

Oki Muraza

List of Publications by Year in descending order

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158
papers

5,477
citations

101496

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159
docs citations

159
times ranked

5686
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on insulation materials for energy conservation in buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 1352-1365.	8.2	485
2	A review on coke management during dry reforming of methane. <i>International Journal of Energy Research</i> , 2015, 39, 1196-1216.	2.2	279
3	In situ fast pyrolysis of biomass with zeolite catalysts for bioaromatics/gasoline production: A review. <i>Energy Conversion and Management</i> , 2015, 105, 338-354.	4.4	207
4	Aquathermolysis of heavy oil: A review and perspective on catalyst development. <i>Fuel</i> , 2015, 157, 219-231.	3.4	181
5	Revisiting the oxidative coupling of methane to ethylene in the golden period of shale gas: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 37, 1-13.	2.9	174
6	Biodiesel production from algae by using heterogeneous catalysts: A critical review. <i>Energy</i> , 2014, 78, 72-83.	4.5	160
7	From synthesis gas production to methanol synthesis and potential upgrade to gasoline range hydrocarbons: A review. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 25, 303-316.	2.1	112
8	Catalytic thermal conversion of CO ₂ into fuels: Perspective and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109333.	8.2	111
9	Hydrothermal liquefaction of algae and bio-oil upgrading into liquid fuels: Role of heterogeneous catalysts. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1037-1048.	8.2	108
10	Catalytic upgrading of vegetable oils into jet fuels range hydrocarbons using heterogeneous catalysts: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 29, 12-23.	2.9	104
11	Recent Developments on Silicoaluminates and Silicoaluminophosphates in the Methanol-to-Propylene Reaction: A Mini Review. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 4891-4905.	1.8	74
12	H ₂ S adsorption by Ag and Cu ion exchanged faujasites. <i>Microporous and Mesoporous Materials</i> , 2011, 146, 127-133.	2.2	71
13	Catalytic Upgrading of Bioethanol to Fuel Grade Biobutanol: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7181-7194.	1.8	69
14	Zeolite catalysts in upgrading of bioethanol to fuels range hydrocarbons: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 31, 1-14.	2.9	67
15	Maximizing Diesel Production through Oligomerization: A Landmark Opportunity for Zeolite Research. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 781-789.	1.8	64
16	A review on glycerol valorization to acrolein over solid acid catalysts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 29-44.	2.7	59
17	Recent Progress in Low-Cost Catalysts for Pyrolysis of Plastic Waste to Fuels. <i>Catalysts</i> , 2021, 11, 837.	1.6	57
18	Selective catalytic cracking of n-hexane to propylene over hierarchical MTT zeolite. <i>Fuel</i> , 2014, 135, 105-111.	3.4	55

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19	Iron Oxide over Silica-Doped Alumina Catalyst for Catalytic Steam Reforming of Toluene as a Surrogate Tar Biomass Species. <i>Energy & Fuels</i> , 2017, 31, 7471-7481.	2.5	54
20	Microwave assisted growth of SAPO-34 on SiC foams for methanol dehydration to dimethyl ether. <i>Chemical Engineering Journal</i> , 2015, 274, 113-122.	6.6	52
21	Feed compositions and gasification potential of several biomasses including a microalgae: A thermodynamic modeling approach. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17009-17019.	3.8	52
22	Glycerol to Solketal for Fuel Additive: Recent Progress in Heterogeneous Catalysts. <i>Energies</i> , 2019, 12, 2872.	1.6	50
23	Magnetic iron oxide/clay nanocomposites for adsorption and catalytic oxidation in water treatment applications. <i>Open Chemistry</i> , 2020, 18, 1148-1166.	1.0	47
24	Dimethyl ether to olefins over dealuminated mordenite (MOR) zeolites derived from natural minerals. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 28, 566-571.	2.1	46
25	Physicochemical characteristics and photocatalytic performance of $\text{TiO}_2/\text{SiO}_2$ catalyst synthesized using biogenic silica from bamboo leaves. <i>Heliyon</i> , 2019, 5, e02766.	1.4	46
26	Ring opening of hydrocarbons for diesel and aromatics production: Design of heterogeneous catalytic systems. <i>Fuel</i> , 2016, 181, 618-629.	3.4	44
27	Selective Production of Propylene from Methanol Conversion over Nanosized ZSM-22 Zeolites. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 19498-19505.	1.8	42
28	Hydrous pyrolysis of heavy oil using solid acid minerals for viscosity reduction. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 114, 1-10.	2.6	42
29	Waste materials for production of biodiesel catalysts: Technological status and prospects. <i>Journal of Cleaner Production</i> , 2020, 263, 121358.	4.6	42
30	Controlled and rapid growth of MTT zeolite crystals with low-aspect-ratio in a microwave reactor. <i>Chemical Engineering Journal</i> , 2013, 226, 367-376.	6.6	40
31	Dimethyl ether-to-olefins over aluminum rich ZSM-5: The role of Ca and La as modifiers. <i>Fuel</i> , 2018, 211, 18-26.	3.4	40
32	One-pot biosynthesis of SnO_2 quantum dots mediated by <i>Clitoria ternatea</i> flower extract for photocatalytic degradation of rhodamine B. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103879.	3.3	40
33	Conversion of methanol to olefins over Al-rich ZSM-5 modified with alkaline earth metal oxides. <i>Catalysis Science and Technology</i> , 2016, 6, 7852-7859.	2.1	39
34	Recent progress on mixing technology for water-emulsion fuel: A review. <i>Energy Conversion and Management</i> , 2020, 213, 112817.	4.4	39
35	Role of zeolite catalysts for benzene removal from gasoline via alkylation: A review. <i>Microporous and Mesoporous Materials</i> , 2015, 213, 169-180.	2.2	38
36	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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37	Microwave-assisted hydrothermal synthesis of submicron ZSM-22 zeolites and their applications in light olefin production. <i>Microporous and Mesoporous Materials</i> , 2015, 206, 136-143.	2.2	37
38	Development of hierarchical EU-1 zeolite by sequential alkaline and acid treatments for selective dimethyl ether to propylene (DTP). <i>Applied Catalysis A: General</i> , 2015, 497, 127-134.	2.2	37
39	Enhancement of hydrogen production in a modified moving bed downdraft gasifier – thermodynamic study by including tar. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 10971-10985.	3.8	37
40	Upgrading oil sand bitumen under superheated steam over ceria-based nanocomposite catalysts. <i>Applied Energy</i> , 2018, 218, 1-9.	5.1	36
41	Cracking of n-hexane over hierarchical MOR zeolites derived from natural minerals. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 61, 20-25.	2.7	35
42	Advances in Catalyst Design for the Conversion of Methane to Aromatics: A Critical Review. <i>Catalysis Surveys From Asia</i> , 2019, 23, 149-170.	1.0	35
43	Opportunities for less-explored zeolitic materials in the syngas-to-olefins pathway over nanoarchitected catalysts: a mini review. <i>Catalysis Science and Technology</i> , 2020, 10, 1582-1596.	2.1	35
44	Waste to liquid fuels: potency, progress and challenges. <i>International Journal of Energy Research</i> , 2015, 39, 1451-1478.	2.2	34
45	Viscosity Reduction of Heavy Oil Using Nanocatalyst in Aquathermolysis Reaction. <i>KONA Powder and Particle Journal</i> , 2016, 33, 3-16.	0.9	34
46	Improved combustion performances and lowered emissions of CNG-diesel dual fuel engine under low load by optimizing CNG injection parameters. <i>Fuel</i> , 2020, 269, 117202.	3.4	34
47	Crystal growth study of K-F nanozeolite and its catalytic behavior in Aldol condensation of benzaldehyde and heptanal enhanced by microwave heating. <i>Materials Chemistry and Physics</i> , 2017, 196, 295-301.	2.0	33
48	Gasification of wet microalgae to produce H ₂ -rich syngas and electricity: A thermodynamic study considering exergy analysis. <i>Renewable Energy</i> , 2020, 147, 2195-2205.	4.3	33
49	Mesoporous silica films as catalyst support for microstructured reactors: Preparation and characterization. <i>Chemical Engineering Journal</i> , 2008, 135, S99-S103.	6.6	32
50	TiO ₂ -pillared saponite and photosensitization using a ruthenium complex for photocatalytic enhancement of the photodegradation of bromophenol blue. <i>Applied Clay Science</i> , 2019, 183, 105302.	2.6	32
51	Development of desilicated EU-1 zeolite and its application in conversion of dimethyl ether to olefins. <i>Microporous and Mesoporous Materials</i> , 2015, 207, 9-16.	2.2	31
52	Steam catalytic cracking of heavy naphtha (C12) to high octane naphtha over B-MFI zeolite. <i>Applied Catalysis B: Environmental</i> , 2017, 210, 432-443.	10.8	31
53	Steam Catalytic Cracking of n-Dodecane over Ni and Ni/Co Bimetallic Catalyst Supported on Hierarchical BEA Zeolite. <i>Energy & Fuels</i> , 2017, 31, 5482-5490.	2.5	31
54	Mechanochemical Route and Recrystallization Strategy To Fabricate Mordenite Nanoparticles from Natural Zeolites. <i>Crystal Growth and Design</i> , 2017, 17, 3313-3320.	1.4	31

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55	Effect of multi-step desilication and dealumination treatments on the performance of hierarchical EU-1 zeolite for converting methanol to olefins. <i>Microporous and Mesoporous Materials</i> , 2017, 241, 79-88.	2.2	31
56	Vegetable Oil to Biolubricants: Review on Advanced Porous Catalysts. <i>Energy & Fuels</i> , 2018, 32, 10295-10310.	2.5	31
57	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.	3.8	31
58	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.	2.2	31
59	Microwave-assisted hydrothermal synthesis of mordenite zeolite: Optimization of synthesis parameters. <i>Microporous and Mesoporous Materials</i> , 2016, 232, 211-217.	2.2	30
60	Sustainable Production of Glycerol Carbonate from By-product in Biodiesel Plant. <i>Waste and Biomass Valorization</i> , 2017, 8, 141-152.	1.8	30
61	Syngas production from municipal solid waste with a reduced tar yield by three-stages of air inlet to a downdraft gasifier. <i>Fuel</i> , 2020, 263, 116509.	3.4	30
62	Hydroisomerization of sustainable feedstock in biomass-to-fuel conversion: a critical review. <i>International Journal of Energy Research</i> , 2015, 39, 741-759.	2.2	29
63	Conversion of Isobutylene to Octane-Booster Compounds after Methyl <i>tert</i> -Butyl Ether Phaseout: The Role of Heterogeneous Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 11193-11210.	1.8	29
64	Robust surface-modified Beta zeolite for selective production of lighter fuels by steam-assisted catalytic cracking from heavy oil. <i>Fuel</i> , 2016, 168, 61-67.	3.4	29
65	Stability improvement of zeolite catalysts under hydrothermal conditions for their potential applications in biomass valorization and crude oil upgrading. <i>Microporous and Mesoporous Materials</i> , 2017, 249, 42-54.	2.2	29
66	Zirconia-Based Nanocatalysts in Heavy Oil Upgrading: A Mini Review. <i>Energy & Fuels</i> , 2018, 32, 2840-2854.	2.5	29
67	Recent progress on low rank coal conversion to dimethyl ether as clean fuel: A critical review. <i>Journal of Cleaner Production</i> , 2020, 277, 124024.	4.6	29
68	Hydrothermal synthesis of zeolite a from bamboo leaf biomass and its catalytic activity in cyanoethylation of methanol under autogenic pressure and air conditions. <i>Materials Chemistry and Physics</i> , 2017, 201, 78-85.	2.0	28
69	Isomerization of <i>n</i> -Butane over Cost-Effective Mordenite Catalysts Fabricated via Recrystallization of Natural Zeolites. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 1894-1902.	1.8	28
70	Synthesis of ZSM-12 (MTW) with different Al-source: Towards understanding the effects of crystallization parameters. <i>Microporous and Mesoporous Materials</i> , 2014, 194, 31-37.	2.2	27
71	Stability Assessment of Regenerated Hierarchical ZSM-48 Zeolite Designed by Post-Synthesis Treatment for Catalytic Cracking of Light Naphtha. <i>Energy & Fuels</i> , 2017, 31, 14097-14103.	2.5	27
72	Fluidizable NiO-Fe ₂ O ₃ /SiO ₂ -Al ₂ O ₃ for tar (toluene) conversion in biomass gasification. <i>Chemical Engineering Research and Design</i> , 2018, 116, 754-762.	2.7	27

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73	Catalyst development for tar reduction in biomass gasification: Recent progress and the way forward. <i>Journal of Environmental Management</i> , 2022, 305, 114274.	3.8	27
74	Catalytic Enhancement of SAPO-34 for Methanol Conversion to Light Olefins Using in Situ Metal Incorporation. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6639-6646.	1.8	26
75	Peculiarities of Glycerol Conversion to Chemicals Over Zeolite-Based Catalysts. <i>Frontiers in Chemistry</i> , 2019, 7, 233.	1.8	26
76	An exciting opportunity for zeolite adsorbent design in separation of C4 olefins through adsorptive separation. <i>Separation and Purification Technology</i> , 2019, 221, 126-151.	3.9	26
77	Glycerol Carbonate Production from Biodiesel Waste Over Modified Natural Clinoptilolite. <i>Waste and Biomass Valorization</i> , 2016, 7, 1349-1356.	1.8	25
78	Conversion of Dimethyl Ether to Olefins over Nanosized Mordenite Fabricated by a Combined High-Energy Ball Milling with Recrystallization. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4258-4266.	1.8	25
79	Zeolite catalyst design for the conversion of glucose to furans and other renewable fuels. <i>Fuel</i> , 2019, 258, 115851.	3.4	25
80	Microwave-assisted hydrothermal synthesis of zeolite Beta coatings on ALD-modified borosilicate glass for application in microstructured reactors. <i>Chemical Engineering Journal</i> , 2008, 135, S117-S120.	6.6	24
81	Steam-assisted catalytic cracking of n-hexane over La-Modified MTT zeolite for selective propylene production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 116, 272-280.	2.6	24
82	Fluidizable Fe-Co/Ce-ZrO ₂ Catalysts for Steam Reforming of Toluene as a Tar Surrogate in Biomass Gasification. <i>Energy & Fuels</i> , 2018, 32, 12833-12842.	2.5	24
83	Hydrothermal Stability of One-Dimensional Pore ZSM-22 Zeolite in Hot Water. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22918-22926.	1.5	23
84	Selectivity control in hydrogenation reactions by nanoconfinement of polymetallic nanoparticles in mesoporous thin films. <i>Applied Catalysis A: General</i> , 2009, 368, 87-96.	2.2	22
85	Hydrothermally stable acid-modified ZSM-22 zeolite for selective propylene production via steam-assisted catalytic cracking of n-hexane. <i>Microporous and Mesoporous Materials</i> , 2018, 260, 30-39.	2.2	22
86	Facile control of nanosized ZSM-22 crystals using dynamic crystallization technique. <i>Microporous and Mesoporous Materials</i> , 2016, 227, 16-22.	2.2	21
87	Novel Ce-incorporated zeolite modified-carbon paste electrode for simultaneous trace electroanalysis of lead and cadmium. <i>Microporous and Mesoporous Materials</i> , 2017, 243, 1-8.	2.2	21
88	Choreographing boron-aluminum acidity and hierarchical porosity in *BEA zeolite by in-situ hydrothermal synthesis for a highly selective methanol to propylene catalyst. <i>Microporous and Mesoporous Materials</i> , 2019, 273, 249-255.	2.2	21
89	Development of mesoporous ZSM-12 zeolite and its application in alkylation of 2-methylnaphthalene. <i>Research on Chemical Intermediates</i> , 2016, 42, 6437-6448.	1.3	20
90	Selective Isomerization of n-Butane over Mordenite Nanoparticles Fabricated by a Sequential Ball Milling-Recrystallization-Dealumination Route. <i>Energy & Fuels</i> , 2017, 31, 12691-12700.	2.5	20

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91	Lanthanum, cerium, and boron incorporated ZSM-12 zeolites for catalytic cracking of n -hexane. Journal of Analytical and Applied Pyrolysis, 2018, 129, 231-240.	2.6	20
92	Experimental Investigation of Aluminosilicate Nanoparticles for Enhanced Recovery of Waxy Crude Oil. Energy & Fuels, 2019, 33, 6076-6082.	2.5	20
93	The role of acidity, side pocket, and steam on maximizing propylene yield from light naphtha cracking over one-dimensional zeolites: Case studies of EU-1 and disordered ZSM-48. Fuel, 2019, 258, 116034.	3.4	19
94	Microwave-Assisted Hydrothermal Synthesis of CHA Zeolite for Methanol-to-Olefins Reaction. Industrial & Engineering Chemistry Research, 2019, 58, 60-68.	1.8	19
95	Controlling naphtha cracking using nanosized TON zeolite synthesized in the presence of polyoxyethylene surfactant. Journal of Analytical and Applied Pyrolysis, 2014, 110, 338-345.	2.6	18
96	Effect of synthesis parameters and ion exchange on crystallinity and morphology of EU-1 zeolite. Journal of Alloys and Compounds, 2014, 617, 408-412.	2.8	18
97	Hydrothermal stability of MTT zeolite in hot water: The role of La and Ce. Microporous and Mesoporous Materials, 2016, 233, 93-101.	2.2	18
98	Poly aromatic hydrocarbon (naphthalene) conversion into value added chemical (tetralin): Activity and stability of MoP/AC catalyst. Journal of Environmental Chemical Engineering, 2018, 6, 4525-4530.	3.3	18
99	Propene Adsorption-Chemisorption Behaviors on H-SAPO-34 Zeolite Catalysts at Different Temperatures. Catalysts, 2019, 9, 919.	1.6	18
100	Sonocatalytic degradation of rhodamine B using tin oxide/ montmorillonite. Journal of Water Process Engineering, 2020, 37, 101418.	2.6	18
101	LaMnO ₃ Perovskite Activation of Peroxymonosulfate for Catalytic Palm Oil Mill Secondary Effluent Degradation. Journal of Applied Materials and Technology, 2020, 2, 27-35.	1.4	17
102	Isomerization and Alkylation of Biomass-Derived Compounds in Aqueous Media over Hydrophobic Solid Acid Catalysts: A Mini Review. Industrial & Engineering Chemistry Research, 2014, 53, 17869-17877.	1.8	16
103	The role of alcohols and diols as co-solvents in fabrication of TON zeolite. Journal of Industrial and Engineering Chemistry, 2015, 29, 112-119.	2.9	16
104	Iron- and Cobalt-Doped Ceria/Zirconia Nanocomposites for Catalytic Cracking of Naphtha with Regenerative Capability. Energy & Fuels, 2017, 31, 12612-12623.	2.5	16
105	Steam cracking of green diesel (C ₁₂) to BTX and olefins over silane-treated hierarchical BEA. Fuel, 2020, 263, 116624.	3.4	16
106	Spent Bleaching Earth Supported CeFeO ₃ Perovskite for Visible Light Photocatalytic Oxidation of Methylene Blue. Journal of Applied Materials and Technology, 2020, 1, 81-87.	1.4	16
107	Improved Municipal Solid Waste Gasification Efficiency Using a Modified Downdraft Gasifier with Variations of Air Input and Preheated Air Temperature. Energy & Fuels, 2019, 33, 11049-11056.	2.5	15
108	Lanthanum-impregnated zeolite modified carbon paste electrode for determination of Cadmium (II). Microporous and Mesoporous Materials, 2016, 225, 164-173.	2.2	14

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109	Electrochemical detection of thiocyanate using phosphate-modified zeolite carbon paste electrodes. Journal of the Taiwan Institute of Chemical Engineers, 2017, 72, 236-243.	2.7	14
110	Producing Biodiesel from Waste Cooking Oil with Catalytic Membrane Reactor: Process Design and Sensitivity Analysis. Arabian Journal for Science and Engineering, 2018, 43, 6261-6269.	1.7	13
111	Stable Production of Gasoline-Ranged Hydrocarbons from Dimethyl Ether over Iron-Modified ZSM-22 Zeolite. Energy & Fuels, 2018, 32, 11796-11801.	2.5	12
112	Effects of metal support interaction on dry reforming of methane over Ni/CeAl ₂ O ₃ catalysts. Canadian Journal of Chemical Engineering, 2020, 98, 2425-2434.	0.9	12
113	Biogasoline Production from Palm Oil: Optimization of Catalytic Cracking Parameters. Arabian Journal for Science and Engineering, 2020, 45, 7257-7266.	1.7	12
114	Towards low-temperature catalysts for sustainable fuel from plastic: A review. Journal of Environmental Chemical Engineering, 2021, 9, 106655.	3.3	12
115	Carbon nanostructures grown on 3D silicon carbide foams: Role of intermediate silica layer and metal growth. Chemical Engineering Journal, 2014, 258, 110-118.	6.6	11
116	Fabrication of desilicated MTW zeolite and its application in catalytic cracking of n-heptane. Advanced Powder Technology, 2016, 27, 372-378.	2.0	11
117	Microwave-assisted solvothermal synthesis of ZSM-22 zeolite with controllable crystal lengths. Particuology, 2016, 24, 138-141.	2.0	11
118	Catalytic Cracking of n-Dodecane to Chemicals: Effect of Variable-Morphological ZSM-5 Zeolites Synthesized Using Various Silica Sources. ACS Omega, 2022, 7, 10317-10329.	1.6	11
119	The effect of non-ionic surfactant in the microwave-assisted synthesis of MTT zeolite optimized by Taguchi method. Journal of the Taiwan Institute of Chemical Engineers, 2015, 50, 314-321.	2.7	10
120	Role of crystal growth modifiers in the synthesis of ZSM-12 zeolite. Advanced Powder Technology, 2015, 26, 188-192.	2.0	10
121	Synthesis of silicalite-1 using fluoride media under microwave irradiation. Microporous and Mesoporous Materials, 2016, 233, 140-147.	2.2	10
122	Highlighting the Greener Shift in Transportation Energy and Fuels Based on Novel Catalytic Materials. Energy & Fuels, 2021, 35, 25-44.	2.5	10
123	Nano BEA zeolite catalysts for the selective catalytic cracking of n-dodecane to light olefins. RSC Advances, 2021, 11, 7904-7912.	1.7	10
124	Conversion of cellulose to glucose and further transformation into fuels over solid acid catalysts: A mini review. Microporous and Mesoporous Materials, 2022, 336, 111846.	2.2	10
125	Enhancement of the stability of microporous silica films in non-aqueous solvents at elevated temperature. Microporous and Mesoporous Materials, 2009, 124, 20-29.	2.2	9
126	Steam Catalytic Cracking of n-Hexane over Modified MTW Zeolites Impregnated by Extra-Framework Elements. Energy & Fuels, 2016, 30, 9679-9685.	2.5	9

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127	Palladium nanoparticles supported on ceria thin film for capillary microreactor application. <i>Chemical Engineering Research and Design</i> , 2018, 132, 479-491.	2.7	9
128	Modified Lanthanum-Zeolite for Sensitive Electrochemical Detection of Heavy Metal Ions. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 217-226.	1.7	9
129	Fabrication zone of OSDA-free and seed-free mordenite crystals. <i>Powder Technology</i> , 2019, 342, 992-997.	2.1	9
130	Preparation and characterization of bimetallic catalysts supported on mesoporous silica films. <i>Studies in Surface Science and Catalysis</i> , 2006, , 167-174.	1.5	8
131	Investigation of crucial synthesis parameters of rich Al-MTT framework zeolite: Toward more determination for synthesis zone of SSZ-32. <i>Microporous and Mesoporous Materials</i> , 2016, 227, 48-56.	2.2	8
132	Orchestrating fluoride effect, secondary growth and microwave irradiation in the synthesis of EU-1/ZSM-48 intergrowth crystals for the conversion of dimethyl ether to olefins. <i>Microporous and Mesoporous Materials</i> , 2018, 267, 115-123.	2.2	8
133	Selective catalytic cracking of n-hexane to olefins over SSZ-54 fabricated by facile and novel dual templating method. <i>Fuel</i> , 2018, 227, 48-58.	3.4	8
134	Microwave assisted synthesis of MTT-TON intergrowth crystals for the catalytic conversion of naphtha to olefins. <i>Microporous and Mesoporous Materials</i> , 2018, 260, 253-259.	2.2	8
135	CO ₂ -assisted propane dehydrogenation over of zirconia-titania catalysts: Effect of the carbon dioxide to propane ratios on olefin yields. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104989.	3.3	8
136	A Review on the Conversion of Synthetic Gas to LPG over Hybrid Nanostructure Zeolites Catalysts. <i>ChemistrySelect</i> , 2022, 7, .	0.7	8
137	Hydrothermal Stabilization of Rich Al-BEA Zeolite by Post-Synthesis Addition of Zr for Steam Catalytic Cracking of n-Dodecane. <i>Energy & Fuels</i> , 2018, 32, 5501-5508.	2.5	7
138	Stable Boron-Modified ZSM-22 Zeolite Catalyst for Selective Production of Propylene from Methanol. <i>Energy & Fuels</i> , 2019, 33, 12679-12684.	2.5	7
139	Development of New Kinetic Models for Methanol to Hydrocarbons over a Ca-ZSM-5 Catalyst. <i>Energy & Fuels</i> , 2020, 34, 6245-6260.	2.5	7
140	Conversion of Methanol to Olefins over Modified OSDA-Free CHA Zeolite Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 12189-12199.	1.8	7
141	Transformation of low-rank coal to clean syngas and power via thermochemical route. <i>Energy</i> , 2021, 236, 121505.	4.5	7
142	Waste materials from palm oil plant as exploratory catalysts for FAME biodiesel production. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 3703-3719.	1.6	7
143	Development of surface modified mordenite catalysts and their stability in hot liquid water. <i>Advanced Powder Technology</i> , 2016, 27, 1404-1410.	2.0	6
144	Production of Sustainable Diesel via Decarboxylation of Palm Stearin Basic Soaps. <i>Energy & Fuels</i> , 2019, 33, 11648-11654.	2.5	6

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145	Towards sustainable catalysts in hydrodeoxygenation of algae-derived oils: A critical review. <i>Molecular Catalysis</i> , 2022, 523, 112131.	1.0	6
146	In-situ aging microwave heating synthesis of LTA zeolite layer on mesoporous TiO ₂ coated porous alumina support. <i>Journal of Crystal Growth</i> , 2015, 432, 123-128.	0.7	5
147	Synthesis of zeolite–magadiite composites: Effects of co-solvent and aluminum source. <i>Particuology</i> , 2016, 27, 34-39.	2.0	5
148	Production of Lighter Hydrocarbons by Steam-Assisted Catalytic Cracking of Heavy Oil over Silane-Treated Beta Zeolite. <i>Energy & Fuels</i> , 0, , .	2.5	5
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