Jindong Zhao

List of Publications by Year
in descending order

65 papers	2,635 citations	172457 29 h-index	197818 49 g-index
65 all docs	65 docs citations	65 times ranked	2516 citing authors

#	Article	IF	Citations
1	Environmental DNA captures native and non-native fish community variations across the lentic and lotic systems of a megacity. Science Advances, 2022, 8, eabk0097.	10.3	25
2	Attachment of Ferredoxin: NADP+ Oxidoreductase to Phycobilisomes Is Required for Photoheterotrophic Growth of the Cyanobacterium Synechococcus sp. PCC 7002. Microorganisms, 2022, 10, 1313.	3.6	4
3	Population genetic patterns of a mangroveâ€associated frog reveal its colonization history and habitat connectivity. Diversity and Distributions, 2021, 27, 1584-1600.	4.1	6
4	Structural insight into the mechanism of energy transfer in cyanobacterial phycobilisomes. Nature Communications, 2021, 12, 5497.	12.8	59
5	Generalist carnivores can be effective biodiversity samplers of terrestrial vertebrates. Frontiers in Ecology and the Environment, 2021, 19, 557-563.	4.0	16
6	Prey partitioning and livestock consumption in the worldâ€™s richest large carnivore assemblage. Current Biology, 2021, 31, 4887-4897.e5.	3.9	29
7	Snow Leopard Dietary Preferences and Livestock Predation Revealed by Fecal DNA Metabarcoding: No Evidence for Apparent Competition Between Wild and Domestic Prey. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	8
8	IFP35 as a promising biomarker and therapeutic target for the syndromes induced by SARS-CoV-2 or influenza virus. Cell Reports, 2021, 37, 110126.	6.4	14
9	Assessment of fish communities using environmental DNA: Effect of spatial sampling design in lentic systems of different sizes. Molecular Ecology Resources, 2020, 20, 242-255.	4.8	55
10	Structural and Functional Insights into a Lysine Deacylase in the Cyanobacterium Synechococcus sp. PCC 7002. Plant Physiology, 2020, 184, 762-776.	4.8	6
11	A comprehensive and comparative evaluation of primers for metabarcoding eDNA from fish. Methods in Ecology and Evolution, 2020, 11, 1609-1625.	5.2	97
12	Microcystin-LR Degradation and Gene Regulation of Microcystin-Degrading Novosphingobium sp. THN1 at Different Carbon Concentrations. Frontiers in Microbiology, 2019, 10, 1750.	3.5	14
13	Low genetic diversity in a critically endangered primate: shallow evolutionary history or recent population bottleneck?. BMC Evolutionary Biology, 2019, 19, 134.	3.2	13
14	Structural and functional insights into the tetrameric photosystem I from heterocyst-forming cyanobacteria. Nature Plants, 2019, 5, 1087-1097.	9.3	57
15	Trophic Status Is Associated With Community Structure and Metabolic Potential of Planktonic Microbiota in Plateau Lakes. Frontiers in Microbiology, 2019, 10, 2560.	3.5	39
16	Interaction between cyanophage MaMV-DC and eight Microcystis strains, revealed by genetic defense systems. Harmful Algae, 2019, 85, 101699.	4.8	14
17	Effects of PSII Manganese-Stabilizing Protein Succinylation on Photosynthesis in the Model Cyanobacterium Synechococcus sp. PCC 7002. Plant and Cell Physiology, 2018, 59, 1466-1482.	3.1	8
18	Comparative Genomics of Degradative Novosphingobium Strains With Special Reference to Microcystin-Degrading Novosphingobium sp. THN1. Frontiers in Microbiology, 2018, 9, 2238.	3.5	43

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19	A Large-Scale Comparative Metagenomic Study Reveals the Functional Interactions in Six Bloom-Forming Microcystis-Epibiont Communities. Frontiers in Microbiology, 2018, 9, 746.	3.5	72
20	An amidase is required for proper intercellular communication in the filamentous cyanobacterium Anabaena sp. PCC 7120. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1405-E1412.	7.1	19
21	Lysine Acetylome Analysis Reveals Photosystem II Manganese-stabilizing Protein Acetylation is Involved in Negative Regulation of Oxygen Evolution in Model Cyanobacterium Synechococcus sp. PCC 7002. Molecular and Cellular Proteomics, 2017, 16, 1297-1311.	3.8	26
22	Structure of phycobilisome from the red alga Griffithsia pacifica. Nature, 2017, 551, 57-63.	27.8	183
23	Metagenomic analysis reveals potential interactions in an artificial coculture. AMB Express, 2017, 7, 193.	3.0	17
24	Metagenomic Analysis Reveals Symbiotic Relationship among Bacteria in Microcystis-Dominated Community. Frontiers in Microbiology, 2016, 7, 56.	3.5	58
25	High-yield production of extracellular type-I cellulose by the cyanobacterium Synechococcus sp. PCC 7002. Cell Discovery, 2015, 1, 15004.	6.7	40
26	Comparative genomics reveals diversified CRISPR-Cas systems of globally distributed Microcystis aeruginosa, a freshwater bloom-forming cyanobacterium. Frontiers in Microbiology, 2015, 6, 394.	3.5	58
27	Structural organization of an intact phycobilisome and its association with photosystem II. Cell Research, 2015, 25, 726-737.	12.0	117
28	CyanOmics: an integrated database of omics for the model cyanobacterium Synechococcus sp. PCC 7002. Database: the Journal of Biological Databases and Curation, 2015, 2015, .	3.0	18
29	Bayexer: an accurate and fast Bayesian demultiplexer for Illumina sequences. Bioinformatics, 2015, 31, 4000-4002.	4.1	8
30	Study on Variation of Lipids during Different Growth Phases of Living Cyanobacteria Using Easy Ambient Sonic-Spray Ionization Mass Spectrometry. Analytical Chemistry, 2014, 86, 7096-7102.	6.5	24
31	Significant energy transfer from CpcG2â€phycobilisomes to photosystem I in the cyanobacterium Synechococcus sp. PCC 7002 in the absence of ApcDâ€dependent state transitions. FEBS Letters, 2012, 586, 2342-2345.	2.8	17
32	Specific degradation of photosystem II D1 protein by a protease (Alr3815) in heterocysts of the cyanobacterium Anabaena sp. PCC7120. Science Bulletin, 2011, 56, 1068-1070.	1.7	2
33	ApcD is necessary for efficient energy transfer from phycobilisomes to photosystem I and helps to prevent photoinhibition in the cyanobacterium Synechococcus sp. PCC 7002. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 1122-1128.	1.0	97
34	PII, the key regulator of nitrogen metabolism in the cyanobacteria. Science in China Series C: Life Sciences, 2008, 51, 1056-1065.	1.3	5
35	ApcD is required for state transition but not involved in blue-light induced quenching in the cyanobacterium Anabaena sp. PCC7120. Science Bulletin, 2008, 53, 3422-3424.	9.0	14
36	PII Is Important in Regulation of Nitrogen Metabolism but Not Required for Heterocyst Formation in the Cyanobacterium Anabaena sp. PCC 7120. Journal of Biological Chemistry, 2007, 282, 33641-33648.	3.4	30

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37	A Membrane-Associated Mn-Superoxide Dismutase Protects the Photosynthetic Apparatus and Nitrogenase from Oxidative Damage in the Cyanobacterium Anabaena sp. PCC 7120. Plant and Cell Physiology, 2007, 48, 563-572.	3.1	40
38	MreB is important for cell shape but not for chromosome segregation of the filamentous cyanobacterium Anabaena sp. PCC 7120. Molecular Microbiology, 2007, 63, 1640-1652.	2.5	122
39	RbrA, a cyanobacterial rubrerythrin, functions as a FNR-dependent peroxidase in heterocysts in protection of nitrogenase from damage by hydrogen peroxide in Anabaena sp. PCC 7120. Molecular Microbiology, 2007, 66, 1219-1230.	2.5	53
40	Fluorescence Emission and Absorption Spectra of Single Anabaena sp. Strain PCC7120 CellsÂ¶. Photochemistry and Photobiology, 2007, 76, 310-313.	2.5	5
41	Construction of a non-antibiotic expression system in a marine cyanobacterium Synechococcus sp. PCC 7002 and its application in production of oral vaccine against enterotoxin of Escherichia coli. Journal of Applied Phycology, 2006, 18, 127-134.	2.8	2
42	Regulation of intracellular free calcium concentration during heterocyst differentiation by HetR and NtcA in Anabaena sp. PCC 7120. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11334-11339.	7.1	51
43	Methylglyoxal detoxification by an aldo-keto reductase in the cyanobacterium Synechococcus sp. PCC 7002. Microbiology (United Kingdom), 2006, 152, 2013-2021.	1.8	35
44	FesM, a Membrane Iron-Sulfur Protein, Is Required for Cyclic Electron Flow around Photosystem I and Photoheterotrophic Growth of the Cyanobacterium Synechococcus sp. PCC 7002. Plant Physiology, 2005, 138, 1586-1595.	4.8	11
45	CcbP, a calcium-binding protein from Anabaena sp. PCC 7120, provides evidence that calcium ions regulate heterocyst differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5744-5748.	7.1	69
46	The hydrophobic surface of PaAMP from pokeweed seeds is essential to its interaction with fungal membrane lipids and the antifungal activity. FEBS Letters, 2005, 579, 2445-2450.	2.8	7
47	HetR homodimer is a DNA-binding protein required for heterocyst differentiation, and the DNA-binding activity is inhibited by PatS. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4848-4853.	7.1	174
48	Kinetic analyses of state transitions of the cyanobacterium Synechococcus sp. PCC 7002 and its mutant strains impaired in electron transport. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1607, 121-130.	1.0	30
49	Fluorescence Emission and Absorption Spectra of Single Anabaena sp. Strain PCC7120 CellsÂ¶. Photochemistry and Photobiology, 2002, 76, 310.	2.5	22
50	Differential Expression and Localization of Mn and Fe Superoxide Dismutases in the Heterocystous Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2002, 184, 5096-5103.	2.2	63
51	Assembly of Photosystem I. Journal of Biological Chemistry, 2002, 277, 20343-20354.	3.4	113
52	Expression ofhetNduring heterocyst differentiation and its inhibition ofhetRup-regulation in the cyanobacteriumAnabaenasp. PCC 7120. FEBS Letters, 2002, 517, 87-91.	2.8	33
53	Photosystem stoichiometry and state transitions in a mutant of the cyanobacterium Synechococcus sp. PCC 7002 lacking phycocyanin. Biochimica Et Biophysica Acta - Bioenergetics, 2001, 1505, 248-257.	1.0	34
54	Molecular cloning and sequencing of the sodB gene from a heterocystous cyanobacterium Anabaena sp. PCC 7120. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1491, 248-252.	2.4	9

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55	Purification, Characterization, and Molecular Cloning of the Gene of a Seed-Specific Antimicrobial Protein from Pokeweed. Plant Physiology, 2000, 122, 1015-1024.	4.8	60
56	Identification of the Active Site of HetR Protease and Its Requirement for Heterocyst Differentiation in the Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2000, 182, 1575-1579.	2.2	37
57	Molecular cloning and sequencing of the cDNA of cop1 gene from Pisum sativum. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1395, 326-328.	2.4	8
58	Measurement of Photosystem I Activity with Photoreduction of Recombinant Flavodoxin. Analytical Biochemistry, 1998, 264, 263-270.	2.4	19
59	Molecular cloning and expression of Pfu DNA polymerase gene and its application in long-distance PCR. Science Bulletin, 1998, 43, 863-867.	1.7	6
60	Interaction between Photosystem I and Flavodoxin from the Cyanobacterium Synechococcus sp. PCC 7002 as Revealed by Chemical Cross-Linking. FEBS Journal, 1996, 235, 324-331.	0.2	40
61	Characterization of psaI and psaL Mutants of Synechococcus sp. Strain PCC 7002: A New Model for State Transitions in Cyanobacteria. Photochemistry and Photobiology, 1996, 64, 53-66.	2.5	104
62	Site-directed conversion of a cysteine to aspartate leads to the assembly of a N iron-sulfur [3Fe-4S] cluster to PsaC of photosystem I. The photoreduction of FA is independent of FB. Biochemistry, 1992, 31, 5093-5099.	2.5	119
63	Sequential Events in the Photoinhibition of Synechocystis under Sodium Stress. Plant Physiology, 1989, 91, 91-100.	4.8	20
64	Specific bleaching of phycobiliproteins from cyanobacteria and red algae at high temperature in vivo. Archives of Microbiology, 1989, 152, 447-452.	2.2	32
65	Developmental Biology of Heterocysts, 2006. , 0, , 397-418.		5