

Zuhair Malaibari

List of Publications by Year in descending order

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28
papers

764
citations

623734

14
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

1096
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical reduction of CO ₂ to methanol over MWCNTs impregnated with Cu ₂ O. <i>Chemical Engineering Science</i> , 2016, 152, 468-477.	3.8	86
2	An experimental study on stability and thermal conductivity of water/CNTs nanofluids using different surfactants: A comparison study. <i>Journal of Molecular Liquids</i> , 2020, 304, 111025.	4.9	86
3	Outstanding adsorption performance of high aspect ratio and super-hydrophobic carbon nanotubes for oil removal. <i>Chemosphere</i> , 2016, 164, 142-155.	8.2	79
4	Recent Advances in Heavy Oil Upgrading Using Dispersed Catalysts. <i>Energy & Fuels</i> , 2019, 33, 7917-7949.	5.1	71
5	Effect of interactions between Ni and Mo on catalytic properties of a bimetallic Ni-Mo/Al ₂ O ₃ propane reforming catalyst. <i>Applied Catalysis A: General</i> , 2015, 490, 80-92.	4.3	62
6	Microwave assisted growth of SAPO-34 on β -SiC foams for methanol dehydration to dimethyl ether. <i>Chemical Engineering Journal</i> , 2015, 274, 113-122.	12.7	52
7	Hydrogen production by methane cracking using Ni-supported catalysts in a fluidized bed. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 10690-10701.	7.1	43
8	Performance characteristics of Mo-Ni/Al ₂ O ₃ catalysts in LPG oxidative steam reforming for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 10061-10073.	7.1	38
9	Syngas production from CO ₂ reforming of methane over Ni supported on hierarchical silicalite-1 fabricated by microwave-assisted hydrothermal synthesis. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13177-13189.	7.1	31
10	OSDA-free chabazite (CHA) zeolite synthesized in the presence of fluoride for selective methanol-to-olefins. <i>Microporous and Mesoporous Materials</i> , 2019, 274, 277-285.	4.4	31
11	Photovoltaic improvement and charge recombination reduction by aluminum oxide impregnated MWCNTs/TiO ₂ based photoanode for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2016, 203, 162-170.	5.2	28
12	Hydrogen Production through Steam Reforming of Diesel over Highly Efficient Promoted Ni/Al ₂ O ₃ Catalysts Containing Lanthanide Series (La, Ce, Eu, Pr, and Gd) Promoters. <i>Energy & Fuels</i> , 2018, 32, 7054-7065.	5.1	27
13	A Comprehensive Review Covering Conventional and Structured Catalysis for Methanol to Propylene Conversion. <i>Catalysis Letters</i> , 2019, 149, 3395-3424.	2.6	22
14	Microwave-Assisted Hydrothermal Synthesis of CHA Zeolite for Methanol-to-Olefins Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 60-68.	3.7	19
15	Novel (Co,Ni)-p-tert-Butylcalix[4]arenes as Dispersed Catalysts for Heavy Oil Upgrading: Synthesis, Characterization, and Performance Evaluation. <i>Energy & Fuels</i> , 2019, 33, 561-573.	5.1	13
16	Kinetics of the synergy effects in heavy oil upgrading using novel Ni-p-tert-butylcalix[4]arene as a dispersed catalyst with a supported catalyst. <i>Fuel Processing Technology</i> , 2019, 185, 158-168.	7.2	12
17	Effects of metal support interaction on dry reforming of methane over Ni/CeAl ₂ O ₃ catalysts. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 2425-2434.	1.7	12
18	(ⁿ BuCp) ₂ ZrCl ₂ -catalyzed ethylene-4M1P copolymerization: Copolymer backbone structure, melt behavior, and crystallization. <i>AIChE Journal</i> , 2016, 62, 1688-1706.	3.6	9

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19	Selective Production of Propylene from Methanol over Monolith-Supported Modified ZSM-5 Catalysts. <i>Energy & Fuels</i> , 2019, 33, 1458-1466.	5.1	9
20	Corrosion of inhibitor treated mild steel immersed in distilled water and a simulated salt solution. <i>Anti-Corrosion Methods and Materials</i> , 2013, 60, 227-233.	1.5	7
21	Investigation of atmospheric corrosion of mild steel after treatment by several inhibitor solutions. <i>Corrosion Engineering Science and Technology</i> , 2007, 42, 112-118.	1.4	6
22	Catalytic Synthesis of Substrate-Free, Aligned and Tailored High Aspect Ratio Multiwall Carbon Nanotubes in an Ultrasonic Atomization Head CVD Reactor. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-10.	2.7	6
23	Green in-situ incorporation of metals in chabazite (CHA) zeolite. <i>Microporous and Mesoporous Materials</i> , 2021, 326, 111375.	4.4	5
24	Metallocene-catalyzed ethylene-olefin isomeric copolymerization: A perspective from hydrodynamic boundary layer mass transfer and design of MAO anion. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 92-105.	5.3	4
25	Surface characterization of mild steel exposed to atmosphere after being treated by sodium benzoate and dicyclohexylamine nitrite. <i>Anti-Corrosion Methods and Materials</i> , 2016, 63, 337-346.	1.5	3
26	Effect of MWCNTs surface properties on lipase immobilization and its catalytic activity. <i>Materials Express</i> , 2018, 8, 123-132.	0.5	2
27	Surface Characterization of Mild Steel During Atmospheric Corrosion After Being Treated by Sodium Dihydrogen Orthophosphate. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2018, 54, 926-933.	1.1	1
28	Catalytic Synthesis of High Aspect Ratio Al ₂ O ₃ Impregnated Carbon Nanotubes Used to Improve Thermophysical Properties of Nanofluids with A Case Study on an Industrial Gasoline-water Heat Exchanger. <i>Materials Express</i> , 2019, 9, 85-98.	0.5	0