

Oki Muraza

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6390561/publications.pdf>

Version: 2024-02-01

158
papers

5,477
citations

101496

36
h-index

114418

63
g-index

159
all docs

159
docs citations

159
times ranked

5686
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Sustainable Diesel from Pyrolysis of Unsaturated Fatty Acid Basic Soaps: The Effect of Temperature on Yield and Product Composition. <i>Molecules</i> , 2022, 27, 667.	1.7	3
3	Towards sustainable catalysts in hydrodeoxygenation of algae-derived oils: A critical review. <i>Molecular Catalysis</i> , 2022, 523, 112131.	1.0	6
4	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
5	Geopolymer catalysts derived from palm oil mill ash for biodiesel production from <i>Calophyllum inophyllum</i> oil. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 3735-3745.	1.6	2
6	Catalytic Cracking of <i>n</i> -Dodecane to Chemicals: Effect of Variable-Morphological ZSM-5 Zeolites Synthesized Using Various Silica Sources. <i>ACS Omega</i> , 2022, 7, 10317-10329.	1.6	11
7	A Review on the Conversion of Synthetic Gas to LPG over Hybrid Nanostructure Zeolites Catalysts. <i>ChemistrySelect</i> , 2022, 7, .	0.7	8
8	Conversion of cellulose to glucose and further transformation into fuels over solid acid catalysts: A mini review. <i>Microporous and Mesoporous Materials</i> , 2022, 336, 111846.	2.2	10
9	Acidity modifications of nanozeolite-Y for enhanced selectivity to olefins from the steam catalytic cracking of dodecane. <i>RSC Advances</i> , 2022, 12, 18274-18281.	1.7	5
10	Highlighting the Greener Shift in Transportation Energy and Fuels Based on Novel Catalytic Materials. <i>Energy & Fuels</i> , 2021, 35, 25-44.	2.5	10
11	Nano BEA zeolite catalysts for the selective catalytic cracking of <i>n</i> -dodecane to light olefins. <i>RSC Advances</i> , 2021, 11, 7904-7912.	1.7	10
12	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
13	Recent Progress in Low-Cost Catalysts for Pyrolysis of Plastic Waste to Fuels. <i>Catalysts</i> , 2021, 11, 837.	1.6	57
14	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
15	Green in-situ incorporation of metals in chabazite (CHA) zeolite. <i>Microporous and Mesoporous Materials</i> , 2021, 326, 111375.	2.2	5
16	Transformation of low-rank coal to clean syngas and power via thermochemical route. <i>Energy</i> , 2021, 236, 121505.	4.5	7
17	Towards low-temperature catalysts for sustainable fuel from plastic: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106655.	3.3	12
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Steam cracking of green diesel (C12) to BTX and olefins over silane-treated hierarchical BEA. <i>Fuel</i> , 2020, 263, 116624.	3.4	16
21	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
22	Effects of metal support interaction on dry reforming of methane over Ni/Al ₂ O ₃ catalysts. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 2425-2434.	0.9	12
23	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
24	One-pot biosynthesis of SnO ₂ quantum dots mediated by Clitoria ternatea flower extract for photocatalytic degradation of rhodamine B. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103879.	3.3	40
25	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
26	Sonocatalytic degradation of rhodamine B using tin oxide/ montmorillonite. <i>Journal of Water Process Engineering</i> , 2020, 37, 101418.	2.6	18
27	Biogasoline Production from Palm Oil: Optimization of Catalytic Cracking Parameters. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 7257-7266.	1.7	12
28	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
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	Recent progress on mixing technology for water-emulsion fuel: A review. <i>Energy Conversion and Management</i> , 2020, 213, 112817.	4.4	39
31	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
32	Spent Bleaching Earth Supported CeFeO ₃ Perovskite for Visible Light Photocatalytic Oxidation of Methylene Blue. <i>Journal of Applied Materials and Technology</i> , 2020, 1, 81-87.	1.4	16
33	LaMnO ₃ Perovskite Activation of Peroxymonosulfate for Catalytic Palm Oil Mill Secondary Effluent Degradation. <i>Journal of Applied Materials and Technology</i> , 2020, 2, 27-35.	1.4	17
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Process design and techno-economic analysis of ethyl levulinate production from carbon dioxide and 1,4-butanediol as an alternative biofuel and fuel additive. <i>International Journal of Energy Research</i> , 2019, 43, 5932-5945.	2.2	5
38	Glycerol to Solketal for Fuel Additive: Recent Progress in Heterogeneous Catalysts. <i>Energies</i> , 2019, 12, 2872.	1.6	50
39	Experimental Investigation of Aluminosilicate Nanoparticles for Enhanced Recovery of Waxy Crude Oil. <i>Energy & Fuels</i> , 2019, 33, 6076-6082.	2.5	20
40	Production of Sustainable Diesel via Decarboxylation of Palm Stearin Basic Soaps. <i>Energy & Fuels</i> , 2019, 33, 11648-11654.	2.5	6
41	Improved Municipal Solid Waste Gasification Efficiency Using a Modified Downdraft Gasifier with Variations of Air Input and Preheated Air Temperature. <i>Energy & Fuels</i> , 2019, 33, 11049-11056.	2.5	15
42	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
43	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
44	Physicochemical characteristics and photocatalytic performance of TiO ₂ /SiO ₂ catalyst synthesized using biogenic silica from bamboo leaves. <i>Heliyon</i> , 2019, 5, e02766.	1.4	46
45	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. <i>Fuel</i> , 2019, 258, 116034.	3.4	19
46	Catalytic thermal conversion of CO ₂ into fuels: Perspective and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109333.	8.2	111
47	Zeolite catalyst design for the conversion of glucose to furans and other renewable fuels. <i>Fuel</i> , 2019, 258, 115851.	3.4	25
48	Peculiarities of Glycerol Conversion to Chemicals Over Zeolite-Based Catalysts. <i>Frontiers in Chemistry</i> , 2019, 7, 233.	1.8	26
49	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
50	Propene Adsorption-Chemisorption Behaviors on H-SAPO-34 Zeolite Catalysts at Different Temperatures. <i>Catalysts</i> , 2019, 9, 919.	1.6	18
51	Synthesis of phosphate-modified zeolite as a modifier in carbon paste electrode for nitrite electrochemical detection. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3283-3293.	1.1	4
52	Microwave-Assisted Hydrothermal Synthesis of CHA Zeolite for Methanol-to-Olefins Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 60-68.	1.8	19
53	An exciting opportunity for zeolite adsorbent design in separation of C ₄ olefins through adsorptive separation. <i>Separation and Purification Technology</i> , 2019, 221, 126-151.	3.9	26
54	Fabrication zone of OSDA-free and seed-free mordenite crystals. <i>Powder Technology</i> , 2019, 342, 992-997.	2.1	9

#	ARTICLE	IF	CITATIONS
55	Hydrothermal Stabilization of Rich Al ^{III} -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
56	Upgrading oil sand bitumen under superheated steam over ceria-based nanocomposite catalysts. <i>Applied Energy</i> , 2018, 218, 1-9.	5.1	36
57	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
58	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
59	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
60	Fluidizable NiO ^x -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
61	Hydrocracking catalysts based on hierarchical zeolites: A recent progress. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 61, 265-280.	2.9	38
62	Zirconia-Based Nanocatalysts in Heavy Oil Upgrading: A Mini Review. <i>Energy & Fuels</i> , 2018, 32, 2840-2854.	2.5	29
63	Isomerization of n-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
64	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
65	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
66	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
67	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
68	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
69	Lanthanum, cerium, and boron incorporated ZSM-12 zeolites for catalytic cracking of n-hexane. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 129, 231-240.	2.6	20
70	Stable Production of Gasoline-Ranged Hydrocarbons from Dimethyl Ether over Iron-Modified ZSM-22 Zeolite. <i>Energy & Fuels</i> , 2018, 32, 11796-11801.	2.5	12
71	Fluidizable Fe ^x -Co/Ce ^x -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
72	Vegetable Oil to Biolubricants: Review on Advanced Porous Catalysts. <i>Energy & Fuels</i> , 2018, 32, 10295-10310.	2.5	31

#	ARTICLE	IF	CITATIONS
73	Poly aromatic hydrocarbon (naphthalene) conversion into value added chemical (tetralin): Activity and stability of MoP/AC catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4525-4530.	3.3	18
74	Producing Biodiesel from Waste Cooking Oil with Catalytic Membrane Reactor: Process Design and Sensitivity Analysis. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 6261-6269.	1.7	13
75	A Mesopore-Dependent Catalytic Cracking of n-Hexane Over Mesoporous Nanostructured ZSM-5. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5711-5720.	0.9	1
76	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
77	Sustainable Production of Glycerol Carbonate from By-product in Biodiesel Plant. <i>Waste and Biomass Valorization</i> , 2017, 8, 141-152.	1.8	30
78	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
79	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
80	A review on insulation materials for energy conservation in buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 1352-1365.	8.2	485
81	Electrochemical detection of thiocyanate using phosphate-modified zeolite carbon paste electrodes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 72, 236-243.	2.7	14
82	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
83	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
84	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
85	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
86	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
87	Feed compositions and gasification potential of several biomasses including a microalgae: thermodynamic modeling approach. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17009-17019.	3.8	52
88	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
89	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
90	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

#	ARTICLE	IF	CITATIONS
91	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
92	Selective Isomerization of <i>n</i> -Butane over Mordenite Nanoparticles Fabricated by a Sequential Ball Milling–Recrystallization–Dealumination Route. <i>Energy & Fuels</i> , 2017, 31, 12691-12700.	2.5	20
93	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
94	Iron- and Cobalt-Doped Ceria–Zirconia Nanocomposites for Catalytic Cracking of Naphtha with Regenerative Capability. <i>Energy & Fuels</i> , 2017, 31, 12612-12623.	2.5	16
95	Alkali Metal Ion-Exchanged Zeolite X from Bamboo Leaf Biomass as Base Catalysts in Cyanoethylation of Methanol Enhanced by Non-Microwave Instant Heating. <i>Australian Journal of Chemistry</i> , 2017, 70, 1239.	0.5	2
96	Viscosity Reduction of Heavy Oil Using Nanocatalyst in Aquathermolysis Reaction. <i>KONA Powder and Particle Journal</i> , 2016, 33, 3-16.	0.9	34
97	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
98	Ring opening of hydrocarbons for diesel and aromatics production: Design of heterogeneous catalytic systems. <i>Fuel</i> , 2016, 181, 618-629.	3.4	44
99	Glycerol Carbonate Production from Biodiesel Waste Over Modified Natural Clinoptilolite. <i>Waste and Biomass Valorization</i> , 2016, 7, 1349-1356.	1.8	25
100	Synthesis of zeolite–magadiite composites: Effects of co-solvent and aluminum source. <i>Particuology</i> , 2016, 27, 34-39.	2.0	5
101	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
102	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
103	Steam Catalytic Cracking of <i>n</i> -Hexane over Modified MTW Zeolites Impregnated by Extra-Framework Elements. <i>Energy & Fuels</i> , 2016, 30, 9679-9685.	2.5	9
104	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
105	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
106	Microwave-assisted hydrothermal synthesis of mordenite zeolite: Optimization of synthesis parameters. <i>Microporous and Mesoporous Materials</i> , 2016, 232, 211-217.	2.2	30
107	Fabrication of desilicated MTW zeolite and its application in catalytic cracking of <i>n</i> -heptane. <i>Advanced Powder Technology</i> , 2016, 27, 372-378.	2.0	11
108	Synthesis of silicalite-1 using fluoride media under microwave irradiation. <i>Microporous and Mesoporous Materials</i> , 2016, 233, 140-147.	2.2	10

#	ARTICLE	IF	CITATIONS
109	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
110	Hydrothermal stability of MTT zeolite in hot water: The role of La and Ce. <i>Microporous and Mesoporous Materials</i> , 2016, 233, 93-101.	2.2	18
111	Microwave-assisted solvothermal synthesis of ZSM-22 zeolite with controllable crystal lengths. <i>Particuology</i> , 2016, 24, 138-141.	2.0	11
112	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
113	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
114	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
115	Facile control of nanosized ZSM-22 crystals using dynamic crystallization technique. <i>Microporous and Mesoporous Materials</i> , 2016, 227, 16-22.	2.2	21
116	Lanthanum-impregnated zeolite modified carbon paste electrode for determination of Cadmium (II). <i>Microporous and Mesoporous Materials</i> , 2016, 225, 164-173.	2.2	14
117	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
118	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
119	Waste to liquid fuels: potency, progress and challenges. <i>International Journal of Energy Research</i> , 2015, 39, 1451-1478.	2.2	34
120	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
121	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
122	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
123	The effect of non-ionic surfactant in the microwave-assisted synthesis of MTT zeolite optimized by Taguchi method. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 50, 314-321.	2.7	10
124	A review on coke management during dry reforming of methane. <i>International Journal of Energy Research</i> , 2015, 39, 1196-1216.	2.2	279
125	Maximizing Diesel Production through Oligomerization: A Landmark Opportunity for Zeolite Research. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 781-789.	1.8	64
126	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

#	ARTICLE	IF	CITATIONS
127	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
128	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
129	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
130	Catalytic Upgrading of Bioethanol to Fuel Grade Biobutanol: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7181-7194.	1.8	69
131	The role of alcohols and diols as co-solvents in fabrication of TON zeolite. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 29, 112-119.	2.9	16
132	Aquathermolysis of heavy oil: A review and perspective on catalyst development. <i>Fuel</i> , 2015, 157, 219-231.	3.4	181
133	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
134	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
135	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.	6.6	52
136	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
137	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
138	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
139	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
140	Role of crystal growth modifiers in the synthesis of ZSM-12 zeolite. <i>Advanced Powder Technology</i> , 2015, 26, 188-192.	2.0	10
141	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
142	Controlling naphtha cracking using nanosized TON zeolite synthesized in the presence of polyoxyethylene surfactant. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 110, 338-345.	2.6	18
143	Selective catalytic cracking of n-hexane to propylene over hierarchical MTT zeolite. <i>Fuel</i> , 2014, 135, 105-111.	3.4	55
144	Isomerization and Alkylation of Biomass-Derived Compounds in Aqueous Media over Hydrophobic Solid Acid Catalysts: A Mini Review. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 17869-17877.	1.8	16

#	ARTICLE	IF	CITATIONS
145	Carbon nanostructures grown on 3D silicon carbide foams: Role of intermediate silica layer and metal growth. <i>Chemical Engineering Journal</i> , 2014, 258, 110-118.	6.6	11
146	Biodiesel production from algae by using heterogeneous catalysts: A critical review. <i>Energy</i> , 2014, 78, 72-83.	4.5	160
147	Effect of synthesis parameters and ion exchange on crystallinity and morphology of EU-1 zeolite. <i>Journal of Alloys and Compounds</i> , 2014, 617, 408-412.	2.8	18
148	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
149	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
150	Metal Carbides in Fuel Cell Cathode. <i>Lecture Notes in Energy</i> , 2013, , 665-687.	0.2	0
151	H ₂ S adsorption by Ag and Cu ion exchanged faujasites. <i>Microporous and Mesoporous Materials</i> , 2011, 146, 127-133.	2.2	71
152	Synthesis of Zeolite A Crystals in the Presence of Crystal Growth Inhibitors by Microwave-Assisted Hydrothermal Technique. , 2011, , .		0
153	Enhancement of the stability of microporous silica films in non-aqueous solvents at elevated temperature. <i>Microporous and Mesoporous Materials</i> , 2009, 124, 20-29.	2.2	9
154	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
155	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
156	Mesoporous silica films as catalyst support for microstructured reactors: Preparation and characterization. <i>Chemical Engineering Journal</i> , 2008, 135, S99-S103.	6.6	32
157	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
158	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