

# Dong Wei

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

2,238  
citations

331670

21  
h-index

265206

42  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2732  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiesel production by microalgal biotechnology. <i>Applied Energy</i> , 2010, 87, 38-46.	10.1	889
2	From low-cost substrates to Single Cell Oils synthesized by oleaginous yeasts. <i>Bioresource Technology</i> , 2017, 245, 1507-1519.	9.6	153
3	Extracellular Metabolites from Industrial Microalgae and Their Biotechnological Potential. <i>Marine Drugs</i> , 2016, 14, 191.	4.6	128
4	Butyric acid production from sugarcane bagasse hydrolysate by <i>Clostridium tyrobutyricum</i> immobilized in a fibrous-bed bioreactor. <i>Bioresource Technology</i> , 2013, 129, 553-560.	9.6	100
5	Diatoms as cell factories for high-value products: chrysolaminarin, eicosapentaenoic acid, and fucoxanthin. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 993-1009.	9.0	70
6	Molecular characterization of CO <sub>2</sub> sequestration and assimilation in microalgae and its biotechnological applications. <i>Bioresource Technology</i> , 2017, 244, 1207-1215.	9.6	61
7	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.	9.6	55
8	Improving Fucoxanthin Production in Mixotrophic Culture of Marine Diatom <i>Phaeodactylum tricornutum</i> by LED Light Shift and Nitrogen Supplementation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 820.	4.1	54
9	Transcriptome analysis reveals global regulation in response to CO <sub>2</sub> supplementation in oleaginous microalga <i>Coccomyxa subellipsoidea</i> C-169. <i>Biotechnology for Biofuels</i> , 2016, 9, 151.	6.2	53
10	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.	9.6	51
11	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.	9.6	48
12	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.	9.6	45
13	Biological Detoxification of Mycotoxins: Current Status and Future Advances. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1064.	4.1	45
14	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, 8201-8212.	4.1	44
15	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, 231.	4.6	41
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.	2.8	40
17	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.	9.6	36
18	High yields of fatty acid and neutral lipid production from cassava bagasse hydrolysate (CBH) by heterotrophic <i>Chlorella protothecoides</i> . <i>Bioresource Technology</i> , 2015, 191, 281-290.	9.6	32

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19	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.	2.9	31
20	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.	9.6	31
21	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, 694.	4.1	26
22	IFN- $\gamma$ /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.	5.8	23
23	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.	2.8	20
24	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.	3.4	18
25	Rapid Characterization of Fatty Acids in Oleaginous Microalgae by Near-Infrared Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2015, 16, 7045-7056.	4.1	14
26	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.	2.8	12
27	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.	2.8	12
28	Ultrahigh Adsorption of Toxic Substances from Cigarette Smoke Using Nanocellulose-SiO <sub>2</sub> Hybrid Aerogels. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1173-1182.	4.4	11
29	The thermoacidophilic red alga <i>Galdieria sulphuraria</i> is a highly efficient cell factory for ammonium recovery from ultrahigh-NH <sub>4</sub> <sup>+</sup> industrial effluent with co-production of high-protein biomass by photo-fermentation. <i>Chemical Engineering Journal</i> , 2022, 438, 135598.	12.7	11
30	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.	2.8	10
31	Identification of Specific Variations in a Non-Motile Strain of Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 Originated from ATCC 27184 by Whole Genome Resequencing. <i>International Journal of Molecular Sciences</i> , 2015, 16, 24081-24093.	4.1	9
32	Ultrahigh recovery rate of nitrate from synthetic wastewater by <i>Chlorella</i> -based photo-fermentation with optimal light-emitting diode illumination: From laboratory to pilot plant. <i>Bioresource Technology</i> , 2022, 348, 126779.	9.6	8
33	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.	3.4	7
34	Untargeted Metabolomics Unveil Changes in Autotrophic and Mixotrophic <i>Galdieria sulphuraria</i> Exposed to High-Light Intensity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1247.	4.1	7
35	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, 159-176.	2.8	7
36	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.	2.8	6

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37	Identification and Characterization of MiRNAs in <i>Coccomyxa subellipsoidea</i> C-169. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3448.	4.1	6
38	A novel alkalophilic Trebouxiophyte: Identification and its capability for CO <sub>2</sub> capture and biomass production in high bicarbonate-based cultivation. <i>Bioresource Technology</i> , 2019, 292, 121952.	9.6	6
39	Sll0528, a Site-2-Protease, Is Critically Involved in Cold, Salt and Hyperosmotic Stress Acclimation of <i>Cyanobacterium Synechocystis</i> sp. PCC 6803. <i>International Journal of Molecular Sciences</i> , 2014, 15, 22678-22693.	4.1	5
40	Physiological and metabolic responses of <i>Scenedesmus quadricauda</i> (Chlorophyceae) to nickel toxicity and warming. <i>3 Biotech</i> , 2019, 9, 315.	2.2	5
41	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.	2.8	5
42	<i>Pseudomonas protegens</i> FJKB0103 Isolated from Rhizosphere Exhibits Anti-Methicillin-Resistant <i>Staphylococcus aureus</i> Activity. <i>Microorganisms</i> , 2022, 10, 315.	3.6	2