Sirasit Srinuanpan

List of Publications by Year
in descending order

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23 papers	487 citations	759233 12 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	442 citing authors

#	Article	IF	Citations
1	Strategies to increase the potential use of oleaginous microalgae as biodiesel feedstocks: Nutrient starvations and cost-effective harvesting process. Renewable Energy, 2018, 122, 507-516.	8.9	60
2	A rapid method for harvesting and immobilization of oleaginous microalgae using pellet-forming filamentous fungi and the application in phytoremediation of secondary effluent. International Journal of Phytoremediation, 2018, 20, 1017-1024.	3.1	53
3	Effective biogas upgrading and production of biodiesel feedstocks by strategic cultivation of oleaginous microalgae. Energy, 2018, 148, 766-774.	8.8	48
4	Biocapture of CO 2 from biogas by oleaginous microalgae for improving methane content and simultaneously producing lipid. Bioresource Technology, 2014, 170, 90-99.	9.6	47
5	Immobilized oleaginous microalgae as effective two-phase purify unit for biogas and anaerobic digester effluent coupling with lipid production. Bioresource Technology, 2019, 281, 149-157.	9.6	38
6	Strategies to improve methane content in biogas by cultivation of oleaginous microalgae and the evaluation of fuel properties of the microalgal lipids. Renewable Energy, 2017, 113, 1229-1241.	8.9	29
7	Zero-waste biorefinery of oleaginous microalgae as promising sources of biofuels and biochemicals through direct transesterification and acid hydrolysis. Process Biochemistry, 2020, 95, 214-222.	3.7	29
8	Photoautotrophic cultivation of oleaginous microalgae and co-pelletization with filamentous fungi for cost-effective harvesting process and improved lipid yield. Aquaculture International, 2018, 26, 1493-1509.	2.2	26
9	Enhanced production of microalgal biomass and lipid as an environmentally friendly biodiesel feedstock through actinomycete co-culture in biogas digestate effluent. Bioresource Technology, 2021, 337, 125446.	9.6	26
10	A successful biorefinery approach of macroalgal biomass as a promising sustainable source to produce bioactive nutraceutical and biodiesel. Biomass Conversion and Biorefinery, 2023, 13, 1089-1099.	4.6	21
11	Lipid Profile, Antioxidant and Antihypertensive Activity, and Computational Molecular Docking of Diatom Fatty Acids as ACE Inhibitors. Antioxidants, 2022, 11, 186.	5.1	15
12	Enhanced production of astaxanthin and co-bioproducts from microalga Haematococcus sp. integrated with valorization of industrial wastewater under two-stage LED light illumination strategy. Environmental Technology and Innovation, 2022, 28, 102620.	6.1	12
13	Environmental-friendly pretreatment and process optimization of macroalgal biomass for effective ethanol production as an alternative fuel using Saccharomyces cerevisiae. Biocatalysis and Agricultural Biotechnology, 2021, 31, 101919.	3.1	11
14	Transforming microalgal Chlorella biomass into cosmetically and nutraceutically protein hydrolysates using high-efficiency enzymatic hydrolysis approach. Biomass Conversion and Biorefinery, 2023, 13, 6299-6315.	4.6	10
15	Optimizing physicochemical factors for two-stage cultivation of newly isolated oleaginous microalgae from local lake as promising sources of pigments, PUFAs and biodiesel feedstocks. Bioresource Technology Reports, 2021, 15, 100738.	2.7	10
16	Maximizing biomass productivity of cyanobacterium Nostoc sp. through high-throughput bioprocess optimization and application in multiproduct biorefinery towards a holistic zero waste. Biomass Conversion and Biorefinery, 2024, 14, 327-347.	4.6	10
17	Biological activities and phytochemicals profiling of different cyanobacterial and microalgal biomass. Biomass Conversion and Biorefinery, 2023, 13, 4195-4211.	4.6	9
18	Effect of drying process and long-term storage on characterization of Longan pulps and their biological aspects: Antioxidant and cholinesterase inhibition activities. LWT - Food Science and Technology, 2022, 154, 112692.	5.2	8

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19	Performance of Actinobacteria isolated from rhizosphere soils on plant growth promotion under cadmium toxicity. International Journal of Phytoremediation, 2021, 23, 1497-1505.	3.1	7
20	Efficient Harvesting of Microalgal biomass and Direct Conversion of Microalgal Lipids into Biodiesel. , 2020, , 83-96.		6
21	Oleaginous Microalgae Cultivation for Biogas Upgrading and Phytoremediation of Wastewater. , 2020, , 69-82.		6
22	Designation of rice cake starters for fermented rice products with desired characteristics and fast fermentation. Journal of Food Science and Technology, 2019, 56, 3014-3022.	2.8	3
23	Palm Oil Decanter Cake Wastes as Alternative Nutrient Sources and Biomass Support Particles for Production of Fungal Whole-Cell Lipase and Application as Low-Cost Biocatalyst for Biodiesel Production. Processes, 2021, 9, 1365.	2.8	3