Wong Syie Luing

List of Publications by Year
in descending order

67 papers	3,069 citations	218677 26 h-index	168389 53 g-index
69 all docs	69 docs citations	69 times ranked	3402 citing authors

#	Article	IF	Citations
1	Current state and future prospects of plastic waste as source of fuel: A review. Renewable and Sustainable Energy Reviews, 2015, 50, 1167-1180.	16.4	482
2	Recent advances in applications of activated carbon from biowaste for wastewater treatment: A short review. Journal of Cleaner Production, 2018, 175, 361-375.	9.3	451
3	Effective removal of anionic textile dyes using adsorbent synthesized from coffee waste. Scientific Reports, 2020, 10, 2928.	3.3	211
4	Adsorption of anionic dyes on spent tea leaves modified with polyethyleneimine (PEI-STL). Journal of Cleaner Production, 2019, 206, 394-406.	9.3	183
5	From pollutant to solution of wastewater pollution: Synthesis of activated carbon from textile sludge for dye adsorption. Chinese Journal of Chemical Engineering, 2018, 26, 870-878.	3.5	107
6	Removal of acetaminophen by activated carbon synthesized from spent tea leaves: equilibrium, kinetics and thermodynamics studies. Powder Technology, 2018, 338, 878-886.	4.2	106
7	Synthesis, characterization and performance of silica impregnated calcium oxide as heterogeneous catalyst in biodiesel production. Journal of Cleaner Production, 2017, 146, 116-124.	9.3	99
8	Plastic waste recycling via pyrolysis: A bibliometric survey and literature review. Journal of Analytical and Applied Pyrolysis, 2021, 158, 105265.	5.5	81
9	Kinetics, thermodynamics, isotherm and regeneration analysis of chitosan modified pandan adsorbent. Journal of Cleaner Production, 2019, 231, 98-109.	9.3	80
10	Characterization and parametric study of mesoporous calcium titanate catalyst for transesterification of waste cooking oil into biodiesel. Energy Conversion and Management, 2016, 129, 275-283.	9.2	68
11	Recent advances of feed-in tariff in Malaysia. Renewable and Sustainable Energy Reviews, 2015, 41, 42-52.	16.4	67
12	Prediction of biodiesel yield during transesterification process using response surface methodology. Fuel, 2017, 190, 104-112.	6.4	67
13	Preparation of activated carbon from empty fruit bunch for hydrogen storage. Journal of Energy Storage, 2016, 8, 257-261.	8.1	60
14	Synthesis of activated carbon from spent tea leaves for aspirin removal. Chinese Journal of Chemical Engineering, 2018, 26, 1003-1011.	3.5	59
15	Microplastics and nanoplastics in global food webs: A bibliometric analysis (2009â€“2019). Marine Pollution Bulletin, 2020, 158, 111432.	5.0	56
16	Influence of exfoliated graphite nanoplatelets on the flammability and thermal properties of polyethylene terephthalate/polypropylene nanocomposites. Polymer Degradation and Stability, 2014, 110, 137-148.	5.8	55
17	Catalytic Cracking of LDPE Dissolved in Benzene Using Nickel-Impregnated Zeolites. Industrial & Engineering Chemistry Research, 2016, 55, 2543-2555.	3.7	52
18	Synthesis, characterization and application of textile sludge biochars for oil removal. Journal of Environmental Chemical Engineering, 2017, 5, 1415-1422.	6.7	52

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19	Parametric study on the steam reforming of phenol-PET solution to hydrogen production over Ni promoted on Al 2 O 3 -La 2 O 3 catalyst. Energy Conversion and Management, 2017, 142, 127-142.	9.2	51
20	Conversion of low density polyethylene (LDPE) over ZSM-5 zeolite to liquid fuel. Fuel, 2017, 192, 71-82.	6.4	49
21	Emerging trends in municipal solid waste incineration ashes research: a bibliometric analysis from 1994 to 2018. Environmental Science and Pollution Research, 2020, 27, 7757-7784.	5.3	48
22	Surface functionalization of cellulose with polyethyleneimine and magnetic nanoparticles for efficient removal of anionic dye in wastewater. Journal of Environmental Chemical Engineering, 2021, 9, 104639.	6.7	44
23	Transesterification of used cooking oil (UCO) catalyzed by mesoporous calcium titanate: Kinetic and thermodynamic studies. Energy Conversion and Management, 2018, 164, 210-218.	9.2	42
24	Enhanced mechanical and thermal properties of hybrid graphene nanoplatelets/multiwall carbon nanotubes reinforced polyethylene terephthalate nanocomposites. Fibers and Polymers, 2016, 17, 1657-1666.	2.1	38
25	Conversion of polyethylene terephthalate plastic waste and phenol steam reforming to hydrogen and valuable liquid fuel: Synthesis effect of Niâ€“Co/ZrO2 nanostructured catalysts. International Journal of Hydrogen Energy, 2020, 45, 6302-6317.	7.1	34
26	Prevention of Enzymatic Browning by Natural Extracts and Genome-Editing: A Review on Recent Progress. Molecules, 2022, 27, 1101.	3.8	33
27	Parametric study on catalytic cracking of LDPE to liquid fuel over ZSM-5 zeolite. Energy Conversion and Management, 2016, 122, 428-438.	9.2	29
28	Uncovering the dynamics in global carbon dioxide utilization research: a bibliometric analysis (1995â€“2019). Environmental Science and Pollution Research, 2021, 28, 13842-13860.	5.3	26
29	Characterization of Polar and Nonâ€Polar Compounds of House Edible Bird's Nest (EBN) from Johor, Malaysia. Chemistry and Biodiversity, 2020, 17, e1900419.	2.1	22
30	Study on Dissolution of Low Density Polyethylene (LDPE). Applied Mechanics and Materials, 0, 695, 170-173.	0.2	21
31	Assessing the effectiveness of magnetic nanoparticles coagulation/flocculation in water treatment: a systematic literature review. International Journal of Environmental Science and Technology, 2022, 19, 6935-6956.	3.5	20
32	Systematic study on the relationship between particulate matter and microbial counts in hospital operating rooms. Environmental Science and Pollution Research, 2022, 29, 6710-6721.	5.3	19
33	Niâ€“Pt/Al nano-sized catalyst supported on TNPs for hydrogen and valuable fuel production from the steam reforming of plastic waste dissolved in phenol. International Journal of Hydrogen Energy, 2020, 45, 22817-22832.	7.1	17
34	Efficient adsorptive removal of methylene blue from synthetic dye wastewater by green alginate modified with pandan. Materials Today: Proceedings, 2021, 39, 979-982.	1.8	17
35	Edible Birdâ€™s Nest: The Functional Values of the Prized Animal-Based Bioproduct From Southeast Asiaâ€“A Review. Frontiers in Pharmacology, 2021, 12, 626233.	3.5	17
36	Pyrolysis of low density polyethylene waste in subcritical water optimized by response surface methodology. Environmental Technology (United Kingdom), 2016, 37, 245-254.	2.2	16

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37	Non-oxidative thermal decomposition of oil palm empty fruit bunch pellets: fuel characterisation, thermogravimetric, kinetic, and thermodynamic analyses. Biomass Conversion and Biorefinery, 2021, 11, 1273-1292.	4.6	14
38	Application of computational approach in plastic pyrolysis kinetic modelling: a review. Reaction Kinetics, Mechanisms and Catalysis, 2021, 134, 591-614.	1.7	14
39	Integrated ultrasound-mechanical stirrer technique for extraction of total alkaloid content from Annona muricata. Process Biochemistry, 2021, 109, 104-116.	3.7	13
40	Carbon dioxide torrefaction of oil palm empty fruit bunches pellets: characterisation and optimisation by response surface methodology. Biomass Conversion and Biorefinery, 2022, 12, 5881-5900.	4.6	12
41	Review of the fuel properties, characterisation techniques, and pre-treatment technologies for oil palm empty fruit bunches. Biomass Conversion and Biorefinery, 2023, 13, 471-497.	4.6	12
42	Exploration of reaction mechanisms on the plastic waste polyethylene terephthalate (PET) dissolved in phenol steam reforming reaction to produce hydrogen and valuable liquid fuels. Journal of Analytical and Applied Pyrolysis, 2020, 150, 104860.	5.5	12
43	Bibliometric analysis of the research landscape on rice husks gasification (1995â€“2019). Environmental Science and Pollution Research, 2021, 28, 49467-49490.	5.3	11
44	Upcycling of plastic waste to carbon nanomaterials: a bibliometric analysis (2000â€“2019). Clean Technologies and Environmental Policy, 2022, 24, 739-759.	4.1	11
45	Effects of medical staffâ€™s turning movement on dispersion of airborne particles under large air supply diffuser during operative surgeries. Environmental Science and Pollution Research, 2022, 29, 82492-82511.	5.3	11
46	Aspirin Adsorption onto Activated Carbon Derived from Spent Tea Leaves: Statistical Optimization and Regeneration Study. International Journal of Environmental Research, 2021, 15, 413-426.	2.3	9
47	Waste-to-BioEnergy pathway for waste activated sludge from food processing industries: An experiment on the valorization potential under CO2 and N2 atmospheres through microwave-induced pyrolysis. Fuel, 2022, 323, 124380.	6.4	9
48	Fuel Characterization and Thermogravimetric Analysis of Melon (Citrullus colocynthis L.) Seed Husk. Chemistry and Chemical Technology, 2016, 10, 493-497.	1.1	8
49	Torrefaction of oil palm empty fruit bunch pellets: product yield, distribution and fuel characterisation for enhanced energy recovery. Biomass Conversion and Biorefinery, 2023, 13, 755-775.	4.6	7
50	Comparison of extraction methods of phytochemical compounds from white flower variety of Melastoma malabathricum. South African Journal of Botany, 2022, 148, 170-179.	2.5	6
51	Pineapple leaves based activated carbon for efficient removal of reactive black 5 in aqueous. Materials Today: Proceedings, 2021, 47, 1241-1245.	1.8	5
52	UPLC-orbitrap-MS/MS based characterization of phytochemical compounds from Malaysia purple corn (Zea mays). Biocatalysis and Agricultural Biotechnology, 2021, 32, 101922.	3.1	5
53	Facile synthesis of polyethylenimine-modified sugarcane bagasse adsorbent for removal of anionic dye in aqueous solution. Scientific African, 2022, 16, e01135.	1.5	5
54	Comprehensive Characterisation of the Morphological, Thermal and Kinetic Degradation Properties of Gluconacetobacter xylinus synthesised Bacterial Nanocellulose. Journal of Natural Fibers, 2022, 19, 6255-6268.	3.1	4

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55	Identification of Malaysiaâ€™s Edible Birdâ€™s Nest Geographical Origin Using Gel Electrophoresis Analysis. Chiang Mai University Journal of Natural Sciences, 2020, 19, .	0.2	4
56	Production and characterization of diesel-like fuel by catalytic upgrading of scrap tire pyrolysis oil using basic catalyst derived from blood cockle shell (Anadara Granosa). Materials Today: Proceedings, 2021, 47, 1317-1322.	1.8	3
57	Extraction of 2-Acetyl-1-Pyrroline (2AP) in Pandan Leaves (Pandanus Amaryllifolius Roxb.) Via Solvent Extraction Method: Effect of Solvent. Jurnal Teknologi (Sciences and Engineering), 2014, 67, .	0.4	2
58	Cellulose-g-PAM Derived from Kenaf for Ethyl Orange Removal. Applied Mechanics and Materials, 0, 818, 246-249.	0.2	2
59	Exploration of tree pruning waste for papermaking. AIP Conference Proceedings, 2019, , .	0.4	2
60	Adsorptive Removal of Acetylsalicylic Acid in Wastewater Onto Crosslinked-Chitosan. , 0, , .		2
61	Adsorptive Removal of Chromium (VI) Ions Using Cryogel Derived from Oil Palm Frondsâ€™ Lignin. Applied Mechanics and Materials, 0, 818, 242-245.	0.2	1
62	Synthesis and Characterization of CaO-TiO2 for Transesterification of Vegetable Palm Oil. International Journal of Engineering Transactions B: Applications, 2018, 31, .	0.5	1
63	Physiochemical, Mineralogical, Thermal and Kinetic Characterisation of Selected Coals from the Benue Trough and Anambra Basin, Nigeria. Coke and Chemistry, 2021, 64, 496-507.	0.4	1
64	MODEL FREE KINETICS ANALYSIS OF IMPERATA CYLINDRICA (LALANG). Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.4	0
65	Effect of Pretreatment of Carbon Black Derived From Pyrolysis Waste Tire on Adsorption of Ammonium Ion in Aqueous Solution. , 0, , .		0
66	Synthesis of Magnetic Eggshell Modified with Polyethyleneimine for Aspirin Removal. International Journal of Recent Technology and Engineering, 2022, 10, 113-116.	0.2	0
67	Extraction and Characterisation of Natural Fibres from Imperata cylindrica: Morphological, Microstructural, Thermal, and Kinetic Properties. Journal of Natural Fibers, 0, , 1-14.	3.1	0