

# Siu Hua Chang

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

766  
citations

623734

14  
h-index

610901

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

671  
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of empty fruit bunch from oil palm as feedstock for bio-oil production. <i>Biomass and Bioenergy</i> , 2014, 62, 174-181.	5.7	204
2	Extraction of Cu(II) from aqueous solutions by vegetable oil-based organic solvents. <i>Journal of Hazardous Materials</i> , 2010, 181, 868-872.	12.4	77
3	Bio-oil derived from palm empty fruit bunches: Fast pyrolysis, liquefaction and future prospects. <i>Biomass and Bioenergy</i> , 2018, 119, 263-276.	5.7	50
4	Screening of factors influencing Cu(II) extraction by soybean oil-based organic solvents using fractional factorial design. <i>Journal of Environmental Management</i> , 2011, 92, 2580-2585.	7.8	45
5	Types of bulk liquid membrane and its membrane resistance in heavy metal removal and recovery from wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 19785-19793.	1.0	42
6	Utilization of green organic solvents in solvent extraction and liquid membrane for sustainable wastewater treatment and resource recovery—a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32371-32388.	5.3	42
7	Vegetable oil as organic solvent for wastewater treatment in liquid membrane processes. <i>Desalination and Water Treatment</i> , 2014, 52, 88-101.	1.0	41
8	Efficiency, stoichiometry and structural studies of Cu(II) removal from aqueous solutions using di-2-ethylhexylphosphoric acid and tributylphosphate diluted in soybean oil. <i>Chemical Engineering Journal</i> , 2011, 166, 249-255.	12.7	39
9	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. <i>Journal of Hazardous Materials</i> , 2011, 190, 197-204.	12.4	33
10	Gold(III) recovery from aqueous solutions by raw and modified chitosan: A review. <i>Carbohydrate Polymers</i> , 2021, 256, 117423.	10.2	30
11	Rice Husk and Its Pretreatments for Bio-oil Production via Fast Pyrolysis: a Review. <i>Bioenergy Research</i> , 2020, 13, 23-42.	3.9	27
12	Cu(II) transport through soybean oil-based bulk liquid membrane: Kinetic study. <i>Chemical Engineering Journal</i> , 2011, 173, 352-360.	12.7	26
13	Optimization of Cu(II) Extraction from Aqueous Solutions by Soybean-Oil-Based Organic Solvent Using Response Surface Methodology. <i>Water, Air, and Soil Pollution</i> , 2011, 217, 567-576.	2.4	19
14	Parametric studies on an innovative waste vegetable oil-based continuous liquid membrane (WVCLM) for Cu(II) ion separation from aqueous solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 50, 102-110.	5.8	17
15	A Comparative Study of Batch and Continuous Bulk Liquid Membranes in the Removal and Recovery of Cu(II) Ions from Wastewater. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	15
16	Synthesis and physicochemical properties of epoxidized oleic acid-based palm oil. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 291, 012046.	0.3	14
17	Extraction of Cu(II) ions from aqueous solutions by free fatty acid-rich oils as green extractants. <i>Journal of Water Process Engineering</i> , 2020, 33, 100997.	5.6	9
18	Micro/nanomotors for metal ion detection and removal from water: A review. <i>Materials Today Sustainability</i> , 2022, 19, 100196.	4.1	9

#	ARTICLE	IF	CITATIONS
19	Green extraction of gold(III) and copper(II) from chloride media by palm kernel fatty acid distillate. <i>Journal of Water Process Engineering</i> , 2021, 43, 102298.	5.6	7
20	Parametric studies of Cu(II) ion extraction into palm kernel fatty acid distillate as a green organic solvent. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103488.	6.7	4
21	Recovery of Precious Metals from Discarded Mobile Phones by Thiourea Leaching. <i>Materials Science Forum</i> , 0, 962, 112-116.	0.3	4
22	Effect of Membrane Materials on Transport Kinetics of Cu(II) through Bulk Liquid Membrane. <i>International Journal of Chemical Engineering and Applications (IJCEA)</i> , 2014, 5, 315-318.	0.3	3
23	Palm kernel fatty acid distillate-based bulk liquid membrane for Cu(II) separation: Design and its operating parameters. <i>Journal of Water Process Engineering</i> , 2022, 47, 102646.	5.6	3
24	Techno-economic analysis of integrating liquid membrane with electrowinning for copper recovery from electroplating wastewater. <i>Clean Technologies and Environmental Policy</i> , 0, , 1.	4.1	3
25	Stoichiometry of Cu(II) Ion Extraction with di-2-ethylhexylphosphoric acid Dissolved in Waste Palm Cooking Oil. <i>International Journal of Technology</i> , 2016, 7, 778.	0.8	2
26	Potential immobilized <i>Saccharomyces cerevisiae</i> as heavy metal removal. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	1