

Young-Kwon Park

List of PR Articles by Year in descending order

Source: [//exaly.com/author-pdf/3482750/publications.pdf](https://exaly.com/author-pdf/3482750/publications.pdf)

Version: 2025-02-01

525

PR articles

20,764

PR citations

6266

70

PR h-index

6788

139

g-index

540

documents

22685

doc citations

7690

73

h-index

15750

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Effective regeneration of deactivated Raney-Ni catalyst during multiphase hydrogenation of vegetable oil. <i>Energy and Environment</i> , 2025, 36, 3087-3100.	4.5	3
2	A review on catalysts of biodiesel (methyl esters) production. <i>Catalysis Reviews - Science and Engineering</i> , 2024, 66, 1084-1136.	12.2	33
3	A critical review on the effective utilization of geothermal energy. <i>Energy and Environment</i> , 2024, 35, 438-457.	4.5	12
4	Upcycling of plastic and tire waste toward use as modifier for asphalt binder. <i>Energy and Environment</i> , 2024, 35, 510-524.	4.5	14
5	Catalytic pyrolysis of harmful plastic waste to alleviate environmental impacts. <i>Environmental Pollution</i> , 2024, 343, 123198.	7.8	13
6	Review on metallic nanoparticles induced toxicity on renal function and overall health of kidneys. <i>Environmental Engineering Research</i> , 2024, 29, 230549-0.	2.7	2
7	Production of Valuable Aromatics from the Hydrodeoxygenation of Guaiacol and Real Bio-Oil over Ni ²⁺ /HZSM-5 under Supercritical Ethanol. <i>ACS Sustainable Chemistry and Engineering</i> , 2024, 12, 10786-10804.	6.9	11
8	Recent advances in wide solar spectrum active WO ₃ -based photocatalysts for energy and environmental applications. <i>Catalysis Reviews - Science and Engineering</i> , 2023, 65, 1521-1566.	12.2	26
9	The effect of dispersant characteristics on the De-NO _x efficiency of SCR catalyst. <i>Energy and Environment</i> , 2023, 34, 2031-2043.	4.5	5
10	Investigation on the Beneficiation of Fluorite-ore using a mixture of Oleic acid and Palmitic acid via Froth Flotation. <i>Environmental Engineering Research</i> , 2023, , .	2.7	0
11	Hepatotoxicity induced by metallic nanoparticles at the cellular level: A review. <i>Environmental Engineering Research</i> , 2023, 28, 220625-0.	2.7	10
12	Valorization of lignocellulosic rice husk producing biosilica and biofuels—a review. <i>JPhys Energy</i> , 2023, 5, 012003.	4.8	16
13	State-of-the-art catalysts for clean fuel (methyl esters) production—a comprehensive review. <i>JPhys Energy</i> , 2023, 5, 014005.	4.8	13
14	Physico-chemical, Thermal and Micro-structural Characterization of Four Common Banana Pseudo-Stem Fiber Cultivars in Nigeria. <i>Journal of Natural Fibers</i> , 2023, 20, .	3.4	18
15	Optimization of the Factors Influencing Biodegradation and Thermal Stability of Banana Pseudo Stem Fibers in Nigeria. <i>Journal of Natural Fibers</i> , 2023, 20, .	3.4	9
16	Spent coffee ground torrefaction for waste remediation and valorization. <i>Environmental Pollution</i> , 2023, 324, 121330.	7.8	24
17	Unearthing the potential sustainability of cellulose and exploring its source, fate, and recovery. <i>Environmental Engineering Research</i> , 2023, 28, 230054-0.	2.7	3
18	Assessing the photocatalytic activity of europium doped TiO ₂ using liquid phase plasma process on acetylsalicylic acid. <i>Catalysis Today</i> , 2022, 388-389, 365-371.	4.7	11

#	ARTICLE	IF	PR CITATIONS
19	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.	2.7	11
20	Ex situ catalytic fast pyrolysis of low-rank coal over HZSM-5 and modified Mg/	4.3	6
21	The effect of NaOH treatment of rice husk on its catalytic fast pyrolysis under decomposed methane for the production of aromatics. Catalysis Today, 2022, 397-399, 272-277.	4.7	5
22	Enhanced degradation of ultra-violet stabilizer Bis(4-hydroxy)benzophenone using oxone catalyzed by hexagonal nanoplate-assembled CoS 3-dimensional cluster. Chemosphere, 2022, 288, 132427.	8.3	16
23	Valorization of hazardous COVID-19 mask waste while minimizing hazardous byproducts using catalytic gasification. Journal of Hazardous Materials, 2022, 423, 127222.	12.5	47
24	Microalgal-based biochar in wastewater remediation: Its synthesis, characterization and applications. Environmental Research, 2022, 204, 111966.	7.9	144
25	Hydrogen-rich gas production via steam gasification of food waste over basic oxides (MgO/CaO/SrO) promoted-Ni/Al ₂ O ₃ catalysts. Chemosphere, 2022, 287, 132224.	8.3	34
26	Suppression of the hazardous substances in catalytically upgraded bio-heavy oil as a precautionary measure for clean air pollution controls. Journal of Hazardous Materials, 2022, 421, 126732.	12.5	5
27	Microwave co-pyrolysis for simultaneous disposal of environmentally hazardous hospital plastic waste, lignocellulosic, and triglyceride biowaste. Journal of Hazardous Materials, 2022, 423, 127096.	12.5	53
28	Mini review on H ₂ production from electrochemical water splitting according to special nanostructured morphology of electrocatalysts. Fuel, 2022, 308, 122048.	7.5	153
29	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/Al ₂ O ₃ for CO ₂ methanation. Chemical Engineering Journal, 2022, 428, 131393.	12.0	53
30	Progress in thermochemical conversion of aquatic weeds in shellfish aquaculture for biofuel generation: Technical and economic perspectives. Bioresource Technology, 2022, 344, 126202.	9.7	29
31	Recent advances of thermochemical conversion processes for biorefinery. Bioresource Technology, 2022, 343, 126109.	9.7	225
32	Increased aromatics production by co-feeding waste oil sludge to the catalytic pyrolysis of cellulose. Energy, 2022, 239, 122331.	9.1	25
33	Upgrading spent battery separator into syngas and hydrocarbons through CO ₂ -Assisted thermochemical platform. Energy, 2022, 242, 122552.	9.1	5
34	Recent advancements on the sustainable biochar based semiconducting materials for photocatalytic applications: A state of the art review. Journal of Cleaner Production, 2022, 330, 129899.	9.7	112
35	Biohydrogen production from furniture waste via catalytic gasification in air over Ni-loaded Ultra-stable Y-type zeolite. Chemical Engineering Journal, 2022, 433, 133793.	12.0	56
36	Photocatalytic hydrogen production using liquid phase plasma from ammonia water over metal ion-doped TiO ₂ photocatalysts. Catalysis Today, 2022, 397-399, 165-172.	4.7	27

#	ARTICLE	IF	PR CITATIONS
37	A review on integrated thermochemical hydrogen production from water. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 4346-4356.	9.1	127
38	Sustainable valorization of algae biomass via thermochemical processing route: An overview. <i>Bioresource Technology</i> , 2022, 344, 126399.	9.7	61
39	Nanoneedle-Assembled Copper/Cobalt sulfides on nickel foam as an enhanced 3D hierarchical catalyst to activate monopersulfate for Rhodamine b degradation. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 168-181.	9.9	19
40	Achievements in the production of bioplastics from microalgae. <i>Phytochemistry Reviews</i> , 2022, 22, 1147-1165.	6.4	33
41	Recent advances of hybrid solar - Biomass thermo-chemical conversion systems. <i>Chemosphere</i> , 2022, 290, 133245.	8.3	30
42	Effect of torrefaction and fractional condensation on the quality of bio-oil from biomass pyrolysis for fuel applications. <i>Fuel</i> , 2022, 312, 122959.	7.5	34
43	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.	8.3	17
44	Techno-Economical Evaluation of Bio-Oil Production via Biomass Fast Pyrolysis Process: A Review. <i>Frontiers in Energy Research</i> , 2022, 9, .	2.1	78
45	Simultaneous synthesis of aniline and γ -butyrolactone from nitrobenzene and 1,4-butanediol over Cu-CoOx-MgO catalyst via catalytic hydrogen transfer process: Effect of calcination temperature. <i>Catalysis Today</i> , 2022, 397-399, 28-36.	4.7	7
46	Production of H ₂ - and CO-rich syngas from the CO ₂ gasification of cow manure over (Sr/Mg)-promoted-Ni/Al ₂ O ₃ catalysts. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37218-37226.	9.1	22
47	Relationship between torrefaction severity, product properties, and pyrolysis characteristics of various biomass. <i>International Journal of Energy Research</i> , 2022, 46, 8145-8157.	4.3	16
48	Eco-friendly rice husk derived biochar as a highly efficient noble Metal-Free cocatalyst for high production of H ₂ using solar light irradiation. <i>Chemical Engineering Journal</i> , 2022, 434, 134743.	12.0	48
49	Catalytic cracking of polystyrene pyrolysis oil: Effect of Nb ₂ O ₅ and NiO/Nb ₂ O ₅ catalyst on the liquid product composition. <i>Waste Management</i> , 2022, 141, 240-250.	7.2	34
50	Conversion of biomass blends (walnut shell and pearl millet) for the production of solid biofuel via torrefaction under different conditions. <i>Chemosphere</i> , 2022, 295, 133894.	8.3	32
51	Evaluation of the solar thermal storage of fluidized bed materials for hybrid solar thermo-chemical processes. <i>Biomass Conversion and Biorefinery</i> , 2022, , .	2.9	4
52	Production of value-added hydrochar from single-mode microwave hydrothermal carbonization of oil palm waste for de-chlorination of domestic water. <i>Science of the Total Environment</i> , 2022, 833, 154968.	8.4	20
53	Preparation of N and Eu doped TiO ₂ using plasma in liquid process and its photocatalytic degradation activity for diclofenac. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 2080-2088.	3.0	12
54	Technical benefits of using methane as a pyrolysis medium for catalytic pyrolysis of Kraft lignin. <i>Bioresource Technology</i> , 2022, 353, 127131.	9.7	13

#	ARTICLE	IF	PR CITATIONS
55	A novel microwave air heater integrated with thermal energy storage. <i>International Journal of Energy Research</i> , 2022, 46, 19269-19277.	4.3	5
56	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.	9.7	72
57	Effect of active species scavengers in photocatalytic desulfurization of hydrocracker diesel using mesoporous Ag ₃ VO ₄ . <i>Chemical Engineering Journal</i> , 2022, 441, 136063.	12.0	118
58	Reactor design of methanol steam reforming by evolutionary computation and hydrogen production maximization by machine learning. <i>International Journal of Energy Research</i> , 2022, 46, 20685-20703.	4.3	10
59	A review on the visible light active modified photocatalysts for water splitting for hydrogen production. <i>International Journal of Energy Research</i> , 2022, 46, 5467-5477.	4.3	49
60	Management status and policy direction of submerged marine debris for improvement of port environment in Korea. <i>Open Geosciences</i> , 2022, 14, 443-452.	1.2	5
61	Ultrasound Process-Enhanced Removal of the Toxic Disinfection By-product Bromate from Water by Aluminum: A Comparative Study. <i>Water Environment Research</i> , 2022, . .	2.0	2
62	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.	10.6	28
63	Valorization of furniture industry-processed residue via catalytic pyrolysis with methane. <i>Energy Conversion and Management</i> , 2022, 261, 115652.	10.6	20
64	Catalytic pyrolysis of chicken manure over various catalysts. <i>Fuel</i> , 2022, 322, 124241.	7.5	17
65	Enhancement of bioaromatics production from food waste through catalytic pyrolysis over Zn and Mo-loaded HZSM-5 under an environment of decomposed methane. <i>Chemical Engineering Journal</i> , 2022, 446, 137215.	12.0	40
66	MgO-modified activated biochar for biojet fuels from pyrolysis of sawdust on a simple tandem micro-pyrolyzer. <i>Bioresource Technology</i> , 2022, 359, 127500.	9.7	24
67	Biochar application strategies for polycyclic aromatic hydrocarbons removal from soils. <i>Environmental Research</i> , 2022, 213, 113599.	7.9	54
68	Recent progress in the catalytic thermochemical conversion process of biomass for biofuels. <i>Chemical Engineering Journal</i> , 2022, 447, 137501.	12.0	184
69	Design and Testing of Autonomous Chargeable and Wearable Sweat/Ionic Liquid-Based Supercapacitors. <i>Advanced Science</i> , 2022, 9, .	12.7	21
70	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.	7.9	18
71	A review on activated carbon modifications for the treatment of wastewater containing anionic dyes. <i>Chemosphere</i> , 2022, 306, 135566.	8.3	188
72	Production of aromatics fuel additives from catalytic pyrolysis of cow manure over HZSM-5, HBeta, and HY zeolites. <i>Chemical Engineering Journal</i> , 2022, 450, 137971.	12.0	48

#	ARTICLE	IF	PR CITATIONS
73	Energy recovery from banner waste through catalytic pyrolysis over cobalt oxide: Effects of catalyst configuration. <i>International Journal of Energy Research</i> , 2022, 46, 19051-19063.	4.3	9
74	Mitigation of hazardous toluene via ozone-catalyzed oxidation using MnOx/Sawdust biochar catalyst. <i>Environmental Pollution</i> , 2022, 312, 119920.	7.8	20
75	Food loss and waste: A carbon footprint too big to be ignored. <i>Sustainable Environment</i> , 2022, 8, .	2.1	14
76	Progress, Barriers, and Prospects for Achieving a "Hydrogen Society" and Opportunities for Biochar Technology. <i>ACS ES&T Engineering</i> , 2022, 2, 1987-2001.	6.8	25
77	Simultaneous Upcycling of Biodegradable Plastic and Sea Shell Wastes Through Thermocatalytic Monomer Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 13972-13979.	6.9	33
78	Effective reduction plan for greenhouse gas inventories of local governments. <i>Energy and Environment</i> , 2021, 32, 62-74.	4.5	4
79	Investigation of the activity and selectivity of supported rhenium catalysts for the hydrodeoxygenation of 2-methoxyphenol. <i>Catalysis Today</i> , 2021, 375, 164-173.	4.7	29
80	Biohydrogen production from catalytic conversion of food waste via steam and air gasification using eggshell- and homo-type Ni/Al ₂ O ₃ catalysts. <i>Bioresource Technology</i> , 2021, 320, 124313.	9.7	98
81	Bio-oil upgrading through hydrogen transfer reactions in supercritical solvents. <i>Chemical Engineering Journal</i> , 2021, 404, 126527.	12.0	90
82	Effect of calcination temperature on properties of waste alkaline battery-based catalysts for deep oxidation of toluene and o-xylene. <i>Energy and Environment</i> , 2021, 32, 367-379.	4.5	1
83	Effect of the two-stage process comprised of ether extraction and supercritical hydrodeoxygenation on pyrolysis oil upgrading. <i>Chemical Engineering Journal</i> , 2021, 404, 126531.	12.0	22
84	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.	12.5	51
85	Recycling of a spent alkaline battery as a catalyst for the total oxidation of hydrocarbons. <i>Journal of Hazardous Materials</i> , 2021, 403, 123929.	12.5	31
86	Development of PM ₁₀ and PM _{2.5} cyclones for small sampling ports at stationary sources: Numerical and experimental study. <i>Environmental Research</i> , 2021, 193, 110507.	7.9	12
87	Catalytic upgrading of <i>Quercus Mongolica</i> under methane environment to obtain high yield of bioaromatics. <i>Environmental Pollution</i> , 2021, 272, 116016.	7.8	13
88	Potential for sustainable utilisation of agricultural residues for bioenergy production in Pakistan: An overview. <i>Journal of Cleaner Production</i> , 2021, 287, 125047.	9.7	47
89	Linear low-density polyethylene gasification over highly active Ni/CeO ₂ -ZrO ₂ catalyst for enhanced hydrogen generation. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 94, 336-342.	5.8	70
90	Copper promoted Co/MgO: A stable and efficient catalyst for glycerol steam reforming. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18073-18084.	9.1	47

#	ARTICLE	IF	PR CITATIONS
91	Effects of different Al ₂ O ₃ support on HDPE gasification for enhanced hydrogen generation using Ni-based catalysts. International Journal of Hydrogen Energy, 2021, 46, 18085-18092.	9.1	25
92	Recent applications of the liquid phase plasma process. Korean Journal of Chemical Engineering, 2021, 38, 885-898.	3.0	28
93	Decomposition of naproxen by plasma in liquid process with TiO ₂ photocatalysts and hydrogen peroxide. Environmental Research, 2021, 195, 110899.	7.9	12
94	Co-Combustion of Blends of Coal and Underutilised Biomass Residues for Environmental Friendly Electrical Energy Production. Sustainability, 2021, 13, 4881.	3.1	34
95	Biodiesel synthesis from bio-heavy oil through thermally induced transesterification. Journal of Cleaner Production, 2021, 294, 126347.	9.7	45
96	Effective toluene oxidation under ozone over mesoporous MnOx/γ-Al ₂ O ₃ catalyst prepared by solvent deficient method: Effect of Mn precursors on catalytic activity. Environmental Research, 2021, 195, 110876.	7.9	38
97	Biodiesel production from jatropha seeds with bead-type heterogeneous catalyst. Korean Journal of Chemical Engineering, 2021, 38, 763-770.	3.0	18
98	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.	3.0	14
99	In-situ catalytic co-pyrolysis of kukersite oil shale with black pine wood over acid zeolites. Journal of Analytical and Applied Pyrolysis, 2021, 155, 105050.	5.9	20
100	Effect of high energy ball milling and low temperature densification of plate-like alumina powder. Powder Technology, 2021, 383, 84-92.	4.5	23
101	Characterization and Thermal Behavior Study of Biomass from Invasive Acacia mangium Species in Brunei Preceding Thermochemical Conversion. Sustainability, 2021, 13, 5249.	3.1	33
102	Synthesis of different biofuels from livestock waste materials and their potential as sustainable feedstocks – A review. Energy Conversion and Management, 2021, 236, 114038.	10.6	120
103	Bimetallic Ni-Re catalysts for the efficient hydrodeoxygenation of biomass-derived phenols. International Journal of Energy Research, 2021, 45, 16349-16361.	4.3	29
104	High-quality oil production via the catalytic conversion of printed circuit boards. Journal of Cleaner Production, 2021, 296, 126614.	9.7	10
105	Biohydrogen synthesis from catalytic steam gasification of furniture waste using nickel catalysts supported on modified CeO ₂ . International Journal of Hydrogen Energy, 2021, 46, 16603-16611.	9.1	26
106	Treatment of phenol wastewater using nitrogen-doped magnetic mesoporous hollow carbon. Chemosphere, 2021, 271, 129595.	8.3	21
107	Strategic disposal of flood debris via CO ₂ -assisted catalytic pyrolysis. Journal of Hazardous Materials, 2021, 412, 125242.	12.5	7
108	Performance Analysis of the Perhydro-Dibenzyl-Toluene Dehydrogenation System – A Simulation Study. Sustainability, 2021, 13, 6490.	3.1	14

#	ARTICLE	IF	PR CITATIONS
109	Oxidative desulfurization of refinery diesel pool fractions using LaVO ₄ photocatalyst. Journal of Industrial and Engineering Chemistry, 2021, 98, 283-288.	5.8	64
110	A comprehensive numerical design of firefighting systems for onshore petroleum installations. Korean Journal of Chemical Engineering, 2021, 38, 1768-1780.	3.0	4
111	Comprehensive kinetic study of Imperata Cylindrica pyrolysis via Asym2sig deconvolution and combined kinetics. Journal of Analytical and Applied Pyrolysis, 2021, 156, 105133. Catalytic pyrolysis of plastics derived from end-of-life vehicles () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 642 Td (<scp>ELVs</s	5.9	75
112	<scp> CO	4.3	17
113	Castor Leaves-Based Biochar for Adsorption of Safranin from Textile Wastewater. Sustainability, 2021, 13, 6926.	3.1	31
114	Conversion of Multicyclic Hydrocarbons to Mono-Aromatic Hydrocarbons Over CoMo/Zelite Socony Mobil-5 Catalysts. Journal of Nanoscience and Nanotechnology, 2021, 21, 3819-3823.	0.6	0
115	The Use of Low Cost Nanoporous Catalysts on the Catalytic Pyrolysis of Polyethylene Terephthalate. Journal of Nanoscience and Nanotechnology, 2021, 21, 4121-4124.	0.6	0
116	Catalytic Performance of Supported Bimetallic Catalysts for Complete Oxidation of Toluene. Journal of Nanoscience and Nanotechnology, 2021, 21, 4060-4066.	0.6	0
117	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.	0.6	0
118	Pore volume upgrade of biochar from spent coffee grounds by sodium bicarbonate during torrefaction. Chemosphere, 2021, 275, 129999.	8.3	45
119	Catalytic Pyrolysis of Waste Achyranthes Root Over Al-MCM-41. Journal of Nanoscience and Nanotechnology, 2021, 21, 4081-4084.	0.6	0
120	Catalytic Oxidation of Toluene with Ozone Over the Ru-Mn/Desilicated Nanoporous H-Zeolite Socony Mobil-5 at Room Temperature. Journal of Nanoscience and Nanotechnology, 2021, 21, 3868-3871.	0.6	5
121	Upgrading of sulfur-containing biogas into high quality fuel via oxidative coupling of methane. International Journal of Energy Research, 2021, 45, 19363-19377.	4.3	4
122	Kinetic Analysis for the Catalytic Pyrolysis of Wood Plastic Composite Over Al-MCM-41. Journal of Nanoscience and Nanotechnology, 2021, 21, 3872-3876.	0.6	0
123	In-Situ Catalytic Gasification of Rice Hull Using Municipal Solid Waste Incineration Bottom Ash. Journal of Nanoscience and Nanotechnology, 2021, 21, 3764-3768.	0.6	1
124	Catalytic Pyrolysis of Seawater Aged Polypropylene Over HZSM-5, HY, and Al-MCM-41. Journal of Nanoscience and Nanotechnology, 2021, 21, 3971-3974.	0.6	0
125	Removal of Cr by Modified Biochar Derived from Corn Husk. Journal of Nanoscience and Nanotechnology, 2021, 21, 3965-3970.	0.6	3
126	Nanoporous Alumina Membranes for Sugar Industry: An Investigation of Sintering Parameters Influence on Ultrafiltration Performance. Sustainability, 2021, 13, 7593.	3.1	3

#	ARTICLE	IF	PR CITATIONS
127	Hydrogenation of Ethylbenzene Over Ru ₃ -Al ₂ O ₃ Catalyst in Trickle-Bed Reactor. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4116-4120.	0.6	0
128	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.	8.3	10
129	Valorization of rice husk to aromatics via thermocatalytic conversion in the presence of decomposed methane. <i>Chemical Engineering Journal</i> , 2021, 417, 129264.	12.0	20
130	Production of value-added aromatics from wasted COVID-19 mask via catalytic pyrolysis. <i>Environmental Pollution</i> , 2021, 283, 117060.	7.8	95
131	Bioremediation strategies with biochar for polychlorinated biphenyls (PCBs)-contaminated soils: A review. <i>Environmental Research</i> , 2021, 200, 111757.	7.9	64
132	Ozone-assisted oxidation of methyl ethyl ketone over mesoporous MnOx/Al ₂ O ₃ catalysts. <i>Materials Letters</i> , 2021, 299, 130105.	2.5	7
133	Reaction Characteristics of NO _x and N ₂ O in Selective Non-Catalytic Reduction Using Various Reducing Agents and Additives. <i>Atmosphere</i> , 2021, 12, 1175.	2.2	8
134	Acetaldehyde Adsorption Characteristics of Ag/ACF Composite Prepared by Liquid Phase Plasma Method. <i>Nanomaterials</i> , 2021, 11, 2344.	4.0	2
135	Effect of eggshell- and homo-type Ni/Al ₂ O ₃ catalysts on the pyrolysis of food waste under CO ₂ atmosphere. <i>Journal of Environmental Management</i> , 2021, 294, 112959.	8.4	30
136	Different pyrolysis kinetics and product distribution of municipal and livestock manure sewage sludge. <i>Environmental Pollution</i> , 2021, 285, 117197.	7.8	13
137	Processing of lignocellulose in ionic liquids: A cleaner and sustainable approach. <i>Journal of Cleaner Production</i> , 2021, 323, 129189.	9.7	48
138	Development of hierarchically porous LaVO ₄ for efficient visible-light-driven photocatalytic desulfurization of diesel. <i>Chemical Engineering Journal</i> , 2021, 420, 130529.	12.0	74
139	Hydrolysis Reaction and Amorphization of Ce-Ti Oxide Catalysts During Synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4931-4935.	0.6	1
140	Syntrophic metabolism facilitates Methanosarcina-led methanation in the anaerobic digestion of lipidic slaughterhouse waste. <i>Bioresource Technology</i> , 2021, 335, 125250.	9.7	46
141	Performance of CO ₂ and Fe-modified lignin char on arsenic (V) removal from water. <i>Chemosphere</i> , 2021, 279, 130521.	8.3	39
142	Valorization of municipal wastes using co-pyrolysis for green energy production, energy security, and environmental sustainability: A review. <i>Chemical Engineering Journal</i> , 2021, 421, 129749.	12.0	136
143	Effect of desilication of HZSM-5 on the catalytic pyrolysis of polystyrene. <i>Materials Letters</i> , 2021, 300, 130107.	2.5	5
144	Catalytic steam gasification of food waste using Ni-loaded rice husk derived biochar for hydrogen production. <i>Chemosphere</i> , 2021, 280, 130671.	8.3	53

#	ARTICLE	IF	PR CITATIONS
145	Chemical recycling of plastic waste via thermocatalytic routes. Journal of Cleaner Production, 2021, 321, 128989.	9.7	144
146	Fast hydrolysis of biomass Conversion: A comparative review. Bioresource Technology, 2021, 342, 126067.	9.7	66
147	Review on the progress in emission control technologies for the abatement of CO ₂ , SO _x and NO _x from fuel combustion. Journal of Environmental Chemical Engineering, 2021, 9, 106064.	6.2	249
148	Synergistic effects of CO ₂ on complete thermal degradation of plastic waste mixture through a catalytic pyrolysis platform: A case study of disposable diaper. Journal of Hazardous Materials, 2021, 419, 126537.	12.5	32
149	Catalytic pyrolysis of polypropylene over Ga loaded HZSM-5. Journal of Industrial and Engineering Chemistry, 2021, 103, 136-141.	5.8	49
150	Progress in the torrefaction technology for upgrading oil palm wastes to energy-dense biochar: A review. Renewable and Sustainable Energy Reviews, 2021, 151, 111645.	16.7	109
151	Microalgae and ammonia: A review on inter-relationship. Fuel, 2021, 303, 121303.	7.5	130
152	Waste furniture gasification using rice husk based char catalysts for enhanced hydrogen generation. Bioresource Technology, 2021, 341, 125813.	9.7	37
153	An overview of the hydropower production potential in Bangladesh to meet the energy requirements. Environmental Engineering Research, 2021, 26, 200514-0.	2.7	23
154	Catalytic removal of volatile organic compounds using black mass from spent batteries. Korean Journal of Chemical Engineering, 2021, 39, 161-166.	3.0	10
155	Progress of the Pyrolyzer Reactors and Advanced Technologies for Biomass Pyrolysis Processing. Sustainability, 2021, 13, 11061.	3.1	112
156	Biofuel Production as an Example of Virtuous Valorization of Swine Manure. ACS Sustainable Chemistry and Engineering, 2021, 9, 13761-13772.	6.9	13
157	A Comparative Study on Hexavalent Chromium Adsorption onto Chitosan and Chitosan-Based Composites. Polymers, 2021, 13, 3427.	4.6	43
158	Systematic Assessment of Visible-Light-Driven Microspherical V ₂ O ₅ Photocatalyst for the Removal of Hazardous Organosulfur Compounds from Diesel. Nanomaterials, 2021, 11, 2908.	4.0	32
159	Chemical Feedstock Recovery via the Pyrolysis of Electronically Heated Tobacco Wastes. Sustainability, 2021, 13, 12856.	3.1	7
160	Coupling of nitrobenzene hydrogenation and 1, 4-butanediol dehydrogenation for the simultaneous synthesis of aniline and γ -butyrolactone over copper-based catalysts. Korean Journal of Chemical Engineering, 2021, , .	3.0	2
161	Kinetic Analysis for the Catalytic Pyrolysis of Polypropylene over Low Cost Mineral Catalysts. Sustainability, 2021, 13, 13386.	3.1	9
162	Preparation and Characterization of Silver-Iron Bimetallic Nanoparticles on Activated Carbon Using Plasma in Liquid Process. Nanomaterials, 2021, 11, 3385.	4.0	6

#	ARTICLE	IF	PR CITATIONS
163	Hydrogen Production through Catalytic Water Splitting Using Liquid-Phase Plasma over Bismuth Ferrite Catalyst. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13591.	4.5	12
164	Catalytic co-conversion of Kraft lignin and linear low-density polyethylene over mesoZSM-5 and Al-SBA-15 catalysts. <i>Catalysis Today</i> , 2020, 355, 246-251.	4.7	16
165	Catalytic hydropyrolysis of lignin: Suppression of coke formation in mild hydrodeoxygenation of lignin-derived phenolics. <i>Chemical Engineering Journal</i> , 2020, 386, 121348.	12.0	92
166	Recent advances in the catalytic pyrolysis of microalgae. <i>Catalysis Today</i> , 2020, 355, 263-271.	4.7	78
167	Production of bio-oil with reduced polycyclic aromatic hydrocarbons via continuous pyrolysis of biobutanol process derived waste lignin. <i>Journal of Hazardous Materials</i> , 2020, 384, 121231.	12.5	27
168	Overview of biochar production from preservative-treated wood with detailed analysis of biochar characteristics, heavy metals behaviors, and their ecotoxicity. <i>Journal of Hazardous Materials</i> , 2020, 384, 121356.	12.5	109
169	In-situ hydrogenation of bio-oil/bio-oil phenolic compounds with secondary alcohols over a synthesized mesoporous Ni/CeO ₂ catalyst. <i>Chemical Engineering Journal</i> , 2020, 382, 122912.	12.0	59
170	Survey of perfluorinated compounds in consumer products by liquid chromatography-tandem mass spectrometry. <i>Energy and Environment</i> , 2020, 31, 713-729.	4.5	6
171	Bioelectrochemical systems for a circular bioeconomy. <i>Bioresource Technology</i> , 2020, 300, 122748.	9.7	102
172	Economic feasibility through the optimal capacity calculation model of an energy storage system connected to solar power generator. <i>Energy and Environment</i> , 2020, 31, 860-869.	4.5	4
173	Engineering pyrolysis biochar via single-step microwave steam activation for hazardous landfill leachate treatment. <i>Journal of Hazardous Materials</i> , 2020, 390, 121649.	12.5	146
174	Facile Preparation of Ni-Co Bimetallic Oxide/Activated Carbon Composites Using the Plasma in Liquid Process for Supercapacitor Electrode Applications. <i>Nanomaterials</i> , 2020, 10, 61.	4.0	12
175	Degradation behaviors of naproxen by a hybrid TiO ₂ photocatalyst system with process components. <i>Science of the Total Environment</i> , 2020, 708, 135216.	8.4	21
176	CO ₂ -cofeeding catalytic pyrolysis of macadamia nutshell. <i>Journal of CO₂ Utilization</i> , 2020, 37, 97-105.	7.9	25
177	Acetaldehyde oxidation under high humidity using a catalytic non-thermal plasma system over Mn-loaded Y zeolites. <i>Materials Letters</i> , 2020, 262, 127051.	2.5	12
178	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.	9.7	58
179	Methodology to Calculate the CO ₂ Emission Reduction at the Coal-Fired Power Plant: CO ₂ Capture and Utilization Applying Technology of Mineral Carbonation. <i>Sustainability</i> , 2020, 12, 7402.	3.1	10
180	Acid-treated waste red mud as an efficient catalyst for catalytic fast copyrolysis of lignin and polypropylene and ozone-catalytic conversion of toluene. <i>Environmental Research</i> , 2020, 191, 110149.	7.9	27

#	ARTICLE	IF	PR CITATIONS
181	Valorization of Phytoremediation Byproduct via Synthesis of Biodiesel from Cockspur Grass (<i>Echinochloa crus-galli</i>) Seed. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11588-11595.	6.9	16
182	Complete Oxidation of Volatile Organic Compounds Over Spent Vanadium-Based Catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5671-5675.	0.6	2
183	Effects of Sulfuric Acid Treatment on the Performance of Ga-Al ₂ O ₃ for the Hydrolytic Decomposition of 1,1,1,2-Tetrafluoroethane (HFC-134a). <i>Catalysts</i> , 2020, 10, 766.	3.8	8
184	A Comparative Study on the Reduction Effect in Greenhouse Gas Emissions between the Combined Heat and Power Plant and Boiler. <i>Sustainability</i> , 2020, 12, 5144.	3.1	21
185	Pyrolysis of solid waste residues from Lemon Myrtle essential oils extraction for bio-oil production. <i>Bioresource Technology</i> , 2020, 318, 123913.	9.7	74
186	Economic Evaluation of Carbon Capture and Utilization Applying the Technology of Mineral Carbonation at Coal-Fired Power Plant. <i>Sustainability</i> , 2020, 12, 6175.	3.1	21
187	Enhancement of aromatics from catalytic pyrolysis of yellow poplar: Role of hydrogen and methane decomposition. <i>Bioresource Technology</i> , 2020, 315, 123835.	9.7	54
188	Bioenergy potential and thermochemical characterization of lignocellulosic biomass residues available in Pakistan. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1899-1906.	3.0	53
189	Offering a new option to valorize hen manure by CO ₂ -assisted catalytic pyrolysis over biochar and metal catalysts. <i>Journal of CO₂ Utilization</i> , 2020, 42, 101344.	7.9	21
190	Sawdust pyrolysis from the furniture industry in an auger pyrolysis reactor system for biochar and bio-oil production. <i>Energy Conversion and Management</i> , 2020, 226, 113502.	10.6	114
191	Exploiting starfish in pyrolysis for the enhanced generation of syngas and CO ₂ -looping agent. <i>Journal of Cleaner Production</i> , 2020, 276, 123228.	9.7	4
192	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.	3.1	3
193	Applications of Modified Biochar-Based Materials for the Removal of Environment Pollutants: A Mini Review. <i>Sustainability</i> , 2020, 12, 6112.	3.1	48
194	Assessing the Theoretical Prospects of Bioethanol Production as a Biofuel from Agricultural Residues in Bangladesh: A Review. <i>Sustainability</i> , 2020, 12, 8583.	3.1	31
195	High-quality and phenolic monomer-rich bio-oil production from lignin in supercritical ethanol over synergistic Ru and Mg-Zr-oxide catalysts. <i>Chemical Engineering Journal</i> , 2020, 396, 125175.	12.0	46
196	Recent advances in catalytic co-pyrolysis of biomass and plastic waste for the production of petroleum-like hydrocarbons. <i>Bioresource Technology</i> , 2020, 310, 123473.	9.7	289
197	Catalytic ozonation of toluene using Mn ⁿ⁺ M bimetallic HZSM-5 (M: Fe, Cu, Ru, Ag) catalysts at room temperature. <i>Journal of Hazardous Materials</i> , 2020, 397, 122577.	12.5	88
198	Synergistic effects of CO ₂ on ex situ catalytic pyrolysis of lignocellulosic biomass over a Ni/SiO ₂ catalyst. <i>Journal of CO₂ Utilization</i> , 2020, 39, 101182.	7.9	23

#	ARTICLE	IF	PR CITATIONS
199	Using low carbon footprint high-pressure carbon dioxide in bioconversion of aspen branch waste for sustainable bioethanol production. <i>Bioresource Technology</i> , 2020, 313, 123675.	9.7	18
200	CO ₂ -Mediated catalytic pyrolysis of rice straw for syngas production and power generation. <i>Energy Conversion and Management</i> , 2020, 220, 113057.	10.6	28
201	Catalytic Pyrolysis of Tetra Pak over Acidic Catalysts. <i>Catalysts</i> , 2020, 10, 602.	3.8	22
202	Enhanced bioaromatics synthesis via catalytic co-pyrolysis of cellulose and spent coffee ground over microporous HZSM-5 and HY. <i>Environmental Research</i> , 2020, 184, 109311.	7.9	8
203	Comparative study of greenhouse gas emissions between national government and local governments in Korea. <i>Energy and Environment</i> , 2020, 31, 1403-1415.	4.5	1
204	Functional use of CO ₂ for environmentally benign production of hydrogen through catalytic pyrolysis of polymeric waste. <i>Chemical Engineering Journal</i> , 2020, 399, 125889.	12.0	54
205	Energy, Exergy, and Sustainability Analyses of the Agricultural Sector in Bangladesh. <i>Sustainability</i> , 2020, 12, 4447.	3.1	37
206	Incorporation of solar-thermal energy into a gasification process to co-produce bio-fertilizer and power. <i>Environmental Pollution</i> , 2020, 266, 115103.	7.8	37
207	Direct conversion of NO and SO ₂ in flue gas into fertilizer using ammonia and ozone. <i>Journal of Hazardous Materials</i> , 2020, 397, 122581.	12.5	30
208	Catalytic Properties of Microporous Zeolite Catalysts in Synthesis of Isosorbide from Sorbitol by Dehydration. <i>Catalysts</i> , 2020, 10, 148.	3.8	21
209	Use of steel slag as a catalyst in CO ₂ -cofeeding pyrolysis of pine sawdust. <i>Journal of Hazardous Materials</i> , 2020, 392, 122275.	12.5	17
210	Recent advances in volatile organic compounds abatement by catalysis and catalytic hybrid processes: A critical review. <i>Science of the Total Environment</i> , 2020, 719, 137405.	8.4	182
211	Production of biofuels from pine needle via catalytic fast pyrolysis over HBeta. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 493-496.	3.0	40
212	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. <i>Environmental Research</i> , 2020, 184, 109267.	7.9	12
213	Catalytic pyrolysis of cow manure over a Ni/SiO ₂ catalyst using CO ₂ as a reaction medium. <i>Energy</i> , 2020, 195, 117077.	9.1	26
214	Fabrication of Yb-doped TiO ₂ using liquid phase plasma process and its photocatalytic degradation activity of naproxen. <i>Journal of Materials Science</i> , 2020, 55, 9665-9675.	3.5	8
215	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.	7.9	88
216	Continuous-flow production of petroleum-replacing fuels from highly viscous Kraft lignin pyrolysis oil using its hydrocracked oil as a solvent. <i>Energy Conversion and Management</i> , 2020, 213, 112728.	10.6	18

#	ARTICLE	IF	PR CITATIONS
217	CO ₂ -cofed catalytic pyrolysis of tea waste over Ni/SiO ₂ for the enhanced formation of syngas. Journal of Hazardous Materials, 2020, 396, 122637.	12.5	40
218	Using CO ₂ as an Oxidant in the Catalytic Pyrolysis of Peat Moss from the North Polar Region. Environmental Science & Technology, 2020, 54, 6329-6343.	11.1	47
219	The photocatalytic destruction of cimetidine using microwave-assisted TiO ₂ photocatalysts hybrid system. Journal of Hazardous Materials, 2020, 391, 122568.	12.5	17
220	Catalytic Pyrolysis of Polystyrene over Steel Slag under CO ₂ Environment. Journal of Hazardous Materials, 2020, 395, 122576.	12.5	83
221	Performance of platinum doping on spent alkaline battery-based catalyst for complete oxidation of o-xylene. Environmental Science and Pollution Research, 2020, 28, 24552-24557.	4.4	2
222	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.	6.7	43
223	A new biorefinery platform for producing (C ₂ -5) bioalcohols through the biological/chemical hybridization process. Bioresource Technology, 2020, 311, 123568.	9.7	39
224	Characteristics of hydrogen production by photocatalytic water splitting using liquid phase plasma over Ag-doped TiO ₂ photocatalysts. Environmental Research, 2020, 188, 109630.	7.9	63
225	Fabrication of Molybdenum Oxide/Activated Carbon Using Liquid Phase Plasma Reaction and Its Electrochemical Performance. Journal of Nanoscience and Nanotechnology, 2020, 20, 5579-5582.	0.6	0
226	Hydrocarbons Production from m-Cresol as a Lignin Model Compound Over Nickel Silicate Catalysts. Journal of Nanoscience and Nanotechnology, 2020, 20, 5738-5741.	0.6	3
227	Catalytic Pyrolysis of Polyethylene Terephthalate Over Desilicated Beta. Journal of Nanoscience and Nanotechnology, 2020, 20, 5594-5598.	0.6	4
228	Atmospheric Hydrodeoxygenation of Anisole to Hydrocarbons Over Ni Supported on Mesoporous Silica. Journal of Nanoscience and Nanotechnology, 2020, 20, 5734-5737.	0.6	0
229	Yellow Poplar Gasification Over Ni Silicate and Ni/Silica. Journal of Nanoscience and Nanotechnology, 2020, 20, 5667-5670.	0.6	0
230	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.	9.2	19
231	Catalytic fast pyrolysis of wood plastic composite over microporous zeolites. Chemical Engineering Journal, 2019, 377, 119742.	12.0	70
232	Catalytic hydrodeoxygenation of crude bio-oil in supercritical methanol using supported nickel catalysts. Renewable Energy, 2019, 144, 159-166.	9.2	86
233	Ring Enlargement of Methylcyclopentane over Pt/(HZSM-48+pseudoboehmite) Catalysts. Catalysts, 2019, 9, 531.	3.8	5
234	Activated Carbons from Thermoplastic Precursors and Their Energy Storage Applications. Nanomaterials, 2019, 9, 896.	4.0	13

#	ARTICLE	IF	PR CITATIONS
235	Valorization of sewage sludge via non-catalytic transesterification. <i>Environment International</i> , 2019, 131, 105035.	10.3	27
236	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.	12.0	54
237	Catalytic pyrolysis of swine manure using CO ₂ and steel slag. <i>Environment International</i> , 2019, 133, 105204.	10.3	32
238	Analysis of National PM _{2.5} (FPM and CPM) Emissions by Past, Current, and Future Energy Mix Scenarios in the Republic of Korea. <i>Sustainability</i> , 2019, 11, 4289.	3.1	7
239	Carbon dioxide-cofeeding pyrolysis of pine sawdust over nickel-based catalyst for hydrogen production. <i>Energy Conversion and Management</i> , 2019, 201, 112140.	10.6	48
240	Effect of Liquid Phase Plasma Irradiation on Production by Photocatalytic Water Splitting over SrTiO ₃ Photocatalysts. <i>ChemCatChem</i> , 2019, 11, 6451-6459.	3.6	10
241	Valorization of alum sludge via a pyrolysis platform using CO ₂ as reactive gas medium. <i>Environment International</i> , 2019, 132, 105037.	10.3	24
242	NH ₃ -induced removal of NO _x from a flue gas stream by silent discharge ozone generation in a double reactor system. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1291-1297.	3.0	18
243	Continuous pyrolysis of organosolv lignin and application of biochar on gasification of high density polyethylene. <i>Applied Energy</i> , 2019, 255, 113801.	10.6	41
244	Catalytic pyrolysis of brown algae using carbon dioxide and oyster shell. <i>Journal of CO₂ Utilization</i> , 2019, 34, 668-675.	7.9	20
245	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.	0.6	3
246	Catalytic Hydrodeoxygenation of Cork Oak Pyrolysis Oil Over Ni/Al-MCM-41. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1158-1161.	0.6	4
247	Hydrougrading of Bio-Oil Over PtMg/KIT-6 Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1126-1129.	0.6	3
248	CO ₂ -mediated chicken manure biochar manipulation for biodiesel production. <i>Environmental Research</i> , 2019, 171, 348-355.	7.9	22
249	Microwave steam activation, an innovative pyrolysis approach to convert waste palm shell into highly microporous activated carbon. <i>Journal of Environmental Management</i> , 2019, 236, 245-253.	8.4	140
250	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.	10.6	72
251	Hydrothermal Liquefaction of Concentrated Acid Hydrolysis Lignin in a Bench-Scale Continuous Stirred Tank Reactor. <i>Energy & Fuels</i> , 2019, 33, 6421-6428.	5.2	27
252	Catalytic pyrolysis of wood polymer composites over hierarchical mesoporous zeolites. <i>Energy Conversion and Management</i> , 2019, 195, 727-737.	10.6	68

#	ARTICLE	IF	PR CITATIONS
253	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. <i>Chemical Engineering Research and Design</i> , 2019, 128, 30-35.	6.3	96
254	Recent progress in the thermal and catalytic conversion of lignin. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 111, 422-441.	16.7	194
255	Catalytic co-pyrolysis of cellulose and linear low-density polyethylene over MgO-impregnated catalysts with different acid-base properties. <i>Chemical Engineering Journal</i> , 2019, 373, 375-381.	12.0	57
256	Microwave pyrolysis valorization of used baby diaper. <i>Chemosphere</i> , 2019, 230, 294-302.	8.3	84
257	Recent application of biochar on the catalytic biorefinery and environmental processes. <i>Chinese Chemical Letters</i> , 2019, 30, 2147-2150.	7.5	53
258	Catalytic pyrolysis of lignin for the production of aromatic hydrocarbons: Effect of magnesium oxide catalyst. <i>Energy</i> , 2019, 179, 669-675.	9.1	92
259	Effective use of aluminum-plastic laminate as a feedstock for catalytic pyrolysis over micro and mesoporous catalysts. <i>Journal of Cleaner Production</i> , 2019, 229, 1093-1101.	9.7	34
260	Heterogeneous photocatalytic degradation and hydrogen evolution from ethanolamine nuclear wastewater by a liquid phase plasma process. <i>Science of the Total Environment</i> , 2019, 676, 190-196.	8.4	14
261	Livestock manure valorization to biochemicals and energy using CO ₂ : A case study of goat excreta. <i>Journal of CO₂ Utilization</i> , 2019, 30, 107-111.	7.9	14
262	Effect of Mg/Al ₂ O ₃ and Calcination Temperature on the Catalytic Decomposition of HFC-134a. <i>Catalysts</i> , 2019, 9, 270.	3.8	23
263	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.	4.5	18
264	Strategic use of biochar for CO ₂ capture and sequestration. <i>Journal of CO₂ Utilization</i> , 2019, 32, 128-139.	7.9	233
265	Removal of toluene using ozone at room temperature over mesoporous Mn/Al ₂ O ₃ catalysts. <i>Environmental Research</i> , 2019, 172, 649-657.	7.9	69
266	Biodiesel synthesis from fish waste via thermally-induced transesterification using clay as porous material. <i>Journal of Hazardous Materials</i> , 2019, 371, 27-32.	12.5	44
267	H ₂ Production from Yellow Poplar Gasification Over Ni/Spent FCC. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1133-1136.	0.6	0
268	Thermolysis of crude oil sludge using CO ₂ as reactive gas medium. <i>Energy Conversion and Management</i> , 2019, 186, 393-400.	10.6	50
269	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.	7.9	25
270	Study of stainless steel electrodes after electrochemical analysis in sea water condition. <i>Environmental Research</i> , 2019, 173, 549-555.	7.9	28

#	ARTICLE	IF	PR CITATIONS
271	Catalytic Decomposition of an Energetic Ionic Liquid Solution over Hexaaluminate Catalysts. Catalysts, 2019, 9, 80.	3.8	8
272	In-situ and ex-situ catalytic pyrolysis/co-pyrolysis of empty fruit bunches using mesostructured aluminosilicate catalysts. Chemical Engineering Journal, 2019, 366, 330-338.	12.0	113
273	Assessment of Degradation Behavior for Acetylsalicylic Acid Using a Plasma in Liquid Process. Catalysts, 2019, 9, 965.	3.8	5
274	In-Situ Catalytic Fast Pyrolysis of Pinecone over HY Catalysts. Catalysts, 2019, 9, 1034.	3.8	13
275	Pd/C catalyzed transfer hydrogenation of pyrolysis oil using 2-propanol as hydrogen source. Chemical Engineering Journal, 2019, 377, 119986.	12.0	55
276	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.	0.6	5
277	Preparation and Characterization of Bimetallic Feâ€“Ni Oxide Nanoparticles Using Liquid Phase Plasma Process. Journal of Nanoscience and Nanotechnology, 2019, 19, 2362-2365.	0.6	4
278	Degradation of dimethyl phthalate using a liquid phase plasma process with TiO2 photocatalysts. Environmental Research, 2019, 169, 256-260.	7.9	26
279	In-Situ Catalytic Pyrolysis of Waste Lignin Over Desilicated Beta. Journal of Nanoscience and Nanotechnology, 2019, 19, 1074-1077.	0.6	0
280	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.	12.5	44
281	Overview of the recent advances in lignocellulose liquefaction for producing biofuels, bio-based materials and chemicals. Bioresource Technology, 2019, 279, 373-384.	9.7	221
282	Enhanced stability of bio-oil and diesel fuel emulsion using Span 80 and Tween 60 emulsifiers. Journal of Environmental Management, 2019, 231, 694-700.	8.4	81
283	Insight into the effect of metal and support for mild hydrodeoxygenation of lignin-derived phenolics to BTX aromatics. Chemical Engineering Journal, 2019, 377, 120121.	12.0	63
284	<i>In-Situ</i> Upgrading of Organosolv Lignin- and Cellulose-Derived Pyrolyzates Over Ce-MCM-41 Catalyst. Journal of Nanoscience and Nanotechnology, 2019, 19, 1162-1165.	0.6	2
285	Facile Synthesis of Chromium Oxide on Activated Carbon Electrodes for Electrochemical Capacitor Application. Journal of Nanoscience and Nanotechnology, 2019, 19, 1078-1081.	0.6	2
286	Acetaldehyde removal and increased H2/CO gas yield from biomass gasification over metal-loaded Kraft lignin char catalyst. Journal of Environmental Management, 2019, 232, 330-335.	8.4	15
287	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.	9.2	16
288	Effects of Pore Structure on <i>n</i>-Butane Adsorption Characteristics of Polymer-Based Activated Carbon. Industrial & Engineering Chemistry Research, 2019, 58, 736-741.	3.9	21

#	ARTICLE	IF	PR CITATIONS
289	Catalytic Decomposition of an Ionic Liquid Monopropellant Over Ir/Hexaaluminate Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7906-7910.	0.6	0
290	Mild hydrodeoxygenation of phenolic lignin model compounds over a FeReO _x /ZrO ₂ catalyst: zirconia and rhenium oxide as efficient dehydration promoters. <i>Green Chemistry</i> , 2018, 20, 1472-1483.	9.1	73
291	Facile precipitation of tin oxide nanoparticles on graphene sheet by liquid phase plasma method for enhanced electrochemical properties. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 750-756.	3.0	13
292	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.	9.7	73
293	Non-isothermal pyrolysis properties of <i>Laminaria japonica</i> . <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 130, 277-284.	5.9	20
294	Metallic nickel supported on mesoporous silica as catalyst for hydrodeoxygenation: effect of pore size and structure. <i>Research on Chemical Intermediates</i> , 2018, 44, 3723-3735.	3.1	18
295	Fast pyrolysis of waste pepper stem over waste FCC catalyst. <i>Research on Chemical Intermediates</i> , 2018, 44, 3773-3786.	3.1	6
296	Analytical pyrolysis reaction characteristics of <i>Porphyra tenera</i> . <i>Algal Research</i> , 2018, 32, 60-69.	4.5	33
297	Synthesis of jet fuel through the oligomerization of butenes on zeolite catalysts. <i>Research on Chemical Intermediates</i> , 2018, 44, 3823-3833.	3.1	20
298	Catalytic copyrolysis of torrefied cork oak and high density polyethylene over a mesoporous HY catalyst. <i>Catalysis Today</i> , 2018, 307, 301-307.	4.7	40
299	Catalytic copyrolysis of cork oak and bio-oil distillation residue. <i>Applied Surface Science</i> , 2018, 429, 95-101.	6.7	12
300	Effect of methane co-feeding on product selectivity of catalytic pyrolysis of biomass. <i>Catalysis Today</i> , 2018, 303, 200-206.	4.7	22
301	Recycling of red mud as a catalyst for complete oxidation of benzene. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 60, 259-267.	5.8	53
302	Catalytic hydrodeoxygenation of Geodae-Uksae pyrolysis oil over Ni/desilicated HZSM-5. <i>Journal of Cleaner Production</i> , 2018, 174, 763-770.	9.7	34
303	Efficient depolymerization of lignin in supercritical ethanol by a combination of metal and base catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 57, 45-54.	5.8	91
304	Effect of Accelerated High Temperature on Oxidation and Polymerization of Biodiesel from Vegetable Oils. <i>Energies</i> , 2018, 11, 3514.	3.0	20
305	Catalytic Pyrolysis of Polyethylene and Polypropylene over Desilicated Beta and Al-MSU-F. <i>Catalysts</i> , 2018, 8, 501.	3.8	37
306	Increased Aromatics Formation by the Use of High-Density Polyethylene on the Catalytic Pyrolysis of Mandarin Peel over HY and HZSM-5. <i>Catalysts</i> , 2018, 8, 656.	3.8	20

#	ARTICLE	IF	PR CITATIONS
307	Catalytic pyrolysis of polystyrene and polyethylene terephthalate over Al-MSU-F. Energy Procedia, 2018, 144, 111-117.	2.2	35
308	Catalytic Co-Pyrolysis of Kraft Lignin with Refuse-Derived Fuels Using Ni-Loaded ZSM-5 Type Catalysts. Catalysts, 2018, 8, 506.	3.8	12
309	Oligomerization of Butene Mixture over NiO/Mesoporous Aluminosilicate Catalyst. Catalysts, 2018, 8, 456.	3.8	8
310	Enhanced Electrochemical Performance of Carbon Nanotube with Nitrogen and Iron Using Liquid Phase Plasma Process for Supercapacitor Applications. International Journal of Molecular Sciences, 2018, 19, 3830.	4.5	11
311	A Hybrid Reactor System Comprised of Non-Thermal Plasma and Mn/Natural Zeolite for the Removal of Acetaldehyde from Food Waste. Catalysts, 2018, 8, 389.	3.8	9
312	Catalytic Copyrolysis of Cork Oak and Waste Plastic Films over HBeta. Catalysts, 2018, 8, 318.	3.8	6
313	Liquid Phase Plasma Synthesis of Iron Oxide Nanoparticles on Nitrogen-Doped Activated Carbon Resulting in Nanocomposite for Supercapacitor Applications. Nanomaterials, 2018, 8, 190.	4.0	26
314	Catalytic conversion of 1,1,1,2-tetrafluoroethane (HFC-134a). Korean Journal of Chemical Engineering, 2018, 35, 1611-1619.	3.0	29
315	Health Risk Assessment on Hazardous Ingredients in Household Deodorizing Products. International Journal of Environmental Research and Public Health, 2018, 15, 744.	3.1	5
316	Stabilization of bio-oil over a low cost dolomite catalyst. Korean Journal of Chemical Engineering, 2018, 35, 922-925.	3.0	42
317	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.	5.9	11
318	Hydrodeoxygenation of Pyrolysis Bio-Oil Over Ni Impregnated Mesoporous Materials. Journal of Nanoscience and Nanotechnology, 2018, 18, 1331-1335.	0.6	4
319	Catalytic Pyrolysis of Korean Pine (<i>Pinus koraiensis</i>) Nut Shell Over Mesoporous Al ₂ O ₃ . Journal of Nanoscience and Nanotechnology, 2018, 18, 1351-1355.	0.6	2
320	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.	0.6	0
321	Estrogenicity of Octyl Glucoside Synthesized by Direct Glucosidation as Non-Endocrine Disruptive Surfactant. Journal of Nanoscience and Nanotechnology, 2018, 18, 1478-1481.	0.6	0
322	Precipitation of Nickel Oxide on TiO ₂ Photocatalysts for Enhanced Visible Degradation Activity. Journal of Nanoscience and Nanotechnology, 2018, 18, 1279-1282.	0.6	0
323	Characterization of Pt-Based Catalyst by Consecutive Experiments of Toluene Oxidation. Journal of Nanoscience and Nanotechnology, 2018, 18, 1487-1491.	0.6	0
324	Catalytic Pyrolysis of Municipal Plastic Film Wastes Over Nanoporous Al-MCM-41. Journal of Nanoscience and Nanotechnology, 2018, 18, 1078-1082.	0.6	8

#	ARTICLE	IF	PR CITATIONS
325	Suppressed char agglomeration by rotary kiln reactor with alumina ball during the pyrolysis of Kraft lignin. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 72-77.	5.8	38
326	Removal of Food Waste Odor Using Nanoporous Carbon Adsorbents. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1492-1494.	0.6	6
327	Catalytic Pyrolysis of Organosolv and Klason Lignin Over Al-SBA-15. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1423-1426.	0.6	13
328	In-situ catalytic copyrolysis of cellulose and polypropylene over desilicated ZSM-5. <i>Catalysis Today</i> , 2017, 293-294, 151-158.	4.7	59
329	Catalytic co-pyrolysis of torrefied yellow poplar and high-density polyethylene using microporous HZSM-5 and mesoporous Al-MCM-41 catalysts. <i>Energy Conversion and Management</i> , 2017, 149, 966-973.	10.6	141
330	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.	9.1	42
331	Assembling a supercapacitor electrode with dual metal oxides and activated carbon using a liquid phase plasma. <i>Journal of Environmental Management</i> , 2017, 203, 880-887.	8.4	10
332	Precipitation of Tin Oxide Nanoparticles on Graphene Sheets Using a Liquid Phase Plasma Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4288-4291.	0.6	1
333	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.	6.9	38
334	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.	0.6	3
335	In-situ catalytic co-pyrolysis of yellow poplar and high-density polyethylene over mesoporous catalysts. <i>Energy Conversion and Management</i> , 2017, 151, 116-122.	10.6	54
336	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.	9.7	51
337	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.	3.0	46
338	Catalytic co-pyrolysis of biomass carbohydrates with LLDPE over Al-SBA-15 and mesoporous ZSM-5. <i>Catalysis Today</i> , 2017, 298, 46-52.	4.7	60
339	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.	4.6	85
340	Catalytic co-pyrolysis of polypropylene and <i>Laminaria japonica</i> over zeolitic materials. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18434-18441.	9.1	41
341	In-Situ Catalytic Pyrolysis of Xylan and Dealkaline Lignin over SAPO-11. <i>Topics in Catalysis</i> , 2017, 60, 644-650.	2.5	7
342	Pyrolysis kinetic analysis of poly(methyl methacrylate) using evolved gas analysis-mass spectrometry. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 1214-1221.	3.0	32

#	ARTICLE	IF	PR CITATIONS
343	In-situ catalytic pyrolysis of lignin in a bench-scale fixed bed pyrolyzer. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 447-453.	5.8	94
344	Upgrading of pyrolysis bio-oil using WO ₃ /ZrO ₂ and Amberlyst catalysts: Evaluation of acid number and viscosity. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2180-2187.	3.0	46
345	Highly Selective Catalytic Properties of HZSM-5 Zeolite in the Synthesis of Acetyl Triethyl Citrate by the Acetylation of Triethyl Citrate with Acetic Anhydride. <i>Catalysts</i> , 2017, 7, 321.	3.8	14
346	Rapid Quantification of N-Methyl-2-pyrrolidone in Polymer Matrices by Thermal Desorption-GC/MS. <i>Analytical Sciences</i> , 2017, 33, 821-824.	1.6	10
347	Production of Polyhydroxyalkanoates from Sludge Palm Oil Using <i>Pseudomonas putida</i> S12. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 990-994.	3.0	30
348	PM Management Methods Considering Condensable PM Emissions from Stationary Sources in Seoul and Incheon. <i>Journal of Korean Society for Atmospheric Environment</i> , 2017, 33, 319-325.	1.0	5
349	Catalytic Pyrolysis of Geodae-Uksae 1 Over Mesoporous Materials Produced from Zeolite HBeta. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 8260-8264.	0.6	0
350	Catalytic Pyrolysis of Wild Reed over a Zeolite-Based Waste Catalyst. <i>Energies</i> , 2016, 9, 201.	3.0	9
351	Microporous Zeolites as Catalysts for the Preparation of Decyl Glucoside from Glucose with 1-Decanol by Direct Glucosidation. <i>Catalysts</i> , 2016, 6, 216.	3.8	6
352	Catalytic copyrolysis of particle board and polypropylene over Al-MCM-48. <i>Materials Research Bulletin</i> , 2016, 82, 61-66.	5.4	10
353	Hydrodeoxygenation of guaiacol over Pt loaded zeolitic materials. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 37, 18-21.	5.8	132
354	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.	9.7	65
355	Characterization of Bimetallic Fe-Ru Oxide Nanoparticles Prepared by Liquid-Phase Plasma Method. <i>Nanoscale Research Letters</i> , 2016, 11, .	3.9	12
356	Precipitation of Manganese and Nickel Nanoparticles on an Activated Carbon Powder for Electrochemical Capacitor Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11460-11464.	0.6	1
357	Catalytic pyrolysis of lignin using a two-stage fixed bed reactor comprised of in-situ natural zeolite and ex-situ HZSM-5. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 122, 282-288.	5.9	83
358	An aptamer cocktail-functionalized photocatalyst with enhanced antibacterial efficiency towards target bacteria. <i>Journal of Hazardous Materials</i> , 2016, 318, 247-254.	12.5	43
359	Catalytic Hydrodeoxygenation of Bio-oil Model Compounds over Pt/HY Catalyst. <i>Scientific Reports</i> , 2016, 6, .	3.5	148
360	Production of aromatic hydrocarbons via catalytic co-pyrolysis of torrefied cellulose and polypropylene. <i>Energy Conversion and Management</i> , 2016, 129, 81-88.	10.6	77

#	ARTICLE	IF	PR CITATIONS
361	Recent advances in the catalytic hydrodeoxygenation of bio-oil. Korean Journal of Chemical Engineering, 2016, 33, 3299-3315.	3.0	116
362	Pyrolysis kinetics and product properties of softwoods, hardwoods, and the nut shell of softwood. Korean Journal of Chemical Engineering, 2016, 33, 2350-2358.	3.0	44
363	Production and utilization of biochar: A review. Journal of Industrial and Engineering Chemistry, 2016, 40, 1-15.	5.8	1,140
364	Catalytic Copyrolysis of Cellulose and Thermoplastics over HZSM-5 and HY. ACS Sustainable Chemistry and Engineering, 2016, 4, 1354-1363.	6.9	133
365	Rapid degradation of methyl orange using hybrid advanced oxidation process and its synergistic effect. Journal of Industrial and Engineering Chemistry, 2016, 35, 205-210.	5.8	75
366	Ex-situ catalytic pyrolysis of citrus fruit peels over mesoporous MFI and Al-MCM-41. Energy Conversion and Management, 2016, 125, 277-289.	10.6	62
367	Removal of copper(II) in aqueous solution using pyrolytic biochars derived from red macroalga <i>Porphyra tenera</i> . Journal of Industrial and Engineering Chemistry, 2016, 36, 314-319.	5.8	118
368	Synthesis of cobalt oxide-manganese oxide on activated carbon electrodes for electrochemical capacitor application using a liquid phase plasma method. International Journal of Hydrogen Energy, 2016, 41, 7582-7589.	9.1	19
369	Ex situ catalytic upgrading of lignocellulosic biomass components over vanadium contained H-MCM-41 catalysts. Catalysis Today, 2016, 265, 184-191.	4.7	37
370	Catalytic Pyrolysis of <i>Robinia pseudoacacia</i> Over Mesoporous Materials Produced from Zeolite HBeta. Nanoscience and Nanotechnology Letters, 2016, 8, 340-344.	0.3	2
371	Ex-situ Catalytic Pyrolysis of Korean Native Oak Tree over Microporous Zeolites. Applied Chemistry for Engineering, 2016, 27, 407-414.	0.3	5
372	Cu ²⁺ ion reduction in wastewater over RDF-derived char. Carbon Letters, 2016, 18, 49-55.	4.9	7
373	Adsorptive removal of atmospheric pollutants over <i>Pyropia tenera</i> chars. Carbon Letters, 2016, 19, 79-88.	4.9	19
374	2-Butanol Dehydration over Highly Dispersed Molybdenum Oxide/MCM-41 Catalysts. Bulletin of the Korean Chemical Society, 2015, 36, 1974-1979.	2.1	2
375	Catalytic Rapid Pyrolysis of <i>Quercus variabilis</i> over Nanoporous Catalysts. Journal of Nanomaterials, 2015, 2015, .	2.9	3
376	Application of Recycled Zero-Valent Iron Nanoparticle to the Treatment of Wastewater Containing Nitrobenzene. Journal of Nanomaterials, 2015, 2015, .	2.9	16
377	Catalytic hydrodeoxygenation of 2-methoxy phenol and dibenzofuran over Pt/mesoporous zeolites. Energy, 2015, 81, 33-40.	9.1	88
378	Analytical pyrolysis properties of waste medium-density fiberboard and particle board. Journal of Industrial and Engineering Chemistry, 2015, 32, 345-352.	5.8	52

#	ARTICLE	IF	PR CITATIONS
379	Photo-catalytic destruction of ethylene using microwave discharge electrodeless lamp. Korean Journal of Chemical Engineering, 2015, 32, 1188-1193.	3.0	23
380	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.	2.7	11
381	Pyrolysis and catalytic upgrading of Citrus unshiu peel. Bioresource Technology, 2015, 194, 312-319.	9.7	70
382	Property and performance of red mud-based catalysts for the complete oxidation of volatile organic compounds. Journal of Hazardous Materials, 2015, 300, 104-113.	12.5	77
383	Catalytic fast pyrolysis of Geodae-Uksae 1 over zeolites. Energy, 2015, 81, 41-46.	9.1	27
384	Catalytic fast pyrolysis of waste pepper stems over HZSM-5. Renewable Energy, 2015, 79, 20-27.	9.2	37
385	Hydrodeoxygenation of Guaiacol Over Pt/Al-SBA-15 Catalysts. Journal of Nanoscience and Nanotechnology, 2015, 15, 527-531.	0.6	20
386	Analytical pyrolysis of waste paper laminated phenolic-printed circuit board (PLP-PCB). Journal of Analytical and Applied Pyrolysis, 2015, 115, 87-95.	5.9	59
387	Titanium dioxide modification with cobalt oxide nanoparticles for photocatalysis. Journal of Industrial and Engineering Chemistry, 2015, 32, 259-263.	5.8	50
388	Effect of surfactant, HCl and NH ₃ treatments on the regeneration of waste activated carbon used in selective catalytic reduction unit. Journal of Industrial and Engineering Chemistry, 2015, 32, 109-112.	5.8	22
389	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.	9.1	40
390	Photocatalytic reactions of 2,4-dichlorophenoxyacetic acid using a microwave-assisted photocatalysis system. Chemical Engineering Journal, 2015, 278, 259-264.	12.0	43
391	Catalytic conversion of waste particle board and polypropylene over H-beta and HY zeolites. Renewable Energy, 2015, 79, 9-13.	9.2	21
392	Effects of calcination and support on supported manganese catalysts for the catalytic oxidation of toluene as a model of VOCs. Research on Chemical Intermediates, 2015, 42, 185-199.	3.1	26
393	Oligomerization of endo-dicyclopentadiene using a mesoporous catalyst in a fixed-bed reactor. Research on Chemical Intermediates, 2015, 42, 47-55.	3.1	5
394	Catalytic upgrading of lignin derived bio-oil model compound using mesoporous solid catalysts. Research on Chemical Intermediates, 2015, 42, 3-17.	3.1	15
395	Removal of Cu ²⁺ by biochars derived from green macroalgae. Environmental Science and Pollution Research, 2015, 23, 985-994.	4.4	62
396	Preparation and Characterization of Copper Nanoparticles via the Liquid Phase Plasma Method. Current Nanoscience, 2014, 10, 7-10.	1.4	32

#	ARTICLE	IF	PR CITATIONS
397	Liquid Phase Plasma Synthesis of Iron Oxide/Carbon Composite as Dielectric Material for Capacitor. Journal of Nanomaterials, 2014, 2014, .	2.9	9
398	Photocatalytic Activity of Hierarchically Structured TiO ₂ Films Synthesized by Chemical Vapor Deposition. International Journal of Photoenergy, 2014, 2014, 1-7.	2.4	2
399	Effects of Acid Characteristics of Nanoporous MCM-48 on the Pyrolysis Product Distribution of Waste Pepper Stem. Journal of Nanomaterials, 2014, 2014, .	2.9	0
400	Photodegradation of HCFC-22 Using Microwave Discharge Electrodeless Mercury Lamp with TiO ₂ Photocatalyst Balls. Journal of Chemistry, 2014, 2014, 1-6.	2.2	5
401	Conversion of Kraft Lignin Over Hierarchical MFI Zeolite. Journal of Nanoscience and Nanotechnology, 2014, 14, 2414-2418.	0.6	19
402	Catalytic Upgrading of Xylan Over Mesoporous Y Catalyst. Journal of Nanoscience and Nanotechnology, 2014, 14, 2925-2930.	0.6	4
403	Removal of NO _x at Low Temperature Over Mesoporous Mn ₂ O ₃ Catalyst. Journal of Nanoscience and Nanotechnology, 2014, 14, 2527-2531.	0.6	14
404	Pyrolysis reaction characteristics of Korean pine (Pinus Koraiensis) nut shell. Journal of Analytical and Applied Pyrolysis, 2014, 110, 435-441.	5.9	57
405	Contribution of Dissolved Oxygen to Methyl Orange Decomposition by Liquid Phase Plasma Processes System. Ozone: Science and Engineering, 2014, 36, 244-248.	2.4	17
406	Pyrolysis of Suncheon-Bay wild reed over zeolite catalysts. Journal of Renewable and Sustainable Energy, 2014, 6, .	1.8	3
407	Reactor sizing for butane steam reforming over Ni and Ru catalysts. Korean Journal of Chemical Engineering, 2014, 31, 412-418.	3.0	6
408	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.	3.0	19
409	Oligomerization and isomerization of dicyclopentadiene over mesoporous materials produced from zeolite beta. Catalysis Today, 2014, 232, 69-74.	4.7	34
410	Slow pyrolysis of rice straw: Analysis of products properties, carbon and energy yields. Bioresource Technology, 2014, 155, 63-70.	9.7	277
411	Upgrading of bio-oil derived from biomass constituents over hierarchical unilamellar mesoporous MFI nanosheets. Catalysis Today, 2014, 232, 119-126.	4.7	71
412	Property of a highly active bimetallic catalyst based on a supported manganese oxide for the complete oxidation of toluene. Powder Technology, 2014, 266, 292-298.	4.5	74
413	Catalytic conversion of Laminaria japonica over microporous zeolites. Energy, 2014, 66, 2-6.	9.1	48
414	Influence of reaction conditions on bio-oil production from pyrolysis of construction waste wood. Renewable Energy, 2014, 65, 41-48.	9.2	52

#	ARTICLE	IF	PR CITATIONS
415	Selective hydroisomerization of n-dodecane over platinum supported on SAPO-11. Journal of Industrial and Engineering Chemistry, 2014, 20, 775-780.	5.8	36
416	Hydroisomerization of n-Dodecane Over Pt/Al-MCM-48 Catalysts. Journal of Nanoscience and Nanotechnology, 2014, 14, 3112-3116.	0.6	2
417	Catalytic Co-Pyrolysis of Waste Particle Board and Polypropylene Over Nanoporous Al-MCM-41 Catalysts. Journal of Nanoscience and Nanotechnology, 2014, 14, 8489-8494.	0.6	3
418	Application of Mesoporous Al-MCM-48 Material to the Conversion of Lignin. Journal of Nanoscience and Nanotechnology, 2014, 14, 2990-2995.	0.6	9
419	Non-Isothermal Pyrolysis of Citrus Unshiu Peel. Bioenergy Research, 2014, 8, 431-439.	2.7	42
420	Application of MCN-1 to the Adsorptive Removal of Indoor Formaldehyde. Science of Advanced Materials, 2014, 6, 1511-1515.	0.9	8
421	Catalytic Upgrading of Geodae-Uksae 1 over Mesoporous MCM-48 Catalysts. Bulletin of the Korean Chemical Society, 2014, 35, 1951-1955.	2.1	3
422	Biodiesel Production via the Transesterification of Soybean Oil Using Waste Starfish (Asterina) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	3.0	12
423	Comparison of biochar properties from biomass residues produced by slow pyrolysis at 500°C. Bioresource Technology, 2013, 148, 196-201.	9.7	577
424	Benzene oxidation with ozone over MnO /SBA-15 catalysts. Catalysis Today, 2013, 204, 108-113.	4.7	46
425	Removal characteristics of copper by marine macro-algae-derived chars. Chemical Engineering Journal, 2013, 217, 205-211.	12.0	75
426	Characteristics of biochar produced from slow pyrolysis of Geodae-Uksae 1. Bioresource Technology, 2013, 130, 345-350.	9.7	186
427	Hydroisomerization of n-dodecane over Pt/Y zeolites with different acid characteristics. Chemical Engineering Journal, 2013, 232, 111-117.	12.0	31
428	Characterization of cadmium removal from aqueous solution by biochar produced from a giant Miscanthus at different pyrolytic temperatures. Bioresource Technology, 2013, 138, 266-270.	9.7	342
429	Catalytic pyrolysis of mandarin residue from the mandarin juice processing industry. Bioresource Technology, 2013, 136, 431-436.	9.7	42
430	Catalytic conversion of particle board over microporous catalysts. Renewable Energy, 2013, 54, 105-110.	9.2	42
431	Selective oxidation of refractory sulfur compounds for the production of low sulfur transportation fuel. Korean Journal of Chemical Engineering, 2013, 30, 509-517.	3.0	36
432	Catalytic pyrolysis of biomass components over mesoporous catalysts using Py-GC/MS. Catalysis Today, 2013, 204, 170-178.	4.7	156

#	ARTICLE	IF	PR CITATIONS
433	Hydroconversion of <i>n</i> -Dodecane Over Nanoporous Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 714-717.	0.6	1
434	Catalytic Fast Pyrolysis of Lignin Over Mesoporous Y Zeolite Using Py-GC/MS. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2640-2646.	0.6	33
435	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.	0.6	3
436	Butanol Dehydration over V ₂ O ₅ -TiO ₂ /MCM-41 Catalysts Prepared via Liquid Phase Atomic Layer Deposition. <i>Materials</i> , 2013, 6, 1718-1729.	2.9	13
437	Pyrolysis Reaction Pathways of Waste Epoxy-Printed Circuit Board. <i>Environmental Engineering Science</i> , 2013, 30, 706-712.	1.8	48
438	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.	2.4	4
439	Development of a Moment Model for Condensational Obliteration of Nanoparticle Aggregates. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2008-2011.	0.6	2
440	Catalytic Pyrolysis of Waste Mandarin Over Nanoporous Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 718-721.	0.6	0
441	Fast pyrolysis of Medium-Density Fiberboard Using a Fluidized Bed Reactor. <i>Applied Chemistry for Engineering</i> , 2013, 24, 672-675.	0.3	12
442	Catalytic Gasification of Mandarin Waste Residue using Ni/CeO ₂ -ZrO ₂ . <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 3387-3390.	2.1	4
443	Catalytic Pyrolysis of Cellulose over SAPO-11 Using Py-GC/MS. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 2399-2402.	2.1	11
444	Adsorption Performance of Basic Gas over Pellet-type Adsorbents Prepared from Water Treatment Sludge. <i>Korean Chemical Engineering Research</i> , 2013, 51, 352-357.	0.2	4
445	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.	2.2	3
446	Catalytic Conversion of Waste Particle Board to Bio-Oil Using Nanoporous Catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 5367-5372.	0.6	10
447	Thermal and chemical regeneration of spent activated carbon and its adsorption property for toluene. <i>Chemical Engineering Journal</i> , 2012, 210, 500-509.	12.0	135
448	Preparation of Highly Dispersed Tungsten Oxide on MCM-41 via Atomic Layer Deposition and Its Application to Butanol Dehydration. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 6074-6079.	0.6	7
449	Catalytic Oxidation of Benzene with Ozone Over Nanoporous Mn/MCM-48 Catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 5942-5946.	0.6	16
450	Direct coating of V ₂ O ₅ /TiO ₂ nanoparticles onto glass beads by chemical vapor deposition. <i>Powder Technology</i> , 2012, 231, 135-140.	4.5	30

#	ARTICLE	IF	PR CITATIONS
451	Upgrading of biofuel by the catalytic deoxygenation of biomass. Korean Journal of Chemical Engineering, 2012, 29, 1657-1665.	3.0	94
452	Production of Biohydrogen by Aqueous Phase Reforming of Polyols over Platinum Catalysts Supported on Three-Dimensionally Bimodal Mesoporous Carbon. ChemSusChem, 2012, 5, 629-633.	6.2	23
453	Catalytic roles of metals and supports on hydrodeoxygenation of lignin monomer guaiacol. Catalysis Communications, 2012, 17, 54-58.	4.5	349
454	Low temperature selective catalytic reduction of NO with NH ₃ over Mn supported on Ce _{0.65} Zr _{0.35} O ₂ prepared by supercritical method: Effect of Mn precursors on NO reduction. Catalysis Today, 2012, 185, 290-295.	4.7	42
455	Synthesis of butenes through 2-butanol dehydration over mesoporous materials produced from ferrierite. Catalysis Today, 2012, 185, 191-197.	4.7	27
456	One step simultaneous synthesis of modified-CVD-made V ₂ O ₅ /TiO ₂ nanocomposite particles. Ceramics International, 2012, 38, 2613-2618.	5.4	15
457	Production of phenolics and aromatics by pyrolysis of miscanthus. Fuel, 2012, 97, 379-384.	7.5	117
458	Wild reed of Suncheon Bay: Potential bio-energy source. Renewable Energy, 2012, 42, 168-172.	9.2	37
459	Effects of operation conditions on pyrolysis characteristics of agricultural residues. Renewable Energy, 2012, 42, 125-130.	9.2	61
460	Catalytic Pyrolysis of Oil Fractions Separated from Food Waste Leachate Over Nanoporous Acid Catalysts. Journal of Nanoscience and Nanotechnology, 2011, 11, 6167-6171.	0.6	4
461	Simulation of Coagulation and Sintering of Nano-Structured Particles Using the Moment Method. Journal of Nanoscience and Nanotechnology, 2011, 11, 1664-1667.	0.6	1
462	Utilization of a By-Product Produced from Oxidative Desulfurization Process Over Cs-Mesoporous Silica Catalysts. Journal of Nanoscience and Nanotechnology, 2011, 11, 1706-1709.	0.6	4
463	Catalytic Pyrolysis of Oilsand Bitumen Over Nanoporous Catalysts. Journal of Nanoscience and Nanotechnology, 2011, 11, 759-762.	0.6	15
464	Relative Impacts of Sintering and Condensational Obliteration on Nanoparticle Structure. Journal of Nanoscience and Nanotechnology, 2011, 11, 7467-7470.	0.6	0
465	The synthesis and coating process of TiO ₂ nanoparticles using CVD process. Powder Technology, 2011, 214, 64-68.	4.5	95
466	Effect of calcination temperature on the oxidation of benzene with ozone at low temperature over mesoporous γ -Mn ₂ O ₃ . Powder Technology, 2011, 214, 458-462.	4.5	39
467	Regeneration of field-spent activated carbon catalysts for low-temperature selective catalytic reduction of NO _x with NH ₃ . Chemical Engineering Journal, 2011, 174, 242-248.	12.0	26
468	Catalytic Vapor Cracking for Improvement of Bio-Oil Quality. Catalysis Surveys From Asia, 2011, 15, 161-180.	1.7	69

#	ARTICLE	IF	PR CITATIONS
469	Synthesis of highly ordered mesoporous CeO ₂ and low temperature CO oxidation over Pd/mesoporous CeO ₂ . Research on Chemical Intermediates, 2011, 37, 1181-1192.	3.1	11
470	Selective hydroisomerization of n-dodecane over platinum supported on zeolites. Research on Chemical Intermediates, 2011, 37, 1215-1223.	3.1	18
471	Effects of dual initiators and catalytic additives on atom transfer radical polymerization of styrene. Research on Chemical Intermediates, 2011, 37, 1257-1265.	3.1	2
472	The application of Py-GC/MS for the catalytic upgrading of oil separated from summer food waste leachate. Research on Chemical Intermediates, 2011, 37, 1283-1291.	3.1	6
473	Catalytic pyrolysis of waste wood chip over mesoporous materials using Py-GC/MS. Research on Chemical Intermediates, 2011, 37, 1355-1361.	3.1	11
474	The promotion effect of catalytic activity by Ru substitution at the B site of La _{1-x} Sr _x Cr _{1-y} Ru _y O _{3-z} for propane steam reforming. Research on Chemical Intermediates, 2011, 37, 1313-1324.	3.1	3
475	Comparison of removal ability of indoor formaldehyde over different materials functionalized with various amine groups. Journal of Industrial and Engineering Chemistry, 2011, 17, 1-5.	5.8	79
476	The characteristics of bio-oil produced from the pyrolysis of three marine macroalgae. Bioresource Technology, 2011, 102, 3512-3520.	9.7	268
477	Copyrolysis of block polypropylene with waste wood chip. Korean Journal of Chemical Engineering, 2011, 28, 497-501.	3.0	46
478	The removal of low concentration formaldehyde over sewage sludge char treated using various methods. Korean Journal of Chemical Engineering, 2011, 28, 1556-1560.	3.0	21
479	Synthesis of biodiesel from an oil fraction separated from food waste leachate. Korean Journal of Chemical Engineering, 2011, 28, 2287-2292.	3.0	15
480	The pyrolysis of waste mandarin residue using thermogravimetric analysis and a batch reactor. Korean Journal of Chemical Engineering, 2011, 28, 1867-1872.	3.0	19
481	Pyrolysis properties and kinetics of mandarin peel. Korean Journal of Chemical Engineering, 2011, 28, 2012-2016.	3.0	34
482	Catalytic upgrading of oil fractions separated from food waste leachate. Bioresource Technology, 2011, 102, 3952-3957.	9.7	60
483	Removal of Cu(II)-ion over amine-functionalized mesoporous silica materials. Journal of Industrial and Engineering Chemistry, 2011, 17, 504-509.	5.8	45
484	Thermal degradation of plywood with block polypropylene in TG and batch reactor system. Journal of Industrial and Engineering Chemistry, 2011, 17, 549-553.	5.8	35
485	Synthesis of anionic multichain type surfactant and its effect on methane gas hydrate formation. Journal of Industrial and Engineering Chemistry, 2011, 17, 120-124.	5.8	49
486	Preparation of mesoporous V ₂ O ₅ /TiO ₂ via spray pyrolysis and its application to the catalytic conversion of 1, 2-dichlorobenzene. Journal of Industrial and Engineering Chemistry, 2011, 17, 144-148.	5.8	23

#	ARTICLE	IF	PR CITATIONS
487	MoO ₃ /SiO ₂ catalysts for double bond migration of 2-butene. Journal of Industrial and Engineering Chemistry, 2011, 17, 186-190.	5.8	22
488	Pyrolysis of an LDPE-LLDPE-EVA copolymer mixture over various mesoporous catalysts. Korean Journal of Chemical Engineering, 2011, 29, 196-200.	3.0	12
489	Catalytic Conversion of 1,2-Dichlorobenzene Over Mesoporous Materials from Zeolite. Journal of Nanoscience and Nanotechnology, 2010, 10, 3639-3642.	0.6	5
490	Application of Hierarchical MFI Zeolite for the Catalytic Pyrolysis of Japanese Larch. Journal of Nanoscience and Nanotechnology, 2010, 10, 355-359.	0.6	41
491	Catalytic pyrolysis of Japanese larch using spent HZSM-5. Korean Journal of Chemical Engineering, 2010, 27, 73-75.	3.0	34
492	The effect of PtRuW ternary electrocatalysts on methanol oxidation reaction in direct methanol fuel cells. Korean Journal of Chemical Engineering, 2010, 27, 802-806.	3.0	6
493	Catalytic degradation of polyethylene over SBA-16. Korean Journal of Chemical Engineering, 2010, 27, 1446-1451.	3.0	35
494	Catalytic degradation of high-density polyethylene over SAPO-34 synthesized with various templates. Korean Journal of Chemical Engineering, 2010, 27, 1768-1772.	3.0	13
495	Deoxydesulfurization of dibenzothiophene sulfone over cesium/MCM-41 catalysts. Research on Chemical Intermediates, 2010, 36, 669-676.	3.1	4
496	Cyclodextrin-modified MCM-41 for selective double bond migration. Research on Chemical Intermediates, 2010, 36, 661-667.	3.1	4
497	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.	20.5	282
498	Fast pyrolysis of rice husk under different reaction conditions. Journal of Industrial and Engineering Chemistry, 2010, 16, 27-31.	5.8	143
499	Pyrolysis kinetics and decomposition characteristics of pine trees. Bioresource Technology, 2010, 101, 9797-9802.	9.7	103
500	The low-temperature SCR of NO over rice straw and sewage sludge derived char. Chemical Engineering Journal, 2010, 156, 321-327.	12.0	125
501	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.	9.7	187
502	Bio-oil production from fast pyrolysis of waste furniture sawdust in a fluidized bed. Bioresource Technology, 2010, 101, S91-S96.	9.7	260
503	Clean bio-oil production from fast pyrolysis of sewage sludge: Effects of reaction conditions and metal oxide catalysts. Bioresource Technology, 2010, 101, S83-S85.	9.7	177
504	Influence of operation variables on fast pyrolysis of Miscanthus sinensis var. purpurascens. Bioresource Technology, 2010, 101, 3672-3677.	9.7	113

#	ARTICLE	IF	PR CITATIONS
505	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.	2.4	7
506	NH ₃ selective catalytic reduction (SCR) of nitrogen oxides (NO _x) over activated sewage sludge char. <i>Korean Journal of Chemical Engineering</i> , 2010, 28, 106-113.	3.0	43
507	Chemical compositional distribution of ethylene-1-butene copolymer prepared with heterogeneous ziegler-natta catalyst: TREF and crystaf analysis. <i>Macromolecular Research</i> , 2009, 17, 296-300.	2.8	11
508	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.	4.7	55
509	Pyrolysis characteristics of Oriental white oak: Kinetic study and fast pyrolysis in a fluidized bed with an improved reaction system. <i>Fuel Processing Technology</i> , 2009, 90, 186-195.	7.6	101
510	Acute Toxicity and Tissue Distribution of Cerium Oxide Nanoparticles by a Single Oral Administration in Rats. <i>Toxicological Research</i> , 2009, 25, 79-84.	2.2	26
511	Pyrolysis of polypropylene over mesoporous MCM-48 material. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1125-1128.	4.7	42
512	Effects of the operating parameters on the production of bio-oil in the fast pyrolysis of Japanese larch. <i>Chemical Engineering Journal</i> , 2008, 143, 124-132.	12.0	143
513	Catalytic degradation of polyethylene over ferrierite. <i>Research on Chemical Intermediates</i> , 2008, 34, 727-735.	3.1	13
514	Novel hybrid technology for VOC control using an electron beam and catalyst. <i>Research on Chemical Intermediates</i> , 2008, 34, 863-870.	3.1	20
515	Effect of reduction temperature on the preparation of zero-valent iron aerogels for trichloroethylene dechlorination. <i>Korean Journal of Chemical Engineering</i> , 2008, 25, 1377-1384.	3.0	5
516	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.	4.7	68
517	Synthesis of Nanoporous Material from Zeolite USY and Catalytic Application to Bio-Oil Conversion. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5439-5444.	0.6	25
518	Selective Synthesis of 1-butene through Positional Isomerisation of 2-butene over Mesoporous Silica MCM-41. <i>Catalysis Letters</i> , 2007, 119, 179-184.	2.1	23
519	Calixarene Derivatives as Novel Nanopore Generators for Templates of Nanoporous Thin Films. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 369-376.	4.1	6
520	Thermal pyrolysis of fresh and waste fishing nets. <i>Waste Management</i> , 2005, 25, 811-817.	7.2	34
521	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. <i>Energy & Fuels</i> , 2005, 19, 2179-2184.	5.2	101
522	Development of adsorption buffer and pressure swing adsorption (PSA) unit for gasoline vapor recovery. <i>Korean Journal of Chemical Engineering</i> , 2004, 21, 676-679.	3.0	10

#	ARTICLE	IF	PR CITATIONS
523	Robust numerical simulation of pressure swing adsorption process with strong adsorbate CO ₂ . Chemical Engineering Science, 2004, 59, 2715-2725.	4.0	20
524	Hydrocarbon synthesis through CO ₂ hydrogenation over CuZnOZrO ₂ /zeolite hybrid catalysts. Catalysis Today, 1998, 44, 165-173.	4.7	44
525	Selective synthesis of C ₃ –C ₄ hydrocarbons through carbon dioxide hydrogenation on hybrid catalysts composed of a methanol synthesis catalyst and SAPO. Applied Catalysis A: General, 1995, 124, 91-106.	4.6	24