Himadri B Pakrasi

List of Publications by Year
in descending order

139 papers	8,731 citations	36303 51 h-index	49909 87 g-index
150 all docs	150 docs citations	150 times ranked	6684 citing authors

#	Article	IF	Citations
1	The IRT1 protein from Arabidopsis thaliana is a metal transporter with a broad substrate range. Plant Molecular Biology, 1999, 40, 37-44.	3.9	699
2	Proteomic Analysis of a Highly Active Photosystem II Preparation from the CyanobacteriumSynechocystissp. PCC 6803 Reveals the Presence of Novel Polypeptidesâ€. Biochemistry, 2002, 41, 8004-8012.	2.5	304
3	Synechococcus elongatus UTEX 2973, a fast growing cyanobacterial chassis for biosynthesis using light and CO2. Scientific Reports, 2015, 5, 8132.	3.3	265
4	Synthetic biology of cyanobacteria: unique challenges and opportunities. Frontiers in Microbiology, 2013, 4, 246.	3.5	243
5	Cpf1 Is A Versatile Tool for CRISPR Genome Editing Across Diverse Species of Cyanobacteria. Scientific Reports, 2016, 6, 39681.	3.3	228
6	High rates of photobiological H2 production by a cyanobacterium under aerobic conditions. Nature Communications, 2010, 1, 139.	12.8	206
7	The extrinsic proteins of Photosystem II. Photosynthesis Research, 2007, 92, 369-387.	2.9	186
8	Cyanobacteria: Promising biocatalysts for sustainable chemical production. Journal of Biological Chemistry, 2018, 293, 5044-5052.	3.4	184
9	CRISPR/Cas9 mediated targeted mutagenesis of the fast growing cyanobacterium Synechococcus elongatus UTEX 2973. Microbial Cell Factories, 2016, 15, 115.	4.0	181
10	Homologs of Plant PsbP and PsbQ Proteins Are Necessary for Regulation of Photosystem II Activity in the Cyanobacterium Synechocystis 6803[W]. Plant Cell, 2004, 16, 2164-2175.	6.6	165
11	Global transcriptomic analysis of<i>Cyanothece</i>51142 reveals robust diurnal oscillation of central metabolic processes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6156-6161.	7.1	162
12	Proteomics of Synechocystis sp. Strain PCC 6803. Molecular and Cellular Proteomics, 2002, 1, 956-966.	3.8	158
13	Metabolic Engineering of Synechocystis sp. Strain PCC 6803 for Isobutanol Production. Applied and Environmental Microbiology, 2013, 79, 908-914.	3.1	151
14	The genome of <i>Cyanothece</i> 51142, a unicellular diazotrophic cyanobacterium important in the marine nitrogen cycle. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15094-15099.	7.1	144
15	Structural Determinants of Metal Specificity in the Zinc Transport Protein ZnuA from Synechocystis 6803. Journal of Molecular Biology, 2003, 333, 1061-1069.	4.2	119
16	2D-isolation of pure plasma and thylakoid membranes from the cyanobacteriumSynechocystissp. PCC 6803. FEBS Letters, 1998, 436, 189-192.	2.8	117
17	A photobioreactor system for precision cultivation of photoautotrophic microorganisms and for highâ€content analysis of suspension dynamics. Biotechnology and Bioengineering, 2008, 100, 902-910.	3.3	117
18	Ultrastructure of the membrane systems in the unicellular cyanobacterium Synechocystis sp. strain PCC 6803. Protoplasma, 2006, 227, 129-138.	2.1	114

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19	Global Proteomics Reveal an Atypical Strategy for Carbon/Nitrogen Assimilation by a Cyanobacterium Under Diverse Environmental Perturbations. Molecular and Cellular Proteomics, 2010, 9, 2678-2689.	3.8	109
20	The Psb27 Protein Facilitates Manganese Cluster Assembly in Photosystem II. Journal of Biological Chemistry, 2008, 283, 4044-4050.	3.4	108
21	Metabolic engineering of the pentose phosphate pathway for enhanced limonene production in the cyanobacterium Synechocysti s sp. PCC 6803. Scientific Reports, 2017, 7, 17503.	3.3	108
22	Evidence that D1 Processing Is Required for Manganese Binding and Extrinsic Protein Assembly into Photosystem II. Journal of Biological Chemistry, 2004, 279, 45417-45422.	3.4	104
23	Comparative genomics reveals the molecular determinants of rapid growth of the cyanobacterium <i>Synechococcus elongatus</i> UTEX 2973. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11761-E11770.	7.1	102
24	Psb29, a Conserved 22-kD Protein, Functions in the Biogenesis of Photosystem II Complexes in Synechocystis and Arabidopsis Â. Plant Cell, 2005, 17, 2768-2781.	6.6	95
25	Essential Role of Glutathione in Acclimation to Environmental and Redox Perturbations in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. Plant Physiology, 2010, 154, 1672-1685.	4.8	94
26	Novel Metabolic Attributes of the Genus <i>Cyanothece</i> , Comprising a Group of Unicellular Nitrogen-Fixing Cyanobacteria. MBio, 2011, 2, .	4.1	93
27	Deciphering cyanobacterial phenotypes for fast photoautotrophic growth via isotopically nonstationary metabolic flux analysis. Biotechnology for Biofuels, 2017, 10, 273.	6.2	92
28	Genome Features and Biochemical Characteristics of a Robust, Fast Growing and Naturally Transformable Cyanobacterium Synechococcus elongatus PCC 11801 Isolated from India. Scientific Reports, 2018, 8, 16632.	3.3	91
29	Engineering cyanobacteria for production of terpenoids. Planta, 2019, 249, 145-154.	3.2	90
30	Organization and Flexibility of Cyanobacterial Thylakoid Membranes Examined by Neutron Scattering. Journal of Biological Chemistry, 2013, 288, 3632-3640.	3.4	89
31	Adjustments to Photosystem Stoichiometry and Electron Transfer Proteins Are Key to the Remarkably Fast Growth of the Cyanobacterium <i>Synechococcus elongatus</i> UTEX 2973. MBio, 2018, 9, .	4.1	87
32	Selective inhibition of photosystem II in spinach by tobacco mosaic virus: An effect of the viral coat protein. FEBS Letters, 1989, 245, 267-270.	2.8	85
33	The PsbQ protein defines cyanobacterial Photosystem II complexes with highest activity and stability. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2548-2553.	7.1	85
34	Diurnal Regulation of Cellular Processes in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803: Insights from Transcriptomic, Fluxomic, and Physiological Analyses. MBio, 2016, 7, .	4.1	84
35	Mixotrophic and photoheterotrophic metabolism in Cyanothece sp. ATCC 51142 under continuous light. Microbiology (United Kingdom), 2010, 156, 2566-2574.	1.8	80
36	Reconstruction and Comparison of the Metabolic Potential of Cyanobacteria Cyanothece sp. ATCC 51142 and Synechocystis sp. PCC 6803. PLoS ONE, 2012, 7, e48285.	2.5	79

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37	Exploring native genetic elements as plug-in tools for synthetic biology in the cyanobacterium Synechocystis sp. PCC 6803. Microbial Cell Factories, 2018, 17, 48.	4.0	78
38	A Two-component Signal Transduction Pathway Regulates Manganese Homeostasis in Synechocystis 6803, a Photosynthetic Organism. Journal of Biological Chemistry, 2002, 277, 28981-28986.	3.4	75
39	Psb27, a transiently associated protein, binds to the chlorophyll binding protein CP43 in photosystem II assembly intermediates. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18536-18541.	7.1	75
40	Proteome-wide Light/Dark Modulation of Thiol Oxidation in Cyanobacteria Revealed by Quantitative Site-specific Redox Proteomics. Molecular and Cellular Proteomics, 2014, 13, 3270-3285.	3.8	75
41	Fine-Tuning of Photoautotrophic Protein Production by Combining Promoters and Neutral Sites in the Cyanobacterium Synechocystis sp. Strain PCC 6803. Applied and Environmental Microbiology, 2015, 81, 6857-6863.	3.1	71
42	Enhanced production of sucrose in the fast-growing cyanobacterium Synechococcus elongatus UTEX 2973. Scientific Reports, 2020, 10, 390.	3.3	71
43	Unique Thylakoid Membrane Architecture of a Unicellular N2-Fixing Cyanobacterium Revealed by Electron Tomography Â Â. Plant Physiology, 2011, 155, 1656-1666.	4.8	70
44	phrA, the major photoreactivating factor in the cyanobacterium Synechocystis sp. strain PCC 6803 codes for a cyclobutane-pyrimidine-dimer-specific DNA photolyase. Archives of Microbiology, 2000, 173, 412-417.	2.2	66
45	Recent advances in synthetic biology of cyanobacteria. Applied Microbiology and Biotechnology, 2018, 102, 5457-5471.	3.6	66
46	Photosynthetic Pigment Localization and Thylakoid Membrane Morphology Are Altered in <i>Synechocystis</i> 6803 Phycobilisome Mutants Â Â. Plant Physiology, 2012, 158, 1600-1609.	4.8	65
47	Integrative analysis of large scale expression profiles reveals core transcriptional response and coordination between multiple cellular processes in a cyanobacterium. BMC Systems Biology, 2010, 4, 105.	3.0	63
48	Reduction of Photoautotrophic Productivity in the Cyanobacterium Synechocystis sp. Strain PCC 6803 by Phycobilisome Antenna Truncation. Applied and Environmental Microbiology, 2012, 78, 6349-6351.	3.1	57
49	Genome-Scale Fluxome of <i>Synechococcus elongatus</i> UTEX 2973 Using Transient ¹³C-Labeling Data. Plant Physiology, 2019, 179, 761-769.	4.8	57
50	Identifying the Metabolic Differences of a Fast-Growth Phenotype in Synechococcus UTEX 2973. Scientific Reports, 2017, 7, 41569.	3.3	56
51	A Novel Cyanobacterium Synechococcus elongatus PCC 11802 has Distinct Genomic and Metabolomic Characteristics Compared to its Neighbor PCC 11801. Scientific Reports, 2020, 10, 191.	3.3	54
52	PsbU Provides a Stable Architecture for the Oxygen-Evolving System in Cyanobacterial Photosystem II. Biochemistry, 2005, 44, 12214-12228.	2.5	52
53	Alternative isoleucine synthesis pathway in cyanobacterial species. Microbiology (United Kingdom), 2010, 156, 596-602.	1.8	52
54	Variations in the Rhythms of Respiration and Nitrogen Fixation in Members of the Unicellular Diazotrophic Cyanobacterial Genus <i>Cyanothece</i> Â Â Â. Plant Physiology, 2013, 161, 1334-1346.	4.8	52

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55	Elucidation of photoautotrophic carbon flux topology in Synechocystis PCC 6803 using genome-scale carbon mapping models. Metabolic Engineering, 2018, 47, 190-199.	7.0	52
56	Targeted Deletion Mutagenesis of the Î² Subunit of Cytochrome b559 Protein Destabilizes the Reaction Center of Photosystem II. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1990, 45, 423-429.	1.4	51
57	Diurnal Rhythms Result in Significant Changes in the Cellular Protein Complement in the Cyanobacterium Cyanothece 51142. PLoS ONE, 2011, 6, e16680.	2.5	51
58	MS-based cross-linking analysis reveals the location of the PsbQ protein in cyanobacterial photosystem II. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4638-4643.	7.1	51
59	The Structure of the Iron-binding Protein, FutA1, from Synechocystis 6803. Journal of Biological Chemistry, 2007, 282, 27468-27477.	3.4	50
60	A Genetically Tagged Psb27 Protein Allows Purification of Two Consecutive Photosystem II (PSII) Assembly Intermediates in Synechocystis 6803, a Cyanobacterium. Journal of Biological Chemistry, 2011, 286, 24865-24871.	3.4	49
61	Cyanobacterial Alkanes Modulate Photosynthetic Cyclic Electron Flow to Assist Growth under Cold Stress. Scientific Reports, 2015, 5, 14894.	3.3	49
62	Enhanced limonene production in a fast-growing cyanobacterium through combinatorial metabolic engineering. Metabolic Engineering Communications, 2021, 12, e00164.	3.6	47
63	The Carboxyl-Terminal Extension of the Precursor D1 Protein of Photosystem II Is Required for Optimal Photosynthetic Performance of the Cyanobacterium Synechocystis sp. PCC 6803. Plant Physiology, 2000, 124, 1403-1412.	4.8	45
64	Low-Molecular-Mass Polypeptide Components of a Photosystem II Preparation from the Thermophilic Cyanobacterium Thermosynechococcus vulcanus. Plant and Cell Physiology, 2002, 43, 1366-1373.	3.1	45
65	Engineering Nitrogen Fixation Activity in an Oxygenic Phototroph. MBio, 2018, 9, .	4.1	44
66	Mass Spectrometry-based Footprinting Reveals Structural Dynamics of Loop E of the Chlorophyll-binding Protein CP43 during Photosystem II Assembly in the Cyanobacterium Synechocystis 6803. Journal of Biological Chemistry, 2013, 288, 14212-14220.	3.4	43
67	Revealing the Dynamics of Thylakoid Membranes in Living Cyanobacterial Cells. Scientific Reports, 2016, 6, 19627.	3.3	43
68	Mass spectrometry-based cross-linking study shows that the Psb28 protein binds to cytochrome <i>b</i> ₅₅₉ in Photosystem II. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2224-2229.	7.1	42
69	Mutational Analysis of the PsbL Protein of Photosystem II in the Cyanobacterium Synechocystis sp. PCC 6803. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1993, 48, 267-274.	1.4	40
70	Molecular Identification of a Novel Protein That Regulates Biogenesis of Photosystem I, a Membrane Protein Complex. Journal of Biological Chemistry, 1997, 272, 6382-6387.	3.4	40
71	Photochemical Competence of Assembled Photosystem II Core Complex in Cyanobacterial Plasma Membrane. Journal of Biological Chemistry, 2005, 280, 6548-6553.	3.4	40
72	Absence of the PsbQ Protein Results in Destabilization of the PsbV Protein and Decreased Oxygen Evolution Activity in Cyanobacterial Photosystem II. Journal of Biological Chemistry, 2006, 281, 20834-20841.	3.4	40

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73	High Sensitivity Proteomics Assisted Discovery of a Novel Operon Involved in the Assembly of Photosystem II, a Membrane Protein Complex. Journal of Biological Chemistry, 2008, 283, 27829-27837.	3.4	39
74	What's in a name? The case of cyanobacteria. Journal of Phycology, 2020, 56, 1-5.	2.3	39
75	Tunable Repression of Key Photosynthetic Processes Using Cas12a CRISPR Interference in the Fast-Growing Cyanobacterium <i>Synechococcus</i> sp. UTEX 2973. ACS Synthetic Biology, 2020, 9, 132-143.	3.8	39
76	Identities of four low-molecular-mass subunits of the photosystem I complex fromAnabaena variabilisATCC 29413. FEBS Letters, 1991, 287, 5-9.	2.8	37
77	Global Proteomic Analysis Reveals an Exclusive Role of Thylakoid Membranes in Bioenergetics of a Model Cyanobacterium. Molecular and Cellular Proteomics, 2016, 15, 2021-2032.	3.8	37
78	The D1 protein of the photosystem II reaction-centre complex accumulates in the absence of D2: analysis of a mutant of the cyanobacterium Synechocystis sp. PCC 6803 lacking cytochrome d559. Molecular Microbiology, 1992, 6, 947-956.	2.5	35
79	Metabolic model guided strain design of cyanobacteria. Current Opinion in Biotechnology, 2020, 64, 17-23.	6.6	35
80	Photosynthetic Co-production of Succinate and Ethylene in a Fast-Growing Cyanobacterium, Synechococcus elongatus PCC 11801. Metabolites, 2020, 10, 250.	2.9	35
81	Probing the origins of glutathione biosynthesis through biochemical analysis of glutamate-cysteine ligase and glutathione synthetase from a model photosynthetic prokaryote. Biochemical Journal, 2013, 450, 63-72.	3.7	34
82	A novel chlorophyll protein complex in the repair cycle of photosystem II. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21907-21913.	7.1	34
83	The proteolysis adaptor, NblA, binds to the N-terminus of Î²-phycocyanin: Implications for the mechanism of phycobilisome degradation. Photosynthesis Research, 2017, 132, 95-106.	2.9	31
84	Reactive oxygen species leave a damage trail that reveals water channels in Photosystem II. Science Advances, 2017, 3, eaao3013.	10.3	31
85	Genomics Approaches to Deciphering Natural Transformation in Cyanobacteria. Frontiers in Microbiology, 2019, 10, 1259.	3.5	31
86	Phycobilisomes Harbor FNR _L in Cyanobacteria. MBio, 2019, 10, .	4.1	31
87	Enhanced Nitrogen Fixation in a <i>glgX</i> -Deficient Strain of <i>Cyanothece</i> sp. Strain ATCC 51142, a Unicellular Nitrogen-Fixing Cyanobacterium. Applied and Environmental Microbiology, 2019, 85, .	3.1	31
88	The BtpA Protein Stabilizes the Reaction Center Proteins of Photosystem I in the Cyanobacterium Synechocystis sp. PCC 6803 at Low Temperature. Plant Physiology, 2000, 123, 215-222.	4.8	30
89	Use of Degradation Tags To Control Protein Levels in the Cyanobacterium Synechocystis sp. Strain PCC 6803. Applied and Environmental Microbiology, 2013, 79, 2833-2835.	3.1	30
90	Subcellular localization of the BtpA protein in the cyanobacterium Synechocystis sp. PCC 6803. FEBS Journal, 1999, 261, 311-316.	0.2	29

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91	Probing the consequences of antenna modification in cyanobacteria. Photosynthesis Research, 2013, 118, 17-24.	2.9	29
92	An Atypical psbA Gene Encodes a Sentinel D1 Protein to Form a Physiologically Relevant Inactive Photosystem II Complex in Cyanobacteria. Journal of Biological Chemistry, 2015, 290, 3764-3774.	3.4	29
93	Rapid construction of metabolic models for a family of Cyanobacteria using a multiple source annotation workflow. BMC Systems Biology, 2013, 7, 142.	3.0	28
94	Engineered Production of Hapalindole Alkaloids in the Cyanobacterium <i>Synechococcus</i> sp. UTEX 2973. ACS Synthetic Biology, 2019, 8, 1941-1951.	3.8	28
95	Upregulation of Plasmid Genes during Stationary Phase in Synechocystis sp. Strain PCC 6803, a Cyanobacterium. Applied and Environmental Microbiology, 2012, 78, 5448-5451.	3.1	27
96	A diurnal flux balance model of Synechocystis sp. PCC 6803 metabolism. PLoS Computational Biology, 2019, 15, e1006692.	3.2	27
97	Reevaluating the mechanism of excitation energy regulation in iron-starved cyanobacteria. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 249-258.	1.0	26
98	Diverse hydrocarbon biosynthetic enzymes can substitute for olefin synthase in the cyanobacterium Synechococcus sp. PCC 7002. Scientific Reports, 2019, 9, 1360.	3.3	25
99	A Reversibly Induced CRISPRi System Targeting Photosystem II in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. ACS Synthetic Biology, 2020, 9, 1441-1449.	3.8	25
100	Functionally distinct NAD(P)H dehydrogenases and their membrane localization in Synechocystis sp. PCC6803. Functional Plant Biology, 2002, 29, 195.	2.1	25
101	Phycobilisome truncation causes widespread proteome changes in Synechocystis sp. PCC 6803. PLoS ONE, 2017, 12, e0173251.	2.5	24
102	Physcomitrella patens and Ceratodon purpureus, mosses as model organisms in photosynthesis studies. Photosynthesis Research, 2005, 83, 87-96.	2.9	23
103	The Psb32 Protein Aids in Repairing Photodamaged Photosystem II in the Cyanobacterium Synechocystis 6803. Molecular Plant, 2011, 4, 1052-1061.	8.3	23
104	Insights into the complex 3-D architecture of thylakoid membranes in unicellular cyanobacterium <i>Cyanothece</i> sp. ATCC 51142. Plant Signaling and Behavior, 2011, 6, 566-569.	2.4	22
105	Engineering biology approaches for food and nutrient production by cyanobacteria. Current Opinion in Biotechnology, 2021, 67, 1-6.	6.6	21
106	Targeted interruption of the psaA and psaB genes encoding the reaction-centre proteins of photosystem I in the filamentous cyanobacterium Anabaena variabilis ATCC 29413. Molecular Microbiology, 1993, 9, 979-988.	2.5	20
107	Identifying Regulatory Changes to Facilitate Nitrogen Fixation in the Nondiazotroph <i>Synechocystis</i> sp. PCC 6803. ACS Synthetic Biology, 2016, 5, 250-258.	3.8	20
108	Population-level coordination of pigment response in individual cyanobacterial cells under altered nitrogen levels. Photosynthesis Research, 2017, 134, 165-174.	2.9	20

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109	Structure of cyanobacterial phycobilisome core revealed by structural modeling and chemical cross-linking. Science Advances, 2021, 7, .	10.3	20
110	Transport of CtpA Protein from the Cyanobacterium Synechocystis 6803 Across the Thylakoid Membrane in Chloroplasts. FEBS Journal, 1997, 249, 497-504.	0.2	17
111	Preparation of membrane proteins for analysis by two-dimensional gel electrophoresis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 849, 282-292.	2.3	17
112	Glutathione in Synechocystis 6803. Plant Signaling and Behavior, 2011, 6, 89-92.	2.4	17
113	Cytochrome cM from Synechocystisâ€ƒ6803. FEBS Journal, 2000, 267, 1068-1074.	0.2	15
114	The Use of Advanced Mass Spectrometry to Dissect the Life-Cycle of Photosystem II. Frontiers in Plant Science, 2016, 7, 617.	3.6	15
115	Membrane Topology of MntB, the Transmembrane Protein Component of an ABC Transporter System for Manganese in the Cyanobacterium Synechocystis sp. Strain PCC 6803. Journal of Bacteriology, 1999, 181, 3591-3593.	2.2	15
116	Engineering Natural Competence into the Fast-Growing Cyanobacterium <i>Synechococcus elongatus</i> Strain UTEX 2973. Applied and Environmental Microbiology, 2022, 88, AEM0188221.	3.1	15
117	Advances in the Understanding of the Lifecycle of Photosystem II. Microorganisms, 2022, 10, 836.	3.6	15
118	Proteomic Insights into Phycobilisome Degradation, A Selective and Tightly Controlled Process in The Fast-Growing Cyanobacterium Synechococcus elongatus UTEX 2973. Biomolecules, 2019, 9, 374.	4.0	13
119	Carbon Availability Affects Diurnally Controlled Processes and Cell Morphology of Cyanothece 51142. PLoS ONE, 2013, 8, e56887.	2.5	13
120	Consequences of Decreased Light Harvesting Capability on Photosystem II Function in Synechocystis sp. PCC 6803. Life, 2014, 4, 903-914.	2.4	11
121	A Novel Redoxin in the Thylakoid Membrane Regulates the Titer of Photosystem I. Journal of Biological Chemistry, 2016, 291, 18689-18699.	3.4	11
122	Emerging platforms for co-utilization of one-carbon substrates by photosynthetic organisms. Current Opinion in Biotechnology, 2018, 53, 201-208.	6.6	11
123	Presence of an N-terminal presequence in the PsaI protein of the Photosystem I complex in the filamentous cyanobacterium Anabaena variabilis ATCC 29413. Plant Molecular Biology, 1992, 20, 987-990.	3.9	10
124	Influence of Chemically Disrupted Photosynthesis on Cyanobacterial Thylakoid Dynamics in Synechocystis sp. PCC 6803. Scientific Reports, 2019, 9, 5711.	3.3	10
125	Elucidation of trophic interactions in an unusual single-cell nitrogen-fixing symbiosis using metabolic modeling. PLoS Computational Biology, 2021, 17, e1008983.	3.2	9
126	Multiple copies of the PsbQ protein in a cyanobacterial photosystem II assembly intermediate complex. Photosynthesis Research, 2015, 126, 375-383.	2.9	8

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127	A Novel Mode of Photoprotection Mediated by a Cysteine Residue in the Chlorophyll Protein IsiA. MBio, 2021, 12, .	4.1	8
128	Psb27, a photosystem II assembly protein, enables quenching of excess light energy during its participation in the PSII lifecycle. Photosynthesis Research, 2022, 152, 297-304.	2.9	6
129	S4 Protein Sll1252 Is Necessary for Energy Balancing in Photosynthetic Electron Transport in <i>Synechocystis</i> sp. PCC 6803. Biochemistry, 2011, 50, 329-339.	2.5	5
130	Examination of Photosystem II in Heterocysts of the Cyanobacterium Nostoc sp. ATCC 29150. , 1990, , 291-294.		5
131	A Genome-Scale Metabolic Model of Anabaena 33047 to Guide Genetic Modifications to Overproduce Nylon Monomers. Metabolites, 2021, 11, 168.	2.9	4
132	Antenna Modification Leads to Enhanced Nitrogenase Activity in a High Light-Tolerant Cyanobacterium. MBio, 2021, 12, e0340821.	4.1	4
133	A Ubiquitously Conserved Cyanobacterial Protein Phosphatase Essential for High Light Tolerance in a Fast-Growing Cyanobacterium. Microbiology Spectrum, 2022, 10, .	3.0	4
134	Reply to Zhou and Li: Plasticity of the genomic haplotype ofSynechococcus elongatusleads to rapid strain adaptation under laboratory conditions. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3946-3947.	7.1	3
135	Introduction of cysteine-mediated quenching in the CP43 protein of photosystem II builds resilience to high-light stress in a cyanobacterium. Biochimica Et Biophysica Acta - Bioenergetics, 2022, 1863, 148580.	1.0	3
136	Controlling diurnal rhythms by light. , 2008, , .		1
137	Modeling diurnal rhythms with an array of phase dynamic oscillators. , 2008, , .		0
138	Bayesian network approach to understand regulation of biological processes in cyanobacteria. , 2009, , .		0
139	High Resolution Electron and Ion Microscopy of Photosynthetic Complexes. Microscopy and Microanalysis, 2014, 20, 1186-1187.	0.4	0