

# Young-Kwon Park

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3482750/publications.pdf>

Version: 2024-02-01

519  
papers

17,457  
citations

18436  
62  
h-index

30848  
102  
g-index

520  
all docs

520  
docs citations

520  
times ranked

12586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production and utilization of biochar: A review. Journal of Industrial and Engineering Chemistry, 2016, 40, 1-15.	2.9	861
2	Comparison of biochar properties from biomass residues produced by slow pyrolysis at 500°C. Bioresource Technology, 2013, 148, 196-201.	4.8	471
3	Catalytic roles of metals and supports on hydrodeoxygenation of lignin monomer guaiacol. Catalysis Communications, 2012, 17, 54-58.	1.6	311
4	Characterization of cadmium removal from aqueous solution by biochar produced from a giant Miscanthus at different pyrolytic temperatures. Bioresource Technology, 2013, 138, 266-270.	4.8	299
5	Highly valuable chemicals production from catalytic upgrading of radiata pine sawdust-derived pyrolytic vapors over mesoporous MFI zeolites. Applied Catalysis B: Environmental, 2010, 95, 365-373.	10.8	262
6	The characteristics of bio-oil produced from the pyrolysis of three marine macroalgae. Bioresource Technology, 2011, 102, 3512-3520.	4.8	246
7	Bio-oil production from fast pyrolysis of waste furniture sawdust in a fluidized bed. Bioresource Technology, 2010, 101, S91-S96.	4.8	235
8	Slow pyrolysis of rice straw: Analysis of products properties, carbon and energy yields. Bioresource Technology, 2014, 155, 63-70.	4.8	227
9	Recent advances in catalytic co-pyrolysis of biomass and plastic waste for the production of petroleum-like hydrocarbons. Bioresource Technology, 2020, 310, 123473.	4.8	199
10	Steam reforming of biomass gasification tar using benzene as a model compound over various Ni supported metal oxide catalysts. Bioresource Technology, 2010, 101, S101-S103.	4.8	177
11	Overview of the recent advances in lignocellulose liquefaction for producing biofuels, bio-based materials and chemicals. Bioresource Technology, 2019, 279, 373-384.	4.8	175
12	Clean bio-oil production from fast pyrolysis of sewage sludge: Effects of reaction conditions and metal oxide catalysts. Bioresource Technology, 2010, 101, S83-S85.	4.8	166
13	Strategic use of biochar for CO <sub>2</sub> capture and sequestration. Journal of CO <sub>2</sub> Utilization, 2019, 32, 128-139.	3.3	159
14	Characteristics of biochar produced from slow pyrolysis of Geodae-Uksae 1. Bioresource Technology, 2013, 130, 345-350.	4.8	149
15	Recent progress in the thermal and catalytic conversion of lignin. Renewable and Sustainable Energy Reviews, 2019, 111, 422-441.	8.2	141
16	Catalytic pyrolysis of biomass components over mesoporous catalysts using Py-GC/MS. Catalysis Today, 2013, 204, 170-178.	2.2	137
17	Catalytic Hydrodeoxygenation of Bio-oil Model Compounds over Pt/HY Catalyst. Scientific Reports, 2016, 6, 28765.	1.6	133
18	Effects of the operating parameters on the production of bio-oil in the fast pyrolysis of Japanese larch. Chemical Engineering Journal, 2008, 143, 124-132.	6.6	132

#	ARTICLE	IF	CITATIONS
19	Fast pyrolysis of rice husk under different reaction conditions. Journal of Industrial and Engineering Chemistry, 2010, 16, 27-31.	2.9	131
20	Recent advances in volatile organic compounds abatement by catalysis and catalytic hybrid processes: A critical review. Science of the Total Environment, 2020, 719, 137405.	3.9	130
21	Recent advances of thermochemical conversion processes for biorefinery. Bioresource Technology, 2022, 343, 126109.	4.8	129
22	Microwave steam activation, an innovative pyrolysis approach to convert waste palm shell into highly microporous activated carbon. Journal of Environmental Management, 2019, 236, 245-253.	3.8	120
23	Catalytic co-pyrolysis of torrefied yellow poplar and high-density polyethylene using microporous HZSM-5 and mesoporous Al-MCM-41 catalysts. Energy Conversion and Management, 2017, 149, 966-973.	4.4	119
24	Thermal and chemical regeneration of spent activated carbon and its adsorption property for toluene. Chemical Engineering Journal, 2012, 210, 500-509.	6.6	117
25	Hydrodeoxygenation of guaiacol over Pt loaded zeolitic materials. Journal of Industrial and Engineering Chemistry, 2016, 37, 18-21.	2.9	114
26	Catalytic Copyrolysis of Cellulose and Thermoplastics over HZSM-5 and HY. ACS Sustainable Chemistry and Engineering, 2016, 4, 1354-1363.	3.2	113
27	Production of phenolics and aromatics by pyrolysis of miscanthus. Fuel, 2012, 97, 379-384.	3.4	112
28	Influence of operation variables on fast pyrolysis of Miscanthus sinensis var. purpurascens. Bioresource Technology, 2010, 101, 3672-3677.	4.8	110
29	Engineering pyrolysis biochar via single-step microwave steam activation for hazardous landfill leachate treatment. Journal of Hazardous Materials, 2020, 390, 121649.	6.5	110
30	Review on the progress in emission control technologies for the abatement of CO <sub>2</sub> , SO <sub>x</sub> and NO <sub>x</sub> from fuel combustion. Journal of Environmental Chemical Engineering, 2021, 9, 106064.	3.3	109
31	The low-temperature SCR of NO over rice straw and sewage sludge derived char. Chemical Engineering Journal, 2010, 156, 321-327.	6.6	104
32	Recent advances in the catalytic hydrodeoxygenation of bio-oil. Korean Journal of Chemical Engineering, 2016, 33, 3299-3315.	1.2	104
33	Removal of copper(II) in aqueous solution using pyrolytic biochars derived from red macroalga Porphyra tenera. Journal of Industrial and Engineering Chemistry, 2016, 36, 314-319.	2.9	99
34	Pyrolysis characteristics of Oriental white oak: Kinetic study and fast pyrolysis in a fluidized bed with an improved reaction system. Fuel Processing Technology, 2009, 90, 186-195.	3.7	98
35	Pyrolysis kinetics and decomposition characteristics of pine trees. Bioresource Technology, 2010, 101, 9797-9802.	4.8	97
36	Influence of Reaction Temperature, Pretreatment, and a Char Removal System on the Production of Bio-oil from Rice Straw by Fast Pyrolysis, Using a Fluidized Bed. Energy & Fuels, 2005, 19, 2179-2184.	2.5	93

#	ARTICLE	IF	CITATIONS
37	Synthesis of different biofuels from livestock waste materials and their potential as sustainable feedstocks “A review. Energy Conversion and Management, 2021, 236, 114038.	4.4	91
38	Valorization of municipal wastes using co-pyrolysis for green energy production, energy security, and environmental sustainability: A review. Chemical Engineering Journal, 2021, 421, 129749.	6.6	90
39	Microalgae and ammonia: A review on inter-relationship. Fuel, 2021, 303, 121303.	3.4	86
40	Microalgal-based biochar in wastewater remediation: Its synthesis, characterization and applications. Environmental Research, 2022, 204, 111966.	3.7	86
41	Recent progress in the catalytic thermochemical conversion process of biomass for biofuels. Chemical Engineering Journal, 2022, 447, 137501.	6.6	85
42	A review on activated carbon modifications for the treatment of wastewater containing anionic dyes. Chemosphere, 2022, 306, 135566.	4.2	85
43	In-situ and ex-situ catalytic pyrolysis/co-pyrolysis of empty fruit bunches using mesostructured aluminosilicate catalysts. Chemical Engineering Journal, 2019, 366, 330-338.	6.6	84
44	Catalytic hydrodeoxygenation of 2-methoxy phenol and dibenzofuran over Pt/mesoporous zeolites. Energy, 2015, 81, 33-40.	4.5	83
45	In-situ catalytic pyrolysis of lignin in a bench-scale fixed bed pyrolyzer. Journal of Industrial and Engineering Chemistry, 2017, 54, 447-453.	2.9	83
46	Upgrading of biofuel by the catalytic deoxygenation of biomass. Korean Journal of Chemical Engineering, 2012, 29, 1657-1665.	1.2	81
47	Chemical recycling of plastic waste via thermocatalytic routes. Journal of Cleaner Production, 2021, 321, 128989.	4.6	81
48	Co-processing of oil palm waste and waste oil via microwave co-torrefaction: A waste reduction approach for producing solid fuel product with improved properties. Chemical Engineering Research and Design, 2019, 128, 30-35.	2.7	80
49	Efficient depolymerization of lignin in supercritical ethanol by a combination of metal and base catalysts. Journal of Industrial and Engineering Chemistry, 2018, 57, 45-54.	2.9	79
50	The synthesis and coating process of TiO <sub>2</sub> nanoparticles using CVD process. Powder Technology, 2011, 214, 64-68.	2.1	78
51	Mini review on H <sub>2</sub> production from electrochemical water splitting according to special nanostructured morphology of electrocatalysts. Fuel, 2022, 308, 122048.	3.4	78
52	Sawdust pyrolysis from the furniture industry in an auger pyrolysis reactor system for biochar and bio-oil production. Energy Conversion and Management, 2020, 226, 113502.	4.4	77
53	Catalytic pyrolysis of lignin using a two-stage fixed bed reactor comprised of in-situ natural zeolite and ex-situ HZSM-5. Journal of Analytical and Applied Pyrolysis, 2016, 122, 282-288.	2.6	74
54	Overview of biochar production from preservative-treated wood with detailed analysis of biochar characteristics, heavy metals behaviors, and their ecotoxicity. Journal of Hazardous Materials, 2020, 384, 121356.	6.5	73

#	ARTICLE	IF	CITATIONS
55	Bioelectrochemical systems for a circular bioeconomy. <i>Bioresource Technology</i> , 2020, 300, 122748.	4.8	72
56	Microwave pyrolysis valorization of used baby diaper. <i>Chemosphere</i> , 2019, 230, 294-302.	4.2	71
57	Comparison of removal ability of indoor formaldehyde over different materials functionalized with various amine groups. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 1-5.	2.9	69
58	Synthesis of highly stable mesoporous aluminosilicates from commercially available zeolites and their application to the pyrolysis of woody biomass. <i>Catalysis Today</i> , 2008, 132, 68-74.	2.2	68
59	Removal characteristics of copper by marine macro-algae-derived chars. <i>Chemical Engineering Journal</i> , 2013, 217, 205-211.	6.6	67
60	Catalytic Vapor Cracking for Improvement of Bio-Oil Quality. <i>Catalysis Surveys From Asia</i> , 2011, 15, 161-180.	1.0	66
61	Upgrading of bio-oil derived from biomass constituents over hierarchical unilamellar mesoporous MFI nanosheets. <i>Catalysis Today</i> , 2014, 232, 119-126.	2.2	66
62	Bench scale catalytic fast pyrolysis of empty fruit bunches over low cost catalysts and HZSM-5 using a fixed bed reactor. <i>Journal of Cleaner Production</i> , 2018, 176, 298-303.	4.6	66
63	Production of value-added aromatics from wasted COVID-19 mask via catalytic pyrolysis. <i>Environmental Pollution</i> , 2021, 283, 117060.	3.7	66
64	Effect of active species scavengers in photocatalytic desulfurization of hydrocracker diesel using mesoporous Ag <sub>3</sub> VO <sub>4</sub> . <i>Chemical Engineering Journal</i> , 2022, 441, 136063.	6.6	66
65	Catalytic hydrodeoxygenation of crude bio-oil in supercritical methanol using supported nickel catalysts. <i>Renewable Energy</i> , 2019, 144, 159-166.	4.3	65
66	Catalytic hydropyrolysis of lignin: Suppression of coke formation in mild hydrodeoxygenation of lignin-derived phenolics. <i>Chemical Engineering Journal</i> , 2020, 386, 121348.	6.6	65
67	Catalytic ozonation of toluene using Mn <sup>II</sup> -M bimetallic HZSM-5 (M: Fe, Cu, Ru, Ag) catalysts at room temperature. <i>Journal of Hazardous Materials</i> , 2020, 397, 122577.	6.5	64
68	Production of aromatic hydrocarbons via catalytic co-pyrolysis of torrefied cellulose and polypropylene. <i>Energy Conversion and Management</i> , 2016, 129, 81-88.	4.4	63
69	Catalytic pyrolysis of lignin for the production of aromatic hydrocarbons: Effect of magnesium oxide catalyst. <i>Energy</i> , 2019, 179, 669-675.	4.5	63
70	Property of a highly active bimetallic catalyst based on a supported manganese oxide for the complete oxidation of toluene. <i>Powder Technology</i> , 2014, 266, 292-298.	2.1	62
71	Enhancement of C O bond cleavage to afford aromatics in the hydrodeoxygenation of anisole over ruthenium-supporting mesoporous metal oxides. <i>Applied Catalysis A: General</i> , 2017, 544, 84-93.	2.2	62
72	Catalytic Pyrolysis of Polystyrene over Steel Slag under CO <sub>2</sub> Environment. <i>Journal of Hazardous Materials</i> , 2020, 395, 122576.	6.5	61

#	ARTICLE	IF	CITATIONS
73	Pyrolysis and catalytic upgrading of Citrus unshiu peel. <i>Bioresource Technology</i> , 2015, 194, 312-319.	4.8	60
74	Valorization of underutilized waste biomass from invasive species to produce biochar for energy and other value-added applications. <i>Environmental Research</i> , 2020, 186, 109596.	3.7	60
75	A review on integrated thermochemical hydrogen production from water. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 4346-4356.	3.8	60
76	Property and performance of red mud-based catalysts for the complete oxidation of volatile organic compounds. <i>Journal of Hazardous Materials</i> , 2015, 300, 104-113.	6.5	59
77	Investigation into the lignin decomposition mechanism by analysis of the pyrolysis product of <i>Pinus radiata</i> . <i>Bioresource Technology</i> , 2016, 219, 371-377.	4.8	59
78	Mild hydrodeoxygenation of phenolic lignin model compounds over a $\text{FeReO}_x/\text{ZrO}_2$ catalyst: zirconia and rhenium oxide as efficient dehydration promoters. <i>Green Chemistry</i> , 2018, 20, 1472-1483.	4.6	59
79	Recent advances in the catalytic pyrolysis of microalgae. <i>Catalysis Today</i> , 2020, 355, 263-271.	2.2	59
80	Biohydrogen production from catalytic conversion of food waste via steam and air gasification using eggshell- and homo-type $\text{Ni}/\text{Al}_2\text{O}_3$ catalysts. <i>Bioresource Technology</i> , 2021, 320, 124313.	4.8	59
81	Bio-oil upgrading through hydrogen transfer reactions in supercritical solvents. <i>Chemical Engineering Journal</i> , 2021, 404, 126527.	6.6	59
82	Effects of operation conditions on pyrolysis characteristics of agricultural residues. <i>Renewable Energy</i> , 2012, 42, 125-130.	4.3	58
83	Catalytic co-pyrolysis of yellow poplar wood and polyethylene terephthalate over two stage calcium oxide-ZSM-5. <i>Applied Energy</i> , 2019, 250, 1706-1718.	5.1	58
84	Recent advancements on the sustainable biochar based semiconducting materials for photocatalytic applications: A state of the art review. <i>Journal of Cleaner Production</i> , 2022, 330, 129899.	4.6	58
85	Rapid degradation of methyl orange using hybrid advanced oxidation process and its synergistic effect. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 35, 205-210.	2.9	57
86	Catalytic upgrading of oil fractions separated from food waste leachate. <i>Bioresource Technology</i> , 2011, 102, 3952-3957.	4.8	56
87	Ex-situ catalytic pyrolysis of citrus fruit peels over mesoporous MFI and Al-MCM-41. <i>Energy Conversion and Management</i> , 2016, 125, 277-289.	4.4	56
88	Pyrolysis reaction characteristics of Korean pine ( <i>Pinus Koraiensis</i> ) nut shell. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 110, 435-441.	2.6	55
89	Progress in the torrefaction technology for upgrading oil palm wastes to energy-dense biochar: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111645.	8.2	55
90	Effect of pore structure of amine-functionalized mesoporous silica-supported rhodium catalysts on 1-octene hydroformylation. <i>Microporous and Mesoporous Materials</i> , 2009, 123, 289-297.	2.2	54

#	ARTICLE	IF	CITATIONS
91	In-situ catalytic copyrolysis of cellulose and polypropylene over desilicated ZSM-5. Catalysis Today, 2017, 293-294, 151-158.	2.2	53
92	Catalytic fast pyrolysis of wood plastic composite over microporous zeolites. Chemical Engineering Journal, 2019, 377, 119742.	6.6	53
93	Analytical pyrolysis of waste paper laminated phenolic-printed circuit board (PLP-PCB). Journal of Analytical and Applied Pyrolysis, 2015, 115, 87-95.	2.6	52
94	Removal of Cu <sup>2+</sup> by biochars derived from green macroalgae. Environmental Science and Pollution Research, 2016, 23, 985-994.	2.7	52
95	Catalytic pyrolysis of wood polymer composites over hierarchical mesoporous zeolites. Energy Conversion and Management, 2019, 195, 727-737.	4.4	52
96	Enhanced stability of bio-oil and diesel fuel emulsion using Span 80 and Tween 60 emulsifiers. Journal of Environmental Management, 2019, 231, 694-700.	3.8	52
97	Development of hierarchically porous LaVO <sub>4</sub> for efficient visible-light-driven photocatalytic desulfurization of diesel. Chemical Engineering Journal, 2021, 420, 130529.	6.6	52
98	Removal of toluene using ozone at room temperature over mesoporous Mn/Al <sub>2</sub> O <sub>3</sub> catalysts. Environmental Research, 2019, 172, 649-657.	3.7	51
99	Insight into the effect of metal and support for mild hydrodeoxygenation of lignin-derived phenolics to BTX aromatics. Chemical Engineering Journal, 2019, 377, 120121.	6.6	51
100	Pyrolysis of solid waste residues from Lemon Myrtle essential oils extraction for bio-oil production. Bioresource Technology, 2020, 318, 123913.	4.8	51
101	Catalytic co-pyrolysis of cellulose and linear low-density polyethylene over MgO-impregnated catalysts with different acid-base properties. Chemical Engineering Journal, 2019, 373, 375-381.	6.6	50
102	Linear low-density polyethylene gasification over highly active Ni/CeO <sub>2</sub> -ZrO <sub>2</sub> catalyst for enhanced hydrogen generation. Journal of Industrial and Engineering Chemistry, 2021, 94, 336-342.	2.9	49
103	Oxidative desulfurization of refinery diesel pool fractions using LaVO <sub>4</sub> photocatalyst. Journal of Industrial and Engineering Chemistry, 2021, 98, 283-288.	2.9	48
104	Influence of reaction conditions on bio-oil production from pyrolysis of construction waste wood. Renewable Energy, 2014, 65, 41-48.	4.3	47
105	In-situ catalytic co-pyrolysis of yellow poplar and high-density polyethylene over mesoporous catalysts. Energy Conversion and Management, 2017, 151, 116-122.	4.4	46
106	Enhancement of aromatics from catalytic pyrolysis of yellow poplar: Role of hydrogen and methane decomposition. Bioresource Technology, 2020, 315, 123835.	4.8	46
107	Catalytic conversion of Laminaria japonica over microporous zeolites. Energy, 2014, 66, 2-6.	4.5	45
108	Catalytic co-pyrolysis of biomass carbohydrates with LLDPE over Al-SBA-15 and mesoporous ZSM-5. Catalysis Today, 2017, 298, 46-52.	2.2	44

#	ARTICLE	IF	CITATIONS
109	Carbon dioxide-cofeeding pyrolysis of pine sawdust over nickel-based catalyst for hydrogen production. <i>Energy Conversion and Management</i> , 2019, 201, 112140.	4.4	44
110	Synthesis of nickel/biochar composite from pyrolysis of <i>Microcystis aeruginosa</i> and its practical use for syngas production. <i>Bioresource Technology</i> , 2020, 300, 122712.	4.8	44
111	Fast hydrolysis of biomass Conversion: A comparative review. <i>Bioresource Technology</i> , 2021, 342, 126067.	4.8	44
112	Progress of the Pyrolyzer Reactors and Advanced Technologies for Biomass Pyrolysis Processing. <i>Sustainability</i> , 2021, 13, 11061.	1.6	44
113	Indoor formaldehyde removal over CMK-3. <i>Nanoscale Research Letters</i> , 2012, 7, 7.	3.1	43
114	Upgrading of pyrolysis bio-oil using WO <sub>3</sub> /ZrO <sub>2</sub> and Amberlyst catalysts: Evaluation of acid number and viscosity. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2180-2187.	1.2	43
115	Pyrolysis of polypropylene over mesoporous MCM-48 material. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1125-1128.	1.9	42
116	Benzene oxidation with ozone over MnO /SBA-15 catalysts. <i>Catalysis Today</i> , 2013, 204, 108-113.	2.2	42
117	Catalytic co-pyrolysis of epoxy-printed circuit board and plastics over HZSM-5 and HY. <i>Journal of Cleaner Production</i> , 2017, 168, 366-374.	4.6	42
118	Facile synthesis of iron-ruthenium bimetallic oxide nanoparticles on carbon nanotube composites by liquid phase plasma method for supercapacitor. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2993-2998.	1.2	42
119	Synthesis of anionic multichain type surfactant and its effect on methane gas hydrate formation. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 120-124.	2.9	41
120	Analytical pyrolysis properties of waste medium-density fiberboard and particle board. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 32, 345-352.	2.9	41
121	Titanium dioxide modification with cobalt oxide nanoparticles for photocatalysis. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 32, 259-263.	2.9	41
122	Stabilization of bio-oil over a low cost dolomite catalyst. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 922-925.	1.2	41
123	Recent application of biochar on the catalytic biorefinery and environmental processes. <i>Chinese Chemical Letters</i> , 2019, 30, 2147-2150.	4.8	41
124	Effect of zeolite acidity and structure on ozone oxidation of toluene using Ru-Mn loaded zeolites at ambient temperature. <i>Journal of Hazardous Materials</i> , 2021, 403, 123934.	6.5	41
125	Comprehensive kinetic study of <i>Imperata Cylindrica</i> pyrolysis via Asym2sig deconvolution and combined kinetics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 156, 105133.	2.6	41
126	Biohydrogen production from furniture waste via catalytic gasification in air over Ni-loaded Ultra-stable Y-type zeolite. <i>Chemical Engineering Journal</i> , 2022, 433, 133793.	6.6	41



#	ARTICLE	IF	CITATIONS
127	Hydrocarbon synthesis through CO <sub>2</sub> hydrogenation over CuZnOZrO <sub>2</sub> /zeolite hybrid catalysts. <i>Catalysis Today</i> , 1998, 44, 165-173.	2.2	40
128	Application of Hierarchical MFI Zeolite for the Catalytic Pyrolysis of Japanese Larch. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 355-359.	0.9	40
129	Copyrolysis of block polypropylene with waste wood chip. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 497-501.	1.2	40
130	Low temperature selective catalytic reduction of NO with NH <sub>3</sub> over Mn supported on Ce <sub>0.65</sub> Zr <sub>0.35</sub> O <sub>2</sub> prepared by supercritical method: Effect of Mn precursors on NO reduction. <i>Catalysis Today</i> , 2012, 185, 290-295.	2.2	40
131	Catalytic pyrolysis of mandarin residue from the mandarin juice processing industry. <i>Bioresource Technology</i> , 2013, 136, 431-436.	4.8	40
132	Catalytic conversion of particle board over microporous catalysts. <i>Renewable Energy</i> , 2013, 54, 105-110.	4.3	40
133	Pyrolysis Reaction Pathways of Waste Epoxy-Printed Circuit Board. <i>Environmental Engineering Science</i> , 2013, 30, 706-712.	0.8	40
134	Non-Isothermal Pyrolysis of Citrus Unshiu Peel. <i>Bioenergy Research</i> , 2015, 8, 431-439.	2.2	40
135	Pyrolysis kinetics and product properties of softwoods, hardwoods, and the nut shell of softwood. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2350-2358.	1.2	40
136	Bioenergy potential and thermochemical characterization of lignocellulosic biomass residues available in Pakistan. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1899-1906.	1.2	40
137	Using CO <sub>2</sub> as an Oxidant in the Catalytic Pyrolysis of Peat Moss from the North Polar Region. <i>Environmental Science &amp; Technology</i> , 2020, 54, 6329-6343.	4.6	40
138	Removal of Cu(II)-ion over amine-functionalized mesoporous silica materials. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 504-509.	2.9	39
139	Co-feeding effect of waste plastic films on the catalytic pyrolysis of <i>Quercus variabilis</i> over microporous HZSM-5 and HY catalysts. <i>Chemical Engineering Journal</i> , 2019, 378, 122151.	6.6	38
140	Pd/C catalyzed transfer hydrogenation of pyrolysis oil using 2-propanol as hydrogen source. <i>Chemical Engineering Journal</i> , 2019, 377, 119986.	6.6	38
141	In-situ hydrogenation of bio-oil/bio-oil phenolic compounds with secondary alcohols over a synthesized mesoporous Ni/CeO <sub>2</sub> catalyst. <i>Chemical Engineering Journal</i> , 2020, 382, 122912.	6.6	38
142	Copper promoted Co/MgO: A stable and efficient catalyst for glycerol steam reforming. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18073-18084.	3.8	38
143	Characteristics of hydrogen production by photocatalytic water splitting using liquid phase plasma over Ag-doped TiO <sub>2</sub> photocatalysts. <i>Environmental Research</i> , 2020, 188, 109630.	3.7	38
144	Sustainable valorization of algae biomass via thermochemical processing route: An overview. <i>Bioresource Technology</i> , 2022, 344, 126399.	4.8	38

#	ARTICLE	IF	CITATIONS
145	Catalytic copyrolysis of torrefied cork oak and high density polyethylene over a mesoporous HY catalyst. Catalysis Today, 2018, 307, 301-307.	2.2	37
146	Functional use of CO <sub>2</sub> for environmentally benign production of hydrogen through catalytic pyrolysis of polymeric waste. Chemical Engineering Journal, 2020, 399, 125889.	6.6	37
147	NH <sub>3</sub> selective catalytic reduction (SCR) of nitrogen oxides (NO <sub>x</sub> ) over activated sewage sludge char. Korean Journal of Chemical Engineering, 2011, 28, 106-113.	1.2	36
148	Ex situ catalytic upgrading of lignocellulosic biomass components over vanadium contained H-MCM-41 catalysts. Catalysis Today, 2016, 265, 184-191.	2.2	36
149	Recycling of red mud as a catalyst for complete oxidation of benzene. Journal of Industrial and Engineering Chemistry, 2018, 60, 259-267.	2.9	36
150	Thermolysis of crude oil sludge using CO <sub>2</sub> as reactive gas medium. Energy Conversion and Management, 2019, 186, 393-400.	4.4	36
151	Debrominated high quality oil production by the two-step catalytic pyrolysis of phenolic printed circuit boards (PPCB) using natural clays and HY. Journal of Hazardous Materials, 2019, 367, 50-58.	6.5	36
152	Catalytic fast pyrolysis of waste pepper stems over HZSM-5. Renewable Energy, 2015, 79, 20-27.	4.3	35
153	Synthesis of manganese oxide/activated carbon composites for supercapacitor application using a liquid phase plasma reduction system. International Journal of Hydrogen Energy, 2015, 40, 754-759.	3.8	35
154	Photocatalytic reactions of 2,4-dichlorophenoxyacetic acid using a microwave-assisted photocatalysis system. Chemical Engineering Journal, 2015, 278, 259-264.	6.6	35
155	Suppressed char agglomeration by rotary kiln reactor with alumina ball during the pyrolysis of Kraft lignin. Journal of Industrial and Engineering Chemistry, 2018, 66, 72-77.	2.9	35
156	Catalytic steam gasification of food waste using Ni-loaded rice husk derived biochar for hydrogen production. Chemosphere, 2021, 280, 130671.	4.2	35
157	Catalytic pyrolysis of Japanese larch using spent HZSM-5. Korean Journal of Chemical Engineering, 2010, 27, 73-75.	1.2	34
158	Catalytic pyrolysis of waste rice husk over mesoporous materials. Nanoscale Research Letters, 2012, 7, 18.	3.1	34
159	Continuous pyrolysis of organosolv lignin and application of biochar on gasification of high density polyethylene. Applied Energy, 2019, 255, 113801.	5.1	34
160	Biodiesel synthesis from fish waste via thermally-induced transesterification using clay as porous material. Journal of Hazardous Materials, 2019, 371, 27-32.	6.5	34
161	High-quality and phenolic monomer-rich bio-oil production from lignin in supercritical ethanol over synergistic Ru and Mg-Zr-oxide catalysts. Chemical Engineering Journal, 2020, 396, 125175.	6.6	34
162	Catalytic fast co-pyrolysis of organosolv lignin and polypropylene over in-situ red mud and ex-situ HZSM-5 in two-step catalytic micro reactor. Applied Surface Science, 2020, 511, 145521.	3.1	34

#	ARTICLE	IF	CITATIONS
163	Integrated hydrothermal and deep eutectic solvent-mediated fractionation of lignocellulosic biocomponents for enhanced accessibility and efficient conversion in anaerobic digestion. <i>Bioresource Technology</i> , 2022, 351, 127034.	4.8	34
164	Effect of calcination temperature on the oxidation of benzene with ozone at low temperature over mesoporous $\text{Fe-Mn}_2\text{O}_3$ . <i>Powder Technology</i> , 2011, 214, 458-462.	2.1	33
165	Wild reed of Suncheon Bay: Potential bio-energy source. <i>Renewable Energy</i> , 2012, 42, 168-172.	4.3	33
166	Selective hydroisomerization of n-dodecane over platinum supported on SAPO-11. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 775-780.	2.9	33
167	An aptamer cocktail-functionalized photocatalyst with enhanced antibacterial efficiency towards target bacteria. <i>Journal of Hazardous Materials</i> , 2016, 318, 247-254.	6.5	33
168	Valorization of hazardous COVID-19 mask waste while minimizing hazardous byproducts using catalytic gasification. <i>Journal of Hazardous Materials</i> , 2022, 423, 127222.	6.5	33
169	Microwave co-pyrolysis for simultaneous disposal of environmentally hazardous hospital plastic waste, lignocellulosic, and triglyceride biowaste. <i>Journal of Hazardous Materials</i> , 2022, 423, 127096.	6.5	33
170	Thermal degradation of plywood with block polypropylene in TG and batch reactor system. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 549-553.	2.9	32
171	Preparation of egg-shell-type Ni/Ru bimetal alumina pellet catalysts: Steam methane reforming for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18350-18357.	3.8	32
172	Enhancement of Hydrogen Evolution from Water Photocatalysis Using Liquid Phase Plasma on Metal Oxide-Loaded Photocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3659-3666.	3.2	32
173	Performance of CO <sub>2</sub> and Fe-modified lignin char on arsenic (V) removal from water. <i>Chemosphere</i> , 2021, 279, 130521.	4.2	32
174	Pyrolysis properties and kinetics of mandarin peel. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 2012-2016.	1.2	31
175	Catalytic Fast Pyrolysis of Lignin Over Mesoporous Y Zeolite Using Py-GC/MS. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2640-2646.	0.9	31
176	Preparation and Characterization of Copper Nanoparticles via the Liquid Phase Plasma Method. <i>Current Nanoscience</i> , 2014, 10, 7-10.	0.7	31
177	Catalytic co-pyrolysis of polypropylene and <i>Laminaria japonica</i> over zeolitic materials. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18434-18441.	3.8	31
178	Production of biofuels from pine needle via catalytic fast pyrolysis over HBeta. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 493-496.	1.2	31
179	Bioremediation strategies with biochar for polychlorinated biphenyls (PCBs)-contaminated soils: A review. <i>Environmental Research</i> , 2021, 200, 111757.	3.7	31
180	Catalytic hydrodeoxygenation of Geodae-Uksae pyrolysis oil over Ni/desilicated HZSM-5. <i>Journal of Cleaner Production</i> , 2018, 174, 763-770.	4.6	30

#	ARTICLE	IF	CITATIONS
181	CO <sub>2</sub> -cofed catalytic pyrolysis of tea waste over Ni/SiO <sub>2</sub> for the enhanced formation of syngas. Journal of Hazardous Materials, 2020, 396, 122637.	6.5	30
182	Selective oxidation of refractory sulfur compounds for the production of low sulfur transportation fuel. Korean Journal of Chemical Engineering, 2013, 30, 509-517.	1.2	29
183	Oligomerization and isomerization of dicyclopentadiene over mesoporous materials produced from zeolite beta. Catalysis Today, 2014, 232, 69-74.	2.2	29
184	Biodiesel synthesis from bio-heavy oil through thermally induced transesterification. Journal of Cleaner Production, 2021, 294, 126347.	4.6	29
185	Thermal pyrolysis of fresh and waste fishing nets. Waste Management, 2005, 25, 811-817.	3.7	28
186	Catalytic degradation of polyethylene over SBA-16. Korean Journal of Chemical Engineering, 2010, 27, 1446-1451.	1.2	28
187	Energy, Exergy, and Sustainability Analyses of the Agricultural Sector in Bangladesh. Sustainability, 2020, 12, 4447.	1.6	28
188	Incorporation of solar-thermal energy into a gasification process to co-produce bio-fertilizer and power. Environmental Pollution, 2020, 266, 115103.	3.7	28
189	Syntrophic metabolism facilitates Methanosarcina-led methanation in the anaerobic digestion of lipidic slaughterhouse waste. Bioresource Technology, 2021, 335, 125250.	4.8	28
190	A new biorefinery platform for producing (C2-5) bioalcohols through the biological/chemical hybridization process. Bioresource Technology, 2020, 311, 123568.	4.8	28
191	Eco-friendly rice husk derived biochar as a highly efficient noble Metal-Free cocatalyst for high production of H <sub>2</sub> using solar light irradiation. Chemical Engineering Journal, 2022, 434, 134743.	6.6	28
192	Biochar application strategies for polycyclic aromatic hydrocarbons removal from soils. Environmental Research, 2022, 213, 113599.	3.7	28
193	Analytical pyrolysis reaction characteristics of Porphyra tenera. Algal Research, 2018, 32, 60-69.	2.4	27
194	Potential for sustainable utilisation of agricultural residues for bioenergy production in Pakistan: An overview. Journal of Cleaner Production, 2021, 287, 125047.	4.6	27
195	Effective toluene oxidation under ozone over mesoporous MnOx/γ-Al <sub>2</sub> O <sub>3</sub> catalyst prepared by solvent deficient method: Effect of Mn precursors on catalytic activity. Environmental Research, 2021, 195, 110876.	3.7	27
196	Techno-Economical Evaluation of Bio-Oil Production via Biomass Fast Pyrolysis Process: A Review. Frontiers in Energy Research, 2022, 9, .	1.2	27
197	Direct coating of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> nanoparticles onto glass beads by chemical vapor deposition. Powder Technology, 2012, 231, 135-140.	2.1	26
198	Catalytic fast pyrolysis of Geodae-Uksae 1 over zeolites. Energy, 2015, 81, 41-46.	4.5	26

#	ARTICLE	IF	CITATIONS
199	Catalytic Pyrolysis of Polyethylene and Polypropylene over Desilicated Beta and Al-MSU-F. Catalysts, 2018, 8, 501.	1.6	26
200	Effective use of aluminum-plastic laminate as a feedstock for catalytic pyrolysis over micro and mesoporous catalysts. Journal of Cleaner Production, 2019, 229, 1093-1101.	4.6	26
201	Catalytic pyrolysis of polypropylene over Ga loaded HZSM-5. Journal of Industrial and Engineering Chemistry, 2021, 103, 136-141.	2.9	26
202	Regeneration of field-spent activated carbon catalysts for low-temperature selective catalytic reduction of NOx with NH3. Chemical Engineering Journal, 2011, 174, 242-248.	6.6	25
203	Synthesis of butenes through 2-butanol dehydration over mesoporous materials produced from ferrierite. Catalysis Today, 2012, 185, 191-197.	2.2	25
204	Pyrolysis and co-pyrolysis of Laminaria japonica and polypropylene over mesoporous Al-SBA-15 catalyst. Nanoscale Research Letters, 2014, 9, 376.	3.1	25
205	Pyrolysis kinetic analysis of poly(methyl methacrylate) using evolved gas analysis-mass spectrometry. Korean Journal of Chemical Engineering, 2017, 34, 1214-1221.	1.2	25
206	Production of bio-oil with reduced polycyclic aromatic hydrocarbons via continuous pyrolysis of biobutanol process derived waste lignin. Journal of Hazardous Materials, 2020, 384, 121231.	6.5	25
207	Energy, economic, and environmental impacts of sustainable biochar systems in rural China. Critical Reviews in Environmental Science and Technology, 2022, 52, 1063-1091.	6.6	25
208	Applications of Modified Biochar-Based Materials for the Removal of Environment Pollutants: A Mini Review. Sustainability, 2020, 12, 6112.	1.6	25
209	CO2-Mediated catalytic pyrolysis of rice straw for syngas production and power generation. Energy Conversion and Management, 2020, 220, 113057.	4.4	25
210	Processing of lignocellulose in ionic liquids: A cleaner and sustainable approach. Journal of Cleaner Production, 2021, 323, 129189.	4.6	25
211	A Comparative Study on Hexavalent Chromium Adsorption onto Chitosan and Chitosan-Based Composites. Polymers, 2021, 13, 3427.	2.0	25
212	Production of aromatics fuel additives from catalytic pyrolysis of cow manure over HZSM-5, HBeta, and HY zeolites. Chemical Engineering Journal, 2022, 450, 137971.	6.6	25
213	Selective synthesis of C3â€C4 hydrocarbons through carbon dioxide hydrogenation on hybrid catalysts composed of a methanol synthesis catalyst and SAPO. Applied Catalysis A: General, 1995, 124, 91-106.	2.2	24
214	Catalytic pyrolysis of swine manure using CO2 and steel slag. Environment International, 2019, 133, 105204.	4.8	24
215	Selective Synthesis of 1-butene through Positional Isomerisation of 2-butene over Mesoporous Silica MCM-41. Catalysis Letters, 2007, 119, 179-184.	1.4	23
216	Synthesis of Nanoporous Material from Zeolite USY and Catalytic Application to Bio-Oil Conversion. Journal of Nanoscience and Nanotechnology, 2008, 8, 5439-5444.	0.9	23

#	ARTICLE	IF	CITATIONS
217	Catalytic pyrolysis of Laminaria japonica over nanoporous catalysts using Py-GC/MS. Nanoscale Research Letters, 2011, 6, 500.	3.1	23
218	Hydroisomerization of n-dodecane over Pt/Y zeolites with different acid characteristics. Chemical Engineering Journal, 2013, 232, 111-117.	6.6	23
219	Photo-catalytic destruction of ethylene using microwave discharge electrodeless lamp. Korean Journal of Chemical Engineering, 2015, 32, 1188-1193.	1.2	23
220	Catalytic pyrolysis of polystyrene and polyethylene terephthalate over Al-MSU-F. Energy Procedia, 2018, 144, 111-117.	1.8	23
221	Valorization of sewage sludge via non-catalytic transesterification. Environment International, 2019, 131, 105035.	4.8	23
222	Preparation of mesoporous V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> via spray pyrolysis and its application to the catalytic conversion of 1, 2-dichlorobenzene. Journal of Industrial and Engineering Chemistry, 2011, 17, 144-148.	2.9	22
223	Production of Biohydrogen by Aqueous Phase Reforming of Polyols over Platinum Catalysts Supported on Three-Dimensionally Bimodal Mesoporous Carbon. ChemSusChem, 2012, 5, 629-633.	3.6	22
224	Effect of methane co-feeding on product selectivity of catalytic pyrolysis of biomass. Catalysis Today, 2018, 303, 200-206.	2.2	22
225	CO <sub>2</sub> -cofeeding catalytic pyrolysis of macadamia nutshell. Journal of CO <sub>2</sub> Utilization, 2020, 37, 97-105.	3.3	22
226	Direct conversion of NO and SO <sub>2</sub> in flue gas into fertilizer using ammonia and ozone. Journal of Hazardous Materials, 2020, 397, 122581.	6.5	22
227	Waste furniture gasification using rice husk based char catalysts for enhanced hydrogen generation. Bioresource Technology, 2021, 341, 125813.	4.8	22
228	Acute Toxicity and Tissue Distribution of Cerium Oxide Nanoparticles by a Single Oral Administration in Rats. Toxicological Research, 2009, 25, 79-84.	1.1	22
229	The removal of low concentration formaldehyde over sewage sludge char treated using various methods. Korean Journal of Chemical Engineering, 2011, 28, 1556-1560.	1.2	21
230	Catalytic ozone oxidation of benzene at low temperature over MnOx/Al-SBA-16 catalyst. Nanoscale Research Letters, 2012, 7, 14.	3.1	21
231	Catalytic pyrolysis of cow manure over a Ni/SiO <sub>2</sub> catalyst using CO <sub>2</sub> as a reaction medium. Energy, 2020, 195, 117077.	4.5	21
232	Pore volume upgrade of biochar from spent coffee grounds by sodium bicarbonate during torrefaction. Chemosphere, 2021, 275, 129999.	4.2	21
233	Systematic Assessment of Visible-Light-Driven Microspherical V <sub>2</sub> O <sub>5</sub> Photocatalyst for the Removal of Hazardous Organosulfur Compounds from Diesel. Nanomaterials, 2021, 11, 2908.	1.9	21
234	MoO <sub>3</sub> /SiO <sub>2</sub> catalysts for double bond migration of 2-butene. Journal of Industrial and Engineering Chemistry, 2011, 17, 186-190.	2.9	20

#	ARTICLE	IF	CITATIONS
235	Effect of surfactant, HCl and NH <sub>3</sub> treatments on the regeneration of waste activated carbon used in selective catalytic reduction unit. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 32, 109-112.	2.9	20
236	Hydrothermal Liquefaction of Concentrated Acid Hydrolysis Lignin in a Bench-Scale Continuous Stirred Tank Reactor. <i>Energy &amp; Fuels</i> , 2019, 33, 6421-6428.	2.5	20
237	Progress in thermochemical conversion of aquatic weeds in shellfish aquaculture for biofuel generation: Technical and economic perspectives. <i>Bioresource Technology</i> , 2022, 344, 126202.	4.8	20
238	Robust numerical simulation of pressure swing adsorption process with strong adsorbate CO <sub>2</sub> . <i>Chemical Engineering Science</i> , 2004, 59, 2715-2725.	1.9	19
239	Effects of calcination and support on supported manganese catalysts for the catalytic oxidation of toluene as a model of VOCs. <i>Research on Chemical Intermediates</i> , 2016, 42, 185-199.	1.3	19
240	Synthesis of cobalt oxide-manganese oxide on activated carbon electrodes for electrochemical capacitor application using a liquid phase plasma method. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 7582-7589.	3.8	19
241	Liquid Phase Plasma Synthesis of Iron Oxide Nanoparticles on Nitrogen-Doped Activated Carbon Resulting in Nanocomposite for Supercapacitor Applications. <i>Nanomaterials</i> , 2018, 8, 190.	1.9	19
242	Valorization of alum sludge via a pyrolysis platform using CO <sub>2</sub> as reactive gas medium. <i>Environment International</i> , 2019, 132, 105037.	4.8	19
243	CO <sub>2</sub> -mediated chicken manure biochar manipulation for biodiesel production. <i>Environmental Research</i> , 2019, 171, 348-355.	3.7	19
244	Production of an upgraded lignin-derived bio-oil using the clay catalysts of bentonite and olivine and the spent FCC in a bench-scale fixed bed pyrolyzer. <i>Environmental Research</i> , 2019, 172, 658-664.	3.7	19
245	Degradation of dimethyl phthalate using a liquid phase plasma process with TiO <sub>2</sub> photocatalysts. <i>Environmental Research</i> , 2019, 169, 256-260.	3.7	19
246	Assessing the Theoretical Prospects of Bioethanol Production as a Biofuel from Agricultural Residues in Bangladesh: A Review. <i>Sustainability</i> , 2020, 12, 8583.	1.6	19
247	Synergistic effects of CO <sub>2</sub> on ex situ catalytic pyrolysis of lignocellulosic biomass over a Ni/SiO <sub>2</sub> catalyst. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 39, 101182.	3.3	19
248	Effects of different Al <sub>2</sub> O <sub>3</sub> support on HDPE gasification for enhanced hydrogen generation using Ni-based catalysts. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18085-18092.	3.8	19
249	Recent applications of the liquid phase plasma process. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 885-898.	1.2	19
250	Simultaneous impregnation of Ni and an additive via one-step melt-infiltration: Effect of alkaline-earth metal (Ca, Mg, Sr, and Ba) addition on Ni/β-Al <sub>2</sub> O <sub>3</sub> for CO <sub>2</sub> methanation. <i>Chemical Engineering Journal</i> , 2022, 428, 131393.	6.6	19
251	Novel hybrid technology for VOC control using an electron beam and catalyst. <i>Research on Chemical Intermediates</i> , 2008, 34, 863-870.	1.3	18
252	The pyrolysis of waste mandarin residue using thermogravimetric analysis and a batch reactor. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1867-1872.	1.2	18



#	ARTICLE	IF	CITATIONS
253	Conversion of Kraft Lignin Over Hierarchical MFI Zeolite. Journal of Nanoscience and Nanotechnology, 2014, 14, 2414-2418.	0.9	18
254	Catalytic conversion of waste particle board and polypropylene over H-beta and HY zeolites. Renewable Energy, 2015, 79, 9-13.	4.3	18
255	Non-isothermal pyrolysis properties of Laminaria japonica. Journal of Analytical and Applied Pyrolysis, 2018, 130, 277-284.	2.6	18
256	Catalytic conversion of 1,1,1,2-tetrafluoroethane (HFC-134a). Korean Journal of Chemical Engineering, 2018, 35, 1611-1619.	1.2	18
257	A Comparative Study on the Reduction Effect in Greenhouse Gas Emissions between the Combined Heat and Power Plant and Boiler. Sustainability, 2020, 12, 5144.	1.6	18
258	Offering a new option to valorize hen manure by CO <sub>2</sub> -assisted catalytic pyrolysis over biochar and metal catalysts. Journal of CO <sub>2</sub> Utilization, 2020, 42, 101344.	3.3	18
259	Catalytic Properties of Microporous Zeolite Catalysts in Synthesis of Isosorbide from Sorbitol by Dehydration. Catalysts, 2020, 10, 148.	1.6	18
260	Valorization of rice husk to aromatics via thermocatalytic conversion in the presence of decomposed methane. Chemical Engineering Journal, 2021, 417, 129264.	6.6	18
261	Hydrogen-rich gas production via steam gasification of food waste over basic oxides (MgO/CaO/SrO) promoted-Ni/Al <sub>2</sub> O <sub>3</sub> catalysts. Chemosphere, 2022, 287, 132224.	4.2	18
262	Production of Polyhydroxyalkanoates from Sludge Palm Oil Using Pseudomonas putida S12. Journal of Microbiology and Biotechnology, 2017, 27, 990-994.	0.9	18
263	Achievements in the production of bioplastics from microalgae. Phytochemistry Reviews, 2023, 22, 1147-1165.	3.1	18
264	Effect of torrefaction and fractional condensation on the quality of bio-oil from biomass pyrolysis for fuel applications. Fuel, 2022, 312, 122959.	3.4	18
265	Conversion of biomass blends (walnut shell and pearl millet) for the production of solid biofuel via torrefaction under different conditions. Chemosphere, 2022, 295, 133894.	4.2	18
266	Production of value-added hydrochar from single-mode microwave hydrothermal carbonization of oil palm waste for de-chlorination of domestic water. Science of the Total Environment, 2022, 833, 154968.	3.9	18
267	Recent advances in wide solar spectrum active W <sub>18</sub> O <sub>49</sub> -based photocatalysts for energy and environmental applications. Catalysis Reviews - Science and Engineering, 2023, 65, 1521-1566.	5.7	18
268	Assessment of wood pellet combustion in a domestic stove. Journal of Material Cycles and Waste Management, 2011, 13, 165-172.	1.6	17
269	Hydrodeoxygenation of Guaiacol Over Pt/Al-SBA-15 Catalysts. Journal of Nanoscience and Nanotechnology, 2015, 15, 527-531.	0.9	17
270	The use of calcined seashell for the prevention of char foaming/agglomeration and the production of high-quality oil during the pyrolysis of lignin. Renewable Energy, 2019, 144, 147-152.	4.3	17



#	ARTICLE	IF	CITATIONS
271	NH <sub>3</sub> -induced removal of NO <sub>x</sub> from a flue gas stream by silent discharge ozone generation in a double reactor system. Korean Journal of Chemical Engineering, 2019, 36, 1291-1297.	1.2	17
272	Catalytic pyrolysis of brown algae using carbon dioxide and oyster shell. Journal of CO <sub>2</sub> Utilization, 2019, 34, 668-675.	3.3	17
273	Acid-treated waste red mud as an efficient catalyst for catalytic fast copyrolysis of lignin and polypropylene and ozone-catalytic conversion of toluene. Environmental Research, 2020, 191, 110149.	3.7	17
274	Biohydrogen synthesis from catalytic steam gasification of furniture waste using nickel catalysts supported on modified CeO <sub>2</sub> . International Journal of Hydrogen Energy, 2021, 46, 16603-16611.	3.8	17
275	Adsorptive removal of atmospheric pollutants over Pyropia tenera chars. Carbon Letters, 2016, 19, 79-88.	3.3	17
276	Increased aromatics production by co-feeding waste oil sludge to the catalytic pyrolysis of cellulose. Energy, 2022, 239, 122331.	4.5	17
277	Metallic nickel supported on mesoporous silica as catalyst for hydrodeoxygenation: effect of pore size and structure. Research on Chemical Intermediates, 2018, 44, 3723-3735.	1.3	16
278	Study of stainless steel electrodes after electrochemical analysis in sea water condition. Environmental Research, 2019, 173, 549-555.	3.7	16
279	Effect of eggshell- and homo-type Ni/Al <sub>2</sub> O <sub>3</sub> catalysts on the pyrolysis of food waste under CO <sub>2</sub> atmosphere. Journal of Environmental Management, 2021, 294, 112959.	3.8	16
280	Nanoneedle-Assembled Copper/Cobalt sulfides on nickel foam as an enhanced 3D hierarchical catalyst to activate monopersulfate for Rhodamine b degradation. Journal of Colloid and Interface Science, 2022, 613, 168-181.	5.0	16
281	Catalytic Pyrolysis of Oilsand Bitumen Over Nanoporous Catalysts. Journal of Nanoscience and Nanotechnology, 2011, 11, 759-762.	0.9	15
282	Synthesis of biodiesel from an oil fraction separated from food waste leachate. Korean Journal of Chemical Engineering, 2011, 28, 2287-2292.	1.2	15
283	One step simultaneous synthesis of modified-CVD-made V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> nanocomposite particles. Ceramics International, 2012, 38, 2613-2618.	2.3	15
284	Characteristics of pellet-type adsorbents prepared from water treatment sludge and their effect on trimethylamine removal. Korean Journal of Chemical Engineering, 2014, 31, 624-629.	1.2	15
285	Catalytic upgrading of lignin derived bio-oil model compound using mesoporous solid catalysts. Research on Chemical Intermediates, 2016, 42, 3-17.	1.3	15
286	Effects of Pore Structure on <i>n</i> -Butane Adsorption Characteristics of Polymer-Based Activated Carbon. Industrial & Engineering Chemistry Research, 2019, 58, 736-741.	1.8	15
287	Economic Evaluation of Carbon Capture and Utilization Applying the Technology of Mineral Carbonation at Coal-Fired Power Plant. Sustainability, 2020, 12, 6175.	1.6	15
288	Catalytic Pyrolysis of Tetra Pak over Acidic Catalysts. Catalysts, 2020, 10, 602.	1.6	15

#	ARTICLE	IF	CITATIONS
289	The photocatalytic destruction of cimetidine using microwave-assisted TiO <sub>2</sub> photocatalysts hybrid system. <i>Journal of Hazardous Materials</i> , 2020, 391, 122568.	6.5	15
290	Co-Combustion of Blends of Coal and Underutilised Biomass Residues for Environmental Friendly Electrical Energy Production. <i>Sustainability</i> , 2021, 13, 4881.	1.6	15
291	Synergistic effects of CO <sub>2</sub> on complete thermal degradation of plastic waste mixture through a catalytic pyrolysis platform: A case study of disposable diaper. <i>Journal of Hazardous Materials</i> , 2021, 419, 126537.	6.5	15
292	Recent advances of hybrid solar - Biomass thermo-chemical conversion systems. <i>Chemosphere</i> , 2022, 290, 133245.	4.2	15
293	Catalytic cracking of polystyrene pyrolysis oil: Effect of Nb <sub>2</sub> O <sub>5</sub> and NiO/Nb <sub>2</sub> O <sub>5</sub> catalyst on the liquid product composition. <i>Waste Management</i> , 2022, 141, 240-250.	3.7	15
294	Catalytic Oxidation of Benzene with Ozone Over Nanoporous Mn/MCM-48 Catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 5942-5946.	0.9	14
295	Synthesis of jet fuel through the oligomerization of butenes on zeolite catalysts. <i>Research on Chemical Intermediates</i> , 2018, 44, 3823-3833.	1.3	14
296	Effect of Accelerated High Temperature on Oxidation and Polymerization of Biodiesel from Vegetable Oils. <i>Energies</i> , 2018, 11, 3514.	1.6	14
297	Study on the contribution ratios of particulate matter emissions in differential provinces concerning condensable particulate matter. <i>Energy and Environment</i> , 2019, 30, 1206-1218.	2.7	14
298	Degradation behaviors of naproxen by a hybrid TiO <sub>2</sub> photocatalyst system with process components. <i>Science of the Total Environment</i> , 2020, 708, 135216.	3.9	14
299	Use of steel slag as a catalyst in CO <sub>2</sub> -cofeeding pyrolysis of pine sawdust. <i>Journal of Hazardous Materials</i> , 2020, 392, 122275.	6.5	14
300	In-situ catalytic co-pyrolysis of kukersite oil shale with black pine wood over acid zeolites. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 155, 105050.	2.6	14
301	Characterization and Thermal Behavior Study of Biomass from Invasive <i>Acacia mangium</i> Species in Brunei Preceding Thermochemical Conversion. <i>Sustainability</i> , 2021, 13, 5249.	1.6	14
302	Treatment of phenol wastewater using nitrogen-doped magnetic mesoporous hollow carbon. <i>Chemosphere</i> , 2021, 271, 129595.	4.2	14
303	Direct conversion of lignin to high-quality biofuels by carbon dioxide-assisted hydrolysis combined with transfer hydrogenolysis over supported ruthenium catalysts. <i>Energy Conversion and Management</i> , 2022, 261, 115607.	4.4	14
304	Selective catalytic reduction of NO <sub>x</sub> using RDF char and municipal solid waste char based catalyst. <i>Journal of Material Cycles and Waste Management</i> , 2011, 13, 173-179.	1.6	13
305	Butanol Dehydration over V <sub>2</sub> O <sub>5</sub> -TiO <sub>2</sub> /MCM-41 Catalysts Prepared via Liquid Phase Atomic Layer Deposition. <i>Materials</i> , 2013, 6, 1718-1729.	1.3	13
306	Contribution of Dissolved Oxygen to Methyl Orange Decomposition by Liquid Phase Plasma Processes System. <i>Ozone: Science and Engineering</i> , 2014, 36, 244-248.	1.4	13

#	ARTICLE	IF	CITATIONS
307	Facile precipitation of tin oxide nanoparticles on graphene sheet by liquid phase plasma method for enhanced electrochemical properties. Korean Journal of Chemical Engineering, 2018, 35, 750-756.	1.2	13
308	Increased Aromatics Formation by the Use of High-Density Polyethylene on the Catalytic Pyrolysis of Mandarin Peel over HY and HZSM-5. Catalysts, 2018, 8, 656.	1.6	13
309	Livestock manure valorization to biochemicals and energy using CO <sub>2</sub> : A case study of goat excreta. Journal of CO <sub>2</sub> Utilization, 2019, 30, 107-111.	3.3	13
310	Comparison studies on pore development mechanisms of activated hard carbons from polymeric resins and their applications for electrode materials. Renewable Energy, 2019, 144, 116-122.	4.3	13
311	Using low carbon footprint high-pressure carbon dioxide in bioconversion of aspen branch waste for sustainable bioethanol production. Bioresource Technology, 2020, 313, 123675.	4.8	13
312	Recycling of a spent alkaline battery as a catalyst for the total oxidation of hydrocarbons. Journal of Hazardous Materials, 2021, 403, 123929.	6.5	13
313	Biodiesel production from jatropha seeds with bead-type heterogeneous catalyst. Korean Journal of Chemical Engineering, 2021, 38, 763-770.	1.2	13
314	Development of highly efficient solid acid catalysts supported on mesoporous KIT-6 for esterification of oleic acid. Korean Journal of Chemical Engineering, 2021, 38, 966-974.	1.2	13
315	Bimetallic $\text{Ni-Re}$ catalysts for the efficient hydrodeoxygenation of biomass-derived phenols. International Journal of Energy Research, 2021, 45, 16349-16361.	2.2	13
316	Castor Leaves-Based Biochar for Adsorption of Safranin from Textile Wastewater. Sustainability, 2021, 13, 6926.	1.6	13
317	Catalytic degradation of high-density polyethylene over SAPO-34 synthesized with various templates. Korean Journal of Chemical Engineering, 2010, 27, 1768-1772.	1.2	12
318	Characterization of Bimetallic Fe-Ru Oxide Nanoparticles Prepared by Liquid-Phase Plasma Method. Nanoscale Research Letters, 2016, 11, 344.	3.1	12
319	Catalytic Pyrolysis of Organosolv and Klason Lignin Over Al-SBA-15. Journal of Nanoscience and Nanotechnology, 2018, 18, 1423-1426.	0.9	12
320	Acetaldehyde removal and increased H <sub>2</sub> /CO gas yield from biomass gasification over metal-loaded Kraft lignin char catalyst. Journal of Environmental Management, 2019, 232, 330-335.	3.8	12
321	Valorization of Phytoremediation Byproduct via Synthesis of Biodiesel from Cockspur Grass ( <i>Echinochloa crus-galli</i> ) Seed. ACS Sustainable Chemistry and Engineering, 2020, 8, 11588-11595.	3.2	12
322	Effect of the two-stage process comprised of ether extraction and supercritical hydrodeoxygenation on pyrolysis oil upgrading. Chemical Engineering Journal, 2021, 404, 126531.	6.6	12
323	Development of PM <sub>10</sub> and PM <sub>2.5</sub> cyclones for small sampling ports at stationary sources: Numerical and experimental study. Environmental Research, 2021, 193, 110507.	3.7	12
324	Catalytic pyrolysis of plastics derived from end-of-life vehicles (ELVs) under the CO <sub>2</sub> environment. International Journal of Energy Research, 2021, 45, 16781-16793.	2.2	12

#	ARTICLE	IF	CITATIONS
325	Valorization of furniture industry-processed residue via catalytic pyrolysis with methane. Energy Conversion and Management, 2022, 261, 115652.	4.4	12
326	Enhancement of bioaromatics production from food waste through catalytic pyrolysis over Zn and Mo-loaded HZSM-5 under an environment of decomposed methane. Chemical Engineering Journal, 2022, 446, 137215.	6.6	12
327	Catalytic degradation of polyethylene over ferrierite. Research on Chemical Intermediates, 2008, 34, 727-735.	1.3	11
328	Synthesis of highly ordered mesoporous CeO <sub>2</sub> and low temperature CO oxidation over Pd/mesoporous CeO <sub>2</sub> . Research on Chemical Intermediates, 2011, 37, 1181-1192.	1.3	11
329	Selective hydroisomerization of n-dodecane over platinum supported on zeolites. Research on Chemical Intermediates, 2011, 37, 1215-1223.	1.3	11
330	Pyrolysis of an LDPE-LLDPE-EVA copolymer mixture over various mesoporous catalysts. Korean Journal of Chemical Engineering, 2012, 29, 196-200.	1.2	11
331	Application of Recycled Zero-Valent Iron Nanoparticle to the Treatment of Wastewater Containing Nitrobenzene. Journal of Nanomaterials, 2015, 2015, 1-8.	1.5	11
332	Effect of the surfactant on size of nickel nanoparticles generated by liquid-phase plasma method. International Journal of Precision Engineering and Manufacturing, 2015, 16, 1305-1310.	1.1	11
333	Highly Selective Catalytic Properties of HZSM-5 Zeolite in the Synthesis of Acetyl Triethyl Citrate by the Acetylation of Triethyl Citrate with Acetic Anhydride. Catalysts, 2017, 7, 321.	1.6	11
334	Catalytic copyrolysis of cork oak and bio-oil distillation residue. Applied Surface Science, 2018, 429, 95-101.	3.1	11
335	Catalytic Co-Pyrolysis of Kraft Lignin with Refuse-Derived Fuels Using Ni-Loaded ZSM-5 Type Catalysts. Catalysts, 2018, 8, 506.	1.6	11
336	Heterogeneous photocatalytic degradation and hydrogen evolution from ethanolamine nuclear wastewater by a liquid phase plasma process. Science of the Total Environment, 2019, 676, 190-196.	3.9	11
337	Continuous-flow production of petroleum-replacing fuels from highly viscous Kraft lignin pyrolysis oil using its hydrocracked oil as a solvent. Energy Conversion and Management, 2020, 213, 112728.	4.4	11
338	Investigation of the activity and selectivity of supported rhenium catalysts for the hydrodeoxygenation of 2-methoxyphenol. Catalysis Today, 2021, 375, 164-173.	2.2	11
339	Investigation of the thermodynamic performance of an existing steam power plant via energy and exergy analyses to restrain the environmental repercussions: A simulation study. Environmental Engineering Research, 2022, 27, 200683-0.	1.5	11
340	Enhanced degradation of ultra-violet stabilizer Bis(4-hydroxy)benzophenone using oxone catalyzed by hexagonal nanoplate-assembled CoS 3-dimensional cluster. Chemosphere, 2021, 288, 132427.	4.2	11
341	Fast pyrolysis of Medium-Density Fiberboard Using a Fluidized Bed Reactor. Applied Chemistry for Engineering, 2013, 24, 672-675.	0.2	11
342	Photocatalytic hydrogen production using liquid phase plasma from ammonia water over metal ion-doped TiO <sub>2</sub> photocatalysts. Catalysis Today, 2022, 397-399, 165-172.	2.2	11

#	ARTICLE	IF	CITATIONS
343	MgO-modified activated biochar for biojet fuels from pyrolysis of sawdust on a simple tandem micro-pyrolyzer. Bioresource Technology, 2022, 359, 127500.	4.8	11
344	Membrane/PSA Hybrid Process for Carbon Dioxide Recovery at Low Concentration. Studies in Surface Science and Catalysis, 2004, 153, 543-546.	1.5	10
345	Development of adsorption buffer and pressure swing adsorption (PSA) unit for gasoline vapor recovery. Korean Journal of Chemical Engineering, 2004, 21, 676-679.	1.2	10
346	Catalytic pyrolysis of waste wood chip over mesoporous materials using Py-GC/MS. Research on Chemical Intermediates, 2011, 37, 1355-1361.	1.3	10
347	Biodiesel Production via the Transesterification of Soybean Oil Using Waste Starfish (Asterina) Tj ETQq1 1 0.784314,rgBT /Overlock 10	1.4	10
348	Assembling a supercapacitor electrode with dual metal oxides and activated carbon using a liquid phase plasma. Journal of Environmental Management, 2017, 203, 880-887.	3.8	10
349	Activated Carbons from Thermoplastic Precursors and Their Energy Storage Applications. Nanomaterials, 2019, 9, 896.	1.9	10
350	Effect of Mg/Al <sub>2</sub> O <sub>3</sub> and Calcination Temperature on the Catalytic Decomposition of HFC-134a. Catalysts, 2019, 9, 270.	1.6	10
351	Catalytic co-conversion of Kraft lignin and linear low-density polyethylene over mesoZSM-5 and Al-SBA-15 catalysts. Catalysis Today, 2020, 355, 246-251.	2.2	10
352	Acetaldehyde oxidation under high humidity using a catalytic non-thermal plasma system over Mn-loaded Y zeolites. Materials Letters, 2020, 262, 127051.	1.3	10
353	Catalytic upgrading of Quercus Mongolica under methane environment to obtain high yield of bioaromatics. Environmental Pollution, 2021, 272, 116016.	3.7	10
354	Effect of high energy ball milling and low temperature densification of plate-like alumina powder. Powder Technology, 2021, 383, 84-92.	2.1	10
355	Production of H <sub>2</sub> - and CO-rich syngas from the CO <sub>2</sub> gasification of cow manure over (Sr/Mg)-promoted-Ni/Al <sub>2</sub> O <sub>3</sub> catalysts. International Journal of Hydrogen Energy, 2022, 47, 37218-37226.	3.8	10
356	Relationship between torrefaction severity, product properties, and pyrolysis characteristics of various biomass. International Journal of Energy Research, 2022, 46, 8145-8157.	2.2	10
357	Technical benefits of using methane as a pyrolysis medium for catalytic pyrolysis of Kraft lignin. Bioresource Technology, 2022, 353, 127131.	4.8	10
358	Catalytic pyrolysis of chicken manure over various catalysts. Fuel, 2022, 322, 124241.	3.4	10
359	Chemical compositional distribution of ethylene-1-butene copolymer prepared with heterogeneous ziegler-natta catalyst: TREF and crystaf analysis. Macromolecular Research, 2009, 17, 296-300.	1.0	9
360	Reduction of tar using cheap catalysts during sewage sludge gasification. Journal of Material Cycles and Waste Management, 2011, 13, 186-189.	1.6	9

#	ARTICLE	IF	CITATIONS
361	Catalytic Conversion of Waste Particle Board to Bio-Oil Using Nanoporous Catalyst. Journal of Nanoscience and Nanotechnology, 2012, 12, 5367-5372.	0.9	9
362	Removal of NO <sub>x</sub> at Low Temperature Over Mesoporous $\gamma$ -Mn <sub>2</sub> O <sub>3</sub> Catalyst. Journal of Nanoscience and Nanotechnology, 2014, 14, 2527-2531.	0.9	9
363	Application of Mesoporous Al-MCM-48 Material to the Conversion of Lignin. Journal of Nanoscience and Nanotechnology, 2014, 14, 2990-2995.	0.9	9
364	Effect of Liquid Phase Plasma Irradiation on Production by Photocatalytic Water Splitting over SrTiO <sub>3</sub> Photocatalysts. ChemCatChem, 2019, 11, 6451-6459.	1.8	9
365	In-Situ Catalytic Fast Pyrolysis of Pinecone over HY Catalysts. Catalysts, 2019, 9, 1034.	1.6	9
366	Emulsification characteristics of ether extracted pyrolysis-oil in diesel using various combinations of emulsifiers (Span 80, Atlox 4916 and Zephrym PD3315) in double reactor system. Environmental Research, 2020, 184, 109267.	3.7	9
367	Catalytic Pyrolysis of Cellulose over SAPO-11 Using Py-GC/MS. Bulletin of the Korean Chemical Society, 2013, 34, 2399-2402.	1.0	9
368	CO <sub>2</sub> Hydrogenation over Copper-Based Hybrid Catalysts for the Synthesis of Oxygenates. ACS Symposium Series, 2003, , 183-194.	0.5	8
369	Catalytic Pyrolysis of Wild Reed over a Zeolite-Based Waste Catalyst. Energies, 2016, 9, 201.	1.6	8
370	Catalytic copyrolysis of particle board and polypropylene over Al-MCM-48. Materials Research Bulletin, 2016, 82, 61-66.	2.7	8
371	Facile Preparation of Ni-Co Bimetallic Oxide/Activated Carbon Composites Using the Plasma in Liquid Process for Supercapacitor Electrode Applications. Nanomaterials, 2020, 10, 61.	1.9	8
372	Fabrication of Yb-doped TiO <sub>2</sub> using liquid phase plasma process and its photocatalytic degradation activity of naproxen. Journal of Materials Science, 2020, 55, 9665-9675.	1.7	8
373	High-quality oil production via the catalytic conversion of printed circuit boards. Journal of Cleaner Production, 2021, 296, 126614.	4.6	8
374	Different pyrolysis kinetics and product distribution of municipal and livestock manure sewage sludge. Environmental Pollution, 2021, 285, 117197.	3.7	8
375	Application of MCN-1 to the Adsorptive Removal of Indoor Formaldehyde. Science of Advanced Materials, 2014, 6, 1511-1515.	0.1	8
376	Catalytic removal of volatile organic compounds using black mass from spent batteries. Korean Journal of Chemical Engineering, 2022, 39, 161-166.	1.2	8
377	Preparation of Highly Dispersed Tungsten Oxide on MCM-41 via Atomic Layer Deposition and Its Application to Butanol Dehydration. Journal of Nanoscience and Nanotechnology, 2012, 12, 6074-6079.	0.9	7
378	Liquid Phase Plasma Synthesis of Iron Oxide/Carbon Composite as Dielectric Material for Capacitor. Journal of Nanomaterials, 2014, 2014, 1-6.	1.5	7



#	ARTICLE	IF	CITATIONS
379	Rapid Quantification of <i>N</i> -Methyl-2-pyrrolidone in Polymer Matrices by Thermal Desorption-GC/MS. <i>Analytical Sciences</i> , 2017, 33, 821-824.	0.8	7
380	A Hybrid Reactor System Comprised of Non-Thermal Plasma and Mn/Natural Zeolite for the Removal of Acetaldehyde from Food Waste. <i>Catalysts</i> , 2018, 8, 389.	1.6	7
381	Catalytic Pyrolysis of Municipal Plastic Film Wastes Over Nanoporous Al-MCM-41. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1078-1082.	0.9	7
382	Analysis of National PM <sub>2.5</sub> (FPM and CPM) Emissions by Past, Current, and Future Energy Mix Scenarios in the Republic of Korea. <i>Sustainability</i> , 2019, 11, 4289.	1.6	7
383	Performance Analysis of the Perhydro-Dibenzyl-Toluene Dehydrogenation System—A Simulation Study. <i>Sustainability</i> , 2021, 13, 6490.	1.6	7
384	Effect of palladium on the black mass-based catalyst prepared from spent Zn/Mn alkaline batteries for catalytic combustion of volatile organic compounds. <i>Chemosphere</i> , 2021, 276, 130209.	4.2	7
385	Cu <sup>2+</sup> ion reduction in wastewater over RDF-derived char. <i>Carbon Letters</i> , 2016, 18, 49-55.	3.3	7
386	Catalytic microwave torrefaction of microalga <i>Chlorella vulgaris</i> FSP-E with magnesium oxide optimized via taguchi approach: A thermo-energetic analysis. <i>Chemosphere</i> , 2022, 290, 133374.	4.2	7
387	Production of valuable chemicals through the catalytic pyrolysis of harmful oil sludge over metal-loaded HZSM-5 catalysts. <i>Environmental Research</i> , 2022, 214, 113911.	3.7	7
388	Calixarene Derivatives as Novel Nanopore Generators for Templates of Nanoporous Thin Films. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 369-376.	1.7	6
389	The effect of PtRuW ternary electrocatalysts on methanol oxidation reaction in direct methanol fuel cells. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 802-806.	1.2	6
390	Development of a New Wind-Blown-Dust Emission Module Using Comparative Assessment of Existing Dust Models. <i>Particulate Science and Technology</i> , 2010, 28, 267-286.	1.1	6
391	The application of Py-GC/MS for the catalytic upgrading of oil separated from summer food waste leachate. <i>Research on Chemical Intermediates</i> , 2011, 37, 1283-1291.	1.3	6
392	Reactor sizing for butane steam reforming over Ni and Ru catalysts. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 412-418.	1.2	6
393	Microporous Zeolites as Catalysts for the Preparation of Decyl Glucoside from Glucose with 1-Decanol by Direct Glucosidation. <i>Catalysts</i> , 2016, 6, 216.	1.6	6
394	In-Situ Catalytic Pyrolysis of Xylan and Dealkaline Lignin over SAPO-11. <i>Topics in Catalysis</i> , 2017, 60, 644-650.	1.3	6
395	Fast pyrolysis of waste pepper stem over waste FCC catalyst. <i>Research on Chemical Intermediates</i> , 2018, 44, 3773-3786.	1.3	6
396	Enhanced Electrochemical Performance of Carbon Nanotube with Nitrogen and Iron Using Liquid Phase Plasma Process for Supercapacitor Applications. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3830.	1.8	6

#	ARTICLE	IF	CITATIONS
397	Catalytic Copyrolysis of Cork Oak and Waste Plastic Films over HBeta. Catalysts, 2018, 8, 318.	1.6	6
398	The use of high density polyethylene (HDPE) as a co-feeding feedstock on the catalytic pyrolysis of yellow poplar over Al-MCM-48 and Al-MSU-F. Journal of Analytical and Applied Pyrolysis, 2018, 135, 390-396.	2.6	6
399	Catalytic Decomposition of an Energetic Ionic Liquid Solution over Hexaaluminate Catalysts. Catalysts, 2019, 9, 80.	1.6	6
400	Enhanced bioaromatics synthesis via catalytic co-pyrolysis of cellulose and spent coffee ground over microporous HZSM-5 and HY. Environmental Research, 2020, 184, 109311.	3.7	6
401	Strategic disposal of flood debris via CO <sub>2</sub> -assisted catalytic pyrolysis. Journal of Hazardous Materials, 2021, 412, 125242.	6.5	6
402	Biofuel Production as an Example of Virtuous Valorization of Swine Manure. ACS Sustainable Chemistry and Engineering, 2021, 9, 13761-13772.	3.2	6
403	Preparation of N and Eu doped TiO <sub>2</sub> using plasma in liquid process and its photocatalytic degradation activity for diclofenac. Korean Journal of Chemical Engineering, 2022, 39, 2080-2088.	1.2	6
404	Effect of reduction temperature on the preparation of zero-valent iron aerogels for trichloroethylene dechlorination. Korean Journal of Chemical Engineering, 2008, 25, 1377-1384.	1.2	5
405	Catalytic Conversion of 1,2-Dichlorobenzene Over Mesoporous Materials from Zeolite. Journal of Nanoscience and Nanotechnology, 2010, 10, 3639-3642.	0.9	5
406	Photodegradation of HCFC-22 Using Microwave Discharge Electrodeless Mercury Lamp with TiO <sub>2</sub> Photocatalyst Balls. Journal of Chemistry, 2014, 2014, 1-6.	0.9	5
407	On-line Analysis of Catalytic Reaction Products Using a High-Pressure Tandem Micro-reactor GC/MS. Analytical Sciences, 2017, 33, 1085-1089.	0.8	5
408	Health Risk Assessment on Hazardous Ingredients in Household Deodorizing Products. International Journal of Environmental Research and Public Health, 2018, 15, 744.	1.2	5
409	Methodology to Calculate the CO <sub>2</sub> Emission Reduction at the Coal-Fired Power Plant: CO <sub>2</sub> Capture and Utilization Applying Technology of Mineral Carbonation. Sustainability, 2020, 12, 7402.	1.6	5
410	Assessing the photocatalytic activity of europium doped TiO <sub>2</sub> using liquid phase plasma process on acetylsalicylic acid. Catalysis Today, 2020, , .	2.2	5
411	Ex-situ Catalytic Pyrolysis of Korean Native Oak Tree over Microporous Zeolites. Applied Chemistry for Engineering, 2016, 27, 407-414.	0.2	5
412	PM Management Methods Considering Condensable PM Emissions from Stationary Sources in Seoul and Incheon. Journal of Korean Society for Atmospheric Environment, 2017, 33, 319-325.	0.2	5
413	Kinetic Analysis for the Catalytic Pyrolysis of Polypropylene over Low Cost Mineral Catalysts. Sustainability, 2021, 13, 13386.	1.6	5
414	Hydrogen Production through Catalytic Water Splitting Using Liquid-Phase Plasma over Bismuth Ferrite Catalyst. International Journal of Molecular Sciences, 2021, 22, 13591.	1.8	5



#	ARTICLE	IF	CITATIONS
415	Deoxydesulfurization of dibenzothiophene sulfone over cesium/MCM-41 catalysts. Research on Chemical Intermediates, 2010, 36, 669-676.	1.3	4
416	Cyclodextrin-modified MCM-41 for selective double bond migration. Research on Chemical Intermediates, 2010, 36, 661-667.	1.3	4
417	Catalytic Pyrolysis of Oil Fractions Separated from Food Waste Leachate Over Nanoporous Acid Catalysts. Journal of Nanoscience and Nanotechnology, 2011, 11, 6167-6171.	0.9	4
418	Utilization of a By-Product Produced from Oxidative Desulfurization Process Over Cs-Mesoporous Silica Catalysts. Journal of Nanoscience and Nanotechnology, 2011, 11, 1706-1709.	0.9	4
419	Catalytic Upgrading of Xylan Over Mesoporous Y Catalyst. Journal of Nanoscience and Nanotechnology, 2014, 14, 2925-2930.	0.9	4
420	Oligomerization of endo-dicyclopentadiene using a mesoporous catalyst in a fixed-bed reactor. Research on Chemical Intermediates, 2016, 42, 47-55.	1.3	4
421	Oligomerization of Butene Mixture over NiO/Mesoporous Aluminosilicate Catalyst. Catalysts, 2018, 8, 456.	1.6	4
422	Removal of Food Waste Odor Using Nanoporous Carbon Adsorbents. Journal of Nanoscience and Nanotechnology, 2018, 18, 1492-1494.	0.9	4
423	Ring Enlargement of Methylcyclopentane over Pt/(HZSM-48+pseudoboehmite) Catalysts. Catalysts, 2019, 9, 531.	1.6	4
424	Catalytic Performance of Supported Pd Catalyst Prepared with Different Palladium Precursors for Catalytic Combustion of BTH. Journal of Nanoscience and Nanotechnology, 2019, 19, 1208-1212.	0.9	4
425	Effects of Sulfuric Acid Treatment on the Performance of Ga-Al <sub>2</sub> O <sub>3</sub> for the Hydrolytic Decomposition of 1,1,1,2-Tetrafluoroethane (HFC-134a). Catalysts, 2020, 10, 766.	1.6	4
426	Decomposition of naproxen by plasma in liquid process with TiO <sub>2</sub> photocatalysts and hydrogen peroxide. Environmental Research, 2021, 195, 110899.	3.7	4
427	Ozone-assisted oxidation of methyl ethyl ketone over mesoporous MnOx/Î³-Al <sub>2</sub> O <sub>3</sub> catalysts. Materials Letters, 2021, 299, 130105.	1.3	4
428	Catalytic Gasification of Mandarin Waste Residue using Ni/CeO <sub>2</sub> -ZrO <sub>2</sub> . Bulletin of the Korean Chemical Society, 2013, 34, 3387-3390.	1.0	4
429	Adsorption Performance of Basic Gas over Pellet-type Adsorbents Prepared from Water Treatment Sludge. Korean Chemical Engineering Research, 2013, 51, 352-357.	0.2	4
430	Upgrading spent battery separator into syngas and hydrocarbons through CO <sub>2</sub> -Assisted thermochemical platform. Energy, 2022, 242, 122552.	4.5	4
431	Simultaneous synthesis of aniline and Î³-butyrolactone from nitrobenzene and 1,4-butanediol over Cu-CoOx-MgO catalyst via catalytic hydrogen transfer process: Effect of calcination temperature. Catalysis Today, 2022, 397-399, 28-36.	2.2	4
432	Reactor design of methanol steam reforming by evolutionary computation and hydrogen production maximization by machine learning. International Journal of Energy Research, 2022, 46, 20685-20703.	2.2	4

#	ARTICLE	IF	CITATIONS
433	Effect of Isotherm Selection on Performance Prediction of CO <sub>2</sub> PSA Process. <i>Studies in Surface Science and Catalysis</i> , 2004, 153, 547-550.	1.5	3
434	The promotion effect of catalytic activity by Ru substitution at the B site of La <sub>1-x</sub> Sr <sub>x</sub> Cr <sub>1-y</sub> Ru <sub>y</sub> O <sub>3-z</sub> for propane steam reforming. <i>Research on Chemical Intermediates</i> , 2011, 37, 1313-1324.	1.3	3
435	Analytical Expression on Characteristic Time Scale of Black Carbon Aging due to Condensation of Hygroscopic Species. <i>Aerosol Science and Technology</i> , 2012, 46, 601-609.	1.5	3
436	Catalytic Characteristics of Titanium Oxide/MCM-41 Synthesized by Liquid Phase Atomic Layer Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 1988-1992.	0.9	3
437	Estimation of Threshold Friction Velocity Using a Physical Parameterization Over the Asian Dust Source Region. <i>Particulate Science and Technology</i> , 2013, 31, 119-127.	1.1	3
438	Catalytic Co-Pyrolysis of Waste Particle Board and Polypropylene Over Nanoporous Al-MCM-41 Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8489-8494.	0.9	3
439	Catalytic Rapid Pyrolysis of <i>Quercus variabilis</i> over Nanoporous Catalysts. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-6.	1.5	3
440	Catalytic Hydrodeoxygenation of Bio-Oils Derived from Pyrolysis of Cork Oak Using Supercritical Ethanol. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2674-2677.	0.9	3
441	Hydrodeoxygenation of Pyrolysis Bio-Oil Over Ni Impregnated Mesoporous Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1331-1335.	0.9	3
442	Decyl Glucoside Synthesized by Direct Glucosidation of D-Glucose Over Zeolite Catalysts and Its Estrogenicity as Non-Endocrine Disruptive Surfactant. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1172-1175.	0.9	3
443	Catalytic Hydrodeoxygenation of Cork Oak Pyrolysis Oil Over Ni/Al-MCM-41. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1158-1161.	0.9	3
444	Assessment of Degradation Behavior for Acetylsalicylic Acid Using a Plasma in Liquid Process. <i>Catalysts</i> , 2019, 9, 965.	1.6	3
445	Survey of perfluorinated compounds in consumer products by liquid chromatography-tandem mass spectrometry. <i>Energy and Environment</i> , 2020, 31, 713-729.	2.7	3
446	Estimation, and Framework Proposal of Greenhouse Gas Emissions of Fluorinated Substitutes for Ozone-Depleting Substances by Application Area in the Republic of Korea. <i>Sustainability</i> , 2020, 12, 6355.	1.6	3
447	Effective reduction plan for greenhouse gas inventories of local governments. <i>Energy and Environment</i> , 2021, 32, 62-74.	2.7	3
448	A comprehensive numerical design of firefighting systems for onshore petroleum installations. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1768-1780.	1.2	3
449	Catalytic Oxidation of Toluene with Ozone Over the Ru-Mn/Desilicated Nanoporous H-Zeolite Socony Mobil-5 at Room Temperature. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 3868-3871.	0.9	3
450	Upgrading of sulfur-containing biogas into high quality fuel via oxidative coupling of methane. <i>International Journal of Energy Research</i> , 2021, 45, 19363.	2.2	3

#	ARTICLE	IF	CITATIONS
451	<scp>Ex&Ecirc;itu</scp> catalytic fast pyrolysis of <scp>low&Ecirc;rank</scp> coal over <scp>HZSM</scp> &Ecirc;5 and modified Mg/ <scp>HZSM</scp> &Ecirc;5 catalysts. International Journal of Energy Research, 2022, 46, 891-899.	2.2	3
452	Effect of desilication of HZSM-5 on the catalytic pyrolysis of polystyrene. Materials Letters, 2021, 300, 130107.	1.3	3
453	Suppression of the hazardous substances in catalytically upgraded bio-heavy oil as a precautions measure for clean air pollution controls. Journal of Hazardous Materials, 2022, 421, 126732.	6.5	3
454	The effect of dispersant characteristics on the De-NOx efficiency of SCR catalyst. Energy and Environment, 2023, 34, 2031-2043.	2.7	3
455	Effects of dual initiators and catalytic additives on atom transfer radical polymerization of styrene. Research on Chemical Intermediates, 2011, 37, 1257-1265.	1.3	2
456	Development of a Moment Model for Condensational Obliteration of Nanoparticle Aggregates. Journal of Nanoscience and Nanotechnology, 2013, 13, 2008-2011.	0.9	2
457	Pyrolysis of Suncheon-Bay wild reed over zeolite catalysts. Journal of Renewable and Sustainable Energy, 2014, 6, 042002.	0.8	2
458	Hydroisomerization of n-Dodecane Over Pt/Al-MCM-48 Catalysts. Journal of Nanoscience and Nanotechnology, 2014, 14, 3112-3116.	0.9	2
459	Hydrougrading of Bio-Oil Over PtMg/KIT-6 Catalysts. Journal of Nanoscience and Nanotechnology, 2019, 19, 1126-1129.	0.9	2
460	Facile Synthesis of Chromium Oxide on Activated Carbon Electrodes for Electrochemical Capacitor Application. Journal of Nanoscience and Nanotechnology, 2019, 19, 1078-1081.	0.9	2
461	Economic feasibility through the optimal capacity calculation model of an energy storage system connected to solar power generator. Energy and Environment, 2020, 31, 860-869.	2.7	2
462	Catalytic hydrodeoxygenation for upgrading of lignin-derived bio-oils. , 2021, , 129-145.		2
463	Nanoporous Alumina Membranes for Sugar Industry: An Investigation of Sintering Parameters Influence on Ultrafiltration Performance. Sustainability, 2021, 13, 7593.	1.6	2
464	Reaction Characteristics of NOx and N2O in Selective Non-Catalytic Reduction Using Various Reducing Agents and Additives. Atmosphere, 2021, 12, 1175.	1.0	2
465	Catalytic Pyrolysis of &lt;I&gt;Robinia pseudoacacia&lt;/I&gt; Over Mesoporous Materials Produced from Zeolite HBeta. Nanoscience and Nanotechnology Letters, 2016, 8, 340-344.	0.4	2
466	Hydrocarbons Production from m-Cresol as a Lignin Model Compound Over Nickel Silicate Catalysts. Journal of Nanoscience and Nanotechnology, 2020, 20, 5738-5741.	0.9	2
467	Chemical Feedstock Recovery via the Pyrolysis of Electronically Heated Tobacco Wastes. Sustainability, 2021, 13, 12856.	1.6	2
468	Evaluation of the solar thermal storage of fluidized bed materials for hybrid solar thermo-chemical processes. Biomass Conversion and Biorefinery, 0, , .	2.9	2

#	ARTICLE	IF	CITATIONS
469	A novel microwave air heater integrated with thermal energy storage. International Journal of Energy Research, 0, , .	2.2	2
470	Preparation and Characterization of Silver-Iron Bimetallic Nanoparticles on Activated Carbon Using Plasma in Liquid Process. Nanomaterials, 2021, 11, 3385.	1.9	2
471	Simulation of Coagulation and Sintering of Nano-Structured Particles Using the Moment Method. Journal of Nanoscience and Nanotechnology, 2011, 11, 1664-1667.	0.9	1
472	Hydroconversion of $n$ -Dodecane Over Nanoporous Catalysts. Journal of Nanoscience and Nanotechnology, 2013, 13, 714-717.	0.9	1
473	Photocatalytic Activity of Hierarchically Structured TiO <sub>2</sub> Films Synthesized by Chemical Vapor Deposition. International Journal of Photoenergy, 2014, 2014, 1-7.	1.4	1
474	Precipitation of Manganese and Nickel Nanoparticles on an Activated Carbon Powder for Electrochemical Capacitor Applications. Journal of Nanoscience and Nanotechnology, 2016, 16, 11460-11464.	0.9	1
475	Precipitation of Tin Oxide Nanoparticles on Graphene Sheets Using a Liquid Phase Plasma Process. Journal of Nanoscience and Nanotechnology, 2017, 17, 4288-4291.	0.9	1
476	Catalytic Pyrolysis of Korean Pine (Pinus koraiensis) Nut Shell Over Mesoporous Al <sub>2</sub> O <sub>3</sub> . Journal of Nanoscience and Nanotechnology, 2018, 18, 1351-1355.	0.9	1
477	Preparation and Characterization of Bimetallic Fe-Ni Oxide Nanoparticles Using Liquid Phase Plasma Process. Journal of Nanoscience and Nanotechnology, 2019, 19, 2362-2365.	0.9	1
478	In-Situ Upgrading of Organosolv Lignin- and Cellulose-Derived Pyrolyzates Over Ce-MCM-41 Catalyst. Journal of Nanoscience and Nanotechnology, 2019, 19, 1162-1165.	0.9	1
479	Complete Oxidation of Volatile Organic Compounds Over Spent Vanadium-Based Catalyst. Journal of Nanoscience and Nanotechnology, 2020, 20, 5671-5675.	0.9	1
480	Exploiting starfish in pyrolysis for the enhanced generation of syngas and CO <sub>2</sub> -looping agent. Journal of Cleaner Production, 2020, 276, 123228.	4.6	1
481	Comparative study of greenhouse gas emissions between national government and local governments in Korea. Energy and Environment, 2020, 31, 1403-1415.	2.7	1
482	Performance of platinum doping on spent alkaline battery-based catalyst for complete oxidation of o-xylene. Environmental Science and Pollution Research, 2021, 28, 24552-24557.	2.7	1
483	In-Situ Catalytic Gasification of Rice Hull Using Municipal Solid Waste Incineration Bottom Ash. Journal of Nanoscience and Nanotechnology, 2021, 21, 3764-3768.	0.9	1
484	Removal of Cr by Modified Biochar Derived from Corn Husk. Journal of Nanoscience and Nanotechnology, 2021, 21, 3965-3970.	0.9	1
485	Acetaldehyde Adsorption Characteristics of Ag/ACF Composite Prepared by Liquid Phase Plasma Method. Nanomaterials, 2021, 11, 2344.	1.9	1
486	Hydrolysis Reaction and Amorphization of Ce-Ti Oxide Catalysts During Synthesis. Journal of Nanoscience and Nanotechnology, 2021, 21, 4931-4935.	0.9	1

#	ARTICLE	IF	CITATIONS
487	Catalytic Upgrading of Geodae-Uksae 1 over Mesoporous MCM-48 Catalysts. Bulletin of the Korean Chemical Society, 2014, 35, 1951-1955.	1.0	1
488	Catalytic Pyrolysis of Polyethylene Terephthalate Over Desilicated Beta. Journal of Nanoscience and Nanotechnology, 2020, 20, 5594-5598.	0.9	1
489	Management status and policy direction of submerged marine debris for improvement of port environment in Korea. Open Geosciences, 2022, 14, 443-452.	0.6	1
490	Catalytic degradation of high density polyethylene over post grafted MCM-41 catalyst: kinetic study. Studies in Surface Science and Catalysis, 2006, 159, 437-440.	1.5	0
491	Application of Ferrierite Catalyst to Polyolefin Degradation. Studies in Surface Science and Catalysis, 2006, 159, 317-320.	1.5	0
492	Relative Impacts of Sintering and Condensational Obliteration on Nanoparticle Structure. Journal of Nanoscience and Nanotechnology, 2011, 11, 7467-7470.	0.9	0
493	Catalytic Pyrolysis of Waste Mandarin Over Nanoporous Materials. Journal of Nanoscience and Nanotechnology, 2013, 13, 718-721.	0.9	0
494	Effects of Acid Characteristics of Nanoporous MCM-48 on the Pyrolysis Product Distribution of Waste Pepper Stem. Journal of Nanomaterials, 2014, 2014, 1-5.	1.5	0
495	2-Butanol Dehydration over Highly Dispersed Molybdenum Oxide/MCM-41 Catalysts. Bulletin of the Korean Chemical Society, 2015, 36, 1974-1979.	1.0	0
496	Facile Synthesis and Characterization of Zinc Oxide Nanoparticle on Activated Carbon Using Liquid Phase Plasma Method. Journal of Nanoscience and Nanotechnology, 2018, 18, 2181-2184.	0.9	0
497	Estrogenicity of Octyl Glucoside Synthesized by Direct Glucosidation as Non-Endocrine Disruptive Surfactant. Journal of Nanoscience and Nanotechnology, 2018, 18, 1478-1481.	0.9	0
498	Precipitation of Nickel Oxide on TiO <sub>2</sub> Photocatalysts for Enhanced Visible Degradation Activity. Journal of Nanoscience and Nanotechnology, 2018, 18, 1279-1282.	0.9	0
499	Characterization of Pt-Based Catalyst by Consecutive Experiments of Toluene Oxidation. Journal of Nanoscience and Nanotechnology, 2018, 18, 1487-1491.	0.9	0
500	H <sub>2</sub> Production from Yellow Poplar Gasification Over Ni/Spent FCC. Journal of Nanoscience and Nanotechnology, 2019, 19, 1133-1136.	0.9	0
501	In-Situ Catalytic Pyrolysis of Waste Lignin Over Desilicated Beta. Journal of Nanoscience and Nanotechnology, 2019, 19, 1074-1077.	0.9	0
502	Effect of calcination temperature on properties of waste alkaline battery-based catalysts for deep oxidation of toluene and o-xylene. Energy and Environment, 2021, 32, 367-379.	2.7	0
503	Conversion of Multicyclic Hydrocarbons to Mono-Aromatic Hydrocarbons Over CoMo/Zelite Socony Mobil-5 Catalysts. Journal of Nanoscience and Nanotechnology, 2021, 21, 3819-3823.	0.9	0
504	The Use of Low Cost Nanoporous Catalysts on the Catalytic Pyrolysis of Polyethylene Terephthalate. Journal of Nanoscience and Nanotechnology, 2021, 21, 4121-4124.	0.9	0

#	ARTICLE	IF	CITATIONS
505	Catalytic Performance of Supported Bimetallic Catalysts for Complete Oxidation of Toluene. Journal of Nanoscience and Nanotechnology, 2021, 21, 4060-4066.	0.9	0
506	Emulsification of Catalytic Pyrolysis Oil from Nanoporous Zeolite Socony Mobil-5 with Diesel Using a Range of Emulsifiers in an Ultrasonicator. Journal of Nanoscience and Nanotechnology, 2021, 21, 3955-3959.	0.9	0
507	Catalytic Pyrolysis of Waste Achyranthes Root Over Al-MCM-41. Journal of Nanoscience and Nanotechnology, 2021, 21, 4081-4084.	0.9	0
508	Kinetic Analysis for the Catalytic Pyrolysis of Wood Plastic Composite Over Al-MCM-41. Journal of Nanoscience and Nanotechnology, 2021, 21, 3872-3876.	0.9	0
509	Catalytic Pyrolysis of Seawater Aged Polypropylene Over HZSM-5, HY, and Al-MCM-41. Journal of Nanoscience and Nanotechnology, 2021, 21, 3971-3974.	0.9	0
510	Hydrogenation of Ethylbenzene Over Ru/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalyst in Trickle-Bed Reactor. Journal of Nanoscience and Nanotechnology, 2021, 21, 4116-4120.	0.9	0
511	The effect of NaOH treatment of rice husk on its catalytic fast pyrolysis under decomposed methane for the production of aromatics. Catalysis Today, 2021, , .	2.2	0
512	10.2478/s11814-009-0344-y. , 2011, 27, 73.		0
513	Catalytic Pyrolysis of Geodae-Uksae 1 Over Mesoporous Materials Produced from Zeolite HBeta. Journal of Nanoscience and Nanotechnology, 2017, 17, 8260-8264.	0.9	0
514	Catalytic Decomposition of an Ionic Liquid Monopropellant Over Ir/Hexaaluminate Catalysts. Journal of Nanoscience and Nanotechnology, 2019, 19, 7906-7910.	0.9	0
515	Fabrication of Molybdenum Oxide/Activated Carbon Using Liquid Phase Plasma Reaction and Its Electrochemical Performance. Journal of Nanoscience and Nanotechnology, 2020, 20, 5579-5582.	0.9	0
516	Coupling of nitrobenzene hydrogenation and 1, 4-butanediol dehydrogenation for the simultaneous synthesis of aniline and $\gamma$ -butyrolactone over copper-based catalysts. Korean Journal of Chemical Engineering, 0, , 1.	1.2	0
517	Atmospheric Hydrodeoxygenation of Anisole to Hydrocarbons Over Ni Supported on Mesoporous Silica. Journal of Nanoscience and Nanotechnology, 2020, 20, 5734-5737.	0.9	0
518	Yellow Poplar Gasification Over Ni Silicate and Ni/Silica. Journal of Nanoscience and Nanotechnology, 2020, 20, 5667-5670.	0.9	0
519	Ultrasound Process-Enhanced Removal of the Toxic Disinfection By-product Bromate from Water by Aluminum: A Comparative Study. Water Environment Research, 2022, 94, e10720.	1.3	0