Xiaochen Yu

List of Publications by Year in descending order

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15	1,145	687363 13	996975 15
papers	citations	h-index	g-index

15	15	15	1624
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oil production by oleaginous yeasts using the hydrolysate from pretreatment of wheat straw with dilute sulfuric acid. Bioresource Technology, 2011, 102, 6134-6140.	9.6	392
2	High-density fed-batch culture of a thermotolerant microalga Chlorella sorokiniana for biofuel production. Applied Energy, 2013, 108, 281-287.	10.1	112
3	Feasibility of filamentous fungi for biofuel production using hydrolysate from dilute sulfuric acid pretreatment of wheat straw. Biotechnology for Biofuels, 2012, 5, 50.	6.2	107
4	Two-step microalgal biodiesel production using acidic catalyst generated from pyrolysis-derived bio-char. Energy Conversion and Management, 2015, 105, 1389-1396.	9.2	91
5	Lignocellulosic biomass as a carbohydrate source for lipid production by Mortierella isabellina. Bioresource Technology, 2013, 128, 385-391.	9.6	80
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	Microbial lipid production from xylose by Mortierella isabellina. Bioresource Technology, 2013, 133, 315-321.	9.6	65
8	Co-utilization of glucose, xylose and cellobiose by the oleaginous yeast Cryptococcus curvatus. Biomass and Bioenergy, 2014, 71, 340-349.	5.7	53
9	Improved lipid accumulation by morphology engineering of oleaginous fungus Mortierella isabellina. Biotechnology and Bioengineering, 2014, 111, 1758-1766.	3.3	41
10	Sequential hydrothermal fractionation of yeast Cryptococcus curvatus biomass. Bioresource Technology, 2014, 164, 106-112.	9.6	39
11	Engineering levoglucosan metabolic pathway in Rhodococcus jostii RHA1 for lipid production. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 1551-1560.	3.0	32
12	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
13	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
14	Microbial production of bi-functional molecules by diversification of the fatty acid pathway. Metabolic Engineering, 2016, 35, 9-20.	7.0	12
15	Induction of D-xylose uptake and expression of NAD(P)H-linked xylose reductase and NADP + -linked xylitol dehydrogenase in the oleaginous microalga Chlorella sorokiniana. Biotechnology for Biofuels, 2014, 7, 125.	6.2	8