

Phaik Eong Poh

List of Publications by Year in descending order

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Version: 2024-02-01

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	BOD5 prediction using machine learning methods. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 1168-1183.	2.1	3
2	Life cycle assessment on alginate-based nanocomposite beads for the removal of lead(II) from aqueous solutions. <i>Journal of Water Process Engineering</i> , 2022, 45, 102531.	5.6	10
3	An assessment of technological development and applications of decentralized water reuse: A critical review and conceptual framework. <i>Wiley Interdisciplinary Reviews: Water</i> , 2022, 9, .	6.5	15
4	Artificial Intelligence in Wastewater Treatment Systems in the Era of Industry 4.0: A Holistic Review. <i>Algorithms for Intelligent Systems</i> , 2022, , 45-85.	0.6	4
5	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. <i>Biomass and Bioenergy</i> , 2021, 151, 106167.	5.7	5
6	Water Literacy in the Southeast Asian Context: Are We There Yet?. <i>Water (Switzerland)</i> , 2021, 13, 2311.	2.7	6
7	Enhancing greywater treatment via MHz-Order surface acoustic waves. <i>Water Research</i> , 2020, 169, 115187.	11.3	7
8	Multi-dimensional zinc oxide (ZnO) nanoarchitectures as efficient photocatalysts: What is the fundamental factor that determines photoactivity in ZnO?. <i>Journal of Hazardous Materials</i> , 2020, 381, 120958.	12.4	66
9	The influence of different solid-liquid ratios on the thermophilic anaerobic digestion performance of palm oil mill effluent (POME). <i>Journal of Environmental Management</i> , 2020, 257, 109996.	7.8	11
10	Impacts of morphological-controlled ZnO nanoarchitectures on aerobic microbial communities during real wastewater treatment in an aerobic-photocatalytic system. <i>Environmental Pollution</i> , 2020, 259, 113867.	7.5	6
11	The impact of thermal pretreatment on various solid-liquid ratios of palm oil mill effluent (POME) for enhanced thermophilic anaerobic digestion performance. <i>Journal of Cleaner Production</i> , 2020, 261, 121159.	9.3	18
12	Waste Management in the Palm Oil Industry. <i>Green Energy and Technology</i> , 2020, , .	0.6	7
13	High-Rate Anaerobic Digestion of POME for Stable Effluent and Biogas Production. <i>Green Energy and Technology</i> , 2020, , 45-56.	0.6	1
14	Palm Oil Milling Wastes. <i>Green Energy and Technology</i> , 2020, , 21-44.	0.6	2
15	Applicability of various pretreatment techniques to enhance the anaerobic digestion of Palm oil Mill effluent (POME): A review. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103310.	6.7	42
16	Life-cycle assessment and life-cycle cost analysis of decentralised rainwater harvesting, greywater recycling and hybrid rainwater-greywater systems. <i>Journal of Cleaner Production</i> , 2019, 229, 1211-1224.	9.3	43
17	Is the dewatering of Palm Oil Mill Effluent (POME) feasible? Effect of temperature on POME's rheological properties and compressive behavior. <i>Chemical Engineering Science</i> , 2019, 202, 519-528.	3.8	9
18	Preservation of mesophilic mixed culture for anaerobic palm oil mill effluent treatment by convective drying methods. <i>Drying Technology</i> , 2019, 37, 208-222.	3.1	0

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19	Quantification of mains water savings from decentralised rainwater, greywater, and hybrid rainwater-greywater systems in tropical climatic conditions. <i>Journal of Cleaner Production</i> , 2018, 176, 946-958.	9.3	30
20	Adaptive neural-fuzzy inference system vs. anaerobic digestion model No.1 for performance prediction of thermophilic anaerobic digestion of palm oil mill effluent. <i>Chemical Engineering Research and Design</i> , 2018, 117, 92-99.	5.6	17
21	Microorganism preservation by convective air-drying—A review. <i>Drying Technology</i> , 2018, 36, 764-779.	3.1	27
22	Assessment of greywater quality and performance of a pilot-scale decentralised hybrid rainwater-greywater system. <i>Journal of Cleaner Production</i> , 2018, 172, 81-91.	9.3	35
23	A review of greywater recycling related issues: Challenges and future prospects in Malaysia. <i>Journal of Cleaner Production</i> , 2018, 171, 17-29.	9.3	75
24	Micro-macrobubbles interactions and its application in flotation technology for the recovery of high density oil from contaminated sands. <i>Journal of Petroleum Science and Engineering</i> , 2018, 161, 29-37.	4.2	30
25	Preservation of thermophilic mixed culture for anaerobic palm oil mill effluent treatment by convective drying methods. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 1211-1222.	3.5	4
26	Resolving stability issue of thermophilic high-rate anaerobic palm oil mill effluent treatment via adaptive neuro-fuzzy inference system predictive model. <i>Journal of Cleaner Production</i> , 2018, 198, 797-805.	9.3	10
27	Morphological tunable three-dimensional flower-like zinc oxides with high photoactivity for targeted environmental Remediation: Degradation of emerging micropollutant and radicals trapping experiments. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 81, 206-217.	5.3	18
28	Fuzzy logic modelling for thermophilic anaerobic digestion of palm oil mill effluent (POME) treatment. , 2017, , .		2
29	Prospects of hybrid rainwater-greywater decentralised system for water recycling and reuse: A review. <i>Journal of Cleaner Production</i> , 2017, 142, 3014-3027.	9.3	83
30	Optimization of Wastewater Anaerobic Digestion Using Mechanistic and Meta-heuristic Methods: Current Limitations and Future Opportunities. <i>Water Conservation Science and Engineering</i> , 2016, 1, 1-20.	1.7	31
31	Bathroom greywater recycling using polyelectrolyte-complex bilayer membrane: Advanced study of membrane structure and treatment efficiency. <i>Carbohydrate Polymers</i> , 2016, 148, 161-170.	10.2	31
32	Analysis of attachment process of bubbles to high-density oil: Influence of bubble size and water chemistry. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 68, 192-200.	5.3	13
33	A comprehensive guide of remediation technologies for oil contaminated soil — Present works and future directions. <i>Marine Pollution Bulletin</i> , 2016, 109, 14-45.	5.0	328
34	Stability and reusability of alginate-based adsorbents for repetitive lead (II) removal. <i>Polymer Degradation and Stability</i> , 2016, 123, 146-154.	5.8	21
35	Halloysite/alginate nanocomposite beads: Kinetics, equilibrium and mechanism for lead adsorption. <i>Applied Clay Science</i> , 2016, 119, 301-310.	5.2	88
36	Evaluation of physicochemical methods in enhancing the adsorption performance of natural zeolite as low-cost adsorbent of methylene blue dye from wastewater. <i>Journal of Cleaner Production</i> , 2016, 118, 197-209.	9.3	127

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37	Synthesis, characterisation and application of TiO ₂ @zeolite nanocomposites for the advanced treatment of industrial dye wastewater. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 50, 288-296.	5.3	92
38	Optimizing the in-line ozone injection and delivery strategy in a multistage pilot-scale greywater treatment system: System validation and cost-benefit analysis. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1146-1151.	6.7	19
39	Adsorption of dyes by nanomaterials: Recent developments and adsorption mechanisms. <i>Separation and Purification Technology</i> , 2015, 150, 229-242.	7.9	582
40	Interaction studies between high-density oil and sand particles in oil flotation technology. <i>Journal of Petroleum Science and Engineering</i> , 2015, 131, 114-121.	4.2	16
41	Decentralized light greywater treatment using aerobic digestion and hydrogen peroxide disinfection for non-potable reuse. <i>Journal of Cleaner Production</i> , 2015, 99, 305-311.	9.3	41
42	Current Advances of Biogas Production via Anaerobic Digestion of Industrial Wastewater. , 2015, , 149-163.		5
43	Evaluation of Titanium dioxide photocatalytic technology for the treatment of reactive Black 5 dye in synthetic and real greywater effluents. <i>Journal of Cleaner Production</i> , 2015, 89, 196-202.	9.3	93
44	Extraction agents for the removal of polycyclic aromatic hydrocarbons (PAHs) from soil in soil washing technologies. <i>Environmental Pollution</i> , 2014, 184, 640-649.	7.5	165
45	Investigation on micro-bubble flotation and coagulation for the treatment of anaerobically treated palm oil mill effluent (POME). <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1174-1181.	6.7	40
46	Physicochemical characterization of halloysite/alginate bionanocomposite hydrogel. <i>Applied Clay Science</i> , 2014, 101, 444-454.	5.2	51
47	Upflow anaerobic sludge blanket-hollow centered packed bed (UASB-HCPB) reactor for thermophilic palm oil mill effluent (POME) treatment. <i>Biomass and Bioenergy</i> , 2014, 67, 231-242.	5.7	58
48	Biogas from palm oil mill effluent (POME): Opportunities and challenges from Malaysia's perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 26, 717-726.	16.4	249
49	Biomethanation of Palm Oil Mill Effluent (POME) with a thermophilic mixed culture cultivated using POME as a substrate. <i>Chemical Engineering Journal</i> , 2010, 164, 146-154.	12.7	46
50	Palm Oil Mill Effluent (POME) Characteristic in High Crop Season and the Applicability of High-Rate Anaerobic Bioreactors for the Treatment of POME. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 11732-11740.	3.7	97
51	Development of anaerobic digestion methods for palm oil mill effluent (POME) treatment. <i>Bioresource Technology</i> , 2009, 100, 1-9.	9.6	282