

Stefanie Van Wychen

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,123
citations

623734

14
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

1618
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of algae biorefinery concepts for biofuels and bioproducts; a perspective on process-compatible products and their impact on cost-reduction. <i>Energy and Environmental Science</i> , 2017, 10, 1716-1738.	30.8	193
2	Combined algal processing: A novel integrated biorefinery process to produce algal biofuels and bioproducts. <i>Algal Research</i> , 2016, 19, 316-323.	4.6	184
3	Accurate and reliable quantification of total microalgal fuel potential as fatty acid methyl esters by in situ transesterification. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 167-178.	3.7	182
4	Separation and quantification of microalgal carbohydrates. <i>Journal of Chromatography A</i> , 2012, 1270, 225-234.	3.7	145
5	Strain, biochemistry, and cultivation-dependent measurement variability of algal biomass composition. <i>Analytical Biochemistry</i> , 2014, 452, 86-95.	2.4	81
6	Development of a high-productivity, halophilic, thermotolerant microalga <i>Picochlorum renovo</i> . <i>Communications Biology</i> , 2019, 2, 388.	4.4	58
7	Fatty alcohol production in <i>Lipomyces starkeyi</i> and <i>Yarrowia lipolytica</i> . <i>Biotechnology for Biofuels</i> , 2016, 9, 227.	6.2	52
8	Oleaginicuity of the yeast strain <i>Saccharomyces cerevisiae</i> D5A. <i>Biotechnology for Biofuels</i> , 2018, 11, 258.	6.2	41
9	Genomic, Proteomic, and Biochemical Analyses of Oleaginous <i>Mucor circinelloides</i> : Evaluating Its Capability in Utilizing Cellulolytic Substrates for Lipid Production. <i>PLoS ONE</i> , 2013, 8, e71068.	2.5	26
10	Bleaching and Hydroprocessing of Algal Biomass-Derived Lipids to Produce Renewable Diesel Fuel. <i>Energy & Fuels</i> , 2017, 31, 10946-10953.	5.1	21
11	Ameliorating the Metabolic Burden of the Co-expression of Secreted Fungal Cellulases in a High Lipid-Accumulating <i>Yarrowia lipolytica</i> Strain by Medium C/N Ratio and a Chemical Chaperone. <i>Frontiers in Microbiology</i> , 2018, 9, 3276.	3.5	20
12	MBTH: A novel approach to rapid, spectrophotometric quantitation of total algal carbohydrates. <i>Analytical Biochemistry</i> , 2017, 518, 90-93.	2.4	19
13	Down-Selection and Outdoor Evaluation of Novel, Halotolerant Algal Strains for Winter Cultivation. <i>Frontiers in Plant Science</i> , 2018, 9, 1513.	3.6	19
14	Harmonization of experimental approach and data collection to streamline analysis of biomass composition from algae in an inter-laboratory setting. <i>Algal Research</i> , 2017, 25, 549-557.	4.6	17
15	Comparison of Nitrogen Depletion and Repletion on Lipid Production in Yeast and Fungal Species. <i>Energies</i> , 2016, 9, 685.	3.1	14
16	Lipid accumulation from glucose and xylose in an engineered, naturally oleaginous strain of <i>Saccharomyces cerevisiae</i> . <i>Biofuel Research Journal</i> , 2018, 5, 800-805.	13.3	13
17	Anaerobic Storage and Conversion of Microalgal Biomass to Manage Seasonal Variation in Cultivation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13310-13317.	6.7	11
18	Advanced mass balance characterization and fractionation of algal biomass composition. <i>Journal of Applied Phycology</i> , 2021, 33, 2695-2708.	2.8	10

#	ARTICLE	IF	CITATIONS
19	A data-driven comparison of commercially available testing methods for algae characterization. <i>Algal Research</i> , 2021, 53, 102134.	4.6	7
20	Disruption of the Snf1 Gene Enhances Cell Growth and Reduces the Metabolic Burden in Cellulase-Expressing and Lipid-Accumulating <i>Yarrowia lipolytica</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 757741.	3.5	6
21	Solvent-free spectroscopic method for high-throughput, quantitative screening of fatty acids in yeast biomass. <i>Analytical Methods</i> , 2019, 11, 58-69.	2.7	3
22	Synthesis of Hydrophilic Derivative Surfactants From Algae-Derived Unsaponifiable Lipids. <i>Frontiers in Chemical Engineering</i> , 2022, 3, .	2.7	1