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List of Publications by Year in descending order

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papers

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citations

840119

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docs citations

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643
citing authors

#	ARTICLE	IF	CITATIONS
1	Installing extra bicarbonate transporters in the cyanobacterium <i>Synechocystis</i> sp. PCC6803 enhances biomass production. <i>Metabolic Engineering</i> , 2015, 29, 76-85.	3.6	76
2	Enhanced lipid productivity in AGP knockout marine microalga <i>Tetraselmis</i> sp. using a DNA-free CRISPR-Cas9 RNP method. <i>Bioresource Technology</i> , 2020, 303, 122932.	4.8	68
3	Development of a floating photobioreactor with internal partitions for efficient utilization of ocean wave into improved mass transfer and algal culture mixing. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 713-723.	1.7	56
4	Theoretical Calculations on the Feasibility of Microalgal Biofuels: Utilization of Marine Resources Could Help Realizing the Potential of Microalgae. <i>Biotechnology Journal</i> , 2016, 11, 1461-1470.	1.8	45
5	Exopolysaccharide microchannels direct bacterial motility and organize multicellular behavior. <i>ISME Journal</i> , 2016, 10, 2620-2632.	4.4	44
6	Metabolic phenotyping of the cyanobacterium <i>Synechocystis</i> 6803 engineered for production of alkanes and free fatty acids. <i>Applied Energy</i> , 2013, 102, 850-859.	5.1	41
7	Algal biomass and biodiesel production by utilizing the nutrients dissolved in seawater using semi-permeable membrane photobioreactors. <i>Journal of Applied Phycology</i> , 2015, 27, 1763-1773.	1.5	39
8	Improvement of biomass and fatty acid productivity in ocean cultivation of <i>Tetraselmis</i> sp. using hypersaline medium. <i>Journal of Applied Phycology</i> , 2018, 30, 2725-2735.	1.5	22
9	Specific light uptake rates can enhance astaxanthin productivity in <i>Haematococcus lacustris</i> . <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 815-823.	1.7	19
10	Enhanced Fatty Acid Productivity by <i>Parachlorella</i> sp., a Freshwater Microalga, via Adaptive Laboratory Evolution Under Salt Stress. <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 223-231.	1.4	17
11	Seasonal Assessment of Biomass and Fatty Acid Productivity by <i>Tetraselmis</i> sp. in the Ocean Using Semi-Permeable Membrane Photobioreactors. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1098-1102.	0.9	17
12	New Surface Modification Method To Develop a PET-Based Membrane with Enhanced Ion Permeability and Organic Fouling Resistance for Efficient Production of Marine Microalgae. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25253-25265.	4.0	9
13	Improving microalgae removal efficiency using chemically-processed clays. <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 787-793.	1.4	8
14	Enhancing Microalgal Biomass Productivity in Floating Photobioreactors with Semi-Permeable Membranes Grafted with 4-Hydroxyphenethyl Bromide. <i>Macromolecular Research</i> , 2020, 28, 145-151.	1.0	6
15	Fabrication of hydrogel composite membranes for culturing microalgae in semipermeable membrane-based photobioreactors. <i>Journal of Polymer Science Part A</i> , 2016, 54, 108-114.	2.5	5
16	Enhancing Photon Utilization Efficiency for Astaxanthin Production from <i>Haematococcus lacustris</i> Using a Split-Column Photobioreactor. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1285-1289.	0.9	5
17	Development of porous fabrication of hydrogel composite membranes with enhanced ion permeability for microalgal cultivation in the ocean. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48324.	1.3	4
18	Verification of a Relationship between Ultraviolet Radiation and Initial Microalgal Cell Density Using a Floating Marine Photobioreactor. <i>Journal of Marine Bioscience and Biotechnology</i> , 2015, 7, 52-57.	0.1	0