

# Young-Kwon Park

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

503  
papers

11,358  
citations

49  
h-index

84  
g-index

520  
ext. papers

14,443  
ext. citations

6.1  
avg, IF

6.98  
L-index

#	Paper	IF	Citations
503	Techno-Economical Evaluation of Bio-Oil Production via Biomass Fast Pyrolysis Process: A Review. <i>Frontiers in Energy Research</i> , <b>2022</b> , 9,	3.8	2
502	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. <i>Chemical Engineering Journal</i> , <b>2022</b> , 434, 134743	14.7	3
501	Catalytic cracking of polystyrene pyrolysis oil: Effect of NbO and NiO/NbO catalyst on the liquid product composition.. <i>Waste Management</i> , <b>2022</b> , 141, 240-250	8.6	2
500	Conversion of biomass blends (walnut shell and pearl millet) for the production of solid biofuel via torrefaction under different conditions.. <i>Chemosphere</i> , <b>2022</b> , 133894	8.4	1
499	Recent advancements on the sustainable biochar based semiconducting materials for photocatalytic applications: A state of the art review. <i>Journal of Cleaner Production</i> , <b>2022</b> , 330, 129899	10.3	5
498	Sustainable valorization of algae biomass via thermochemical processing route: An overview. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126399	11	3
497	Effect of torrefaction and fractional condensation on the quality of bio-oil from biomass pyrolysis for fuel applications. <i>Fuel</i> , <b>2022</b> , 312, 122959	7.1	1
496	Catalytic removal of volatile organic compounds using black mass from spent batteries. <i>Korean Journal of Chemical Engineering</i> , <b>2022</b> , 39, 161	2.8	0
495	Progress in thermochemical conversion of aquatic weeds in shellfish aquaculture for biofuel generation: Technical and economic perspectives. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126202	11	5
494	Recent advances of thermochemical conversion processes for biorefinery. <i>Bioresource Technology</i> , <b>2022</b> , 343, 126109	11	15
493	Increased aromatics production by co-feeding waste oil sludge to the catalytic pyrolysis of cellulose. <i>Energy</i> , <b>2022</b> , 239, 122331	7.9	3
492	Investigation of the thermodynamic performance of an existing steam power plant via energy and exergy analyses to restrain the environmental repercussions: A simulation study. <i>Environmental Engineering Research</i> , <b>2022</b> , 27, 200683-0	3.6	4
491	Enhanced degradation of ultra-violet stabilizer Bis(4-hydroxy)benzophenone using oxone catalyzed by hexagonal nanoplate-assembled CoS 3-dimensional cluster. <i>Chemosphere</i> , <b>2022</b> , 288, 132427	8.4	2
490	Valorization of hazardous COVID-19 mask waste while minimizing hazardous byproducts using catalytic gasification. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127222	12.8	6
489	Microalgal-based biochar in wastewater remediation: Its synthesis, characterization and applications. <i>Environmental Research</i> , <b>2022</b> , 204, 111966	7.9	12
488	Hydrogen-rich gas production via steam gasification of food waste over basic oxides (MgO/CaO/SrO) promoted-Ni/AlO catalysts. <i>Chemosphere</i> , <b>2022</b> , 287, 132224	8.4	2
487	Suppression of the hazardous substances in catalytically upgraded bio-heavy oil as a precautionary measure for clean air pollution controls. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 421, 126732	12.8	0

486	Microwave co-pyrolysis for simultaneous disposal of environmentally hazardous hospital plastic waste, lignocellulosic, and triglyceride biowaste. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127096	12.8	9
485	Mini review on H <sub>2</sub> production from electrochemical water splitting according to special nanostructured morphology of electrocatalysts. <i>Fuel</i> , <b>2022</b> , 308, 122048	7.1	14
484	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 <sub>2</sub> O <sub>3</sub> for CO <sub>2</sub> methanation. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131393	14.7	1
483	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> , <b>2022</b> , 154968	10.2	0
482	Technical benefits of using methane as a pyrolysis medium for catalytic pyrolysis of Kraft Lignin.. <i>Bioresource Technology</i> , <b>2022</b> , 127131	11	0
481	Integrated hydrothermal and deep eutectic solvent-mediated fractionation of lignocellulosic biocomponents for enhanced accessibility and efficient conversion in anaerobic digestion.. <i>Bioresource Technology</i> , <b>2022</b> , 127034	11	0
480	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> , <b>2022</b> , 441, 136063	14.7	1
479	Management status and policy direction of submerged marine debris for improvement of port environment in Korea. <i>Open Geosciences</i> , <b>2022</b> , 14, 443-452	1.3	0
478	Ultrasound process-enhanced removal of the toxic disinfection by-product bromate from water by aluminum: A comparative study.. <i>Water Environment Research</i> , <b>2022</b> , 94, e10720	2.8	
477	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> , <b>2022</b> , 261, 115607	10.6	1
476	Valorization of furniture industry-processed residue via catalytic pyrolysis with methane. <i>Energy Conversion and Management</i> , <b>2022</b> , 261, 115652	10.6	1
475	Catalytic pyrolysis of chicken manure over various catalysts. <i>Fuel</i> , <b>2022</b> , 322, 124241	7.1	0
474	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> , <b>2022</b> , 137215	14.7	1
473	Kinetic Analysis for the Catalytic Pyrolysis of Polypropylene over Low Cost Mineral Catalysts. <i>Sustainability</i> , <b>2021</b> , 13, 13386	3.6	1
472	Upgrading spent battery separator into syngas and hydrocarbons through CO <sub>2</sub> -Assisted thermochemical platform. <i>Energy</i> , <b>2021</b> , 122552	7.9	1
471	Biohydrogen production from furniture waste via catalytic gasification in air over Ni-loaded Ultra-stable Y-type zeolite. <i>Chemical Engineering Journal</i> , <b>2021</b> , 133793	14.7	4
470	A review on integrated thermochemical hydrogen production from water. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 47, 4346-4346	6.7	5
469	Chemical Feedstock Recovery via the Pyrolysis of Electronically Heated Tobacco Wastes. <i>Sustainability</i> , <b>2021</b> , 13, 12856	3.6	

468	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> , <b>2021</b> , 613, 168-181	9.3	2
467	Recent advances of hybrid solar - Biomass thermo-chemical conversion systems.. <i>Chemosphere</i> , <b>2021</b> , 290, 133245	8.4	2
466	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> , <b>2021</b> , 290, 133374	8.4	0
465	Progress of the Pyrolyzer Reactors and Advanced Technologies for Biomass Pyrolysis Processing. <i>Sustainability</i> , <b>2021</b> , 13, 11061	3.6	10
464	Biofuel Production as an Example of Virtuous Valorization of Swine Manure. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 13761-13772	8.3	2
463	A Comparative Study on Hexavalent Chromium Adsorption onto Chitosan and Chitosan-Based Composites. <i>Polymers</i> , <b>2021</b> , 13,	4.5	4
462	Systematic Assessment of Visible-Light-Driven Microspherical VO Photocatalyst for the Removal of Hazardous Organosulfur Compounds from Diesel. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	5
461	Decomposition of naproxen by plasma in liquid process with TiO photocatalysts and hydrogen peroxide. <i>Environmental Research</i> , <b>2021</b> , 195, 110899	7.9	1
460	Co-Combustion of Blends of Coal and Underutilised Biomass Residues for Environmental Friendly Electrical Energy Production. <i>Sustainability</i> , <b>2021</b> , 13, 4881	3.6	4
459	Biodiesel synthesis from bio-heavy oil through thermally induced transesterification. <i>Journal of Cleaner Production</i> , <b>2021</b> , 294, 126347	10.3	10
458	Effective toluene oxidation under ozone over mesoporous MnO/FAO catalyst prepared by solvent deficient method: Effect of Mn precursors on catalytic activity. <i>Environmental Research</i> , <b>2021</b> , 195, 110876	7.9	5
457	Biodiesel production from jatropha seeds with bead-type heterogeneous catalyst. <i>Korean Journal of Chemical Engineering</i> , <b>2021</b> , 38, 763-770	2.8	2
456	Development of highly efficient solid acid catalysts supported on mesoporous KIT-6 for esterification of oleic acid. <i>Korean Journal of Chemical Engineering</i> , <b>2021</b> , 38, 966-974	2.8	3
455	In-situ catalytic co-pyrolysis of kukersite oil shale with black pine wood over acid zeolites. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2021</b> , 155, 105050	6	5
454	Effect of high energy ball milling and low temperature densification of plate-like alumina powder. <i>Powder Technology</i> , <b>2021</b> , 383, 84-92	5.2	4
453	Characterization and Thermal Behavior Study of Biomass from Invasive <i>Acacia mangium</i> Species in Brunei Preceding Thermochemical Conversion. <i>Sustainability</i> , <b>2021</b> , 13, 5249	3.6	5
452	Synthesis of different biofuels from livestock waste materials and their potential as sustainable feedstocks [A review]. <i>Energy Conversion and Management</i> , <b>2021</b> , 236, 114038	10.6	34
451	Bimetallic Ni-Re catalysts for the efficient hydrodeoxygenation of biomass-derived phenols. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 16349-16361	4.5	3

450	High-quality oil production via the catalytic conversion of printed circuit boards. <i>Journal of Cleaner Production</i> , <b>2021</b> , 296, 126614	10.3	3
449	Biohydrogen synthesis from catalytic steam gasification of furniture waste using nickel catalysts supported on modified CeO <sub>2</sub> . <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 16603-16611	6.7	9
448	Treatment of phenol wastewater using nitrogen-doped magnetic mesoporous hollow carbon. <i>Chemosphere</i> , <b>2021</b> , 271, 129595	8.4	8
447	Strategic disposal of flood debris via CO-assisted catalytic pyrolysis. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 412, 125242	12.8	3
446	Performance Analysis of the Perhydro-Dibenzyl-Toluene Dehydrogenation System A Simulation Study. <i>Sustainability</i> , <b>2021</b> , 13, 6490	3.6	0
445	Oxidative desulfurization of refinery diesel pool fractions using LaVO <sub>4</sub> photocatalyst. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 98, 283-288	6.3	8
444	A comprehensive numerical design of firefighting systems for onshore petroleum installations. <i>Korean Journal of Chemical Engineering</i> , <b>2021</b> , 38, 1-13	2.8	1
443	Comprehensive kinetic study of Imperata Cylindrica pyrolysis via Asym2sig deconvolution and combined kinetics. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2021</b> , 156, 105133	6	7
442	Catalytic pyrolysis of plastics derived from end-of-life-vehicles (ELVs) under the CO <sub>2</sub> environment. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 16781-16793	4.5	3
441	Castor Leaves-Based Biochar for Adsorption of Safranin from Textile Wastewater. <i>Sustainability</i> , <b>2021</b> , 13, 6926	3.6	5
440	Conversion of Multicyclic Hydrocarbons to Mono-Aromatic Hydrocarbons Over CoMo/Zeolite Socony Mobil-5 Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 3819-3823	1.3	
439	The Use of Low Cost Nanoporous Catalysts on the Catalytic Pyrolysis of Polyethylene Terephthalate. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 4121-4124	1.3	
438	Catalytic Performance of Supported Bimetallic Catalysts for Complete Oxidation of Toluene. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 4060-4066	1.3	
437	Emulsification of Catalytic Pyrolysis Oil from Nanoporous Zeolite Socony Mobil-5 with Diesel Using a Range of Emulsifiers in an Ultrasonicator. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 3955-3959	1.3	
436	Pore volume upgrade of biochar from spent coffee grounds by sodium bicarbonate during torrefaction. <i>Chemosphere</i> , <b>2021</b> , 275, 129999	8.4	5
435	Catalytic Pyrolysis of Waste Root Over Al-MCM-41. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 4081-4084	1.3	
434	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> , <b>2021</b> , 21, 3868-3871	1.3	1
433	Effective reduction plan for greenhouse gas inventories of local governments. <i>Energy and Environment</i> , <b>2021</b> , 32, 62-74	2.4	2

432	Investigation of the activity and selectivity of supported rhenium catalysts for the hydrodeoxygenation of 2-methoxyphenol. <i>Catalysis Today</i> , <b>2021</b> , 375, 164-173	5.3	4
431	Performance of platinum doping on spent alkaline battery-based catalyst for complete oxidation of o-xylene. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 24552-24557	5.1	
430	Biohydrogen production from catalytic conversion of food waste via steam and air gasification using eggshell- and homo-type Ni/AlO catalysts. <i>Bioresource Technology</i> , <b>2021</b> , 320, 124313	11	25
429	Bio-oil upgrading through hydrogen transfer reactions in supercritical solvents. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126527	14.7	26
428	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> , <b>2021</b> , 32, 367-379	2.4	
427	Effect of the two-stage process comprised of ether extraction and supercritical hydrodeoxygenation on pyrolysis oil upgrading. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126531	14.7	3
426	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> , <b>2021</b> , 403, 123934	12.8	15
425	Recycling of a spent alkaline battery as a catalyst for the total oxidation of hydrocarbons. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 403, 123929	12.8	4
424	Development of PM and PM cyclones for small sampling ports at stationary sources: Numerical and experimental study. <i>Environmental Research</i> , <b>2021</b> , 193, 110507	7.9	6
423	Catalytic upgrading of Quercus Mongolica under methane environment to obtain high yield of bioaromatics. <i>Environmental Pollution</i> , <b>2021</b> , 272, 116016	9.3	4
422	Potential for sustainable utilisation of agricultural residues for bioenergy production in Pakistan: An overview. <i>Journal of Cleaner Production</i> , <b>2021</b> , 287, 125047	10.3	11
421	Linear low-density polyethylene gasification over highly active Ni/CeO <sub>2</sub> -ZrO <sub>2</sub> catalyst for enhanced hydrogen generation. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 94, 336-342	6.3	16
420	Copper promoted Co/MgO: A stable and efficient catalyst for glycerol steam reforming. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 18073-18084	6.7	21
419	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> , <b>2021</b> , 46, 18085-18092	6.7	8
418	Catalytic hydrodeoxygenation for upgrading of lignin-derived bio-oils <b>2021</b> , 129-145		1
417	Recent applications of the liquid phase plasma process. <i>Korean Journal of Chemical Engineering</i> , <b>2021</b> , 38, 885-898	2.8	4
416	Upgrading of sulfur-containing biogas into high quality fuel via oxidative coupling of methane. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 19363	4.5	2
415	Kinetic Analysis for the Catalytic Pyrolysis of Wood Plastic Composite Over Al-MCM-41. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 3872-3876	1.3	

4 <sup>14</sup>	Catalytic Gasification of Rice Hull Using Municipal Solid Waste Incineration Bottom Ash. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 3764-3768	1.3	0
4 <sup>13</sup>	Catalytic Pyrolysis of Seawater Aged Polypropylene Over HZSM-5, HY, and Al-MCM-41. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 3971-3974	1.3	
4 <sup>12</sup>	Removal of Cr by Modified Biochar Derived from Corn Husk. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 3965-3970	1.3	0
4 <sup>11</sup>	Nanoporous Alumina Membranes for Sugar Industry: An Investigation of Sintering Parameters Influence on Ultrafiltration Performance. <i>Sustainability</i> , <b>2021</b> , 13, 7593	3.6	1
4 <sup>10</sup>	Hydrogenation of Ethylbenzene Over Ru/Al <sub>2</sub> O <sub>3</sub> Catalyst in Trickle-Bed Reactor. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 4116-4120	1.3	
4 <sup>09</sup>	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> , <b>2021</b> , 276, 130209	8.4	1
4 <sup>08</sup>	Valorization of rice husk to aromatics via thermocatalytic conversion in the presence of decomposed methane. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 129264	14.7	8
4 <sup>07</sup>	Production of value-added aromatics from wasted COVID-19 mask via catalytic pyrolysis. <i>Environmental Pollution</i> , <b>2021</b> , 283, 117060	9.3	27
4 <sup>06</sup>	Bioremediation strategies with biochar for polychlorinated biphenyls (PCBs)-contaminated soils: A review. <i>Environmental Research</i> , <b>2021</b> , 200, 111757	7.9	9
4 <sup>05</sup>	Ozone-assisted oxidation of methyl ethyl ketone over mesoporous MnOx/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Materials Letters</i> , <b>2021</b> , 299, 130105	3.3	1
4 <sup>04</sup>	Reaction Characteristics of NO <sub>x</sub> and N <sub>2</sub> O in Selective Non-Catalytic Reduction Using Various Reducing Agents and Additives. <i>Atmosphere</i> , <b>2021</b> , 12, 1175	2.7	
4 <sup>03</sup>	Effect of eggshell- and homo-type Ni/AlO catalysts on the pyrolysis of food waste under CO atmosphere. <i>Journal of Environmental Management</i> , <b>2021</b> , 294, 112959	7.9	2
4 <sup>02</sup>	Different pyrolysis kinetics and product distribution of municipal and livestock manure sewage sludge. <i>Environmental Pollution</i> , <b>2021</b> , 285, 117197	9.3	2
4 <sup>01</sup>	Processing of lignocellulose in ionic liquids: A cleaner and sustainable approach. <i>Journal of Cleaner Production</i> , <b>2021</b> , 129189	10.3	5
4 <sup>00</sup>	Development of hierarchically porous LaVO <sub>4</sub> for efficient visible-light-driven photocatalytic desulfurization of diesel. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 130529	14.7	13
399	Hydrolysis Reaction and Amorphization of Ce-Ti Oxide Catalysts During Synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 4931-4935	1.3	
398	Syntrophic metabolism facilitates Methanosarcina-led methanation in the anaerobic digestion of lipidic slaughterhouse waste. <i>Bioresource Technology</i> , <b>2021</b> , 335, 125250	11	8
397	Performance of CO and Fe-modified lignin char on arsenic (V) removal from water. <i>Chemosphere</i> , <b>2021</b> , 279, 130521	8.4	6

396	Valorization of municipal wastes using co-pyrolysis for green energy production, energy security, and environmental sustainability: A review. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 129749	14.7	33
395	Effect of desilication of HZSM-5 on the catalytic pyrolysis of polystyrene. <i>Materials Letters</i> , <b>2021</b> , 300, 130107	3.3	2
394	Catalytic steam gasification of food waste using Ni-loaded rice husk derived biochar for hydrogen production. <i>Chemosphere</i> , <b>2021</b> , 280, 130671	8.4	11
393	Chemical recycling of plastic waste via thermocatalytic routes. <i>Journal of Cleaner Production</i> , <b>2021</b> , 321, 128989	10.3	19
392	Fast hydrolysis of biomass Conversion: A comparative review. <i>Bioresource Technology</i> , <b>2021</b> , 342, 126067	11	6
391	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. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106064	6.8	15
390	Synergistic effects of CO 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> , <b>2021</b> , 419, 126537	12.8	4
389	Catalytic pyrolysis of polypropylene over Ga loaded HZSM-5. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 103, 136-141	6.3	6
388	Progress in the torrefaction technology for upgrading oil palm wastes to energy-dense biochar: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 151, 111645	16.2	5
387	Microalgae and ammonia: A review on inter-relationship. <i>Fuel</i> , <b>2021</b> , 303, 121303	7.1	29
386	Waste furniture gasification using rice husk based char catalysts for enhanced hydrogen generation. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125813	11	4
385	Preparation and Characterization of Silver-Iron Bimetallic Nanoparticles on Activated Carbon Using Plasma in Liquid Process.. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
384	Assessing the Theoretical Prospects of Bioethanol Production as a Biofuel from Agricultural Residues in Bangladesh: A Review. <i>Sustainability</i> , <b>2020</b> , 12, 8583	3.6	8
383	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> , <b>2020</b> , 396, 125175	14.7	14
382	Recent advances in catalytic co-pyrolysis of biomass and plastic waste for the production of petroleum-like hydrocarbons. <i>Bioresource Technology</i> , <b>2020</b> , 310, 123473	11	88
381	Catalytic ozonation of toluene using Mn-M bimetallic HZSM-5 (M: Fe, Cu, Ru, Ag) catalysts at room temperature. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 397, 122577	12.8	28
380	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> , <b>2020</b> , 39, 101182	7.6	14
379	Using low carbon footprint high-pressure carbon dioxide in bioconversion of aspen branch waste for sustainable bioethanol production. <i>Bioresource Technology</i> , <b>2020</b> , 313, 123675	11	8



378	CO <sub>2</sub> -Mediated catalytic pyrolysis of rice straw for syngas production and power generation. <i>Energy Conversion and Management</i> , <b>2020</b> , 220, 113057	10.6	14
377	Catalytic Pyrolysis of Tetra Pak over Acidic Catalysts. <i>Catalysts</i> , <b>2020</b> , 10, 602	4	12
376	Assessing the photocatalytic activity of europium doped TiO <sub>2</sub> using liquid phase plasma process on acetylsalicylic acid. <i>Catalysis Today</i> , <b>2020</b> ,	5.3	2
375	Enhanced bioaromatics synthesis via catalytic co-pyrolysis of cellulose and spent coffee ground over microporous HZSM-5 and HY. <i>Environmental Research</i> , <b>2020</b> , 184, 109311	7.9	6
374	Comparative study of greenhouse gas emissions between national government and local governments in Korea. <i>Energy and Environment</i> , <b>2020</b> , 31, 1403-1415	2.4	1
373	Functional use of CO <sub>2</sub> for environmentally benign production of hydrogen through catalytic pyrolysis of polymeric waste. <i>Chemical Engineering Journal</i> , <b>2020</b> , 399, 125889	14.7	15
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370	Direct conversion of NO and SO in flue gas into fertilizer using ammonia and ozone. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 397, 122581	12.8	12
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361	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> , <b>2020</b> , 213, 112728	10.6	6

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358	Catalytic Pyrolysis of Polyethylene Terephthalate Over Desilicated Beta. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2020</b> , 20, 5594-5598	1.3	0
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356	Yellow Poplar Gasification Over Ni Silicate and Ni/Silica. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2020</b> , 20, 5667-5670	1.3	
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352	A new biorefinery platform for producing (C) bioalcohols through the biological/chemical hybridization process. <i>Bioresource Technology</i> , <b>2020</b> , 311, 123568	11	19
351	Characteristics of hydrogen production by photocatalytic water splitting using liquid phase plasma over Ag-doped TiO photocatalysts. <i>Environmental Research</i> , <b>2020</b> , 188, 109630	7.9	21
350	Survey of perfluorinated compounds in consumer products by liquid chromatography tandem mass spectrometry. <i>Energy and Environment</i> , <b>2020</b> , 31, 713-729	2.4	1
349	Bioelectrochemical systems for a circular bioeconomy. <i>Bioresource Technology</i> , <b>2020</b> , 300, 122748	11	45
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294	Removal of toluene using ozone at room temperature over mesoporous Mn/AlO catalysts. <i>Environmental Research</i> , <b>2019</b> , 172, 649-657	7.9	27
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240	Catalytic Pyrolysis of Korean Pine () Nut Shell Over Mesoporous Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 1351-1355	1.3	0
239	Facile Synthesis and Characterization of Zinc Oxide Nanoparticle on Activated Carbon Using Liquid Phase Plasma Method. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 2181-2184	1.3	
238	Estrogenicity of Octyl Glucoside Synthesized by Direct Glucosidation as Non-Endocrine Disruptive Surfactant. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 1478-1481	1.3	
237	Precipitation of Nickel Oxide on TiO <sub>2</sub> Photocatalysts for Enhanced Visible Degradation Activity. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 1279-1282	1.3	
236	Characterization of Pt-Based Catalyst by Consecutive Experiments of Toluene Oxidation. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 1487-1491	1.3	
235	Catalytic Pyrolysis of Municipal Plastic Film Wastes Over Nanoporous Al-MCM-41. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 1078-1082	1.3	6



234	Suppressed char agglomeration by rotary kiln reactor with alumina ball during the pyrolysis of Kraft lignin. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 66, 72-77	6.3	28
233	Removal of Food Waste Odor Using Nanoporous Carbon Adsorbents. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 1492-1494	1.3	4
232	Catalytic Pyrolysis of Organosolv and Klason Lignin Over Al-SBA-15. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 1423-1426	1.3	7
231	Recycling of red mud as a catalyst for complete oxidation of benzene. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 60, 259-267	6.3	22
230	Catalytic hydrodeoxygenation of Geodae-Uksae pyrolysis oil over Ni/desilicated HZSM-5. <i>Journal of Cleaner Production</i> , <b>2018</b> , 174, 763-770	10.3	24
229	Efficient depolymerization of lignin in supercritical ethanol by a combination of metal and base catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 57, 45-54	6.3	52
228	Effect of Accelerated High Temperature on Oxidation and Polymerization of Biodiesel from Vegetable Oils. <i>Energies</i> , <b>2018</b> , 11, 3514	3.1	8
227	Catalytic Pyrolysis of Polyethylene and Polypropylene over Desilicated Beta and Al-MSU-F. <i>Catalysts</i> , <b>2018</b> , 8, 501	4	17
226	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> , <b>2018</b> , 8, 656	4	11
225	Catalytic pyrolysis of polystyrene and polyethylene terephthalate over Al-MSU-F. <i>Energy Procedia</i> , <b>2018</b> , 144, 111-117	2.3	12
224	Catalytic Co-Pyrolysis of Kraft Lignin with Refuse-Derived Fuels Using Ni-Loaded ZSM-5 Type Catalysts. <i>Catalysts</i> , <b>2018</b> , 8, 506	4	7
223	Oligomerization of Butene Mixture over NiO/Mesoporous Aluminosilicate Catalyst. <i>Catalysts</i> , <b>2018</b> , 8, 456	4	3
222	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> , <b>2018</b> , 19,	6.3	5
221	A Hybrid Reactor System Comprised of Non-Thermal Plasma and Mn/Natural Zeolite for the Removal of Acetaldehyde from Food Waste. <i>Catalysts</i> , <b>2018</b> , 8, 389	4	5
220	Catalytic Copenolysis of Cork Oak and Waste Plastic Films over HBeta. <i>Catalysts</i> , <b>2018</b> , 8, 318	4	4
219	In-situ catalytic copyrolysis of cellulose and polypropylene over desilicated ZSM-5. <i>Catalysis Today</i> , <b>2017</b> , 293-294, 151-158	5.3	44
218	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> , <b>2017</b> , 149, 966-973	10.6	84
217	Preparation of egg-shell-type Ni/Ru bimetal alumina pellet catalysts: Steam methane reforming for hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 18350-18357	6.7	20

216	Assembling a supercapacitor electrode with dual metal oxides and activated carbon using a liquid phase plasma. <i>Journal of Environmental Management</i> , <b>2017</b> , 203, 880-887	7.9	5
215	Precipitation of Tin Oxide Nanoparticles on Graphene Sheets Using a Liquid Phase Plasma Process. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 4288-4291	1.3	0
214	Enhancement of Hydrogen Evolution from Water Photocatalysis Using Liquid Phase Plasma on Metal Oxide-Loaded Photocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 3659-3666	8.3	21
213	Catalytic Hydrodeoxygenation of Bio-Oils Derived from Pyrolysis of Cork Oak Using Supercritical Ethanol. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 2674-2677	1.3	2
212	In-situ catalytic co-pyrolysis of yellow poplar and high-density polyethylene over mesoporous catalysts. <i>Energy Conversion and Management</i> , <b>2017</b> , 151, 116-122	10.6	35
211	Catalytic co-pyrolysis of epoxy-printed circuit board and plastics over HZSM-5 and HY. <i>Journal of Cleaner Production</i> , <b>2017</b> , 168, 366-374	10.3	24
210	Rapid Quantification of N-Methyl-2-pyrrolidone in Polymer Matrices by Thermal Desorption-GC/MS. <i>Analytical Sciences</i> , <b>2017</b> , 33, 821-824	1.7	4
209	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> , <b>2017</b> , 34, 2993-2998	2.8	38
208	Catalytic co-pyrolysis of biomass carbohydrates with LLDPE over Al-SBA-15 and mesoporous ZSM-5. <i>Catalysis Today</i> , <b>2017</b> , 298, 46-52	5.3	34
207	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> , <b>2017</b> , 544, 84-93	5.1	47
206	Catalytic co-pyrolysis of polypropylene and Laminaria japonica over zeolitic materials. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 18434-18441	6.7	23
205	In-Situ Catalytic Pyrolysis of Xylan and Dealkaline Lignin over SAPO-11. <i>Topics in Catalysis</i> , <b>2017</b> , 60, 644-650	6.5	4
204	Pyrolysis kinetic analysis of poly(methyl methacrylate) using evolved gas analysis-mass spectrometry. <i>Korean Journal of Chemical Engineering</i> , <b>2017</b> , 34, 1214-1221	2.8	20
203	In-situ catalytic pyrolysis of lignin in a bench-scale fixed bed pyrolyzer. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 54, 447-453	6.3	63
202	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> , <b>2017</b> , 34, 2180-2187	2.8	41
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200	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> , <b>2017</b> , 7, 321	4	7
199	Production of Polyhydroxyalkanoates from Sludge Palm Oil Using S12. <i>Journal of Microbiology and Biotechnology</i> , <b>2017</b> , 27, 990-994	3.3	11

198	PM Management Methods Considering Condensable PM Emissions from Stationary Sources in Seoul and Incheon. <i>Journal of Korean Society for Atmospheric Environment</i> , <b>2017</b> , 33, 319-325	1.5	4
197	Catalytic Pyrolysis of Geodae-Uksae 1 Over Mesoporous Materials Produced from Zeolite HBeta. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 8260-8264	1.3	
196	Catalytic upgrading of lignin derived bio-oil model compound using mesoporous solid catalysts. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 3-17	2.8	11
195	Removal of Cu(2+) by biochars derived from green macroalgae. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 985-94	5.1	35
194	An aptamer cocktail-functionalized photocatalyst with enhanced antibacterial efficiency towards target bacteria. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 318, 247-254	12.8	23
193	Catalytic Hydrodeoxygenation of Bio-oil Model Compounds over Pt/HY Catalyst. <i>Scientific Reports</i> , <b>2016</b> , 6, 28765	4.9	106
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191	Recent advances in the catalytic hydrodeoxygenation of bio-oil. <i>Korean Journal of Chemical Engineering</i> , <b>2016</b> , 33, 3299-3315	2.8	86
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189	Production and utilization of biochar: A review. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2016</b> , 40, 1-15	6.3	611
188	Catalytic Copyrolysis of Cellulose and Thermoplastics over HZSM-5 and HY. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 1354-1363	8.3	90
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181	Oligomerization of endo-dicyclopentadiene using a mesoporous catalyst in a fixed-bed reactor. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 47-55	2.8	4

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164	Catalytic fast pyrolysis of Geodae-Uksae 1 over zeolites. <i>Energy</i> , <b>2015</b> , 81, 41-46	7.9	21
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162	Non-Isothermal Pyrolysis of Citrus Unshiu Peel. <i>Bioenergy Research</i> , <b>2015</b> , 8, 431-439	3.1	32
161	Hydrodeoxygenation of Guaiacol Over Pt/Al-SBA-15 Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 527-31	1.3	17
160	Analytical pyrolysis of waste paper laminated phenolic-printed circuit board (PLP-PCB). <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2015</b> , 115, 87-95	6	44
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148	Oligomerization and isomerization of dicyclopentadiene over mesoporous materials produced from zeolite beta. <i>Catalysis Today</i> , <b>2014</b> , 232, 69-74	5.3	26
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142	Influence of reaction conditions on bio-oil production from pyrolysis of construction waste wood. <i>Renewable Energy</i> , <b>2014</b> , 65, 41-48	8.1	34
141	Selective hydroisomerization of n-dodecane over platinum supported on SAPO-11. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 775-780	6.3	25
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131	Catalytic upgrading of xylan over mesoporous Y catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 2925-30	1.3	4
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103	Catalytic Gasification of Mandarin Waste Residue using Ni/CeO <sub>2</sub> -ZrO <sub>2</sub> . <i>Bulletin of the Korean Chemical Society</i> , <b>2013</b> , 34, 3387-3390	1.2	3
102	Catalytic Pyrolysis of Cellulose over SAPO-11 Using Py-GC/MS. <i>Bulletin of the Korean Chemical Society</i> , <b>2013</b> , 34, 2399-2402	1.2	9
101	Adsorption Performance of Basic Gas over Pellet-type Adsorbents Prepared from Water Treatment Sludge. <i>Korean Chemical Engineering Research</i> , <b>2013</b> , 51, 352-357		4
100	Wild reed of Suncheon Bay: Potential bio-energy source. <i>Renewable Energy</i> , <b>2012</b> , 42, 168-172	8.1	29
99	Effects of operation conditions on pyrolysis characteristics of agricultural residues. <i>Renewable Energy</i> , <b>2012</b> , 42, 125-130	8.1	44
98	Catalytic pyrolysis of waste rice husk over mesoporous materials. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 18	5	30
97	Pyrolysis of an LDPE-LLDPE-EVA copolymer mixture over various mesoporous catalysts. <i>Korean Journal of Chemical Engineering</i> , <b>2012</b> , 29, 196-200	2.8	8
96	Thermal and chemical regeneration of spent activated carbon and its adsorption property for toluene. <i>Chemical Engineering Journal</i> , <b>2012</b> , 210, 500-509	14.7	97
95	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> , <b>2012</b> , 12, 6074-9	1.3	7
94	Catalytic oxidation of benzene with ozone over nanoporous Mn/MCM-48 catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 5942-6	1.3	13
93	Direct coating of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> nanoparticles onto glass beads by chemical vapor deposition. <i>Powder Technology</i> , <b>2012</b> , 231, 135-140	5.2	24
92	Upgrading of biofuel by the catalytic deoxygenation of biomass. <i>Korean Journal of Chemical Engineering</i> , <b>2012</b> , 29, 1657-1665	2.8	71
91	Catalytic ozone oxidation of benzene at low temperature over MnO <sub>x</sub> /Al-SBA-16 catalyst. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 14	5	19



90	Indoor formaldehyde removal over CMK-3. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 7	5	32
89	Production of biohydrogen by aqueous phase reforming of polyols over platinum catalysts supported on three-dimensionally bimodal mesoporous carbon. <i>ChemSusChem</i> , <b>2012</b> , 5, 629-33	8.3	19
88	Catalytic roles of metals and supports on hydrodeoxygenation of lignin monomer guaiacol. <i>Catalysis Communications</i> , <b>2012</b> , 17, 54-58	3.2	265
87	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> , <b>2012</b> , 185, 290-295	5.3	38
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83	Analytical Expression on Characteristic Time Scale of Black Carbon Aging due to Condensation of Hygroscopic Species. <i>Aerosol Science and Technology</i> , <b>2012</b> , 46, 601-609	3.4	3
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80	Simulation of coagulation and sintering of nano-structured particles using the moment method. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 1664-7	1.3	1
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