S Askari

List of Publications by Year
in descending order

31 papers	1,002 citations	430874 18 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	748 citing authors

#	Article	IF	Citations
1	Green route of flexible Al-MOF synthesis with superior properties at low energy consumption assisted by ultrasound waves. Solid State Sciences, 2022, 123, 106782.	3.2	11
2	Facile and selective approach towards synthesis of a series ZSM-5/ZSM-12 catalysts for methanol to hydrocarbons reactions: Applying different synthesis driving force and conditions. Advanced Powder Technology, 2022, 33, 103502.	4.1	1
3	Green synthesis of SAPO-34 molecular sieve using rice husk ash as a silica source: Evaluation of synthesis and catalytic performance parameters in methanol-to-olefin reaction. Microporous and Mesoporous Materials, 2022, 341, 112037.	4.4	4
4	Synthesis and performance of ZSM-5 and HZSM-5 in desulfurization of naphtha. International Journal of Environmental Science and Technology, 2020, 17, 3541-3548.	3.5	0
5	Performance analysis of ultrasound-assisted synthesized nano-hierarchical SAPO-34 catalyst in the methanol-to-lights-olefins process via artificial intelligence methods. Ultrasonics Sonochemistry, 2019, 58, 104646.	8.2	32
6	A Dynamic Kinetic Model for Methanol to Light Olefins Reactions over a Nanohierarchical SAPOâ€34 Catalyst: Catalyst Synthesis, Model Presentation, and Validation at the Bench Scale. International Journal of Chemical Kinetics, 2018, 50, 149-163.	1.6	7
7	Beneficial Use of Ultrasound in Rapid-Synthesis of SAPO34/ZSM-5 Nanocomposite and Its Catalytic Performances on MTO Reaction. Industrial & Engineering Chemistry Research, 2018, 57, 1871-1882.	3.7	19
8	SAPO-34/AlMCM-41, as a novel hierarchical nanocomposite: preparation, characterization and investigation of synthesis factors using response surface methodology. Journal of Solid State Chemistry, 2018, 262, 273-281.	2.9	5
9	Application of Evolutionary Algorithms for Modelling and Optimisation of Ultrasound-Related Parameters on Synthesised SAPO-34 Catalysts: Crystallinity and Particle Size. Progress in Reaction Kinetics and Mechanism, 2018, 43, 236-243.	2.1	8
10	Physicochemical characterization to assess Ni and Zn incorporation into zeotype SAPO-34 nanoparticles synthesized with different mixing methods through ultrasound-promoted crystallization. RSC Advances, 2017, 7, 26756-26769.	3.6	24
11	Ultrasonic-assisted hydrothermal synthesis and catalytic behavior of a novel SAPO-34/Clinoptilolite nanocomposite catalyst for high propylene demand in MTO process. Journal of Physics and Chemistry of Solids, 2017, 107, 83-92.	4.0	15
12	Sonochemical synthesis of SAPO-34 catalyst with hierarchical structure using CNTs as mesopore template. Research on Chemical Intermediates, 2017, 43, 3265-3282.	2.7	20
13	Performance improvement of nano-sized SAPO-34 molecular sieves synthesised by different combinations of multi templates in MTO reaction. Progress in Reaction Kinetics and Mechanism, 2016, 41, 268-276.	2.1	1
14	Different techniques and their effective parameters in nano SAPO-34 synthesis: A review. Powder Technology, 2016, 301, 268-287.	4.2	42
15	Incorporation of mixed metals into SAPO-34 frameworks by the dry-gel conversion method using mixed templates: investigating catalysts characterisation and performance. Journal of Experimental Nanoscience, 2016, 11, 1032-1043.	2.4	4
16	Synthesis of hierarchal SAPO-34 nano catalyst with dry gel conversion method in the presence of carbon nanotubes as a hard template. Journal of Colloid and Interface Science, 2016, 464, 137-146.	9.4	40
17	An investigation of the crystallization kinetics of zeotype SAPO-34 crystals synthesized by hydrothermal and sonochemical methods. Ultrasonics Sonochemistry, 2016, 29, 354-362.	8.2	28
18	Low cost rapid route for hydrothermal synthesis of nano ZSM-5 with mixture of two, three and four structure directing agents. Journal of Porous Materials, 2016, 23, 145-155.	2.6	14

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19	Modeling and optimization of catalytic performance of SAPO-34 nanocatalysts synthesized sonochemically using a new hybrid of non-dominated sorting genetic algorithm-II based artificial neural networks (NSGA-II-ANNs). RSC Advances, 2015, 5, 52788-52800.	3.6	19
20	Hydrothermal synthesis of nanosized SAPO-34 molecular sieves by different combinations of multi templates. Powder Technology, 2014, 254, 324-330.	4.2	67
21	Effect of Synthesis Conditions on Selective Formation of SAPO-5 and SAPO-34. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2014, 44, 79-83.	0.6	19
22	Rapid synthesis of SAPO-34 nanocatalyst by dry gel conversion method templated with morphline: Investigating the effects of experimental parameters. Microporous and Mesoporous Materials, 2014, 197, 229-236.	4.4	55
23	Effects of the different synthetic parameters on the crystallinity and crystal size of nanosized ZSM-5 zeolite. Reviews in Chemical Engineering, 2014, 30, .	4.4	44
24	Effects of ultrasound on the synthesis of zeolites: a review. Journal of Porous Materials, 2013, 20, 285-302.	2.6	90
25	Statistical analysis of sonochemical synthesis of SAPO-34 nanocrystals using Taguchi experimental design. Materials Research Bulletin, 2013, 48, 1851-1856.	5.2	25
26	Effects of ultrasound-related variables on sonochemically synthesized SAPO-34 nanoparticles. Journal of Solid State Chemistry, 2013, 201, 85-92.	2.9	53
27	Microwave synthesis of SAPO molecular sieves. Reviews in Chemical Engineering, 2013, 29, .	4.4	14
28	Methanol conversion to light olefins over sonochemically prepared SAPO-34 nanocatalyst. Microporous and Mesoporous Materials, 2012, 163, 334-342.	4.4	93
29	Ultrasonic pretreatment for hydrothermal synthesis of SAPO-34 nanocrystals. Ultrasonics Sonochemistry, 2012, 19, 554-559.	8.2	119
30	Effect of contributing factors on microwave-assisted hydrothermal synthesis of nanosized SAPO-34 molecular sieves. Powder Technology, 2012, 221, 395-402.	4.2	65
31	Sonochemical synthesis of silver nanoparticles in Y-zeolite substrate. Journal of Materials Science, 2010, 45, 3318-3324.	3.7	64