Phaik Eong Poh

List of Publications by Year
in descending order

51 papers	3,061 citations	218677 26 h-index	206112 48 g-index
51 all docs	51 docs citations	51 times ranked	3935 citing authors

#	Article	IF	Citations
1	Adsorption of dyes by nanomaterials: Recent developments and adsorption mechanisms. Separation and Purification Technology, 2015, 150, 229-242.	7.9	582
2	A comprehensive guide of remediation technologies for oil contaminated soil â€" Present works and future directions. Marine Pollution Bulletin, 2016, 109, 14-45.	5.0	328
3	Development of anaerobic digestion methods for palm oil mill effluent (POME) treatment. Bioresource Technology, 2009, 100, 1-9.	9.6	282
4	Biogas from palm oil mill effluent (POME): Opportunities and challenges from Malaysia's perspective. Renewable and Sustainable Energy Reviews, 2013, 26, 717-726.	16.4	249
5	Extraction agents for the removal of polycyclic aromatic hydrocarbons (PAHs) from soil in soil washing technologies. Environmental Pollution, 2014, 184, 640-649.	7.5	165
6	Evaluation of physicochemical methods in enhancing the adsorption performance of natural zeolite as low-cost adsorbent of methylene blue dye from wastewater. Journal of Cleaner Production, 2016, 118, 197-209.	9.3	127
7	Palm Oil Mill Effluent (POME) Characteristic in High Crop Season and the Applicability of High-Rate Anaerobic Bioreactors for the Treatment of POME. Industrial & Engineering Chemistry Research, 2010, 49, 11732-11740.	3.7	97
8	Evaluation of Titanium dioxide photocatalytic technology for the treatment of reactive Black 5 dye in synthetic and real greywater effluents. Journal of Cleaner Production, 2015, 89, 196-202.	9.3	93
9	Synthesis, characterisation and application of TiO2â€"zeolite nanocomposites for the advanced treatment of industrial dye wastewater. Journal of the Taiwan Institute of Chemical Engineers, 2015, 50, 288-296.	5.3	92
10	Halloysite/alginate nanocomposite beads: Kinetics, equilibrium and mechanism for lead adsorption. Applied Clay Science, 2016, 119, 301-310.	5.2	88
11	Prospects of hybrid rainwater-greywater decentralised system for water recycling and reuse: A review. Journal of Cleaner Production, 2017, 142, 3014-3027.	9.3	83
12	A review of greywater recycling related issues: Challenges and future prospects in Malaysia. Journal of Cleaner Production, 2018, 171, 17-29.	9.3	75
13	Multi-dimensional zinc oxide (ZnO) nanoarchitectures as efficient photocatalysts: What is the fundamental factor that determines photoactivity in ZnO?. Journal of Hazardous Materials, 2020, 381, 120958.	12.4	66
14	Upflow anaerobic sludge blanket-hollow centered packed bed (UASB-HCPB) reactor for thermophilic palm oil mill effluent (POME) treatment. Biomass and Bioenergy, 2014, 67, 231-242.	5.7	58
15	Physicochemical characterization of halloysite/alginate bionanocomposite hydrogel. Applied Clay Science, 2014, 101, 444-454.	5.2	51
16	Biomethanation of Palm Oil Mill Effluent (POME) with a thermophilic mixed culture cultivated using POME as a substrate. Chemical Engineering Journal, 2010, 164, 146-154.	12.7	46
17	Life-cycle assessment and life-cycle cost analysis of decentralised rainwater harvesting, greywater recycling and hybrid rainwater-greywater systems. Journal of Cleaner Production, 2019, 229, 1211-1224.	9.3	43
18	Applicability of various pretreatment techniques to enhance the anaerobic digestion of Palm oil Mill effluent (POME): A review. Journal of Environmental Chemical Engineering, 2019, 7, 103310.	6.7	42

#	ARTICLE	IF	CITATIONS
19	Decentralized light greywater treatment using aerobic digestion and hydrogen peroxide disinfection for non-potable reuse. Journal of Cleaner Production, 2015, 99, 305-311.	9.3	41
20	Investigation on micro-bubble flotation and coagulation for the treatment of anaerobically treated palm oil mill effluent (POME). Journal of Environmental Chemical Engineering, 2014, 2, 1174-1181.	6.7	40
21	Assessment of greywater quality and performance of a pilot-scale decentralised hybrid rainwater-greywater system. Journal of Cleaner Production, 2018, 172, 81-91.	9.3	35
22	Optimization of Wastewater Anaerobic Digestion Using Mechanistic and Meta-heuristic Methods: Current Limitations and Future Opportunities. Water Conservation Science and Engineering, 2016, 1, 1-20.	1.7	31
23	Bathroom greywater recycling using polyelectrolyte-complex bilayer membrane: Advanced study of membrane structure and treatment efficiency. Carbohydrate Polymers, 2016, 148, 161-170.	10.2	31
24	Quantification of mains water savings from decentralised rainwater, greywater, and hybrid rainwater-greywater systems in tropical climatic conditions. Journal of Cleaner Production, 2018, 176, 946-958.	9.3	30
25	Micro-macrobubbles interactions and its application in flotation technology for the recovery of high density oil from contaminated sands. Journal of Petroleum Science and Engineering, 2018, 161, 29-37.	4.2	30
26	Microorganism preservation by convective air-drying—A review. Drying Technology, 2018, 36, 764-779.	3.1	27
27	Stability and reusability of alginate-based adsorbents for repetitive lead (II) removal. Polymer Degradation and Stability, 2016, 123, 146-154.	5.8	21
28	Optimizing the in-line ozone injection and delivery strategy in a multistage pilot-scale greywater treatment system: System validation and cost-benefit analysis. Journal of Environmental Chemical Engineering, 2015, 3, 1146-1151.	6.7	19
29	Morphological tunable three-dimensional flower-like zinc oxides with high photoactivity for targeted environmental Remediation: Degradation of emerging micropollutant and radicals trapping experiments. Journal of the Taiwan Institute of Chemical Engineers, 2017, 81, 206-217.	5.3	18
30	The impact of thermal pretreatment on various solid-liquid ratios of palm oil mill effluent (POME) for enhanced thermophilic anaerobic digestion performance. Journal of Cleaner Production, 2020, 261, 121159.	9.3	18
31	Adaptive neural-fuzzy inference system vs. anaerobic digestion model No.1 for performance prediction of thermophilic anaerobic digestion of palm oil mill effluent. Chemical Engineering Research and Design, 2018, 117, 92-99.	5.6	17
32	Interaction studies between high-density oil and sand particles in oil flotation technology. Journal of Petroleum Science and Engineering, 2015, 131, 114-121.	4.2	16
33	An assessment of technological development and applications of decentralized water reuse: A critical review and conceptual framework. Wiley Interdisciplinary Reviews: Water, 2022, 9, .	6.5	15
34	Analysis of attachment process of bubbles to high-density oil: Influence of bubble size and water chemistry. Journal of the Taiwan Institute of Chemical Engineers, 2016, 68, 192-200.	5.3	13
35	The influence of different solid-liquid ratios on the thermophilic anaerobic digestion performance of palm oil mill effluent (POME). Journal of Environmental Management, 2020, 257, 109996.	7.8	11
36	Resolving stability issue of thermophilic high-rate anaerobic palm oil mill effluent treatment via adaptive neuro-fuzzy inference system predictive model. Journal of Cleaner Production, 2018, 198, 797-805.	9.3	10

#	Article	IF	Citations
37	Life cycle assessment on alginate-based nanocomposite beads for the removal of lead(II) from aqueous solutions. Journal of Water Process Engineering, 2022, 45, 102531.	5.6	10
38	Is the dewatering of Palm Oil Mill Effluent (POME) feasible? Effect of temperature on POME's rheological properties and compressive behavior. Chemical Engineering Science, 2019, 202, 519-528.	3.8	9
39	Enhancing greywater treatment via MHz-Order surface acoustic waves. Water Research, 2020, 169, 115187.	11.3	7
40	Waste Management in the Palm Oil Industry. Green Energy and Technology, 2020, , .	0.6	7
41	Impacts of morphological-controlled ZnO nanoarchitectures on aerobic microbial communities during real wastewater treatment in an aerobic-photocatalytic system. Environmental Pollution, 2020, 259, 113867.	7.5	6
42	Water Literacy in the Southeast Asian Context: Are We There Yet?. Water (Switzerland), 2021, 13, 2311.	2.7	6
43	Current Advances of Biogas Production via Anaerobic Digestion of Industrial Wastewater. , 2015, , 149-163.		5
44	Enhancing the biogas production and the treated effluent quality via an alternative Palm Oil Mill Effluent (POME) treatment process: Integration of thermal pretreatment and dewatering. Biomass and Bioenergy, 2021, 151, 106167.	5.7	5
45	Preservation of thermophilic mixed culture for anaerobic palm oil mill effluent treatment by convective drying methods. International Journal of Environmental Science and Technology, 2018, 15, 1211-1222.	3.5	4
46	Artificial Intelligence in Wastewater Treatment Systems in the Era of Industry 4.0: A Holistic Review. Algorithms for Intelligent Systems, 2022, , 45-85.	0.6	4
47	BOD5 prediction using machine learning methods. Water Science and Technology: Water Supply, 2022, 22, 1168-1183.	2.1	3
48	Fuzzy logic modelling for thermophilic anaerobic digestion of palm oil mill effluent (POME) treatment. , 2017, , .		2
49	Palm Oil Milling Wastes. Green Energy and Technology, 2020, , 21-44.	0.6	2
50	High-Rate Anaerobic Digestion of POME for Stable Effluent and Biogas Production. Green Energy and Technology, 2020, , 45-56.	0.6	1
51	Preservation of mesophilic mixed culture for anaerobic palm oil mill effluent treatment by convective drying methods. Drying Technology, 2019, 37, 208-222.	3.1	0