

# Petronella Slegers

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9764186/publications.pdf>

Version: 2024-02-01

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	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
2	Polyhydroxyalkanoates and biochar from green macroalgal <i>Ulva</i> 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
3	Environmental impact and nutritional value of food products using the seaweed <i>Saccharina latissima</i> . Journal of Cleaner Production, 2021, 319, 128689.	9.3	11
4	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
5	Productivity of <i>Nannochloropsis oceanica</i> in an industrial closely spaced flat panel photobioreactor. Algal Research, 2019, 43, 101632.	4.6	11
6	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
7	Techno-economic evaluation of microalgae harvesting and dewatering systems. Algal Research, 2018, 31, 347-362.	4.6	383
8	The potential of future foods for sustainable and healthy diets. Nature Sustainability, 2018, 1, 782-789.	23.7	197
9	Outdoor performance of <i>Chlorococcum littorale</i> at different locations. Algal Research, 2017, 27, 55-64.	4.6	7
10	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
11	Logistic analysis of algae cultivation. Bioresource Technology, 2015, 179, 314-322.	9.6	19
12	The potential of optimized process design to advance LCA performance of algae production systems. Applied Energy, 2015, 154, 1122-1127.	10.1	34
13	Effect of biomass concentration on the productivity of <i>Tetraselmis suecica</i> in a pilot-scale tubular photobioreactor using natural sunlight. Algal Research, 2014, 4, 12-18.	4.6	42
14	Design and construction of the microalgal pilot facility AlgaePARC. Algal Research, 2014, 6, 160-169.	4.6	51
15	A model-based combinatorial optimisation approach for energy-efficient processing of microalgae. Algal Research, 2014, 5, 140-157.	4.6	17
16	Food commodities from microalgae. Current Opinion in Biotechnology, 2013, 24, 169-177.	6.6	333
17	Scenario evaluation of open pond microalgae production. Algal Research, 2013, 2, 358-368.	4.6	95
18	Scenario analysis of large scale algae production in tubular photobioreactors. Applied Energy, 2013, 105, 395-406.	10.1	99

#	ARTICLE	IF	CITATIONS
19	Use of OR to design food frequency questionnaires in nutritional epidemiology. <i>Operations Research for Health Care</i> , 2012, 1, 30-33.	1.2	3
20	Design scenarios for flat panel photobioreactors. <i>Applied Energy</i> , 2011, 88, 3342-3353.	10.1	155