Petronella Slegers

List of Publications by Year
in descending order

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20 papers	1,517 citations	759233 12 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	2064 citing authors

#	Article	IF	Citations
1	Techno-economic evaluation of microalgae harvesting and dewatering systems. Algal Research, 2018, 31, 347-362.	4.6	383
2	Food commodities from microalgae. Current Opinion in Biotechnology, 2013, 24, 169-177.	6.6	333
3	The potential of future foods for sustainable and healthy diets. Nature Sustainability, 2018, 1, 782-789.	23.7	197
4	Design scenarios for flat panel photobioreactors. Applied Energy, 2011, 88, 3342-3353.	10.1	155
5	Scenario analysis of large scale algae production in tubular photobioreactors. Applied Energy, 2013, 105, 395-406.	10.1	99
6	Scenario evaluation of open pond microalgae production. Algal Research, 2013, 2, 358-368.	4.6	95
7	Design and construction of the microalgal pilot facility AlgaePARC. Algal Research, 2014, 6, 160-169.	4.6	51
8	Effect of biomass concentration on the productivity of Tetraselmis suecica in a pilot-scale tubular photobioreactor using natural sunlight. Algal Research, 2014, 4, 12-18.	4.6	42
9	The potential of optimized process design to advance LCA performance of algae production systems. Applied Energy, 2015, 154, 1122-1127.	10.1	34
10	Logistic analysis of algae cultivation. Bioresource Technology, 2015, 179, 314-322.	9.6	19
11	A model-based combinatorial optimisation approach for energy-efficient processing of microalgae. Algal Research, 2014, 5, 140-157.	4.6	17
12	Maize feedstocks with improved digestibility reduce the costs and environmental impacts of biomass pretreatment and saccharification. Biotechnology for Biofuels, 2016, 9, 63.	6.2	17
13	A bottom-up approach to model the environmental impact of the last-mile in an urban food-system. Sustainable Production and Consumption, 2021, 26, 958-970.	11.0	12
14	Hybrid solar-seaweed biorefinery for co-production of biochemicals, biofuels, electricity, and water: Thermodynamics, life cycle assessment, and cost-benefit analysis. Energy Conversion and Management, 2021, 246, 114679.	9.2	12
15	Productivity of Nannochloropsis oceanica in an industrial closely spaced flat panel photobioreactor. Algal Research, 2019, 43, 101632.	4.6	11
16	Environmental impact and nutritional value of food products using the seaweed Saccharina latissima. Journal of Cleaner Production, 2021, 319, 128689.	9.3	11
17	Sustainable scenarios for alkaline protein extraction from leafy biomass using green tea residue as a model material. Biofuels, Bioproducts and Biorefining, 2018, 12, 586-599.	3.7	8
18	Polyhydroxyalkanoates and biochar from green macroalgal Ulva sp. biomass subcritical hydrolysates: Process optimization and a priori economic and greenhouse emissions break-even analysis. Science of the Total Environment, 2021, 770, 145281.	8.0	8

#	Article	IF	Citations
19	Outdoor performance of Chlorococcum littorale at different locations. Algal Research, 2017, 27, 55-64.	4.6	7
20	Use of OR to design food frequency questionnaires in nutritional epidemiology. Operations Research for Health Care, 2012, 1, 30-33.	1.2	3