

Himadri B Pakrasi

List of Publications by Year in descending order

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139
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citations

36303

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docs citations

150
times ranked

6684
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Advances in the Understanding of the Lifecycle of Photosystem II. Microorganisms, 2022, 10, 836.	3.6	15
4	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
5	A Ubiquitously Conserved Cyanobacterial Protein Phosphatase Essential for High Light Tolerance in a Fast-Growing Cyanobacterium. Microbiology Spectrum, 2022, 10, .	3.0	4
6	Engineering biology approaches for food and nutrient production by cyanobacteria. Current Opinion in Biotechnology, 2021, 67, 1-6.	6.6	21
7	Structure of cyanobacterial phycobilisome core revealed by structural modeling and chemical cross-linking. Science Advances, 2021, 7, .	10.3	20
8	A Novel Mode of Photoprotection Mediated by a Cysteine Residue in the Chlorophyll Protein IsiA. Mbio, 2021, 12, .	4.1	8
9	A Genome-Scale Metabolic Model of Anabaena 33047 to Guide Genetic Modifications to Overproduce Nylon Monomers. Metabolites, 2021, 11, 168.	2.9	4
10	Elucidation of trophic interactions in an unusual single-cell nitrogen-fixing symbiosis using metabolic modeling. PLoS Computational Biology, 2021, 17, e1008983.	3.2	9
11	Enhanced limonene production in a fast-growing cyanobacterium through combinatorial metabolic engineering. Metabolic Engineering Communications, 2021, 12, e00164.	3.6	47
12	Antenna Modification Leads to Enhanced Nitrogenase Activity in a High Light-Tolerant Cyanobacterium. Mbio, 2021, 12, e0340821.	4.1	4
13	Metabolic model guided strain design of cyanobacteria. Current Opinion in Biotechnology, 2020, 64, 17-23.	6.6	35
14	What's in a name? The case of cyanobacteria. Journal of Phycology, 2020, 56, 1-5.	2.3	39
15	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
16	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
17	Photosynthetic Co-production of Succinate and Ethylene in a Fast-Growing Cyanobacterium, <i>Synechococcus elongatus</i> PCC 11801. Metabolites, 2020, 10, 250.	2.9	35
18	A Novel Cyanobacterium <i>Synechococcus elongatus</i> PCC 11802 has Distinct Genomic and Metabolomic Characteristics Compared to its Neighbor PCC 11801. Scientific Reports, 2020, 10, 191.	3.3	54

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19	Enhanced production of sucrose in the fast-growing cyanobacterium <i>Synechococcus elongatus</i> UTEX 2973. <i>Scientific Reports</i> , 2020, 10, 390.	3.3	71
20	Proteomic Insights into Phycobilisome Degradation, A Selective and Tightly Controlled Process in The Fast-Growing Cyanobacterium <i>Synechococcus elongatus</i> UTEX 2973. <i>Biomolecules</i> , 2019, 9, 374.	4.0	13
21	Engineered Production of Hapalindole Alkaloids in the Cyanobacterium <i>Synechococcus</i> sp. UTEX 2973. <i>ACS Synthetic Biology</i> , 2019, 8, 1941-1951.	3.8	28
22	A novel chlorophyll protein complex in the repair cycle of photosystem II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21907-21913.	7.1	34
23	A diurnal flux balance model of <i>Synechocystis</i> sp. PCC 6803 metabolism. <i>PLoS Computational Biology</i> , 2019, 15, e1006692.	3.2	27
24	Genomics Approaches to Deciphering Natural Transformation in Cyanobacteria. <i>Frontiers in Microbiology</i> , 2019, 10, 1259.	3.5	31
25	Influence of Chemically Disrupted Photosynthesis on Cyanobacterial Thylakoid Dynamics in <i>Synechocystis</i> sp. PCC 6803. <i>Scientific Reports</i> , 2019, 9, 5711.	3.3	10
26	Phycobilisomes Harbor FNR in Cyanobacteria. <i>MBio</i> , 2019, 10, .	4.1	31
27	Reply to Zhou and Li: Plasticity of the genomic haplotype of <i>Synechococcus elongatus</i> leads to rapid strain adaptation under laboratory conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3946-3947.	7.1	3
28	Enhanced Nitrogen Fixation in a <i>glgX</i> -Deficient Strain of <i>Cyanothece</i> sp. Strain ATCC 51142, a Unicellular Nitrogen-Fixing Cyanobacterium. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	31
29	Diverse hydrocarbon biosynthetic enzymes can substitute for olefin synthase in the cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Scientific Reports</i> , 2019, 9, 1360.	3.3	25
30	Genome-Scale Fluxome of <i>Synechococcus elongatus</i> UTEX 2973 Using Transient ¹³ C-Labeling Data. <i>Plant Physiology</i> , 2019, 179, 761-769.	4.8	57
31	Engineering cyanobacteria for production of terpenoids. <i>Planta</i> , 2019, 249, 145-154.	3.2	90
32	Emerging platforms for co-utilization of one-carbon substrates by photosynthetic organisms. <i>Current Opinion in Biotechnology</i> , 2018, 53, 201-208.	6.6	11
33	Elucidation of photoautotrophic carbon flux topology in <i>Synechocystis</i> PCC 6803 using genome-scale carbon mapping models. <i>Metabolic Engineering</i> , 2018, 47, 190-199.	7.0	52
34	Adjustments to Photosystem Stoichiometry and Electron Transfer Proteins Are Key to the Remarkably Fast Growth of the Cyanobacterium <i>Synechococcus elongatus</i> UTEX 2973. <i>MBio</i> , 2018, 9, .	4.1	87
35	Cyanobacteria: Promising biocatalysts for sustainable chemical production. <i>Journal of Biological Chemistry</i> , 2018, 293, 5044-5052.	3.4	184
36	Genome Features and Biochemical Characteristics of a Robust, Fast Growing and Naturally Transformable Cyanobacterium <i>Synechococcus elongatus</i> PCC 11801 Isolated from India. <i>Scientific Reports</i> , 2018, 8, 16632.	3.3	91

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37	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
38	Exploring native genetic elements as plug-in tools for synthetic biology in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. Microbial Cell Factories, 2018, 17, 48.	4.0	78
39	Recent advances in synthetic biology of cyanobacteria. Applied Microbiology and Biotechnology, 2018, 102, 5457-5471.	3.6	66
40	Engineering Nitrogen Fixation Activity in an Oxygenic Phototroph. MBio, 2018, 9, .	4.1	44
41	The proteolysis adaptor, NblA, binds to the N-terminus of $\hat{\text{P}}^2$ -phycocyanin: Implications for the mechanism of phycobilisome degradation. Photosynthesis Research, 2017, 132, 95-106.	2.9	31
42	Reevaluating the mechanism of excitation energy regulation in iron-starved cyanobacteria. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 249-258.	1.0	26
43	Identifying the Metabolic Differences of a Fast-Growth Phenotype in <i>Synechococcus</i> UTEX 2973. Scientific Reports, 2017, 7, 41569.	3.3	56
44	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
45	Population-level coordination of pigment response in individual cyanobacterial cells under altered nitrogen levels. Photosynthesis Research, 2017, 134, 165-174.	2.9	20
46	Metabolic engineering of the pentose phosphate pathway for enhanced limonene production in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. Scientific Reports, 2017, 7, 17503.	3.3	108
47	Reactive oxygen species leave a damage trail that reveals water channels in Photosystem II. Science Advances, 2017, 3, eaao3013.	10.3	31
48	Deciphering cyanobacterial phenotypes for fast photoautotrophic growth via isotopically nonstationary metabolic flux analysis. Biotechnology for Biofuels, 2017, 10, 273.	6.2	92
49	Phycobilisome truncation causes widespread proteome changes in <i>Synechocystis</i> sp. PCC 6803. PLoS ONE, 2017, 12, e0173251.	2.5	24
50	The Use of Advanced Mass Spectrometry to Dissect the Life-Cycle of Photosystem II. Frontiers in Plant Science, 2016, 7, 617.	3.6	15
51	Cpf1 Is A Versatile Tool for CRISPR Genome Editing Across Diverse Species of Cyanobacteria. Scientific Reports, 2016, 6, 39681.	3.3	228
52	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
53	A Novel Redoxin in the Thylakoid Membrane Regulates the Titer of Photosystem I. Journal of Biological Chemistry, 2016, 291, 18689-18699.	3.4	11
54	Revealing the Dynamics of Thylakoid Membranes in Living Cyanobacterial Cells. Scientific Reports, 2016, 6, 19627.	3.3	43

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55	CRISPR/Cas9 mediated targeted mutagenesis of the fast growing cyanobacterium <i>Synechococcus elongatus</i> UTEX 2973. <i>Microbial Cell Factories</i> , 2016, 15, 115.	4.0	181
56	Global Proteomic Analysis Reveals an Exclusive Role of Thylakoid Membranes in Bioenergetics of a Model Cyanobacterium. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2021-2032.	3.8	37
57	Identifying Regulatory Changes to Facilitate Nitrogen Fixation in the Nondiazotroph <i>Synechocystis</i> sp. PCC 6803. <i>ACS Synthetic Biology</i> , 2016, 5, 250-258.	3.8	20
58	Cyanobacterial Alkanes Modulate Photosynthetic Cyclic Electron Flow to Assist Growth under Cold Stress. <i>Scientific Reports</i> , 2015, 5, 14894.	3.3	49
59	An Atypical <i>psbA</i> Gene Encodes a Sentinel D1 Protein to Form a Physiologically Relevant Inactive Photosystem II Complex in Cyanobacteria. <i>Journal of Biological Chemistry</i> , 2015, 290, 3764-3774.	3.4	29
60	Fine-Tuning of Photoautotrophic Protein Production by Combining Promoters and Neutral Sites in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6857-6863.	3.1	71
61	Multiple copies of the <i>PsbQ</i> protein in a cyanobacterial photosystem II assembly intermediate complex. <i>Photosynthesis Research</i> , 2015, 126, 375-383.	2.9	8
62	<i>Synechococcus elongatus</i> UTEX 2973, a fast growing cyanobacterial chassis for biosynthesis using light and CO ₂ . <i>Scientific Reports</i> , 2015, 5, 8132.	3.3	265
63	Proteome-wide Light/Dark Modulation of Thiol Oxidation in Cyanobacteria Revealed by Quantitative Site-specific Redox Proteomics. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 3270-3285.	3.8	75
64	Consequences of Decreased Light Harvesting Capability on Photosystem II Function in <i>Synechocystis</i> sp. PCC 6803. <i>Life</i> , 2014, 4, 903-914.	2.4	11
65	MS-based cross-linking analysis reveals the location of the <i>PsbQ</i> protein in cyanobacterial photosystem II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4638-4643.	7.1	51
66	High Resolution Electron and Ion Microscopy of Photosynthetic Complexes. <i>Microscopy and Microanalysis</i> , 2014, 20, 1186-1187.	0.4	0
67	Probing the consequences of antenna modification in cyanobacteria. <i>Photosynthesis Research</i> , 2013, 118, 17-24.	2.9	29
68	Rapid construction of metabolic models for a family of Cyanobacteria using a multiple source annotation workflow. <i>BMC Systems Biology</i> , 2013, 7, 142.	3.0	28
69	Organization and Flexibility of Cyanobacterial Thylakoid Membranes Examined by Neutron Scattering. <i>Journal of Biological Chemistry</i> , 2013, 288, 3632-3640.	3.4	89
70	Probing the origins of glutathione biosynthesis through biochemical analysis of glutamate-cysteine ligase and glutathione synthetase from a model photosynthetic prokaryote. <i>Biochemical Journal</i> , 2013, 450, 63-72.	3.7	34
71	Metabolic Engineering of <i>Synechocystis</i> sp. Strain PCC 6803 for Isobutanol Production. <i>Applied and Environmental Microbiology</i> , 2013, 79, 908-914.	3.1	151
72	Mass Spectrometry-based Footprinting Reveals Structural Dynamics of Loop E of the Chlorophyll-binding Protein CP43 during Photosystem II Assembly in the Cyanobacterium <i>Synechocystis</i> 6803. <i>Journal of Biological Chemistry</i> , 2013, 288, 14212-14220.	3.4	43

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73	Use of Degradation Tags To Control Protein Levels in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2833-2835.	3.1	30
74	Variations in the Rhythms of Respiration and Nitrogen Fixation in Members of the Unicellular Diazotrophic Cyanobacterial Genus <i>Cyanothece</i> . <i>Plant Physiology</i> , 2013, 161, 1334-1346.	4.8	52
75	Synthetic biology of cyanobacteria: unique challenges and opportunities. <i>Frontiers in Microbiology</i> , 2013, 4, 246.	3.5	243
76	Carbon Availability Affects Diurnally Controlled Processes and Cell Morphology of <i>Cyanothece</i> 51142. <i>PLoS ONE</i> , 2013, 8, e56887.	2.5	13
77	Photosynthetic Pigment Localization and Thylakoid Membrane Morphology Are Altered in <i>Synechocystis</i> 6803 Phycobilisome Mutants. <i>Plant Physiology</i> , 2012, 158, 1600-1609.	4.8	65
78	Reduction of Photoautotrophic Productivity in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803 by Phycobilisome Antenna Truncation. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6349-6351.	3.1	57
79	Reconstruction and Comparison of the Metabolic Potential of Cyanobacteria <i>Cyanothece</i> sp. ATCC 51142 and <i>Synechocystis</i> sp. PCC 6803. <i>PLoS ONE</i> , 2012, 7, e48285.	2.5	79
80	Upregulation of Plasmid Genes during Stationary Phase in <i>Synechocystis</i> sp. Strain PCC 6803, a Cyanobacterium. <i>Applied and Environmental Microbiology</i> , 2012, 78, 5448-5451.	3.1	27
81	S4 Protein Sll1252 Is Necessary for Energy Balancing in Photosynthetic Electron Transport in <i>Synechocystis</i> sp. PCC 6803. <i>Biochemistry</i> , 2011, 50, 329-339.	2.5	5
82	Diurnal Rhythms Result in Significant Changes in the Cellular Protein Complement in the Cyanobacterium <i>Cyanothece</i> 51142. <i>PLoS ONE</i> , 2011, 6, e16680.	2.5	51
83	Unique Thylakoid Membrane Architecture of a Unicellular N ₂ -Fixing Cyanobacterium Revealed by Electron Tomography. <i>Plant Physiology</i> , 2011, 155, 1656-1666.	4.8	70
84	Novel Metabolic Attributes of the Genus <i>Cyanothece</i> , Comprising a Group of Unicellular Nitrogen-Fixing Cyanobacteria. <i>MBio</i> , 2011, 2, .	4.1	93
85	Insights into the complex 3-D architecture of thylakoid membranes in unicellular cyanobacterium <i>Cyanothece</i> sp. ATCC 51142. <i>Plant Signaling and Behavior</i> , 2011, 6, 566-569.	2.4	22
86	Glutathione in <i>Synechocystis</i> 6803. <i>Plant Signaling and Behavior</i> , 2011, 6, 89-92.	2.4	17
87	The Psb32 Protein Aids in Repairing Photodamaged Photosystem II in the Cyanobacterium <i>Synechocystis</i> 6803. <i>Molecular Plant</i> , 2011, 4, 1052-1061.	8.3	23
88	Psb27, a transiently associated protein, binds to the chlorophyll binding protein CP43 in photosystem II assembly intermediates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18536-18541.	7.1	75
89	A Genetically Tagged Psb27 Protein Allows Purification of Two Consecutive Photosystem II (PSII) Assembly Intermediates in <i>Synechocystis</i> 6803, a Cyanobacterium. <i>Journal of Biological Chemistry</i> , 2011, 286, 24865-24871.	3.4	49
90	Alternative isoleucine synthesis pathway in cyanobacterial species. <i>Microbiology (United Kingdom)</i> , 2010, 156, 596-602.	1.8	52

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91	Mixotrophic and photoheterotrophic metabolism in <i>Cyanothece</i> sp. ATCC 51142 under continuous light. <i>Microbiology (United Kingdom)</i> , 2010, 156, 2566-2574.	1.8	80
92	Global Proteomics Reveal an Atypical Strategy for Carbon/Nitrogen Assimilation by a Cyanobacterium Under Diverse Environmental Perturbations. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 2678-2689.	3.8	109
93	Essential Role of Glutathione in Acclimation to Environmental and Redox Perturbations in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant Physiology</i> , 2010, 154, 1672-1685.	4.8	94
94	High rates of photobiological H ₂ production by a cyanobacterium under aerobic conditions. <i>Nature Communications</i> , 2010, 1, 139.	12.8	206
95	Integrative analysis of large scale expression profiles reveals core transcriptional response and coordination between multiple cellular processes in a cyanobacterium. <i>BMC Systems Biology</i> , 2010, 4, 105.	3.0	63
96	Bayesian network approach to understand regulation of biological processes in cyanobacteria. , 2009, , .		0
97	A photobioreactor system for precision cultivation of photoautotrophic microorganisms and for high content analysis of suspension dynamics. <i>Biotechnology and Bioengineering</i> , 2008, 100, 902-910.	3.3	117
98	Modeling diurnal rhythms with an array of phase dynamic oscillators. , 2008, , .		0
99	High Sensitivity Proteomics Assisted Discovery of a Novel Operon Involved in the Assembly of Photosystem II, a Membrane Protein Complex. <i>Journal of Biological Chemistry</i> , 2008, 283, 27829-27837.	3.4	39
100	The genome of <i>Cyanothece</i> 51142, a unicellular diazotrophic cyanobacterium important in the marine nitrogen cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15094-15099.	7.1	144
101	The Psb27 Protein Facilitates Manganese Cluster Assembly in Photosystem II. <i>Journal of Biological Chemistry</i> , 2008, 283, 4044-4050.	3.4	108
102	Global transcriptomic analysis of <i>Cyanothece</i> 51142 reveals robust diurnal oscillation of central metabolic processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6156-6161.	7.1	162
103	Controlling diurnal rhythms by light. , 2008, , .		1
104	The Structure of the Iron-binding Protein, FutA1, from <i>Synechocystis</i> 6803. <i>Journal of Biological Chemistry</i> , 2007, 282, 27468-27477.	3.4	50
105	The PsbQ protein defines cyanobacterial Photosystem II complexes with highest activity and stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2548-2553.	7.1	85
106	Preparation of membrane proteins for analysis by two-dimensional gel electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 849, 282-292.	2.3	17
107	The extrinsic proteins of Photosystem II. <i>Photosynthesis Research</i> , 2007, 92, 369-387.	2.9	186
108	Ultrastructure of the membrane systems in the unicellular cyanobacterium <i>Synechocystis</i> sp. strain PCC 6803. <i>Protoplasma</i> , 2006, 227, 129-138.	2.1	114

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109	Absence of the PsbQ Protein Results in Destabilization of the PsbV Protein and Decreased Oxygen Evolution Activity in Cyanobacterial Photosystem II. <i>Journal of Biological Chemistry</i> , 2006, 281, 20834-20841.	3.4	40
110	<i>Physcomitrella patens</i> and <i>Ceratodon purpureus</i> , mosses as model organisms in photosynthesis studies. <i>Photosynthesis Research</i> , 2005, 83, 87-96.	2.9	23
111	Psb29, a Conserved 22-kD Protein, Functions in the Biogenesis of Photosystem II Complexes in <i>Synechocystis</i> and <i>Arabidopsis</i> . <i>Plant Cell</i> , 2005, 17, 2768-2781.	6.6	95
112	Photochemical Competence of Assembled Photosystem II Core Complex in Cyanobacterial Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2005, 280, 6548-6553.	3.4	40
113	PsbU Provides a Stable Architecture for the Oxygen-Evolving System in Cyanobacterial Photosystem II. <i>Biochemistry</i> , 2005, 44, 12214-12228.	2.5	52
114	Evidence that D1 Processing Is Required for Manganese Binding and Extrinsic Protein Assembly into Photosystem II. <i>Journal of Biological Chemistry</i> , 2004, 279, 45417-45422.	3.4	104
115	Homologs of Plant PsbP and PsbQ Proteins Are Necessary for Regulation of Photosystem II Activity in the Cyanobacterium <i>Synechocystis</i> 6803 [W]. <i>Plant Cell</i> , 2004, 16, 2164-2175.	6.6	165
116	Structural Determinants of Metal Specificity in the Zinc Transport Protein ZnuA from <i>Synechocystis</i> 6803. <i>Journal of Molecular Biology</i> , 2003, 333, 1061-1069.	4.2	119
117	A Two-component Signal Transduction Pathway Regulates Manganese Homeostasis in <i>Synechocystis</i> 6803, a Photosynthetic Organism. <i>Journal of Biological Chemistry</i> , 2002, 277, 28981-28986.	3.4	75
118	Proteomics of <i>Synechocystis</i> sp. Strain PCC 6803. <i>Molecular and Cellular Proteomics</i> , 2002, 1, 956-966.	3.8	158
119	Low-Molecular-Mass Polypeptide Components of a Photosystem II Preparation from the Thermophilic Cyanobacterium <i>Thermosynechococcus vulcanus</i> . <i>Plant and Cell Physiology</i> , 2002, 43, 1366-1373.	3.1	45
120	Proteomic Analysis of a Highly Active Photosystem II Preparation from the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 Reveals the Presence of Novel Polypeptides. <i>Biochemistry</i> , 2002, 41, 8004-8012.	2.5	304
121	Functionally distinct NAD(P)H dehydrogenases and their membrane localization in <i>Synechocystis</i> sp. PCC6803. <i>Functional Plant Biology</i> , 2002, 29, 195.	2.1	25
122	Cytochrome cM from <i>Synechocystis</i> 6803. <i>FEBS Journal</i> , 2000, 267, 1068-1074.	0.2	15
123	phrA, the major photoreactivating factor in the cyanobacterium <i>Synechocystis</i> sp. strain PCC 6803 codes for a cyclobutane-pyrimidine-dimer-specific DNA photolyase. <i>Archives of Microbiology</i> , 2000, 173, 412-417.	2.2	66
124	The Carboxyl-Terminal Extension of the Precursor D1 Protein of Photosystem II Is Required for Optimal Photosynthetic Performance of the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant Physiology</i> , 2000, 124, 1403-1412.	4.8	45
125	The BtpA Protein Stabilizes the Reaction Center Proteins of Photosystem I in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 at Low Temperature. <i>Plant Physiology</i> , 2000, 123, 215-222.	4.8	30
126	The IRT1 protein from <i>Arabidopsis thaliana</i> is a metal transporter with a broad substrate range. <i>Plant Molecular Biology</i> , 1999, 40, 37-44.	3.9	699

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127	Subcellular localization of the BtpA protein in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>FEBS Journal</i> , 1999, 261, 311-316.	0.2	29
128	Membrane Topology of MntB, the Transmembrane Protein Component of an ABC Transporter System for Manganese in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. <i>Journal of Bacteriology</i> , 1999, 181, 3591-3593.	2.2	15
129	2D-isolation of pure plasma and thylakoid membranes from the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>FEBS Letters</i> , 1998, 436, 189-192.	2.8	117
130	Molecular Identification of a Novel Protein That Regulates Biogenesis of Photosystem I, a Membrane Protein Complex. <i>Journal of Biological Chemistry</i> , 1997, 272, 6382-6387.	3.4	40
131	Transport of CtpA Protein from the Cyanobacterium <i>Synechocystis</i> 6803 Across the Thylakoid Membrane in Chloroplasts. <i>FEBS Journal</i> , 1997, 249, 497-504.	0.2	17
132	Targeted interruption of the <i>psaA</i> and <i>psaB</i> genes encoding the reaction-centre proteins of photosystem I in the filamentous cyanobacterium <i>Anabaena variabilis</i> ATCC 29413. <i>Molecular Microbiology</i> , 1993, 9, 979-988.	2.5	20
133	Mutational Analysis of the PsbL Protein of Photosystem II in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1993, 48, 267-274.	1.4	40
134	Presence of an N-terminal presequence in the Psal protein of the Photosystem I complex in the filamentous cyanobacterium <i>Anabaena variabilis</i> ATCC 29413. <i>Plant Molecular Biology</i> , 1992, 20, 987-990.	3.9	10
135	The D1 protein of the photosystem II reaction-centre complex accumulates in the absence of D2: analysis of a mutant of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 lacking cytochrome d559. <i>Molecular Microbiology</i> , 1992, 6, 947-956.	2.5	35
136	Identities of four low-molecular-mass subunits of the photosystem I complex from <i>Anabaena variabilis</i> ATCC 29413. <i>FEBS Letters</i> , 1991, 287, 5-9.	2.8	37
137	Targeted Deletion Mutagenesis of the \hat{I}^2 Subunit of Cytochrome b559 Protein Destabilizes the Reaction Center of Photosystem II. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1990, 45, 423-429.	1.4	51
138	Examination of Photosystem II in Heterocysts of the Cyanobacterium <i>Nostoc</i> sp. ATCC 29150. , 1990, , 291-294.		5
139	Selective inhibition of photosystem II in spinach by tobacco mosaic virus: An effect of the viral coat protein. <i>FEBS Letters</i> , 1989, 245, 267-270.	2.8	85