YenJung Sean Lai

List of Publications by Year
in descending order

16	460	759055 12	940416 16
papers	citations	h-index	g-index

16	16	16	520
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improving lipid recovery from Scenedesmus wet biomass by surfactant-assisted disruption. Green Chemistry, 2016, 18, 1319-1326.	4.6	70
2	Effects of pulsed electric field treatment on enhancing lipid recovery from the microalga, Scenedesmus. Bioresource Technology, 2014, 173, 457-461.	4.8	67
3	The distribution of phosphorus and its transformations during batch growth of Synechocystis. Water Research, 2017, 122, 355-362.	5.3	67
4	Enhancing biodegradation of C16-alkyl quaternary ammonium compounds using an oxygen-based membrane biofilm reactor. Water Research, 2017, 123, 825-833.	5.3	57
5	Synergistic Integration of C12â€“C16 Cationic Surfactants for Flocculation and Lipid Extraction from Chlorella Biomass. ACS Sustainable Chemistry and Engineering, 2017, 5, 752-757.	3.2	31
6	Selective fermentation of carbohydrate and protein fractions of Scenedesmus, and biohydrogenation of its lipid fraction for enhanced recovery of saturated fatty acids. Biotechnology and Bioengineering, 2016, 113, 320-329.	1.7	26
7	Adsorption and Reductive Defluorination of Perfluorooctanoic Acid over Palladium Nanoparticles. Environmental Science & Technology, 2021, 55, 14836-14843.	4.6	26
8	How myristyltrimethylammonium bromide enhances biomass harvesting and pigments extraction from Synechocystis sp. PCC 6803. Water Research, 2017, 126, 189-196.	5.3	23
9	Increased expression of antibiotic-resistance genes in biofilm communities upon exposure to cetyltrimethylammonium bromide (CTAB) and other stress conditions. Science of the Total Environment, 2021, 765, 144264.	3.9	19
10	Promoting Synechocystis sp. PCC 6803 Harvesting by Cationic Surfactants: Alkyl-Chain Length and Dose Control for the Release of Extracellular Polymeric Substances and Biomass Aggregation. ACS Sustainable Chemistry and Engineering, 2019, 7, 2127-2133.	3.2	18
11	Uptake of phosphate by Synechocystis sp. PCC 6803 in dark conditions: Removal driving force and modeling. Chemosphere, 2019, 218, 147-156.	4.2	16
12	Electronâ€acceptor loadings affect chloroform dechlorination in a hydrogenâ€based membrane biofilm reactor. Biotechnology and Bioengineering, 2019, 116, 1439-1448.	1.7	13
13	Hydrodefluorination of Perfluorooctanoic Acid in the H₂-Based Membrane Catalyst-Film Reactor with Platinum Group Metal Nanoparticles: Pathways and Optimal Conditions. Environmental Science & Technology, 2021, 55, 16699-16707.	4.6	13
14	Evaluation of co-culturing a diatom and a coccolithophore using different silicate concentrations. Science of the Total Environment, 2021, 769, 145217.	3.9	7
15	Phosphate depletion controls lipid content and accumulation of heterotrophic bacteria during growth of Synechocystis sp. PCC 6803. Applied Microbiology and Biotechnology, 2019, 103, 5007-5014.	1.7	6
16	Achieving superior carbon transfer efficiency and pH control using membrane carbonation with a wide range of CO2 contents for the coccolithophore Emiliania huxleyi. Science of the Total Environment, 2022, 822, 153592.	3.9	1