

Reza Khoshbin

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

582
citations

687363

13
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

487
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct syngas to DME as a clean fuel: The beneficial use of ultrasound for the preparation of CuO-ZnO-Al ₂ O ₃ /HZSM-5 nanocatalyst. Chemical Engineering Research and Design, 2013, 91, 1111-1122.	5.6	106
2	Direct conversion of syngas to dimethyl ether as a green fuel over ultrasound-assisted synthesized CuO-ZnO-Al ₂ O ₃ /HZSM-5 nanocatalyst: effect of active phase ratio on physicochemical and catalytic properties at different process conditions. Catalysis Science and Technology, 2014, 4, 1779-1792.	4.1	66
3	Direct synthesis of dimethyl ether on the admixed nanocatalysts of CuO-ZnO-Al ₂ O ₃ and HNO ₃ -modified clinoptilolite at high pressures: Surface properties and catalytic performance. Materials Research Bulletin, 2013, 48, 767-777.	5.2	60
4	Preparation and Catalytic Performance of CuO-ZnO-Al ₂ O ₃ /Clinoptilolite Nanocatalyst for Single-Step Synthesis of Dimethyl Ether from Syngas as a Green Fuel. Journal of Nanoscience and Nanotechnology, 2013, 13, 4996-5003.	0.9	49
5	Preparation of hierarchical structure of Y zeolite with ultrasonic-assisted alkaline treatment method used in catalytic cracking of middle distillate cut: The effect of irradiation time. Fuel Processing Technology, 2018, 176, 283-295.	7.2	46
6	Synthesis of mesoporous ZSM-5 from rice husk ash with ultrasound assisted alkali-treatment method used in catalytic cracking of light naphtha. Advanced Powder Technology, 2017, 28, 1888-1897.	4.1	39
7	The beneficial use of ultrasound in free template synthesis of nanostructured ZSM-5 zeolite from rice husk ash used in catalytic cracking of light naphtha: Effect of irradiation power. Advanced Powder Technology, 2017, 28, 973-982.	4.1	38
8	Combustion dispersion of CuO-ZnO-Al ₂ O ₃ nanocatalyst over HZSM-5 used in DME production as a green fuel: Effect of citric acid to nitrate ratio on catalyst properties and performance. Energy Conversion and Management, 2016, 120, 1-12.	9.2	29
9	Catalytic cracking of light naphtha over hierarchical ZSM-5 using rice husk ash as silica source in presence of ultrasound energy: Effect of carbon nanotube content. Advanced Powder Technology, 2018, 29, 2176-2187.	4.1	23
10	Combination of precipitation and ultrasound irradiation methods for preparation of lanthanum-modified Y zeolite nano-catalysts used in catalytic cracking of bulky hydrocarbons. Materials Chemistry and Physics, 2019, 230, 131-144.	4.0	18
11	Synthesis of free template ZSM-5 catalyst from rice husk ash and co-modified with lanthanum and phosphorous for catalytic cracking of naphtha. Journal of Porous Materials, 2018, 25, 451-461.	2.6	17
12	A new approach for synthesis of well-crystallized Y zeolite from bentonite and rice husk ash used in Ni-Mo/Al ₂ O ₃ -Y hybrid nanocatalyst for hydrocracking of heavy oil. Advanced Powder Technology, 2021, 32, 524-534.	4.1	16
13	Free template synthesis of novel hybrid MFI/BEA zeolite structure used in the conversion of methanol to clean gasoline: Effect of Beta zeolite content. Fuel, 2021, 304, 121386.	6.4	16
14	Beneficial incorporation of metal-sulfur interaction in adsorption capacity of boron nitride based adsorbents used in highly selective sulfur removal. Fuel, 2022, 310, 122277.	6.4	16
15	A green approach for template free synthesis of Beta zeolite incorporated in ZSM-5 zeolite to enhance catalytic activity in MTG reaction: Effect of seed nature and temperature. Journal of Cleaner Production, 2022, 361, 132159.	9.3	11
16	Direct conversion of syngas to dimethyl ether as a green fuel over CuO-ZnO-Al ₂ O ₃ /HZSM-5 nanocatalyst: Effect of aging time on physicochemical and catalytic properties. Journal of Renewable and Sustainable Energy, 2015, 7, 023127.	2.0	9
17	Facile fabrication, characterization and catalytic activity of a NiMo/Al ₂ O ₃ nanocatalyst via a solution combustion method used in a low temperature hydrodesulfurization process: the effect of fuel to oxidant ratio. RSC Advances, 2020, 10, 12439-12450.	3.6	7
18	Beneficial use of ultrasound irradiation in synthesis of beta-clinoptilolite composite used in heavy oil upgrading process. RSC Advances, 2019, 9, 16797-16811.	3.6	6

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19	Catalytic upgrading of heavy oil over mesoporous HZSM-5 zeolite in the presence of atmospheric oxygen flow. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 129, 941-962.	1.7	6
20	New approach for enhancement of light olefin production through oxidative dehydrogenation of propane over doped Mo/TiO ₂ nanotubes. <i>Advanced Powder Technology</i> , 2022, 33, 103356.	4.1	3