

Jindong Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4413329/publications.pdf>

Version: 2024-02-01

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 | Structure of phycobilisome from the red alga <i>Griffithsia pacifica</i> . <i>Nature</i> , 2017, 551, 57-63. | 27.8 | 183 |
| 2 | HetR homodimer is a DNA-binding protein required for heterocyst differentiation, and the DNA-binding activity is inhibited by PatS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4848-4853. | 7.1 | 174 |
| 3 | MreB is important for cell shape but not for chromosome segregation of the filamentous cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Molecular Microbiology</i> , 2007, 63, 1640-1652. | 2.5 | 122 |
| 4 | 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. <i>Biochemistry</i> , 1992, 31, 5093-5099. | 2.5 | 119 |
| 5 | Structural organization of an intact phycobilisome and its association with photosystem II. <i>Cell Research</i> , 2015, 25, 726-737. | 12.0 | 117 |
| 6 | Assembly of Photosystem I. <i>Journal of Biological Chemistry</i> , 2002, 277, 20343-20354. | 3.4 | 113 |
| 7 | Characterization of <i>psaL</i> and <i>psaL</i> Mutants of <i>Synechococcus</i> sp. Strain PCC 7002: A New Model for State Transitions in Cyanobacteria. <i>Photochemistry and Photobiology</i> , 1996, 64, 53-66. | 2.5 | 104 |
| 8 | ApcD is necessary for efficient energy transfer from phycobilisomes to photosystem I and helps to prevent photoinhibition in the cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 1122-1128. | 1.0 | 97 |
| 9 | A comprehensive and comparative evaluation of primers for metabarcoding eDNA from fish. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1609-1625. | 5.2 | 97 |
| 10 | A Large-Scale Comparative Metagenomic Study Reveals the Functional Interactions in Six Bloom-Forming <i>Microcystis</i> -Epibiont Communities. <i>Frontiers in Microbiology</i> , 2018, 9, 746. | 3.5 | 72 |
| 11 | CcbP, a calcium-binding protein from <i>Anabaena</i> sp. PCC 7120, provides evidence that calcium ions regulate heterocyst differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5744-5748. | 7.1 | 69 |
| 12 | Differential Expression and Localization of Mn and Fe Superoxide Dismutases in the Heterocystous Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2002, 184, 5096-5103. | 2.2 | 63 |
| 13 | Purification, Characterization, and Molecular Cloning of the Gene of a Seed-Specific Antimicrobial Protein from Pokeweed. <i>Plant Physiology</i> , 2000, 122, 1015-1024. | 4.8 | 60 |
| 14 | Structural insight into the mechanism of energy transfer in cyanobacterial phycobilisomes. <i>Nature Communications</i> , 2021, 12, 5497. | 12.8 | 59 |
| 15 | Comparative genomics reveals diversified CRISPR-Cas systems of globally distributed <i>Microcystis aeruginosa</i> , a freshwater bloom-forming cyanobacterium. <i>Frontiers in Microbiology</i> , 2015, 6, 394. | 3.5 | 58 |
| 16 | Metagenomic Analysis Reveals Symbiotic Relationship among Bacteria in <i>Microcystis</i> -Dominated Community. <i>Frontiers in Microbiology</i> , 2016, 7, 56. | 3.5 | 58 |
| 17 | Structural and functional insights into the tetrameric photosystem I from heterocyst-forming cyanobacteria. <i>Nature Plants</i> , 2019, 5, 1087-1097. | 9.3 | 57 |
| 18 | Assessment of fish communities using environmental DNA: Effect of spatial sampling design in lentic systems of different sizes. <i>Molecular Ecology Resources</i> , 2020, 20, 242-255. | 4.8 | 55 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | RbrA, a cyanobacterial rubrerythrin, functions as a FNR-dependent peroxidase in heterocysts in protection of nitrogenase from damage by hydrogen peroxide in <i>Anabaena</i> sp. PCC 7120. <i>Molecular Microbiology</i> , 2007, 66, 1219-1230. | 2.5 | 53 |
| 20 | Regulation of intracellular free calcium concentration during heterocyst differentiation by HetR and NtcA in <i>Anabaena</i> sp. PCC 7120. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11334-11339. | 7.1 | 51 |
| 21 | Comparative Genomics of Degradative <i>Novosphingobium</i> Strains With Special Reference to Microcystin-Degrading <i>Novosphingobium</i> sp. THN1. <i>Frontiers in Microbiology</i> , 2018, 9, 2238. | 3.5 | 43 |
| 22 | Interaction between Photosystem I and Flavodoxin from the Cyanobacterium <i>Synechococcus</i> sp. PCC 7002 as Revealed by Chemical Cross-Linking. <i>FEBS Journal</i> , 1996, 235, 324-331. | 0.2 | 40 |
| 23 | A Membrane-Associated Mn-Superoxide Dismutase Protects the Photosynthetic Apparatus and Nitrogenase from Oxidative Damage in the Cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Plant and Cell Physiology</i> , 2007, 48, 563-572. | 3.1 | 40 |
| 24 | High-yield production of extracellular type-I cellulose by the cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Cell Discovery</i> , 2015, 1, 15004. | 6.7 | 40 |
| 25 | Trophic Status Is Associated With Community Structure and Metabolic Potential of Planktonic Microbiota in Plateau Lakes. <i>Frontiers in Microbiology</i> , 2019, 10, 2560. | 3.5 | 39 |
| 26 | Identification of the Active Site of HetR Protease and Its Requirement for Heterocyst Differentiation in the Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2000, 182, 1575-1579. | 2.2 | 37 |
| 27 | Methylglyoxal detoxification by an aldo-keto reductase in the cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Microbiology (United Kingdom)</i> , 2006, 152, 2013-2021. | 1.8 | 35 |
| 28 | Photosystem stoichiometry and state transitions in a mutant of the cyanobacterium <i>Synechococcus</i> sp. PCC 7002 lacking phycocyanin. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2001, 1505, 248-257. | 1.0 | 34 |
| 29 | Expression of hetN during heterocyst differentiation and its inhibition of hetR up-regulation in the cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>FEBS Letters</i> , 2002, 517, 87-91. | 2.8 | 33 |
| 30 | Specific bleaching of phycobiliproteins from cyanobacteria and red algae at high temperature in vivo. <i>Archives of Microbiology</i> , 1989, 152, 447-452. | 2.2 | 32 |
| 31 | Kinetic analyses of state transitions of the cyanobacterium <i>Synechococcus</i> sp. PCC 7002 and its mutant strains impaired in electron transport. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2003, 1607, 121-130. | 1.0 | 30 |
| 32 | Pil Is Important in Regulation of Nitrogen Metabolism but Not Required for Heterocyst Formation in the Cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Journal of Biological Chemistry</i> , 2007, 282, 33641-33648. | 3.4 | 30 |
| 33 | Prey partitioning and livestock consumption in the world's richest large carnivore assemblage. <i>Current Biology</i> , 2021, 31, 4887-4897.e5. | 3.9 | 29 |
| 34 | Lysine Acetylation Analysis Reveals Photosystem II Manganese-stabilizing Protein Acetylation is Involved in Negative Regulation of Oxygen Evolution in Model Cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1297-1311. | 3.8 | 26 |
| 35 | Environmental DNA captures native and non-native fish community variations across the lentic and lotic systems of a megacity. <i>Science Advances</i> , 2022, 8, eabk0097. | 10.3 | 25 |
| 36 | Study on Variation of Lipids during Different Growth Phases of Living Cyanobacteria Using Easy Ambient Sonic-Spray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 7096-7102. | 6.5 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Fluorescence Emission and Absorption Spectra of Single <i>Anabaena</i> sp. Strain PCC7120 Cells. <i>Photochemistry and Photobiology</i> , 2002, 76, 310. | 2.5 | 22 |
| 38 | Sequential Events in the Photoinhibition of <i>Synechocystis</i> under Sodium Stress. <i>Plant Physiology</i> , 1989, 91, 91-100. | 4.8 | 20 |
| 39 | Measurement of Photosystem I Activity with Photoreduction of Recombinant Flavodoxin. <i>Analytical Biochemistry</i> , 1998, 264, 263-270. | 2.4 | 19 |
| 40 | An amidase is required for proper intercellular communication in the filamentous cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1405-E1412. | 7.1 | 19 |
| 41 | CyanOmics: an integrated database of omics for the model cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Database: the Journal of Biological Databases and Curation</i> , 2015, 2015, . | 3.0 | 18 |
| 42 | Significant energy transfer from CpcG2 phycobilisomes to photosystem I in the cyanobacterium <i>Synechococcus</i> sp. PCC 7002 in the absence of ApcD-dependent state transitions. <i>FEBS Letters</i> , 2012, 586, 2342-2345. | 2.8 | 17 |
| 43 | Metagenomic analysis reveals potential interactions in an artificial coculture. <i>AMB Express</i> , 2017, 7, 193. | 3.0 | 17 |
| 44 | Generalist carnivores can be effective biodiversity samplers of terrestrial vertebrates. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 557-563. | 4.0 | 16 |
| 45 | ApcD is required for state transition but not involved in blue-light induced quenching in the cyanobacterium <i>Anabaena</i> sp. PCC7120. <i>Science Bulletin</i> , 2008, 53, 3422-3424. | 9.0 | 14 |
| 46 | Microcystin-LR Degradation and Gene Regulation of Microcystin-Degrading <i>Novosphingobium</i> sp. THN1 at Different Carbon Concentrations. <i>Frontiers in Microbiology</i> , 2019, 10, 1750. | 3.5 | 14 |
| 47 | Interaction between cyanophage MaMV-DC and eight <i>Microcystis</i> strains, revealed by genetic defense systems. <i>Harmful Algae</i> , 2019, 85, 101699. | 4.8 | 14 |
| 48 | IFP35 as a promising biomarker and therapeutic target for the syndromes induced by SARS-CoV-2 or influenza virus. <i>Cell Reports</i> , 2021, 37, 110126. | 6.4 | 14 |
| 49 | Low genetic diversity in a critically endangered primate: shallow evolutionary history or recent population bottleneck?. <i>BMC Evolutionary Biology</i> , 2019, 19, 134. | 3.2 | 13 |
| 50 | FesM, a Membrane Iron-Sulfur Protein, Is Required for Cyclic Electron Flow around Photosystem I and Photoheterotrophic Growth of the Cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Plant Physiology</i> , 2005, 138, 1586-1595. | 4.8 | 11 |
| 51 | Molecular cloning and sequencing of the <i>sodB</i> gene from a heterocystous cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1491, 248-252. | 2.4 | 9 |
| 52 | Molecular cloning and sequencing of the cDNA of <i>cop1</i> gene from <i>Pisum sativum</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998, 1395, 326-328. | 2.4 | 8 |
| 53 | Bayexer: an accurate and fast Bayesian demultiplexer for Illumina sequences. <i>Bioinformatics</i> , 2015, 31, 4000-4002. | 4.1 | 8 |
| 54 | Effects of PSII Manganese-Stabilizing Protein Succinylation on Photosynthesis in the Model Cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Plant and Cell Physiology</i> , 2018, 59, 1466-1482. | 3.1 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Snow Leopard Dietary Preferences and Livestock Predation Revealed by Fecal DNA Metabarcoding: No Evidence for Apparent Competition Between Wild and Domestic Prey. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, . | 2.2 | 8 |
| 56 | The hydrophobic surface of PaAMP from pokeweed seeds is essential to its interaction with fungal membrane lipids and the antifungal activity. <i>FEBS Letters</i> , 2005, 579, 2445-2450. | 2.8 | 7 |
| 57 | Molecular cloning and expression of Pfu DNA polymerase gene and its application in long-distance PCR. <i>Science Bulletin</i> , 1998, 43, 863-867. | 1.7 | 6 |
| 58 | Structural and Functional Insights into a Lysine Deacylase in the Cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Plant Physiology</i> , 2020, 184, 762-776. | 4.8 | 6 |
| 59 | Population genetic patterns of a mangrove-associated frog reveal its colonization history and habitat connectivity. <i>Diversity and Distributions</i> , 2021, 27, 1584-1600. | 4.1 | 6 |
| 60 | Fluorescence Emission and Absorption Spectra of Single <i>Anabaena</i> sp. Strain PCC7120 Cells. <i>Photochemistry and Photobiology</i> , 2007, 76, 310-313. | 2.5 | 5 |
| 61 | Pll, the key regulator of nitrogen metabolism in the cyanobacteria. <i>Science in China Series C: Life Sciences</i> , 2008, 51, 1056-1065. | 1.3 | 5 |
| 62 | Developmental Biology of Heterocysts, 2006. , 0, , 397-418. | | 5 |
| 63 | Attachment of Ferredoxin: NADP+ Oxidoreductase to Phycobilisomes Is Required for Photoheterotrophic Growth of the Cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Microorganisms</i> , 2022, 10, 1313. | 3.6 | 4 |
| 64 | Construction of a non-antibiotic expression system in a marine cyanobacterium <i>Synechococcus</i> sp. PCC 7002 and its application in production of oral vaccine against enterotoxin of <i>Escherichia coli</i> . <i>Journal of Applied Phycology</i> , 2006, 18, 127-134. | 2.8 | 2 |
| 65 | Specific degradation of photosystem II D1 protein by a protease (Alr3815) in heterocysts of the cyanobacterium <i>Anabaena</i> sp. PCC7120. <i>Science Bulletin</i> , 2011, 56, 1068-1070. | 1.7 | 2 |