Siu Hua Chang

List of Publications by Year
in descending order

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26	766	623734	610901
papers	citations	14	24
		h-index	g-index

26	26	26	671
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Palm kernel fatty acid distillate-based bulk liquid membrane for Cu(II) separation: Design and its operating parameters. Journal of Water Process Engineering, 2022, 47, 102646.	5.6	3
2	Micro/nanomotors for metal ion detection and removal from water: A review. Materials Today Sustainability, 2022, 19, 100196.	4.1	9
3	Gold(III) recovery from aqueous solutions by raw and modified chitosan: A review. Carbohydrate Polymers, 2021, 256, 117423.	10.2	30
4	Green extraction of gold(III) and copper(II) from chloride media by palm kernel fatty acid distillate. Journal of Water Process Engineering, 2021, 43, 102298.	5.6	7
5	Rice Husk and Its Pretreatments for Bio-oil Production via Fast Pyrolysis: a Review. Bioenergy Research, 2020, 13, 23-42.	3.9	27
6	Extraction of Cu(II) ions from aqueous solutions by free fatty acid-rich oils as green extractants. Journal of Water Process Engineering, 2020, 33, 100997.	5.6	9
7	Utilization of green organic solvents in solvent extraction and liquid membrane for sustainable wastewater treatment and resource recoveryâ€”a review. Environmental Science and Pollution Research, 2020, 27, 32371-32388.	5.3	42
8	Parametric studies of Cu(II) ion extraction into palm kernel fatty acid distillate as a green organic solvent. Journal of Environmental Chemical Engineering, 2019, 7, 103488.	6.7	4
9	Synthesis and physicochemical properties of epoxidized oleic acid-based palm oil. IOP Conference Series: Earth and Environmental Science, 2019, 291, 012046.	0.3	14
10	A Comparative Study of Batch and Continuous Bulk Liquid Membranes in the Removal and Recovery of Cu(II) Ions from Wastewater. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	15
11	Bio-oil derived from palm empty fruit bunches: Fast pyrolysis, liquefaction and future prospects. Biomass and Bioenergy, 2018, 119, 263-276.	5.7	50
12	Parametric studies on an innovative waste vegetable oil-based continuous liquid membrane (WVCLM) for Cu(II) ion separation from aqueous solutions. Journal of Industrial and Engineering Chemistry, 2017, 50, 102-110.	5.8	17
13	Types of bulk liquid membrane and its membrane resistance in heavy metal removal and recovery from wastewater. Desalination and Water Treatment, 2016, 57, 19785-19793.	1.0	42
14	Stoichiometry of Cu(II) Ion Extraction with di-2-ethylhexylphosphoric acid Dissolved in Waste Palm Cooking Oil. International Journal of Technology, 2016, 7, 778.	0.8	2
15	Potential immobilized Saccharomyces cerevisiae as heavy metal removal. AIP Conference Proceedings, 2015, , .	0.4	1
16	An overview of empty fruit bunch from oil palm as feedstock for bio-oil production. Biomass and Bioenergy, 2014, 62, 174-181.	5.7	204
17	Vegetable oil as organic solvent for wastewater treatment in liquid membrane processes. Desalination and Water Treatment, 2014, 52, 88-101.	1.0	41
18	Effect of Membrane Materials on Transport Kinetics of Cu(II) through Bulk Liquid Membrane. International Journal of Chemical Engineering and Applications (IJCEA), 2014, 5, 315-318.	0.3	3

#	Article	IF	Citations
19	Screening of factors influencing Cu(II) extraction by soybean oil-based organic solvents using fractional factorial design. Journal of Environmental Management, 2011, 92, 2580-2585.	7.8	45
20	Cu(II) transport through soybean oil-based bulk liquid membrane: Kinetic study. Chemical Engineering Journal, 2011, 173, 352-360.	12.7	26
21	Optimization of Cu(II) Extraction from Aqueous Solutions by Soybean-Oil-Based Organic Solvent Using Response Surface Methodology. Water, Air, and Soil Pollution, 2011, 217, 567-576.	2.4	19
22	Selection of design parameters and optimization of operating parameters of soybean oil-based bulk liquid membrane for Cu(II) removal and recovery from aqueous solutions. Journal of Hazardous Materials, 2011, 190, 197-204.	12.4	33
23	Efficiency, stoichiometry and structural studies of Cu(II) removal from aqueous solutions using di-2-ethylhexylphosphoric acid and tributylphosphate diluted in soybean oil. Chemical Engineering Journal, 2011, 166, 249-255.	12.7	39
24	Extraction of Cu(II) from aqueous solutions by vegetable oil-based organic solvents. Journal of Hazardous Materials, 2010, 181, 868-872.	12.4	77
25	Recovery of Precious Metals from Discarded Mobile Phones by Thiourea Leaching. Materials Science Forum, 0, 962, 112-116.	0.3	4
26	Techno-economic analysis of integrating liquid membrane with electrowinning for copper recovery from electroplating wastewater. Clean Technologies and Environmental Policy, 0, , 1.	4.1	3