Chao Miao

List of Publications by Year
in descending order

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11 papers	750 citations	840776 11 h-index	1281871 11 g-index
11 all docs	11 docs citations	11 times ranked	1150 citing authors

#	Article	IF	Citations
1	Two-step in situ biodiesel production from microalgae with high free fatty acid content. Bioresource Technology, 2013, 136, 8-15.	9.6	124
2	Regulation of starch and lipid accumulation in a microalga Chlorella sorokiniana. Bioresource Technology, 2015, 180, 250-257.	9.6	110
3	Hydrothermal catalytic deoxygenation of palmitic acid over nickel catalyst. Fuel, 2016, 166, 302-308.	6.4	110
4	Concomitant extraction of bio-oil and value added polysaccharides from Chlorella sorokiniana using a unique sequential hydrothermal extraction technology. Fuel, 2012, 95, 63-70.	6.4	101
5	Impact of reaction conditions on the simultaneous production of polysaccharides and bio-oil from heterotrophically grown Chlorella sorokiniana by a unique sequential hydrothermal liquefaction process. Bioresource Technology, 2012, 110, 617-627.	9.6	95
6	Investigations on cell disruption of oleaginous microorganisms: Hydrochloric acid digestion is an effective method for lipid extraction. European Journal of Lipid Science and Technology, 2015, 117, 730-737.	1.5	67
7	Hydrothermal Catalytic Deoxygenation of Fatty Acid and Bio-oil with In Situ H₂. ACS Sustainable Chemistry and Engineering, 2018, 6, 4521-4530.	6.7	40
8	Sequential hydrothermal fractionation of yeast Cryptococcus curvatus biomass. Bioresource Technology, 2014, 164, 106-112.	9.6	39
9	Direct quantification of fatty acids in wet microalgal and yeast biomass via a rapid in situ fatty acid methyl ester derivatization approach. Applied Microbiology and Biotechnology, 2015, 99, 10237-10247.	3.6	28
10	Selective esterification to produce microalgal biodiesel and enrich polyunsaturated fatty acid using zeolite as a catalyst. RSC Advances, 2015, 5, 84894-84900.	3.6	18
11	Fed-Batch Fermentation of Yarrowia Lipolytica Using Defatted Silkworm Pupae Hydrolysate: A Dynamic Model-Based Approach for High Yield of Lipid Production. Waste and Biomass Valorization, 2018, 9, 2399-2411.	3.4	18