

# Wong Syie Luing

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8055935/publications.pdf>

Version: 2024-02-01

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	Review of the fuel properties, characterisation techniques, and pre-treatment technologies for oil palm empty fruit bunches. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 471-497.	4.6	12
2	Torrefaction of oil palm empty fruit bunch pellets: product yield, distribution and fuel characterisation for enhanced energy recovery. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 755-775.	4.6	7
3	Carbon dioxide torrefaction of oil palm empty fruit bunches pellets: characterisation and optimisation by response surface methodology. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 5881-5900.	4.6	12
4	Comprehensive Characterisation of the Morphological, Thermal and Kinetic Degradation Properties of <i>Gluconacetobacter xylinus</i> synthesised Bacterial Nanocellulose. <i>Journal of Natural Fibers</i> , 2022, 19, 6255-6268.	3.1	4
5	Assessing the effectiveness of magnetic nanoparticles coagulation/flocculation in water treatment: a systematic literature review. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 6935-6956.	3.5	20
6	Systematic study on the relationship between particulate matter and microbial counts in hospital operating rooms. <i>Environmental Science and Pollution Research</i> , 2022, 29, 6710-6721.	5.3	19
7	Synthesis of Magnetic Eggshell Modified with Polyethyleneimine for Aspirin Removal. <i>International Journal of Recent Technology and Engineering</i> , 2022, 10, 113-116.	0.2	0
8	Upcycling of plastic waste to carbon nanomaterials: a bibliometric analysis (2000â€“2019). <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 739-759.	4.1	11
9	Prevention of Enzymatic Browning by Natural Extracts and Genome-Editing: A Review on Recent Progress. <i>Molecules</i> , 2022, 27, 1101.	3.8	33
10	Facile synthesis of polyethylenimine-modified sugarcane bagasse adsorbent for removal of anionic dye in aqueous solution. <i>Scientific African</i> , 2022, 16, e01135.	1.5	5
11	Comparison of extraction methods of phytochemical compounds from white flower variety of <i>Melastoma malabathricum</i> . <i>South African Journal of Botany</i> , 2022, 148, 170-179.	2.5	6
12	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> , 2022, 323, 124380.	6.4	9
13	Effects of medical staffâ€™s turning movement on dispersion of airborne particles under large air supply diffuser during operative surgeries. <i>Environmental Science and Pollution Research</i> , 2022, 29, 82492-82511.	5.3	11
14	Non-oxidative thermal decomposition of oil palm empty fruit bunch pellets: fuel characterisation, thermogravimetric, kinetic, and thermodynamic analyses. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 1273-1292.	4.6	14
15	Uncovering the dynamics in global carbon dioxide utilization research: a bibliometric analysis (1995â€“2019). <i>Environmental Science and Pollution Research</i> , 2021, 28, 13842-13860.	5.3	26
16	Surface functionalization of cellulose with polyethyleneimine and magnetic nanoparticles for efficient removal of anionic dye in wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104639.	6.7	44
17	Efficient adsorptive removal of methylene blue from synthetic dye wastewater by green alginate modified with pandan. <i>Materials Today: Proceedings</i> , 2021, 39, 979-982.	1.8	17
18	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> , 2021, 47, 1317-1322.	1.8	3

#	ARTICLE	IF	CITATIONS
19	Pineapple leaves based activated carbon for efficient removal of reactive black 5 in aqueous. <i>Materials Today: Proceedings</i> , 2021, 47, 1241-1245.	1.8	5
20	Aspirin Adsorption onto Activated Carbon Derived from Spent Tea Leaves: Statistical Optimization and Regeneration Study. <i>International Journal of Environmental Research</i> , 2021, 15, 413-426.	2.3	9
21	UPLC-orbitrap-MS/MS based characterization of phytochemical compounds from Malaysia purple corn ( <i>Zea mays</i> ). <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 32, 101922.	3.1	5
22	Edible Bird's Nest: The Functional Values of the Prized Animal-Based Bioproduct From Southeast Asia—A Review. <i>Frontiers in Pharmacology</i> , 2021, 12, 626233.	3.5	17
23	Bibliometric analysis of the research landscape on rice husks gasification (1995–2019). <i>Environmental Science and Pollution Research</i> , 2021, 28, 49467-49490.	5.3	11
24	Plastic waste recycling via pyrolysis: A bibliometric survey and literature review. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 158, 105265.	5.5	81
25	Integrated ultrasound-mechanical stirrer technique for extraction of total alkaloid content from <i>Annona muricata</i> . <i>Process Biochemistry</i> , 2021, 109, 104-116.	3.7	13
26	Application of computational approach in plastic pyrolysis kinetic modelling: a review. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 134, 591-614.	1.7	14
27	Physiochemical, Mineralogical, Thermal and Kinetic Characterisation of Selected Coals from the Benue Trough and Anambra Basin, Nigeria. <i>Coke and Chemistry</i> , 2021, 64, 496-507.	0.4	1
28	Characterization of Polar and Non-Polar Compounds of House Edible Bird's Nest (EBN) from Johor, Malaysia. <i>Chemistry and Biodiversity</i> , 2020, 17, e1900419.	2.1	22
29	Conversion of polyethylene terephthalate plastic waste and phenol steam reforming to hydrogen and valuable liquid fuel: Synthesis effect of Ni-Co/ZrO <sub>2</sub> nanostructured catalysts. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6302-6317.	7.1	34
30	Ni-Pt/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> , 2020, 45, 22817-22832.	7.1	17
31	Microplastics and nanoplastics in global food webs: A bibliometric analysis (2009–2019). <i>Marine Pollution Bulletin</i> , 2020, 158, 111432.	5.0	56
32	Effective removal of anionic textile dyes using adsorbent synthesized from coffee waste. <i>Scientific Reports</i> , 2020, 10, 2928.	3.3	211
33	Emerging trends in municipal solid waste incineration ashes research: a bibliometric analysis from 1994 to 2018. <i>Environmental Science and Pollution Research</i> , 2020, 27, 7757-7784.	5.3	48
34	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> , 2020, 150, 104860.	5.5	12
35	Identification of Malaysia's Edible Bird's Nest Geographical Origin Using Gel Electrophoresis Analysis. <i>Chiang Mai University Journal of Natural Sciences</i> , 2020, 19, .	0.2	4
36	Exploration of tree pruning waste for papermaking. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2

#	ARTICLE	IF	CITATIONS
37	Kinetics, thermodynamics, isotherm and regeneration analysis of chitosan modified pandan adsorbent. <i>Journal of Cleaner Production</i> , 2019, 231, 98-109.	9.3	80
38	Adsorption of anionic dyes on spent tea leaves modified with polyethyleneimine (PEI-STL). <i>Journal of Cleaner Production</i> , 2019, 206, 394-406.	9.3	183
39	Transesterification of used cooking oil (UCO) catalyzed by mesoporous calcium titanate: Kinetic and thermodynamic studies. <i>Energy Conversion and Management</i> , 2018, 164, 210-218.	9.2	42
40	Recent advances in applications of activated carbon from biowaste for wastewater treatment: A short review. <i>Journal of Cleaner Production</i> , 2018, 175, 361-375.	9.3	451
41	Synthesis of activated carbon from spent tea leaves for aspirin removal. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 1003-1011.	3.5	59
42	From pollutant to solution of wastewater pollution: Synthesis of activated carbon from textile sludge for dye adsorption. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 870-878.	3.5	107
43	Removal of acetaminophen by activated carbon synthesized from spent tea leaves: equilibrium, kinetics and thermodynamics studies. <i>Powder Technology</i> , 2018, 338, 878-886.	4.2	106
44	Synthesis and Characterization of CaO-TiO <sub>2</sub> for Transesterification of Vegetable Palm Oil. <i>International Journal of Engineering Transactions B: Applications</i> , 2018, 31, .	0.5	1
45	Synthesis, characterization and performance of silica impregnated calcium oxide as heterogeneous catalyst in biodiesel production. <i>Journal of Cleaner Production</i> , 2017, 146, 116-124.	9.3	99
46	Synthesis, characterization and application of textile sludge biochars for oil removal. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1415-1422.	6.7	52
47	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> , 2017, 142, 127-142.	9.2	51
48	Conversion of low density polyethylene (LDPE) over ZSM-5 zeolite to liquid fuel. <i>Fuel</i> , 2017, 192, 71-82.	6.4	49
49	Prediction of biodiesel yield during transesterification process using response surface methodology. <i>Fuel</i> , 2017, 190, 104-112.	6.4	67
50	Preparation of activated carbon from empty fruit bunch for hydrogen storage. <i>Journal of Energy Storage</i> , 2016, 8, 257-261.	8.1	60
51	Parametric study on catalytic cracking of LDPE to liquid fuel over ZSM-5 zeolite. <i>Energy Conversion and Management</i> , 2016, 122, 428-438.	9.2	29
52	Enhanced mechanical and thermal properties of hybrid graphene nanoplatelets/multiwall carbon nanotubes reinforced polyethylene terephthalate nanocomposites. <i>Fibers and Polymers</i> , 2016, 17, 1657-1666.	2.1	38
53	Characterization and parametric study of mesoporous calcium titanate catalyst for transesterification of waste cooking oil into biodiesel. <i>Energy Conversion and Management</i> , 2016, 129, 275-283.	9.2	68
54	Catalytic Cracking of LDPE Dissolved in Benzene Using Nickel-Impregnated Zeolites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 2543-2555.	3.7	52

#	ARTICLE	IF	CITATIONS
55	Pyrolysis of low density polyethylene waste in subcritical water optimized by response surface methodology. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 245-254.	2.2	16
56	Fuel Characterization and Thermogravimetric Analysis of Melon ( <i>Citrullus colocynthis</i> L.) Seed Husk. <i>Chemistry and Chemical Technology</i> , 2016, 10, 493-497.	1.1	8
57	MODEL FREE KINETICS ANALYSIS OF IMPERATA CYLINDRICA (LALANG). <i>Jurnal Teknologi (Sciences and)</i> Tj ETQq1 1 0.784314 rgBT /Ov 0.4	0.4	0
58	Current state and future prospects of plastic waste as source of fuel: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 1167-1180.	16.4	482
59	Recent advances of feed-in tariff in Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 42-52.	16.4	67
60	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> , 2014, 67, .	0.4	2
61	Influence of exfoliated graphite nanoplatelets on the flammability and thermal properties of polyethylene terephthalate/polypropylene nanocomposites. <i>Polymer Degradation and Stability</i> , 2014, 110, 137-148.	5.8	55
62	Study on Dissolution of Low Density Polyethylene (LDPE). <i>Applied Mechanics and Materials</i> , 0, 695, 170-173.	0.2	21
63	Cellulose-g-PAM Derived from Kenaf for Ethyl Orange Removal. <i>Applied Mechanics and Materials</i> , 0, 818, 246-249.	0.2	2
64	Adsorptive Removal of Chromium (VI) Ions Using Cryogel Derived from Oil Palm Frondsâ€™ Lignin. <i>Applied Mechanics and Materials</i> , 0, 818, 242-245.	0.2	1
65	Effect of Pretreatment of Carbon Black Derived From Pyrolysis Waste Tire on Adsorption of Ammonium Ion in Aqueous Solution. , 0, , .		0
66	Adsorptive Removal of Acetylsalicylic Acid in Wastewater Onto Crosslinked-Chitosan. , 0, , .		2
67	Extraction and Characterisation of Natural Fibres from <i>Imperata cylindrica</i> : Morphological, Microstructural, Thermal, and Kinetic Properties. <i>Journal of Natural Fibers</i> , 0, , 1-14.	3.1	0