

# Wong Syie Luing

## List of Publications by Citations

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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.

59  
papers

1,799  
citations

22  
h-index

42  
g-index

68  
ext. papers

2,349  
ext. citations

4.7  
avg, IF

5.45  
L-index

#	Paper	IF	Citations
59	Current state and future prospects of plastic waste as source of fuel: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 50, 1167-1180	16.2	327
58	Recent advances in applications of activated carbon from biowaste for wastewater treatment: A short review. <i>Journal of Cleaner Production</i> , <b>2018</b> , 175, 361-375	10.3	282
57	Adsorption of anionic dyes on spent tea leaves modified with polyethyleneimine (PEI-STL). <i>Journal of Cleaner Production</i> , <b>2019</b> , 206, 394-406	10.3	123
56	Effective removal of anionic textile dyes using adsorbent synthesized from coffee waste. <i>Scientific Reports</i> , <b>2020</b> , 10, 2928	4.9	96
55	From pollutant to solution of wastewater pollution: Synthesis of activated carbon from textile sludge for dye adsorption. <i>Chinese Journal of Chemical Engineering</i> , <b>2018</b> , 26, 870-878	3.2	77
54	Synthesis, characterization and performance of silica impregnated calcium oxide as heterogeneous catalyst in biodiesel production. <i>Journal of Cleaner Production</i> , <b>2017</b> , 146, 116-124	10.3	70
53	Removal of acetaminophen by activated carbon synthesized from spent tea leaves: equilibrium, kinetics and thermodynamics studies. <i>Powder Technology</i> , <b>2018</b> , 338, 878-886	5.2	67
52	Characterization and parametric study of mesoporous calcium titanate catalyst for transesterification of waste cooking oil into biodiesel. <i>Energy Conversion and Management</i> , <b>2016</b> , 129, 275-283	10.6	58
51	Recent advances of feed-in tariff in Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 41, 42-52	16.2	56
50	Influence of exfoliated graphite nanoplatelets on the flammability and thermal properties of polyethylene terephthalate/polypropylene nanocomposites. <i>Polymer Degradation and Stability</i> , <b>2014</b> , 110, 137-148	4.7	46
49	Kinetics, thermodynamics, isotherm and regeneration analysis of chitosan modified pandan adsorbent. <i>Journal of Cleaner Production</i> , <b>2019</b> , 231, 98-109	10.3	44
48	Catalytic Cracking of LDPE Dissolved in Benzene Using Nickel-Impregnated Zeolites. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 2543-2555	3.9	44
47	Prediction of biodiesel yield during transesterification process using response surface methodology. <i>Fuel</i> , <b>2017</b> , 190, 104-112	7.1	42
46	Preparation of activated carbon from empty fruit bunch for hydrogen storage. <i>Journal of Energy Storage</i> , <b>2016</b> , 8, 257-261	7.8	42
45	Parametric study on the steam reforming of phenol-PET solution to hydrogen production over Ni promoted on Al <sub>2</sub> O <sub>3</sub> -La <sub>2</sub> O <sub>3</sub> catalyst. <i>Energy Conversion and Management</i> , <b>2017</b> , 142, 127-142	10.6	37
44	Synthesis of activated carbon from spent tea leaves for aspirin removal. <i>Chinese Journal of Chemical Engineering</i> , <b>2018</b> , 26, 1003-1011	3.2	36
43	Synthesis, characterization and application of textile sludge biochars for oil removal. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 1415-1422	6.8	33

42	Conversion of low density polyethylene (LDPE) over ZSM-5 zeolite to liquid fuel. <i>Fuel</i> , <b>2017</b> , 192, 71-82	7.1	31
41	Transesterification of used cooking oil (UCO) catalyzed by mesoporous calcium titanate: Kinetic and thermodynamic studies. <i>Energy Conversion and Management</i> , <b>2018</b> , 164, 210-218	10.6	28
40	Microplastics and nanoplastics in global food webs: A bibliometric analysis (2009-2019). <i>Marine Pollution Bulletin</i> , <b>2020</b> , 158, 111432	6.7	23
39	Enhanced mechanical and thermal properties of hybrid graphene nanoplatelets/multiwall carbon nanotubes reinforced polyethylene terephthalate nanocomposites. <i>Fibers and Polymers</i> , <b>2016</b> , 17, 1657-1666	7.1	23
38	Parametric study on catalytic cracking of LDPE to liquid fuel over ZSM-5 zeolite. <i>Energy Conversion and Management</i> , <b>2016</b> , 122, 428-438	10.6	23
37	Emerging trends in municipal solid waste incineration ashes research: a bibliometric analysis from 1994 to 2018. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 7757-7784	5.1	19
36	Surface functionalization of cellulose with polyethyleneimine and magnetic nanoparticles for efficient removal of anionic dye in wastewater. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104639	6.8	19
35	Plastic waste recycling via pyrolysis: A bibliometric survey and literature review. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2021</b> , 158, 105265	6	19
34	Conversion of polyethylene terephthalate plastic waste and phenol steam reforming to hydrogen and valuable liquid fuel: Synthesis effect of Ni <sub>10</sub> /ZrO <sub>2</sub> nanostructured catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 6302-6317	6.7	16
33	Study on Dissolution of Low Density Polyethylene (LDPE). <i>Applied Mechanics and Materials</i> , <b>2014</b> , 695, 170-173	0.3	12
32	Pyrolysis of low density polyethylene waste in subcritical water optimized by response surface methodology. <i>Environmental Technology (United Kingdom)</i> , <b>2016</b> , 37, 245-54	2.6	10
31	Non-oxidative thermal decomposition of oil palm empty fruit bunch pellets: fuel characterisation, thermogravimetric, kinetic, and thermodynamic analyses. <i>Biomass Conversion and Biorefinery</i> , <b>2019</b> , 11, 1273	2.3	9
30	Uncovering the dynamics in global carbon dioxide utilization research: a bibliometric analysis (1995-2019). <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 13842-13860	5.1	9
29	Characterization of Polar and Non-Polar Compounds of House Edible Bird's Nest (EBN) from Johor, Malaysia. <i>Chemistry and Biodiversity</i> , <b>2020</b> , 17, e1900419	2.5	8
28	Ni <sub>10</sub> /Al nano-sized catalyst supported on TNPs for hydrogen and valuable fuel production from the steam reforming of plastic waste dissolved in phenol. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 22817-22832	6.7	8
27	Efficient adsorptive removal of methylene blue from synthetic dye wastewater by green alginate modified with pandan. <i>Materials Today: Proceedings</i> , <b>2021</b> , 39, 979-982	1.4	6
26	Carbon dioxide torrefaction of oil palm empty fruit bunches pellets: characterisation and optimisation by response surface methodology. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	5
25	Review of the fuel properties, characterisation techniques, and pre-treatment technologies for oil palm empty fruit bunches. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	4

24	Fuel Characterization and Thermogravimetric Analysis of Melon ( <i>Citrullus colocynthis</i> L.) Seed Husk. <i>Chemistry and Chemical Technology</i> , <b>2016</b> , 10, 493-497	0.9	4
23	Edible Bird's Nest: The Functional Values of the Prized Animal-Based Bioproduct From Southeast Asia-A Review. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 626233	5.6	4
22	Assessing the effectiveness of magnetic nanoparticles coagulation/flocculation in water treatment: a systematic literature review. <i>International Journal of Environmental Science and Technology</i> ,1	3.3	4
21	Systematic study on the relationship between particulate matter and microbial counts in hospital operating rooms. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	4
20	Integrated ultrasound-mechanical stirrer technique for extraction of total alkaloid content from <i>Annona muricata</i> . <i>Process Biochemistry</i> , <b>2021</b> , 109, 104-116	4.8	4
19	Torrefaction of oil palm empty fruit bunch pellets: product yield, distribution and fuel characterisation for enhanced energy recovery. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	4
18	Application of computational approach in plastic pyrolysis kinetic modelling: a review. <i>Reaction Kinetics, Mechanisms and Catalysis</i> ,	1.6	3
17	Exploration of reaction mechanisms on the plastic waste polyethylene terephthalate (PET) dissolved in phenol steam reforming reaction to produce hydrogen and valuable liquid fuels. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2020</b> , 150, 104860	6	3
16	Comprehensive Characterisation of the Morphological, Thermal and Kinetic Degradation Properties of <i>Gluconacetobacter xylinus</i> synthesised Bacterial Nanocellulose. <i>Journal of Natural Fibers</i> ,1-14	1.8	2
15	Aspirin Adsorption onto Activated Carbon Derived from Spent Tea Leaves: Statistical Optimization and Regeneration Study. <i>International Journal of Environmental Research</i> , <b>2021</b> , 15, 413-426	2.9	2
14	Bibliometric analysis of the research landscape on rice husks gasification (1995-2019). <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 49467-49490	5.1	2
13	Cellulose-g-PAM Derived from Kenaf for Ethyl Orange Removal. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 818, 246-249	0.3	1
12	Extraction of 2-Acetyl-1-Pyrroline (2AP) in Pandan Leaves ( <i>Pandanus Amaryllifolius</i> Roxb.) Via Solvent Extraction Method: Effect of Solvent. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2014</b> , 67,	1.2	1
11	Upcycling of plastic waste to carbon nanomaterials: a bibliometric analysis (2000-2019). <i>Clean Technologies and Environmental Policy</i> ,1	4.3	1
10	Adsorptive Removal of Chromium (VI) Ions Using Cryogel Derived from Oil Palm Fronds Lignin. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 818, 242-245	0.3	1
9	Pineapple leaves based activated carbon for efficient removal of reactive black 5 in aqueous. <i>Materials Today: Proceedings</i> , <b>2021</b> , 47, 1241-1245	1.4	1
8	UPLC-orbitrap-MS/MS based characterization of phytochemical compounds from Malaysia purple corn ( <i>Zea mays</i> ). <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2021</b> , 32, 101922	4.2	1
7	Facile synthesis of polyethylenimine-modified sugarcane bagasse adsorbent for removal of anionic dye in aqueous solution. <i>Scientific African</i> , <b>2022</b> , 16, e01135	1.7	1

6	Physiochemical, Mineralogical, Thermal and Kinetic Characterisation of Selected Coals from the Benue Trough and Anambra Basin, Nigeria. <i>Coke and Chemistry</i> , <b>2021</b> , 64, 496-507	0.5	o
5	Comparison of extraction methods of phytochemical compounds from white flower variety of <i>Melastoma malabathricum</i> . <i>South African Journal of Botany</i> , <b>2022</b> , 148, 170-179	2.9	o
4	Waste-to-BioEnergy pathway for waste activated sludge from food processing industries: An experiment on the valorization potential under CO <sub>2</sub> and N <sub>2</sub> atmospheres through microwave-induced pyrolysis. <i>Fuel</i> , <b>2022</b> , 323, 124380	7.1	o
3	Synthesis of Magnetic Eggshell Modified with Polyethyleneimine for Aspirin Removal. <i>International Journal of Recent Technology and Engineering</i> , <b>2022</b> , 10, 113-116	1.6	
2	Production and characterization of diesel-like fuel by catalytic upgrading of scrap tire pyrolysis oil using basic catalyst derived from blood cockle shell ( <i>Anadara Granosa</i> ). <i>Materials Today: Proceedings</i> , <b>2021</b> , 47, 1317-1322	1.4	
1	Extraction and Characterisation of Natural Fibres from <i>Imperata cylindrica</i> : Morphological, Microstructural, Thermal, and Kinetic Properties. <i>Journal of Natural Fibers</i> , 1-14	1.8	