

Fantao Kong

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

715
citations

567144

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h-index

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25
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34
all docs

34
docs citations

34
times ranked

626
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence of antibiotics in waters, removal by microalgae-based systems, and their toxicological effects: A review. <i>Science of the Total Environment</i> , 2022, 813, 151891.	3.9	50
2	Kinetic modeling and process analysis for photo-production of β -carotene in <i>Dunaliella salina</i> . <i>Bioresources and Bioprocessing</i> , 2022, 9, .	2.0	3
3	The <i>Chlamydomonas</i> transcription factor MYB1 mediates lipid accumulation under nitrogen depletion. <i>New Phytologist</i> , 2022, 235, 595-610.	3.5	6
4	Differences in Glycerolipid Response of <i>Chlamydomonas reinhardtii</i> Starchless Mutant to High Light and Nitrogen Deprivation Stress Under Three Carbon Supply Regimes. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	2
5	Genome editing approaches applied to microalgae-based fuels. , 2022, , 47-64.		2
6	Enhanced accumulation of oil through co-expression of fatty acid and ABC transporters in <i>Chlamydomonas</i> under standard growth conditions. , 2022, 15, .		11
7	Pilot outdoor cultivation of an extreme alkaliphilic Trebouxiophyte in a floating photobioreactor using bicarbonate as carbon source. <i>Journal of Cleaner Production</i> , 2021, 283, 124648.	4.6	16
8	The disassembly of lipid droplets in <i>Chlamydomonas</i> . <i>New Phytologist</i> , 2021, 231, 1359-1364.	3.5	19
9	Glowing plants can light up the night sky? A review. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3706-3715.	1.7	2
10	<i>Chlamydomonas</i> cell cycle mutant <i>crdc5</i> over-accumulates starch and oil. <i>Biochimie</i> , 2020, 169, 54-61.	1.3	13
11	Cost-Effective and Efficient Production of Carbohydrates from an Alkaliphilic <i>Leptolyngbya</i> sp. in a Photobioreactor with Periodical Mixing. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15310-15316.	3.2	10
12	The phosphatidylethanolamine-binding protein DTH1 mediates degradation of lipid droplets in <i>Chlamydomonas reinhardtii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23131-23139.	3.3	14
13	Seawater supplemented with bicarbonate for efficient marine microalgae production in floating photobioreactor on ocean: A case study of <i>Chlorella</i> sp.. <i>Science of the Total Environment</i> , 2020, 738, 139439.	3.9	28
14	Galactolipid DGDG and Betaine Lipid DGTS Direct De Novo Synthesized Linolenate into Triacylglycerol in a Stress-Induced Starchless Mutant of <i>Chlamydomonas reinhardtii</i> . <i>Plant and Cell Physiology</i> , 2020, 61, 851-862.	1.5	11
15	Efficient CO ₂ capture from the air for high microalgal biomass production by a bicarbonate Pool. <i>Journal of CO₂ Utilization</i> , 2020, 37, 320-327.	3.3	51
16	ROS Induce β -Carotene Biosynthesis Caused by Changes of Photosynthesis Efficiency and Energy Metabolism in <i>Dunaliella salina</i> Under Stress Conditions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 613768.	2.0	25
17	CrABCA2 Facilitates Triacylglycerol Accumulation in under Nitrogen Starvation. <i>Molecules and Cells</i> , 2020, 43, 48-57.	1.0	5
18	Molecular Genetic Tools and Emerging Synthetic Biology Strategies to Increase Cellular Oil Content in <i>Chlamydomonas reinhardtii</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 1184-1196.	1.5	41

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19	The bZIP1 Transcription Factor Regulates Lipid Remodeling and Contributes to ER Stress Management in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2019, 31, 1127-1140.	3.1	34
20	Branched-Chain Amino Acid Catabolism Impacts Triacylglycerol Homeostasis in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2019, 179, 1502-1514.	2.3	26
21	Progress on the development of floating photobioreactor for microalgae cultivation and its application potential. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 190.	1.7	35
22	Lipid catabolism in microalgae. <i>New Phytologist</i> , 2018, 218, 1340-1348.	3.5	83
23	Interorganelle Communication: Peroxisomal MALATE DEHYDROGENASE2 Connects Lipid Catabolism to Photosynthesis through Redox Coupling in <i>Chlamydomonas</i> . <i>Plant Cell</i> , 2018, 30, 1824-1847.	3.1	51
24	Identification of Insertion Site by RESDA-PCR in <i>Chlamydomonas</i> Mutants Generated by AphVIII Random Insertional Mutagenesis. <i>Bio-protocol</i> , 2018, 8, e2718.	0.2	2
25	<i>Chlamydomonas</i> carries out fatty acid β -oxidation in ancestral peroxisomes using a bona fide acyl-CoA oxidase. <i>Plant Journal</i> , 2017, 90, 358-371.	2.8	80
26	UV-mediated <i>Chlamydomonas</i> mutants with enhanced nuclear transgene expression by disruption of DNA methylation-dependent and independent silencing systems. <i>Plant Molecular Biology</i> , 2016, 92, 629-641.	2.0	23
27	Whole Genome Re-Sequencing Identifies a Quantitative Trait Locus Repressing Carbon Reserve Accumulation during Optimal Growth in <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2016, 6, 25209.	1.6	12
28	Robust expression of heterologous genes by selection marker fusion system in improved <i>Chlamydomonas</i> strains. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 239-245.	1.1	32
29	Expression levels of domestic cDNA cassettes integrated in the nuclear genomes of various <i>Chlamydomonas reinhardtii</i> strains. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 613-616.	1.1	21
30	Mesoporous TiO ₂ nanoparticles: A new material for biolistic bombardment. <i>Phycological Research</i> , 2013, 61, 58-60.	0.8	3