Shuhao Huo

List of Publications by Year
in descending order

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Version: 2024-02-01

37	1,095	567281 15	414414 32
papers	citations	h-index	g-index

37	37	37	1304
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microalgae-based wastewater treatment for nutrients recovery: A review. Bioresource Technology, 2019, 291, 121934.	9.6	413
2	Cultivation of Chlorella zofingiensis in bench-scale outdoor ponds by regulation of pH using dairy wastewater in winter, South China. Bioresource Technology, 2012, 121, 76-82.	9.6	109
3	Fast pyrolysis of LERDADEs for renewable biofuels. IET Renewable Power Generation, 2020, 14, 959-967.	3.1	46
4	The influence of microalgae on vegetable production and nutrient removal in greenhouse hydroponics. Journal of Cleaner Production, 2020, 243, 118563.	9.3	42
5	Advanced treatment of the low concentration petrochemical wastewater by Tribonema sp. microalgae grown in the open photobioreactors coupled with the traditional Anaerobic/Oxic process. Bioresource Technology, 2018, 270, 476-481.	9.6	40
6	Magnetic field intervention on growth of the filamentous microalgae Tribonema sp. in starch wastewater for algal biomass production and nutrients removal: Influence of ambient temperature and operational strategy. Bioresource Technology, 2020, 303, 122884.	9.6	38
7	Enzyme-Assisted Extraction of Oil from Wet Microalgae Scenedesmus sp. G4. Energies, 2015, 8, 8165-8174.	3.1	36
8	Production and characterization of a novel acidophilic and thermostable xylanase from Thermoascus aurantiacu. International Journal of Biological Macromolecules, 2018, 109, 1270-1279.	7.5	34
9	Repeated Utilization of Ionic Liquid to Extract Lipid from Algal Biomass. International Journal of Polymer Science, 2019, 2019, 1-7.	2.7	24
10	Post treatment of swine anaerobic effluent by weak electric field following intermittent vacuum assisted adjustment of N:P ratio for oil-rich filamentous microalgae production. Bioresource Technology, 2020, 314, 123718.	9.6	24
11	A two-stage system coupling hydrolytic acidification with algal microcosms for treatment of wastewater from the manufacture of acrylonitrile butadiene styrene (ABS) resin. Biotechnology Letters, 2018, 40, 689-696.	2.2	23
12	Available Resources for Algal Biofuel Development in China. Energies, 2011, 4, 1321-1335.	3.1	20
13	Transcriptomic analysis of Listeria monocytogenes under pulsed magnetic field treatment. Food Research International, 2020, 133, 109195.	6.2	19
14	Optimization of the Cell Immobilization-Based Chain-Elongation Process for Efficient n-Caproate Production. ACS Sustainable Chemistry and Engineering, 2021, 9, 4014-4023.	6.7	17
15	Control of Grifola frondosa Morphology by Agitation and Aeration for Improving Mycelia and Exo-Polymer Production. Applied Biochemistry and Biotechnology, 2016, 179, 459-473.	2.9	16
16	Immobilization of Lipase by Ionic Liquid-Modified Mesoporous SiO2 Adsorption and Calcium Alginate-Embedding Method. Applied Biochemistry and Biotechnology, 2018, 185, 606-618.	2.9	16
17	The effects of refractory pollutants in swine wastewater on the growth of Scenedesmus sp. with biofilm attached culture. International Journal of Phytoremediation, 2020, 22, 241-250.	3.1	14
18	Influence of fluid dynamics on anaerobic digestion of food waste for biogas production. Environmental Technology (United Kingdom), 2017, 38, 1160-1168.	2.2	13

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19	Mixotrophic Chlorella sp. UJ-3 cultivation in the typical anaerobic fermentation effluents. Bioresource Technology, 2018, 249, 219-225.	9.6	13
20	Development of a Strategy for Enhancing the Biomass Growth and Lipid Accumulation of Chlorella sp. UJ-3 Using Magnetic Fe3O4 Nanoparticles. Nanomaterials, 2021, 11, 2802.	4.1	13
21	A preliminary study on polysaccharide extraction, purification, and antioxidant properties of sugar-rich filamentous microalgae Tribonema minus. Journal of Applied Phycology, 2022, 34, 2755-2767.	2.8	13
22	Optimization of Alkaline Flocculation for Harvesting of Scenedesmus quadricauda #507 and Chaetoceros muelleri #862. Energies, 2014, 7, 6186-6195.	3.1	11
23	Effects of pulsed magnetic field on microbial and enzymic inactivation and quality attributes of orange juice. Journal of Food Processing and Preservation, 2021, 45, e15533.	2.0	11
24	Improved glucose and xylose co-utilization by overexpression of xylose isomerase and/or xylulokinase genes in oleaginous fungus Mucor circinelloides. Applied Microbiology and Biotechnology, 2021, 105, 5565-5575.	3.6	11
25	Outdoor Growth Characterization of an Unknown Microalga Screened from Contaminated Chlorella Culture. BioMed Research International, 2017, 2017, 1-7.	1.9	10
26	Biomass production of carbohydrate-rich filamentous microalgae coupled with treatment and nutrients recovery from acrylonitrile butadiene styrene based wastewater: Synergistic enhancement with low carbon dioxide supply strategy. Bioresource Technology, 2022, 349, 126829.	9.6	9
27	Culture of four microalgal strains for bioenergy production and nutrient removal in the meliorative municipal wastewater. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 670-679.	2.3	8
28	Process Analysis of Alkaline Flocculation Harvesting for Chaetoceros muelleri and Scenedesmus quadricauda. Bioenergy Research, 2016, 9, 682-690.	3.9	8
29	Impact of pulsed magnetic field treatment on enzymatic inactivation and quality of cloudy apple juice. Journal of Food Science and Technology, 2021, 58, 2982-2991.	2.8	7
30	Microwave assisted flocculation for harvesting of Chlorella vulgaris. Bioresource Technology, 2020, 314, 123770.	9.6	6
31	Weak magnetic field intervention on outdoor production of oil-rich filamentous microalgae: Influence of seasonal changes. Bioresource Technology, 2022, 348, 126707.	9.6	6
32	Identification of key metabolic pathways reprogrammed by BmNPV in silkworm Bombyx mori. Journal of Invertebrate Pathology, 2022, 190, 107736.	3.2	6
33	Magnetic/electric field intervention on oil-rich filamentous algae production in the application of acrylonitrile butadiene styrene based wastewater treatment. Bioresource Technology, 2022, 356, 127272.	9.6	6
34	Direct processing of alginate-immobilized microalgae into polyhydroxybutyrate using marine bacterium of Saccharophagus degradans. Bioresource Technology, 2022, 351, 126898.	9.6	5
35	Algal biorefinery for sustainable development and the challenges. Proceedings of Institution of Civil Engineers: Energy, 2016, 169, 179-186.	0.6	3
36	Glycoproteome in silkworm Bombyx mori and alteration by BmCPV infection. Journal of Proteomics, 2020, 222, 103802.	2.4	3

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37	Medium optimization forChlorella zofingiensisbiomass production using central composite design. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 769-776.	2.3	2