

Hui Chen

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,056
citations

218677
26
h-index

265206
42
g-index

53
all docs

53
docs citations

53
times ranked

2763
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen Starvation Induced Oxidative Stress in an Oil-Producing Green Alga <i>Chlorella sorokiniana</i> C3. PLoS ONE, 2013, 8, e69225.	2.5	161
2	Deficiency of mitophagy receptor FUNDC1 impairs mitochondrial quality and aggravates dietary-induced obesity and metabolic syndrome. Autophagy, 2019, 15, 1882-1898.	9.1	131
3	The initiation, propagation and dynamics of CRISPR-SpyCas9 R-loop complex. Nucleic Acids Research, 2018, 46, 350-361.	14.5	128
4	Migrasome formation is mediated by assembly of micron-scale tetraspanin macrodomains. Nature Cell Biology, 2019, 21, 991-1002.	10.3	121
5	Direct effects of airborne PM2.5 exposure on macrophage polarizations. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2835-2843.	2.4	93
6	Comparative metabolic profiling of the lipid-producing green microalga <i>Chlorella</i> reveals that nitrogen and carbon metabolic pathways contribute to lipid metabolism. Biotechnology for Biofuels, 2017, 10, 153.	6.2	87
7	Ammonium Nitrogen Tolerant <i>Chlorella</i> Strain Screening and Its Damaging Effects on Photosynthesis. Frontiers in Microbiology, 2018, 9, 3250.	3.5	84
8	Accurate prediction of potential druggable proteins based on genetic algorithm and Bagging-SVM ensemble classifier. Artificial Intelligence in Medicine, 2019, 98, 35-47.	6.5	72
9	Microalgal biofuel revisited: An informatics-based analysis of developments to date and future prospects. Applied Energy, 2015, 155, 585-598.	10.1	71
10	Regulatory mechanisms of lipid biosynthesis in microalgae. Biological Reviews, 2021, 96, 2373-2391.	10.4	71
11	Ca ²⁺ Signal Transduction Related to Neutral Lipid Synthesis in an Oil-Producing Green Alga <i>Chlorella</i> sp. C2. Plant and Cell Physiology, 2014, 55, 634-644.	3.1	70
12	Current Status and Outlook in the Application of Microalgae in Biodiesel Production and Environmental Protection. Frontiers in Energy Research, 0, 2, .	2.3	66
13	Ca ²⁺ -regulated cyclic electron flow supplies ATP for nitrogen starvation-induced lipid biosynthesis in green alga. Scientific Reports, 2015, 5, 15117.	3.3	58
14	Ten years of algal biofuel and bioproducts: gains and pains. Planta, 2019, 249, 195-219.	3.2	57
15	Algal biofuel production coupled bioremediation of biomass power plant wastes based on <i>Chlorella</i> sp. C2 cultivation. Applied Energy, 2018, 211, 296-305.	10.1	55
16	Microalgae-based nitrogen bioremediation. Algal Research, 2020, 46, 101775.	4.6	42
17	The molecular basis for lipase stereoselectivity. Applied Microbiology and Biotechnology, 2018, 102, 3487-3495.	3.6	41
18	Effective Biological DeNO _x of Industrial Flue Gas by the Mixotrophic Cultivation of an Oil-Producing Green Alga <i>Chlorella</i> sp. C2. Environmental Science & Technology, 2016, 50, 1620-1627.	10.0	40

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19	Evaluation of an Oil-Producing Green Alga <i>Chlorella</i> sp. C2 for Biological DeNO _x of Industrial Flue Gases. <i>Environmental Science & Technology</i> , 2014, 48, 10497-10504.	10.0	35
20	Mutagenesis and redox partners analysis of the P450 fatty acid decarboxylase OleTJE. <i>Scientific Reports</i> , 2017, 7, 44258.	3.3	34
21	Reconstitution of the <i>In Vitro</i> Activity of the Cyclosporine-Specific P450 Hydroxylase from <i>Sebekia benihana</i> and Development of a Heterologous Whole-Cell Biotransformation System. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6268-6275.	3.1	33
22	The acclimation of <i>Chlorella</i> to high-level nitrite for potential application in biological NO _x removal from industrial flue gases. <i>Journal of Plant Physiology</i> , 2016, 195, 73-79.	3.5	33
23	Amorphous nickel titanium alloy film: A new choice for cryo electron microscopy sample preparation. <i>Progress in Biophysics and Molecular Biology</i> , 2020, 156, 3-13.	2.9	33
24	Mechanical activation of spike fosters SARS-CoV-2 viral infection. <i>Cell Research</i> , 2021, 31, 1047-1060.	12.0	33
25	Dynamic Changes of IsiA-Containing Complexes during Long-Term Iron Deficiency in <i>Synechocystis</i> sp. PCC 6803. <i>Molecular Plant</i> , 2017, 10, 143-154.	8.3	32
26	Small Antisense RNA RblR Positively Regulates RuBisCo in <i>Synechocystis</i> sp. PCC 6803. <i>Frontiers in Microbiology</i> , 2017, 8, 231.	3.5	32
27	Deep Sequencing-Based Identification of Small Regulatory RNAs in <i>Synechocystis</i> sp. PCC 6803. <i>PLoS ONE</i> , 2014, 9, e92711.	2.5	28
28	An autoimmune disease variant of IgG1 modulates B cell activation and differentiation. <i>Science</i> , 2018, 362, 700-705.	12.6	28
29	Microalgal biofuels in China: The past, progress and prospects. <i>GCB Bioenergy</i> , 2020, 12, 1044-1065.	5.6	25
30	Low-Temperature Adaptation of the Snow Alga <i>Chlamydomonas nivalis</i> Is Associated With the Photosynthetic System Regulatory Process. <i>Frontiers in Microbiology</i> , 2020, 11, 1233.	3.5	25
31	The Acceptor Side of Photosystem II Is the Initial Target of Nitrite Stress in <i>Synechocystis</i> sp. Strain PCC 6803. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	24
32	Simplified, rapid, and inexpensive estimation of water primary productivity based on chlorophyll fluorescence parameter Fo. <i>Journal of Plant Physiology</i> , 2017, 211, 128-135.	3.5	23
33	An informatics-based analysis of developments to date and prospects for the application of microalgae in the biological sequestration of industrial flue gas. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 2073-2082.	3.6	19
34	Improved Productivity of Neutral Lipids in <i>Chlorella</i> sp. A2 by Minimal Nitrogen Supply. <i>Frontiers in Microbiology</i> , 2016, 7, 557.	3.5	18
35	Bioremediation of Pyropia-processing wastewater coupled with lipid production using <i>Chlorella</i> sp.. <i>Bioresource Technology</i> , 2021, 321, 124428.	9.6	18
36	Improving the Secretory Expression of an α -Galactosidase from <i>Aspergillus niger</i> in <i>Pichia pastoris</i> . <i>PLoS ONE</i> , 2016, 11, e0161529.	2.5	15

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37	Thf1 interacts with PS I and stabilizes the PS I complex in <i>Synechococcus</i> sp. PCC7942. <i>Molecular Microbiology</i> , 2016, 102, 738-751.	2.5	15
38	The Small Regulatory Antisense RNA PilR Affects Pilus Formation and Cell Motility by Negatively Regulating pilA11 in <i>Synechocystis</i> sp. PCC 6803. <i>Frontiers in Microbiology</i> , 2018, 9, 786.	3.5	15
39	Time-course effects of Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) on <i>Chlorella pyrenoidosa</i> : Growth inhibition and adaptability mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 402, 123784.	12.4	15
40	Phosphatase wild-type p53-induced phosphatase 1 controls the development of TH9 cells and allergic airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 2168-2181.	2.9	14
41	Regulation and Functional Complexity of the Chlorophyll-Binding Protein IsiA. <i>Frontiers in Microbiology</i> , 2021, 12, 774107.	3.5	9
42	Argonaute Facilitates the Lateral Diffusion of the Guide along Its Target and Prevents the Guide from Being Pushed Away by the Ribosome. <i>Biochemistry</i> , 2018, 57, 2179-2183.	2.5	8
43	Low temperature combined with high inoculum density improves alpha-linolenic acid production and biochemical characteristics of <i>Chlamydomonas reinhardtii</i> . <i>Bioresource Technology</i> , 2022, 348, 126746.	9.6	8
44	Development of MEMS directed evolution strategy for multiplied throughput and convergent evolution of cytochrome P450 enzymes. <i>Science China Life Sciences</i> , 2022, 65, 550-560.	4.9	6
45	Remarkable Natural Biological Resource of Algae for Medical Applications. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	6
46	Microalgae-Based Green Bio-Manufacturing—How Far From Us. <i>Frontiers in Microbiology</i> , 2022, 13, 832097.	3.5	5
47	Distinct roles of alternative oxidase pathway during the greening process of etiolated algae. <i>Science China Life Sciences</i> , 2021, 64, 816-827.	4.9	4
48	Reprint of “Amorphous nickel titanium alloy film: A new choice for cryo electron microscopy sample preparation”. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 160, 5-15.	2.9	3
49	Small antisense RNA ThfR positively regulates Thf1 in <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Plant Physiology</i> , 2022, 271, 153642.	3.5	2
50	A Novel Method for Non-invasive Estimation of Primary Productivity in Aquatic Ecosystems Using a Chlorophyll Fluorescence-Induced Dynamic Curve. <i>Frontiers in Microbiology</i> , 2021, 12, 682250.	3.5	1