

# Zeolites as catalysts in oil refining

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Metal-organic frameworks as solid catalysts for the synthesis of nitrogen-containing heterocycles. <i>Chemical Society Reviews</i> , 2014, 43, 5750-5765.	18.7	427
2	MTO Processes Development. <i>Advances in Chemical Engineering</i> , 2015, , 279-335.	0.5	42
3	Formation of Frustrated Lewis Pairs in Pt-loaded Zeolite...NaY. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13080-13084.	7.2	32
4	One-pot Synthesis of Zeolitic Strong Solid Bases: A Family of Alkaline-Earth Metal-Containing Silicalite-1. <i>Chemistry - A European Journal</i> , 2015, 21, 15412-15420.	1.7	23
5	A potential with low point charges for pure siliceous zeolites. <i>Journal of Computational Chemistry</i> , 2015, 36, 1562-1567.	1.5	10
9	One-pot synthesis of hierarchically structured ZSM-5 zeolites using single micropore-template. <i>Chinese Journal of Catalysis</i> , 2015, 36, 866-873.	6.9	20
10	Modeling of Reactor of Straight-run Gasoline Fractions Refining on Zeolite Catalysts. <i>Procedia Chemistry</i> , 2015, 15, 237-244.	0.7	2
11	Ultrastrong Alkali-Resisting Lanthanide-Zeolites Assembled by [Ln <sub>60</sub> ] Nanocages. <i>Journal of the American Chemical Society</i> , 2015, 137, 15988-15991.	6.6	248
12	Nature and Catalytic Role of Extraframework Aluminum in Faujasite Zeolite: A Theoretical Perspective. <i>ACS Catalysis</i> , 2015, 5, 7024-7033.	5.5	92
13	Recent advances of pore system construction in zeolite-catalyzed chemical industry processes. <i>Chemical Society Reviews</i> , 2015, 44, 8877-8903.	18.7	279
14	Zeolites and Zeotypes for Oil and Gas Conversion. <i>Advances in Catalysis</i> , 2015, 58, 143-314.	0.1	65
15	Mesoporous ZSM5 having both intrinsic acidic and basic sites for cracking and methanation. <i>Chemical Engineering Journal</i> , 2015, 270, 196-204.	6.6	47
16	Characterization of fast-pyrolysis bio-oil distillation residues and their potential applications. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 114, 179-186.	2.6	56
17	Design of Base Zeolite Catalysts by Alkali-Metal Grafting in Alcoholic Media. <i>ACS Catalysis</i> , 2015, 5, 5388-5396.	5.5	40
18	Nickel-promoted mesoporous ZSM5 for carbon monoxide methanation. <i>RSC Advances</i> , 2015, 5, 64651-64660.	1.7	34
19	Nanocrystalline ZSM-5 based bi-functional catalyst for two step and three step tandem reactions. <i>RSC Advances</i> , 2015, 5, 25998-26006.	1.7	18
20	Catalytic hydrogenation of phenol, cresol and guaiacol over physically mixed catalysts of Pd/C and zeolite solid acids. <i>RSC Advances</i> , 2015, 5, 33990-33998.	1.7	72
21	Exploiting chemically selective weakness in solids as a route to new porous materials. <i>Nature Chemistry</i> , 2015, 7, 381-388.	6.6	153

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23	Design of Lewis-acid centres in zeolitic matrices for the conversion of renewables. Chemical Society Reviews, 2015, 44, 7025-7043.	18.7	175
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33	Superelectrophilic activation of 5-hydroxymethylfurfural and 2,5-diformylfuran: organic synthesis based on biomass-derived products. Beilstein Journal of Organic Chemistry, 2016, 12, 2125-2135.	1.3	22
34	Hollow Titanium Silicalite Zeolite: From Fundamental Research to Commercial Application in Environmental-Friendly Catalytic Oxidation Processes. , 2016, , .		1
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36	Metal Organic Frameworks as Catalysts for Organic Reactions. , 2016, , 13-40.		1
37	On the Mesoporogen-Free Synthesis of Single-Crystalline Hierarchically Structured ZSM-5 Zeolites in a Quasi-Solid-State System. Chemistry - A European Journal, 2016, 22, 7895-7905.	1.7	30
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42	Synthesis of uniform mesoporous ZSM-5 using hydrophilic carbon as a hard template. <i>Materials Chemistry and Physics</i> , 2016, 177, 112-117.	2.0	30
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44	ZSM-5-based mesostructures by combined alkali dissolution and re-assembly: Process controlling and scale-up. <i>Chemical Engineering Journal</i> , 2016, 302, 323-333.	6.6	30
45	Advances in the conversion of glucose and cellulose to 5-hydroxymethylfurfural over heterogeneous catalysts. <i>RSC Advances</i> , 2016, 6, 98874-98892.	1.7	106
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58	Selective hydrocracking of tetralin for light aromatic hydrocarbons. <i>Catalysis Today</i> , 2016, 265, 144-153.	2.2	44
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75	Co-aromatization of olefin and methane over Ag-Ga/ZSM-5 catalyst at low temperature. <i>Applied Catalysis B: Environmental</i> , 2017, 211, 275-288.	10.8	61
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113	Investigation of cooperative effects between Pt/zeolite hydroisomerization catalysts through kinetic simulations. <i>Catalysis Today</i> , 2018, 312, 66-72.	2.2	5

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116	Nanostructured Zeolites: The Introduction of Intracrystalline Mesoporosity in Basic Faujasite-type Catalysts. <i>ACS Applied Nano Materials</i> , 2018, 1, 310-318.	2.4	39
117	Lewis Acid Catalysis by Zeolites * *These authors contributed equally.. , 2018, , 229-263.		3
118	Hydrocracking catalysts based on hierarchical zeolites: A recent progress. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 61, 265-280.	2.9	38
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145	Fe/ZSM-5 catalysts for ammonia decomposition to CO <sub>x</sub> -free hydrogen: Effect of SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> ratio. <i>Molecular Catalysis</i> , 2018, 455, 14-22.	1.0	51
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