalysts through jatropha oil to green-diesel production. Materials Letters, 2019, 238, 62-65.	2.6	24
22	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
23	Isomerization of hydrocarbons over Pt supported on micro-mesoporous ZSM-5. Polyhedron, 2018, 154, 314-324.	2.2	20