

Dong Wei

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

1,576
citations

18
h-index

39
g-index

43
ext. papers

1,906
ext. citations

6.9
avg, IF

5.18
L-index

#	Paper	IF	Citations
40	Ultrahigh Adsorption of Toxic Substances from Cigarette Smoke Using Nanocellulose-SiO ₂ Hybrid Aerogels. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 1173-1182	4.3	3
39	Ultrahigh recovery rate of nitrate from synthetic wastewater by Chlorella-based photo-fermentation with optimal light-emitting diode illumination: From laboratory to pilot plant.. <i>Bioresource Technology</i> , 2022 , 348, 126779	11	0
38	Screening and effect evaluation of chemical inducers for enhancing astaxanthin and lipid production in mixotrophic <i>Chromochloris zofingiensis</i> . <i>Journal of Applied Phycology</i> , 2022 , 34, 159	3.2	2
37	The thermoacidophilic red alga <i>Galdieria sulphuraria</i> is a highly efficient cell factory for ammonium recovery from ultrahigh-NH ₄ ⁺ industrial effluent with co-production of high-protein biomass by photo-fermentation. <i>Chemical Engineering Journal</i> , 2022 , 438, 135598	14.7	0
36	Interactive effects of warming and copper toxicity on a tropical freshwater green microalga <i>Chloromonas augustae</i> (Chlorophyceae). <i>Journal of Applied Phycology</i> , 2021 , 33, 67-77	3.2	3
35	IFN- γ /SrBG composite scaffolds promote osteogenesis by sequential regulation of macrophages from M1 to M2. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 1867-1876	7.3	9
34	Untargeted Metabolomics Unveil Changes in Autotrophic and Mixotrophic Exposed to High-Light Intensity. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
33	Mixotrophic <i>Chlorella pyrenoidosa</i> as cell factory for ultrahigh-efficient removal of ammonium from catalyzer wastewater with valuable algal biomass coproduction through short-time acclimation. <i>Bioresource Technology</i> , 2021 , 333, 125151	11	6
32	Transcriptome analysis reveals metabolic regulation mechanism of microalga <i>Chlorella pyrenoidosa</i> in response to the mixed culture with yeast <i>Yarrowia lipolytica</i> . <i>Journal of Applied Phycology</i> , 2020 , 32, 2841-2849	3.2	1
31	High-yield production of biomass, protein and pigments by mixotrophic <i>Chlorella pyrenoidosa</i> through the bioconversion of high ammonium in wastewater. <i>Bioresource Technology</i> , 2020 , 313, 123499 ¹¹		15
30	Improving Fucoxanthin Production in Mixotrophic Culture of Marine Diatom by LED Light Shift and Nitrogen Supplementation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 820	5.8	21
29	Effects of urea on cell growth and physiological response in pigment biosynthesis in mixotrophic <i>Chromochloris zofingiensis</i> . <i>Journal of Applied Phycology</i> , 2020 , 32, 1607-1618	3.2	7
28	Diatoms as cell factories for high-value products: chrysolaminarin, eicosapentaenoic acid, and fucoxanthin. <i>Critical Reviews in Biotechnology</i> , 2020 , 40, 993-1009	9.4	24
27	Enhanced coproduction of astaxanthin and lipids by the green microalga <i>Chromochloris zofingiensis</i> : Selected phytohormones as positive stimulators. <i>Bioresource Technology</i> , 2020 , 295, 122242 ¹¹		27
26	A novel alkalophilic Trebouxiophyte: Identification and its capability for CO capture and biomass production in high bicarbonate-based cultivation. <i>Bioresource Technology</i> , 2019 , 292, 121952	11	4
25	Effects of sugarcane bagasse hydrolysate (SCBH) on cell growth and fatty acid accumulation of heterotrophic <i>Chlorella protothecoides</i> . <i>Bioprocess and Biosystems Engineering</i> , 2019 , 42, 1129-1142	3.7	4
24	Advantage Assessment of Mixed Culture of <i>Chlorella vulgaris</i> and <i>Yarrowia lipolytica</i> for Treatment of Liquid Digestate of Yeast Industry and Cogeneration of Biofuel Feedstock. <i>Applied Biochemistry and Biotechnology</i> , 2019 , 187, 856-869	3.2	25

23	The mixed culture of microalgae <i>Chlorella pyrenoidosa</i> and yeast <i>Yarrowia lipolytica</i> for microbial biomass production. <i>Bioprocess and Biosystems Engineering</i> , 2019 , 42, 1409-1419	3.7	9
22	Identification and Characterization of MiRNAs in C-169. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	4
21	Physiological and metabolic responses of (Chlorophyceae) to nickel toxicity and warming. <i>3 Biotech</i> , 2019 , 9, 315	2.8	3
20	Enhanced single cell oil production by mixed culture of <i>Chlorella pyrenoidosa</i> and <i>Rhodotorula glutinis</i> using cassava bagasse hydrolysate as carbon source. <i>Bioresource Technology</i> , 2018 , 255, 140-148 ¹¹		35
19	Effect of crude glycerol on heterotrophic growth of <i>Chlorella pyrenoidosa</i> and <i>Coccomyxa subellipsoidea</i> C-169. <i>Journal of Applied Phycology</i> , 2018 , 30, 2989-2996	3.2	4
18	Interactive effects of temperature and copper toxicity on photosynthetic efficiency and metabolic plasticity in <i>Scenedesmus quadricauda</i> (Chlorophyceae). <i>Journal of Applied Phycology</i> , 2018 , 30, 3029-3041 ²		11
17	Efficient resource recycling from liquid digestate by microalgae-yeast mixed culture and the assessment of key gene transcription related to nitrogen assimilation in microalgae. <i>Bioresource Technology</i> , 2018 , 264, 90-97	11	36
16	Dual-species cultivation of microalgae and yeast for enhanced biomass and microbial lipid production. <i>Journal of Applied Phycology</i> , 2018 , 30, 2997-3007	3.2	24
15	Effects of <i>Xanthophyllomyces dendrorhous</i> on cell growth, lipid, and astaxanthin production of <i>Chromochloris zofingiensis</i> by mixed culture strategy. <i>Journal of Applied Phycology</i> , 2018 , 30, 3009-3015 ^{3,2}		8
14	Molecular characterization of CO ₂ sequestration and assimilation in microalgae and its biotechnological applications. <i>Bioresource Technology</i> , 2017 , 244, 1207-1215	11	44
13	From low-cost substrates to Single Cell Oils synthesized by oleaginous yeasts. <i>Bioresource Technology</i> , 2017 , 245, 1507-1519	11	100
12	Enhanced production of astaxanthin by <i>Chromochloris zofingiensis</i> in a microplate-based culture system under high light irradiation. <i>Bioresource Technology</i> , 2017 , 245, 518-529	11	31
11	Rapid Estimation of Astaxanthin and the Carotenoid-to-Chlorophyll Ratio in the Green Microalga <i>Chromochloris zofingiensis</i> Using Flow Cytometry. <i>Marine Drugs</i> , 2017 , 15,	6	26
10	Global Metabolic Regulation of the Snow Alga <i>Chlamydomonas nivalis</i> in Response to Nitrate or Phosphate Deprivation by a Metabolome Profile Analysis. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	21
9	Extracellular Metabolites from Industrial Microalgae and Their Biotechnological Potential. <i>Marine Drugs</i> , 2016 , 14,	6	96
8	Transcriptome analysis reveals global regulation in response to CO ₂ supplementation in oleaginous microalga <i>Coccomyxa subellipsoidea</i> C-169. <i>Biotechnology for Biofuels</i> , 2016 , 9, 151	7.8	34
7	Rapid Characterization of Fatty Acids in Oleaginous Microalgae by Near-Infrared Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 7045-56	6.3	11
6	Mutation breeding of extracellular polysaccharide-producing microalga <i>Cryptocodinium cohnii</i> by a novel mutagenesis with atmospheric and room temperature plasma. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 8201-12	6.3	31

- 5 Identification of Specific Variations in a Non-Motile Strain of Cyanobacterium *Synechocystis* sp. PCC 6803 Originated from ATCC 27184 by Whole Genome Resequencing. *International Journal of Molecular Sciences*, **2015**, 16, 24081-93 6.3 7
- 4 High yields of fatty acid and neutral lipid production from cassava bagasse hydrolysate (CBH) by heterotrophic *Chlorella protothecoides*. *Bioresource Technology*, **2015**, 191, 281-90 11 24
- 3 Sll0528, a Site-2-Protease, Is Critically Involved in Cold, Salt and Hyperosmotic Stress Acclimation of Cyanobacterium *Synechocystis* sp. PCC 6803. *International Journal of Molecular Sciences*, **2014**, 15, 22678-22693 6.3 24
- 2 Butyric acid production from sugarcane bagasse hydrolysate by *Clostridium tyrobutyricum* immobilized in a fibrous-bed bioreactor. *Bioresource Technology*, **2013**, 129, 553-60 11 84
- 1 Biodiesel production by microalgal biotechnology. *Applied Energy*, **2010**, 87, 38-46 10.7 768