Dong Wei

List of Publications by Citations

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	Biodiesel production by microalgal biotechnology. *Applied Energy*, **2010**, 87, 38-46	10.7	768
39	From low-cost substrates to Single Cell Oils synthesized by oleaginous yeasts. *Bioresource Technology*, **2017**, 245, 1507-1519	11	100
38	Extracellular Metabolites from Industrial Microalgae and Their Biotechnological Potential. *Marine Drugs*, **2016**, 14,	6	96
37	Butyric acid production from sugarcane bagasse hydrolysate by Clostridium tyrobutyricum immobilized in a fibrous-bed bioreactor. *Bioresource Technology*, **2013**, 129, 553-60	11	84
36	Molecular characterization of CO sequestration and assimilation in microalgae and its biotechnological applications. *Bioresource Technology*, **2017**, 244, 1207-1215	11	44
35	Efficient resource recycling from liquid digestate by microalgae-yeast mixed culture and the assessment of key gene transcription related to nitrogen assimilation in microalgae. *Bioresource Technology*, **2018**, 264, 90-97	11	36
34	Enhanced single cell oil production by mixed culture of Chlorella pyrenoidosa and Rhodotorula glutinis using cassava bagasse hydrolysate as carbon source. *Bioresource Technology*, **2018**, 255, 140-148	11	35
33	Transcriptome analysis reveals global regulation in response to CO2 supplementation in oleaginous microalga Coccomyxa subellipsoidea C-169. *Biotechnology for Biofuels*, **2016**, 9, 151	7.8	34
32	Mutation breeding of extracellular polysaccharide-producing microalga Crypthecodinium cohnii by a novel mutagenesis with atmospheric and room temperature plasma. *International Journal of Molecular Sciences*, **2015**, 16, 8201-12	6.3	31
31	Enhanced production of astaxanthin by Chromochloris zofingiensis in a microplate-based culture system under high light irradiation. *Bioresource Technology*, **2017**, 245, 518-529	11	31
30	Enhanced coproduction of astaxanthin and lipids by the green microalga Chromochloris zofingiensis: Selected phytohormones as positive stimulators. *Bioresource Technology*, **2020**, 295, 122242	11	27
29	Rapid Estimation of Astaxanthin and the Carotenoid-to-Chlorophyll Ratio in the Green Microalga Chromochloris zofingiensis Using Flow Cytometry. *Marine Drugs*, **2017**, 15,	6	26
28	Advantage Assessment of Mixed Culture of Chlorella vulgaris and Yarrowia lipolytica for Treatment of Liquid Digestate of Yeast Industry and Cogeneration of Biofuel Feedstock. *Applied Biochemistry and Biotechnology*, **2019**, 187, 856-869	3.2	25
27	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
26	Diatoms as cell factories for high-value products: chrysolaminarin, eicosapentaenoic acid, and fucoxanthin. *Critical Reviews in Biotechnology*, **2020**, 40, 993-1009	9.4	24
25	Dual-species cultivation of microalgae and yeast for enhanced biomass and microbial lipid production. *Journal of Applied Phycology*, **2018**, 30, 2997-3007	3.2	24
24	Improving Fucoxanthin Production in Mixotrophic Culture of Marine Diatom by LED Light Shift and Nitrogen Supplementation. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 820	5.8	21

23	Global Metabolic Regulation of the Snow Alga Chlamydomonas nivalis in Response to Nitrate or Phosphate Deprivation by a Metabolome Profile Analysis. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	21
22	High-yield production of biomass, protein and pigments by mixotrophic Chlorella pyrenoidosa through the bioconversion of high ammonium in wastewater. *Bioresource Technology*, **2020**, 313, 123499	11	15
21	Rapid Characterization of Fatty Acids in Oleaginous Microalgae by Near-Infrared Spectroscopy. *International Journal of Molecular Sciences*, **2015**, 16, 7045-56	6.3	11
20	Interactive effects of temperature and copper toxicity on photosynthetic efficiency and metabolic plasticity in Scenedesmus quadricauda (Chlorophyceae). *Journal of Applied Phycology*, **2018**, 30, 3029-3041	3.2	11
19	The mixed culture of microalgae Chlorella pyrenoidosa and yeast Yarrowia lipolytica for microbial biomass production. *Bioprocess and Biosystems Engineering*, **2019**, 42, 1409-1419	3.7	9
18	IFN-γ/SrBG composite scaffolds promote osteogenesis by sequential regulation of macrophages from M1 to M2. *Journal of Materials Chemistry B*, **2021**, 9, 1867-1876	7.3	9
17	Effects of Xanthophyllomyces dendrorhous on cell growth, lipid, and astaxanthin production of Chromochloris zofingiensis by mixed culture strategy. *Journal of Applied Phycology*, **2018**, 30, 3009-3015	3.2	8
16	Effects of urea on cell growth and physiological response in pigment biosynthesis in mixotrophic Chromochloris zofingiensis. *Journal of Applied Phycology*, **2020**, 32, 1607-1618	3.2	7
15	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
14	Mixotrophic Chlorella pyrenoidosa as cell factory for ultrahigh-efficient removal of ammonium from catalyzer wastewater with valuable algal biomass coproduction through short-time acclimation. *Bioresource Technology*, **2021**, 333, 125151	11	6
13	A novel alkalophilic Trebouxiophyte: Identification and its capability for CO capture and biomass production in high bicarbonate-based cultivation. *Bioresource Technology*, **2019**, 292, 121952	11	4
12	Effects of sugarcane bagasse hydrolysate (SCBH) on cell growth and fatty acid accumulation of heterotrophic Chlorella protothecoides. *Bioprocess and Biosystems Engineering*, **2019**, 42, 1129-1142	3.7	4
11	Effect of crude glycerol on heterotrophic growth of Chlorella pyrenoidosa and Coccomyxa subellipsoidea C-169. *Journal of Applied Phycology*, **2018**, 30, 2989-2996	3.2	4
10	Identification and Characterization of MiRNAs in C-169. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	4
9	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	4
8	Physiological and metabolic responses of (Chlorophyceae) to nickel toxicity and warming. *3 Biotech*, **2019**, 9, 315	2.8	3
7	Ultrahigh Adsorption of Toxic Substances from Cigarette Smoke Using Nanocellulose-SiO2 Hybrid Aerogels. *ACS Applied Polymer Materials*, **2022**, 4, 1173-1182	4.3	3
6	Interactive effects of warming and copper toxicity on a tropical freshwater green microalga Chloromonas augustae (Chlorophyceae). *Journal of Applied Phycology*, **2021**, 33, 67-77	3.2	3

5	Screening and effect evaluation of chemical inducers for enhancing astaxanthin and lipid production in mixotrophic Chromochloris zofingiensis. *Journal of Applied Phycology*, **2022**, 34, 159	3.2	2
4	Untargeted Metabolomics Unveil Changes in Autotrophic and Mixotrophic Exposed to High-Light Intensity. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
3	Transcriptome analysis reveals metabolic regulation mechanism of microalga Chlorella pyrenoidosa in response to the mixed culture with yeast Yarrowia lipolytica. *Journal of Applied Phycology*, **2020**, 32, 2841-2849	3.2	1
2	Ultrahigh recovery rate of nitrate from synthetic wastewater by Chlorella-based photo-fermentation with optimal light-emitting diode illumination: From laboratory to pilot plant.. *Bioresource Technology*, **2022**, 348, 126779	11	0
1	The thermoacidophilic red alga Galdieria sulphuraria is a highly efficient cell factory for ammonium recovery from ultrahigh-NH4+ industrial effluent with co-production of high-protein biomass by photo-fermentation. *Chemical Engineering Journal*, **2022**, 438, 135598	14.7	0