

# Zhangli Hu

## List of Publications by Year in descending order

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106  
papers

2,973  
citations

201674

27  
h-index

197818

49  
g-index

107  
all docs

107  
docs citations

107  
times ranked

3480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphological, physiological and molecular assessment of cotton for drought tolerance under field conditions. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 444-452.	3.8	12
2	Molecular cloning and expression analysis of mytilin-like antimicrobial peptides from Asian green mussel <i>Perna viridis</i> . <i>Fish and Shellfish Immunology</i> , 2022, 121, 239-244.	3.6	5
3	Discovery and Characterization of a New Crustin Antimicrobial Peptide from <i>Amphibalanus amphitrite</i> . <i>Pharmaceutics</i> , 2022, 14, 413.	4.5	8
4	Establishment and optimization of PEG-mediated protoplast transformation in the microalga <i>Haematococcus pluvialis</i> . <i>Journal of Applied Phycology</i> , 2022, 34, 1595-1605.	2.8	5
5	A U-Box Type E3 Ubiquitin Ligase Prp19-Like Protein Negatively Regulates Lipid Accumulation and Cell Size in <i>Chlamydomonas reinhardtii</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 860024.	3.5	0
6	Microcosm study on cold adaptation and recovery of an exotic mangrove plant, <i>Laguncularia racemosa</i> in China. <i>Marine Environmental Research</i> , 2022, 176, 105611.	2.5	5
7	Cryo-EM structure of the fatty acid reductase LuxC-LuxE complex provides insights into bacterial bioluminescence. <i>Journal of Biological Chemistry</i> , 2022, 298, 102006.	3.4	2
8	Overexpressing CrePAPS Polyadenylate Activity Enhances Protein Translation and Accumulation in <i>Chlamydomonas reinhardtii</i> . <i>Marine Drugs</i> , 2022, 20, 276.	4.6	1
9	Toxicological Effects of Microplastics and Sulfadiazine on the Microalgae <i>Chlamydomonas reinhardtii</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 865768.	3.5	4
10	Biochar immobilized bacteria enhances nitrogen removal capability of tidal flow constructed wetlands. <i>Science of the Total Environment</i> , 2022, 836, 155728.	8.0	16
11	Comparative Studies on DNA-Binding Mechanisms between Enantiomers of a Polypyridyl Ruthenium(II) Complex. <i>Journal of Physical Chemistry B</i> , 2022, 126, 4787-4798.	2.6	8
12	Phylogeny and Taxonomic Synopsis of the Genus <i>Bougainvillea</i> (Nyctaginaceae). <i>Plants</i> , 2022, 11, 1700.	3.5	5
13	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
14	Poly(ADP-ribose) glycohydrolase silencing-mediated H2B expression inhibits benzo(a)pyrene-induced carcinogenesis. <i>Environmental Toxicology</i> , 2021, 36, 291-297.	4.0	16
15	Unsaturated mannuronate oligosaccharide ameliorates $\beta$ -amyloid pathology through autophagy in Alzheimer's disease cell models. <i>Carbohydrate Polymers</i> , 2021, 251, 117124.	10.2	27
16	Interaction mechanism of a natural medicine product helicid with a typical digestive enzyme trypsin. <i>Spectroscopy Letters</i> , 2021, 54, 99-112.	1.0	0
17	Comparison of microbial community structure and function in sediment between natural regenerated and original mangrove forests in a National Nature Mangrove Reserve, South China. <i>Marine Pollution Bulletin</i> , 2021, 163, 111955.	5.0	9
18	Mechanisms of thermal treatment on two dominant copepod species in O3/BAC processing of drinking water. <i>Ecotoxicology</i> , 2021, 30, 945-953.	2.4	1

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19	Signs of biofilm formation in the genome of <i>Labrenzia</i> sp. PO1. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1900-1912.	3.8	9
20	Temporal variability of free-living microbial culturability and community composition after an <i>Akashiwo sanguinea</i> bloom in Shenzhen, China. <i>Ecotoxicology</i> , 2021, 30, 975-985.	2.4	3
21	The Roles of Cullins E3 Ubiquitin Ligases in the Lipid Biosynthesis of the Green Microalgae <i>Chlamydomonas reinhardtii</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 4695.	4.1	4
22	Transcriptome-based analysis of the effects of salicylic acid and high light on lipid and astaxanthin accumulation in <i>Haematococcus pluvialis</i> . <i>Biotechnology for Biofuels</i> , 2021, 14, 82.	6.2	22
23	Genipin Attenuates Tau Phosphorylation and A $\beta$ <sup>2</sup> Levels in Cellular Models of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2021, 58, 4134-4144.	4.0	10
24	Water reuse and growth inhibition mechanisms for cultivation of microalga <i>Euglena gracilis</i> . <i>Biotechnology for Biofuels</i> , 2021, 14, 132.	6.2	23
25	Optimization of preparation conditions and in vitro sustained-release evaluation of a novel nanoemulsion encapsulating unsaturated guluronate oligosaccharide. <i>Carbohydrate Polymers</i> , 2021, 264, 118047.	10.2	10
26	Metabolic Responses of a Model Green Microalga <i>Euglena gracilis</i> to Different Environmental Stresses. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 662655.	4.1	20
27	Microcosm Study on Allelopathic Effects of Leaf Litter Leachates and Purified Condensed Tannins from <i>Kandelia obovata</i> on Germination and Growth of <i>Aegiceras corniculatum</i> . <i>Forests</i> , 2021, 12, 1000.	2.1	7
28	Methyltransferase-like 3 Modulates Severe Acute Respiratory Syndrome Coronavirus-2 RNA N6-Methyladenosine Modification and Replication. <i>MBio</i> , 2021, 12, e0106721.	4.1	53
29	Bioaugmented constructed wetlands for efficient saline wastewater treatment with multiple denitrification pathways. <i>Bioresource Technology</i> , 2021, 335, 125236.	9.6	26
30	Recent Advanced Metabolic and Genetic Engineering of Phenylpropanoid Biosynthetic Pathways. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9544.	4.1	22
31	The Critical Role of Small RNAs in Regulating Plant Innate Immunity. <i>Biomolecules</i> , 2021, 11, 184.	4.0	14
32	Utilization of nitrogen self-doped biocarbon derived from soybean nodule in electrochemically sensing ascorbic acid and dopamine. <i>Journal of Porous Materials</i> , 2021, 28, 529-541.	2.6	7
33	The Functionally Characterization of Putative Genes Involved in the Formation of Mannose in the Aplanospore Cell Wall of <i>Haematococcus pluvialis</i> (Volvocales, Chlorophyta). <i>Metabolites</i> , 2021, 11, 725.	2.9	5
34	A Comprehensive Characterization of Monoallelic Expression During Hematopoiesis and Leukemogenesis via Single-Cell RNA-Sequencing. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 702897.	3.7	5
35	<i>Haematococcus pluvialis</i> Accumulated Lipid and Astaxanthin in a Moderate and Sustainable Way by the Self-Protection Mechanism of Salicylic Acid Under Sodium Acetate Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 763742.	3.6	5
36	Novel Harziane Diterpenes from Deep-Sea Sediment Fungus <i>Trichoderma</i> sp. SCSIW21 and Their Potential Anti-Inflammatory Effects. <i>Marine Drugs</i> , 2021, 19, 689.	4.6	12

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37	A review on the progress, challenges and prospects in commercializing microalgal fucoxanthin. <i>Biotechnology Advances</i> , 2021, 53, 107865.	11.7	39
38	<i>Euglena gracilis</i> and Its Aqueous Extract Constructed With Chitosan-Hyaluronic Acid Hydrogel Facilitate Cutaneous Wound Healing in Mice Without Inducing Excessive Inflammatory Response. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 713840.	4.1	5
39	Continuous production of algicidal compounds against <i>Akashiwo sanguinea</i> via a <i>Vibrio</i> sp. co-culture. <i>Bioresource Technology</i> , 2020, 295, 122246.	9.6	26
40	<i>De Novo</i> Transcriptome Analysis of Polyunsaturated Fatty Acid Metabolism in Marine Protist <i>Thraustochytriidae</i> sp. PKU#Mn16. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2020, 97, 35-48.	1.9	7
41	A study on the nitrogen removal efficacy of bacterium <i>Acinetobacter tandoii</i> MZ-5 from a contaminated river of Shenzhen, Guangdong Province, China. <i>Bioresource Technology</i> , 2020, 315, 123888.	9.6	42
42	Pre-concentration of microalga <i>Euglena gracilis</i> by alkalescent pH treatment and flocculation mechanism of Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> , Mg <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> , and derivatives. <i>Biotechnology for Biofuels</i> , 2020, 13, 98.	6.2	21
43	Effect of Nitrogen Sources on Omega-3 Polyunsaturated Fatty Acid Biosynthesis and Gene Expression in <i>Thraustochytriidae</i> sp.. <i>Marine Drugs</i> , 2020, 18, 612.	4.6	5
44	Comparative Analysis of Complete Chloroplast Genome Sequences of Wild and Cultivated <i>Bougainvillea</i> (Nyctaginaceae). <i>Plants</i> , 2020, 9, 1671.	3.5	8
45	Contamination evaluation and source identification of heavy metals in sediments near outlet of Shekou industrial district of Shenzhen City. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 772.	2.7	9
46	Isolation and Characterization of New Anti-Inflammatory and Antioxidant Components from Deep Marine-Derived Fungus <i>Myrothecium</i> sp. Bzo-I062. <i>Marine Drugs</i> , 2020, 18, 597.	4.6	12
47	Inhibition of glucose assimilation in <i>Auxenochlorella protothecoides</i> by light. <i>Biotechnology for Biofuels</i> , 2020, 13, 146.	6.2	11
48	Coexisting overexpression of STOML1 and STOML2 proteins may be associated with pathology of oral squamous cell carcinoma. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2020, 129, 591-599.e3.	0.4	4
49	Carbon isotope ratio of leaf litter correlates with litter production in a mangrove ecosystem in South China. <i>Marine Pollution Bulletin</i> , 2020, 157, 111224.	5.0	5
50	Characterization and Neuroprotection Potential of Seleno-Polymannuronate. <i>Frontiers in Pharmacology</i> , 2020, 11, 21.	3.5	11
51	The inhibitory activity of alginate against allergic reactions in an ovalbumin-induced mouse model. <i>Food and Function</i> , 2020, 11, 2704-2713.	4.6	29
52	Specific Degradation of Endogenous Tau Protein and Inhibition of Tau Fibrillation by Tanshinone IIA through the Ubiquitin-Proteasome Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 2054-2062.	5.2	20
53	Comparative Transcriptomic Analysis Uncovers Genes Responsible for the DHA Enhancement in the Mutant <i>Aurantiochytrium</i> sp.. <i>Microorganisms</i> , 2020, 8, 529.	3.6	23
54	Hydrogen peroxide sensor HPCA1 is an LRR receptor kinase in <i>Arabidopsis</i> . <i>Nature</i> , 2020, 578, 577-581.	27.8	334

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55	Draft Genome Sequence of an Algicidal Bacterium, <i>Arenibacter</i> sp. Strain 6A1, Isolated from Seawater during an <i>Akashiwo sanguinea</i> Bloom in Shenzhen, China. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	2
56	New Biofortification Tool: Wheat TaCNR5 Enhances Zinc and Manganese Tolerance and Increases Zinc and Manganese Accumulation in Rice Grains. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9877-9884.	5.2	37
57	Recent advancement and strategy on bio-hydrogen production from photosynthetic microalgae. <i>Bioresource Technology</i> , 2019, 292, 121972.	9.6	127
58	Plant cell-surface GIPC sphingolipids sense salt to trigger Ca <sup>2+</sup> influx. <i>Nature</i> , 2019, 572, 341-346.	27.8	341
59	&lt;p&gt;Overexpression Of hsa-miR-664a-3p Is Associated With Cigarette Smoke-Induced Chronic Obstructive Pulmonary Disease Via Targeting FHL1&lt;/p&gt;. <i>International Journal of COPD</i> , 2019, Volume 14, 2319-2329.	2.3	21
60	Improved Cd, Zn and Mn tolerance and reduced Cd accumulation in grains with wheat-based cell number regulator TaCNR2. <i>Scientific Reports</i> , 2019, 9, 870.	3.3	42
61	Epibiotic bacterial community composition in red-tide dinoflagellate <i>Akashiwo sanguinea</i> culture under various growth conditions. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	16
62	Understanding the functions of endogenous DOF transcript factor in <i>Chlamydomonas reinhardtii</i> . <i>Biotechnology for Biofuels</i> , 2019, 12, 67.	6.2	23
63	Effects of cadmium toxicity on diploid wheat ( <i>Triticum urartu</i> ) and the molecular mechanism of the cadmium response. <i>Journal of Hazardous Materials</i> , 2019, 374, 1-10.	12.4	60
64	Heterologous expression of TuCAX1a and TuCAX1b enhances Ca <sup>2+</sup> and Zn <sup>2+</sup> translocation in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2019, 38, 597-607.	5.6	5
65	Discovery of Geranylgeranyl Pyrophosphate Synthase (GGPPS) Paralogs from <i>Haematococcus pluvialis</i> Based on Iso-Seq Analysis and Their Function on Astaxanthin Biosynthesis. <i>Marine Drugs</i> , 2019, 17, 696.	4.6	12
66	Trypsin inhibition by Ligupurpuroside B as studied using spectroscopic, CD, and molecular docking techniques. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3379-3387.	3.5	5
67	Dissection of binding of trypsin to its natural inhibitor Gensenoside-Rg1 using spectroscopic methods and molecular modeling. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 4070-4079.	3.5	5
68	Wheat Cell Number Regulator CNR10 Enhances the Tolerance, Translocation, and Accumulation of Heavy Metals in Plants. <i>Environmental Science &amp; Technology</i> , 2019, 53, 860-867.	10.0	34
69	Genome and Transcriptome Sequencing of the Astaxanthin-Producing Green Microalga, <i>Haematococcus pluvialis</i> . <i>Genome Biology and Evolution</i> , 2019, 11, 166-173.	2.5	52
70	Refractive index and pulse broadening characterization using oil immersion and its influence on three-photon microscopy excited at the 1700-nm window. <i>Journal of Biophotonics</i> , 2019, 12, e201800263.	2.3	3
71	Growth and lipid accumulation by different nutrients in the microalga <i>Chlamydomonas reinhardtii</i> . <i>Biotechnology for Biofuels</i> , 2018, 11, 40.	6.2	107
72	Effect of overexpression of LPAAT and GPD1 on lipid synthesis and composition in green microalga <i>Chlamydomonas reinhardtii</i> . <i>Journal of Applied Phycology</i> , 2018, 30, 1711-1719.	2.8	33

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73	Conformation change of trypsin induced by acteoside as studied using multiple spectroscopic and molecular docking methods. <i>International Journal of Food Properties</i> , 2018, 21, 301-312.	3.0	17
74	Identification and characterization of a novel defensin from Asian green mussel <i>Perna viridis</i> . <i>Fish and Shellfish Immunology</i> , 2018, 74, 242-249.	3.6	10
75	Improved photobio-H <sub>2</sub> production regulated by artificial miRNA targeting psbA in green microalga <i>Chlamydomonas reinhardtii</i> . <i>Biotechnology for Biofuels</i> , 2018, 11, 36.	6.2	20
76	Comparative studies on DNA-binding and in vitro antitumor activity of enantiomeric ruthenium(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 54-60.	3.5	37
77	Assessment of pollutions and identification of sources of heavy metals in sediments from west coast of Shenzhen, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3647-3656.	5.3	40
78	Biosynthesis and Secretion of Human Tissue Kallikrein in Transgenic <i>Chlamydomonas reinhardtii</i> . <i>Marine Drugs</i> , 2018, 16, 493.	4.6	2
79	Multi-spectroscopic studies on the interaction between traditional Chinese herb, helicid with pepsin. <i>Molecular Biology Reports</i> , 2018, 45, 1637-1646.	2.3	11
80	Immune Activation of RAW264.7 Macrophages by Low Molecular Weight Fucoidan Extracted from New Zealand <i>Undaria pinnatifida</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10721-10728.	5.2	60
81	Binding mechanism of lipase to Ligupurpuroside B extracted from Ku-Ding tea as studied by multi-spectroscopic and molecular docking methods. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1345-1352.	7.5	26
82	Mechanisms of microRNA-mediated gene regulation in unicellular model alga <i>Chlamydomonas reinhardtii</i> . <i>Biotechnology for Biofuels</i> , 2018, 11, 244.	6.2	26
83	Flagella-Associated WDR-Containing Protein CrFAP89 Regulates Growth and Lipid Accumulation in <i>Chlamydomonas reinhardtii</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 691.	3.6	4
84	Transgenerational Epigenetic Inheritance Under Environmental Stress by Genome-Wide DNA Methylation Profiling in Cyanobacterium. <i>Frontiers in Microbiology</i> , 2018, 9, 1479.	3.5	19
85	An endogenous microRNA (miRNA1166.1) can regulate photobio-H <sub>2</sub> production in eukaryotic green alga <i>Chlamydomonas reinhardtii</i> . <i>Biotechnology for Biofuels</i> , 2018, 11, 126.	6.2	17
86	Mechanism and Nature of Inhibition of Trypsin by Ligupurpuroside A, a Ku-Ding Tea Extract, Studied by Spectroscopic and Docking Methods. <i>Food Biophysics</i> , 2017, 12, 78-87.	3.0	22
87	Artificial miRNA inhibition of phosphoenolpyruvate carboxylase increases fatty acid production in a green microalga <i>Chlamydomonas reinhardtii</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 91.	6.2	48
88	Current advances on fermentative biobutanol production using third generation feedstock. <i>Biotechnology Advances</i> , 2017, 35, 1049-1059.	11.7	98
89	Effects of selenite on green microalga <i>Haematococcus pluvialis</i> : Bioaccumulation of selenium and enhancement of astaxanthin production. <i>Aquatic Toxicology</i> , 2017, 183, 21-27.	4.0	49
90	A Novel Organic Electrochemical Transistor-Based Platform for Monitoring the Senescent Green Vegetative Phase of <i>Haematococcus pluvialis</i> Cells. <i>Sensors</i> , 2017, 17, 1997.	3.8	11

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91	Optogenetic regulation of artificial microRNA improves H2 production in green alga <i>Chlamydomonas reinhardtii</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 257.	6.2	28
92	Temporal Patterns in Bacterioplankton Community Composition in Three Reservoirs of Similar Trophic Status in Shenzhen, China. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 599.	2.6	1
93	Genome-wide long non-coding RNA screening, identification and characterization in a model microorganism <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2016, 6, 34109.	3.3	43
94	Characterization of long-chain acyl-CoA synthetases which stimulate secretion of fatty acids in green algae <i>Chlamydomonas reinhardtii</i> . <i>Biotechnology for Biofuels</i> , 2016, 9, 184.	6.2	44
95	Fatty acid and metabolomic profiling approaches differentiate heterotrophic and mixotrophic culture conditions in a microalgal food supplement 'Euglena'. <i>BMC Biotechnology</i> , 2016, 16, 49.	3.3	34
96	Study on the mechanism of the interaction between acteoside and pepsin using spectroscopic techniques. <i>Luminescence</i> , 2015, 30, 859-866.	2.9	14
97	Study on interaction between curcumin and pepsin by spectroscopic and docking methods. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 201-208.	7.5	79
98	Estimating Cyanobacteria Community Dynamics and its Relationship with Environmental Factors. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 1141-1160.	2.6	8
99	Expression of fatty acid synthesis genes and fatty acid accumulation in <i>haematococcus pluvialis</i> under different stressors. <i>Biotechnology for Biofuels</i> , 2012, 5, 18.	6.2	167
100	Stable Expression of Antibiotic-Resistant Gene <i>ble</i> from <i>Streptoalloteichus hindustanus</i> in the Mitochondria of <i>Chlamydomonas reinhardtii</i> . <i>PLoS ONE</i> , 2012, 7, e35542.	2.5	18
101	Successful expression of heterologous <i>egfp</i> gene in the mitochondria of a photosynthetic eukaryote <i>Chlamydomonas reinhardtii</i> . <i>Mitochondrion</i> , 2011, 11, 716-721.	3.4	18
102	Comparison of two sampling methods when studying periphyton colonization in Lam Tsuen River, Hong Kong, China. <i>Chinese Journal of Oceanology and Limnology</i> , 2011, 29, 141-149.	0.7	6
103	Heterotrophic bacteria of the Dapeng Bay in the South China Sea: community structure, abundance, and the relationships of culturability with environmental factors. <i>Acta Oceanologica Sinica</i> , 2010, 29, 88-97.	1.0	9
104	Efficient expression of green fluorescent protein (GFP) mediated by a chimeric promoter in <i>Chlamydomonas reinhardtii</i> . <i>Chinese Journal of Oceanology and Limnology</i> , 2008, 26, 242-247.	0.7	23
105	Antioxidant responses of microalgal species to pyrene. <i>Journal of Applied Phycology</i> , 2006, 18, 67-78.	2.8	40
106	Exploring the binding mechanism of Ginsenoside Rd to Bovine Serum Albumin: Experimental studies and computational simulations. <i>Journal of Dispersion Science and Technology</i> , 0, , 1-12.	2.4	0