Stefanie Van Wychen

List of Publications by Year
in descending order

22	1,123	623734	677142
papers	citations	14 h-index	22 g-index

22	22	22	1618
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of Hydrophilic Derivative Surfactants From Algae-Derived Unsaponifiable Lipids. Frontiers in Chemical Engineering, 2022, 3, .	2.7	1
2	A data-driven comparison of commercially available testing methods for algae characterization. Algal Research, 2021, 53, 102134.	4.6	7
3	Advanced mass balance characterization and fractionation of algal biomass composition. Journal of Applied Phycology, 2021, 33, 2695-2708.	2.8	10
4	Disruption of the Snf1 Gene Enhances Cell Growth and Reduces the Metabolic Burden in Cellulase-Expressing and Lipid-Accumulating Yarrowia lipolytica. Frontiers in Microbiology, 2021, 12, 757741.	3.5	6
5	Anaerobic Storage and Conversion of Microalgal Biomass to Manage Seasonal Variation in Cultivation. ACS Sustainable Chemistry and Engineering, 2020, 8, 13310-13317.	6.7	11
6	Development of a high-productivity, halophilic, thermotolerant microalga Picochlorum renovo. Communications Biology, 2019, 2, 388.	4.4	58
7	Solvent-free spectroscopic method for high-throughput, quantitative screening of fatty acids in yeast biomass. Analytical Methods, 2019, 11, 58-69.	2.7	3
8	Down-Selection and Outdoor Evaluation of Novel, Halotolerant Algal Strains for Winter Cultivation. Frontiers in Plant Science, 2018, 9, 1513.	3.6	19
9	Oleaginicity of the yeast strain Saccharomyces cerevisiae D5A. Biotechnology for Biofuels, 2018, 11, 258.	6.2	41
10	Ameliorating the Metabolic Burden of the Co-expression of Secreted Fungal Cellulases in a High Lipid-Accumulating Yarrowia lipolytica Strain by Medium C/N Ratio and a Chemical Chaperone. Frontiers in Microbiology, 2018, 9, 3276.	3.5	20
11	Lipid accumulation from glucose and xylose in an engineered, naturally oleaginous strain of Saccharomyces cerevisiae. Biofuel Research Journal, 2018, 5, 800-805.	13.3	13
12	Harmonization of experimental approach and data collection to streamline analysis of biomass composition from algae in an inter-laboratory setting. Algal Research, 2017, 25, 549-557.	4.6	17
13	Bleaching and Hydroprocessing of Algal Biomass-Derived Lipids to Produce Renewable Diesel Fuel. Energy & Fuels, 2017, 31, 10946-10953.	5.1	21
14	Development of algae biorefinery concepts for biofuels and bioproducts; a perspective on process-compatible products and their impact on cost-reduction. Energy and Environmental Science, 2017, 10, 1716-1738.	30.8	193
15	MBTH: A novel approach to rapid, spectrophotometric quantitation of total algal carbohydrates. Analytical Biochemistry, 2017, 518, 90-93.	2.4	19
16	Comparison of Nitrogen Depletion and Repletion on Lipid Production in Yeast and Fungal Species. Energies, 2016, 9, 685.	3.1	14
17	Fatty alcohol production in Lipomyces starkeyi and Yarrowia lipolytica. Biotechnology for Biofuels, 2016, 9, 227.	6.2	52
18	Combined algal processing: A novel integrated biorefinery process to produce algal biofuels and bioproducts. Algal Research, 2016, 19, 316-323.	4.6	184

#	Article	IF	Citations
19	Strain, biochemistry, and cultivation-dependent measurement variability of algal biomass composition. Analytical Biochemistry, 2014, 452, 86-95.	2.4	81
20	Genomic, Proteomic, and Biochemical Analyses of Oleaginous Mucor circinelloides: Evaluating Its Capability in Utilizing Cellulolytic Substrates for Lipid Production. PLoS ONE, 2013, 8, e71068.	2.5	26
21	Separation and quantification of microalgal carbohydrates. Journal of Chromatography A, 2012, 1270, 225-234.	3.7	145
22	Accurate and reliable quantification of total microalgal fuel potential as fatty acid methyl esters by in situ transesterification. Analytical and Bioanalytical Chemistry, 2012, 403, 167-178.	3.7	182