Donald A Bryant

List of Publications by Year
in descending order

293 papers	18,211 citations	8159 76 h-index	22764 112 g-index
302 all docs	302 docs citations	302 times ranked	10597 citing authors

#	Article	IF	Citations
1	Structure of a monomeric photosystem II core complex from a cyanobacterium acclimated to far-red light reveals the functions of chlorophylls d and f. Journal of Biological Chemistry, 2022, 298, 101424.	1.6	32
2	Structure of a photosystem I-ferredoxin complex from a marine cyanobacterium provides insights into far-red light photoacclimation. Journal of Biological Chemistry, 2022, 298, 101408.	1.6	16
3	Elioraea tepida, sp. nov., a Moderately Thermophilic Aerobic Anoxygenic Phototrophic Bacterium Isolated from the Mat Community of an Alkaline Siliceous Hot Spring in Yellowstone National Park, WY, USA. Microorganisms, 2022, 10, 80.	1.6	1
4	Acclimation of the photosynthetic apparatus to low light in a thermophilic Synechococcus sp. strain. Photosynthesis Research, 2022, 153, 21-42.	1.6	4
5	Changes in supramolecular organization of cyanobacterial thylakoid membrane complexes in response to far-red light photoacclimation. Science Advances, 2022, 8, eabj4437.	4.7	9
6	Adaptation of Cyanobacteria to the Endolithic Light Spectrum in Hyper-Arid Deserts. Microorganisms, 2022, 10, 1198.	1.6	5
7	Molecular Evolution of Far-Red Light-Acclimated Photosystem II. Microorganisms, 2022, 10, 1270.	1.6	13
8	Use of Quartz Sand Columns to Study Far-Red Light Photoacclimation (FaRLiP) in Cyanobacteria. Applied and Environmental Microbiology, 2022, 88, .	1.4	4
9	The structural basis of far-red light absorbance by allophycocyanins. Photosynthesis Research, 2021, 147, 11-26.	1.6	20
10	Host population diversity as a driver of viral infection cycle in wild populations of green sulfur bacteria with long standing virus-host interactions. ISME Journal, 2021, 15, 1569-1584.	4.4	16
11	Quantitative assessment of chlorophyll types in cryo-EM maps of photosystem I acclimated to far-red light. BBA Advances, 2021, 1, 100019.	0.7	6
12	Photosynthesis | Long Wavelength Pigments in Photosynthesis. , 2021, , 245-255.		2
13	Genomic and Phenotypic Characterization of Chloracidobacterium Isolates Provides Evidence for Multiple Species. Frontiers in Microbiology, 2021, 12, 704168.	1.5	3
14	Carotenoid biomarkers in Namibian shelf sediments: Anoxygenic photosynthesis during sulfide eruptions in the Benguela Upwelling System. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
15	Breaking the Red Limit: Efficient Trapping of Long-Wavelength Excitations in Chlorophyll-f-Containing Photosystem I. CheM, 2021, 7, 155-173.	5.8	17
16	Extensive remodeling of the photosynthetic apparatus alters energy transfer among photosynthetic complexes when cyanobacteria acclimate to far-red light. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148064.	0.5	46
17	Far-red light allophycocyanin subunits play a role in chlorophyll d accumulation in far-red light. Photosynthesis Research, 2020, 143, 81-95.	1.6	25
18	Characterization of cyanobacterial allophycocyanins absorbing far-red light. Photosynthesis Research, 2020, 145, 189-207.	1.6	26

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19	Opportunities and challenges for assigning cofactors in cryo-EM density maps of chlorophyll-containing proteins. Communications Biology, 2020, 3, 408.	2.0	21
20	Harvesting far-red light: Functional integration of chlorophyll f into Photosystem I complexes of Synechococcus sp. PCC 7002. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148206.	0.5	25
21	Two-dimensional ⁶⁷Zn HYSCORE spectroscopy reveals that a Zn-bacteriochlorophyll <i>a</i>_Pâ€² dimer is the primary donor (P₈₄₀) in the type-1 reaction centers of <i>Chloracidobacterium thermophilum</i>. Physical Chemistry Chemical Physics, 2020, 22, 6457-6467.	1.3	17
22	Niche expansion for phototrophic sulfur bacteria at the Proterozoicâ€"Phanerozoic transition. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17599-17606.	3.3	36
23	The structure of Photosystem I acclimated to far-red light illuminates an ecologically important acclimation process in photosynthesis. Science Advances, 2020, 6, eaay6415.	4.7	50
24	Short-Term Stable Isotope Probing of Proteins Reveals Taxa Incorporating Inorganic Carbon in a Hot Spring Microbial Mat. Applied and Environmental Microbiology, 2020, 86, .	1.4	7
25	Evidence that chlorophyll f functions solely as an antenna pigment in far-red-light photosystem I from Fischerella thermalis PCC 7521. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148184.	0.5	26
26	Biosynthesis of the modified tetrapyrrolesâ€"the pigments of life. Journal of Biological Chemistry, 2020, 295, 6888-6925.	1.6	170
27	Caldichromatium japonicum gen. nov., sp. nov., a novel thermophilic phototrophic purple sulphur bacterium of the Chromatiaceae isolated from Nakabusa hot springs, Japan. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5701-5710.	0.8	17
28	Characterization of chlorophyll f synthase heterologously produced in Synechococcus sp. PCC 7002. Photosynthesis Research, 2019, 140, 77-92.	1.6	56
29	Engineering of B800 bacteriochlorophyll binding site specificity in the Rhodobacter sphaeroides LH2 antenna. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 209-223.	0.5	36
30	Energy transfer from chlorophyll f to the trapping center in naturally occurring and engineered Photosystem I complexes. Photosynthesis Research, 2019, 141, 151-163.	1.6	47
31	Phototrophy and Phototrophs. , 2019, , 527-527.		2
32	Reaction centers of the thermophilic microaerophile, Chloracidobacterium thermophilum (Acidobacteria) I: biochemical and biophysical characterization. Photosynthesis Research, 2019, 142, 87-103.	1.6	16
33	Fourier transform visible and infrared difference spectroscopy for the study of P700 in photosystem I from Fischerella thermalis PCC 7521 cells grown under white light and far-red light: Evidence that the Aâ€"1 cofactor is chlorophyll f. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 452-460.	0.5	16
34	Biosynthesis of chlorophylls and bacteriochlorophylls in green bacteria. Advances in Botanical Research, 2019, , 35-89.	0.5	21
35	Global Transcriptional Profiling of the Cyanobacterium Chlorogloeopsis fritschii PCC 9212 in Far-Red Light: Insights Into the Regulation of Chlorophyll d Synthesis. Frontiers in Microbiology, 2019, 10, 465.	1.5	28
36	Crossing the Thauer limit: rewiring cyanobacterial metabolism to maximize fermentative H₂production. Energy and Environmental Science, 2019, 12, 1035-1045.	15.6	10

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37	Elucidating the Role of Zinc-Bacteriochlorophyll A' in the Primary Photochemistry of Chloroacidobacterium thermophilum Reaction Centers. Biophysical Journal, 2019, 116, 419a.	0.2	1
38	Diversity of Chlorophototrophic Bacteria Revealed in the Omics Era. Annual Review of Plant Biology, 2018, 69, 21-49.	8.6	94
39	Engineered biosynthesis of bacteriochlorophyll gF in Rhodobacter sphaeroides. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 501-509.	0.5	15
40	De novo synthetic biliprotein design, assembly and excitation energy transfer. Journal of the Royal Society Interface, 2018, 15, 20180021.	1.5	18
41	Cyanobacteriochrome-based photoswitchable adenylyl cyclases (cPACs) for broad spectrum light regulation of cAMP levels in cells. Journal of Biological Chemistry, 2018, 293, 8473-8483.	1.6	59
42	Complete enzyme set for chlorophyll biosynthesis in <i>Escherichia coli</i>. Science Advances, 2018, 4, eaaq1407.	4.7	40
43	A physiological perspective on the origin and evolution of photosynthesis. FEMS Microbiology Reviews, 2018, 42, 205-231.	3.9	115
44	How nature designs light-harvesting antenna systems: design principles and functional realization in chlorophototrophic prokaryotes. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 033001.	0.6	97
45	15N photo-CIDNP MAS NMR analysis of reaction centers of Chloracidobacterium thermophilum. Photosynthesis Research, 2018, 137, 295-305.	1.6	20
46	Presence of a [3Feâ€“4S] cluster in a PsaC variant as a functional component of the photosystem I electron transfer chain in Synechococcus sp. PCC 7002. Photosynthesis Research, 2018, 136, 31-48.	1.6	3
47	Electronâ€“Phonon Coupling in Cyanobacterial Photosystem I. Journal of Physical Chemistry B, 2018, 122, 7943-7955.	1.2	16
48	A paralog of a bacteriochlorophyll biosynthesis enzyme catalyzes the formation of 1,2-dihydrocarotenoids in green sulfur bacteria. Journal of Biological Chemistry, 2018, 293, 15233-15242.	1.6	9
49	Structural Variations in Chlorosomes from Wild-Type and a <i>bchQR</i> Mutant of <i>Chlorobaculum tepidum</i> Revealed by Single-Molecule Spectroscopy. Journal of Physical Chemistry B, 2018, 122, 6712-6723.	1.2	18
50	â€œCandidatus Thermonerobacter thiotrophicus,â€•A Non-phototrophic Member of the Bacteroidetes/Chlorobi With Dissimilatory Sulfur Metabolism in Hot Spring Mat Communities. Frontiers in Microbiology, 2018, 9, 3159.	1.5	57
51	Speciation and ecological success in dimly lit waters: horizontal gene transfer in a green sulfur bacteria bloom unveiled by metagenomic assembly. ISME Journal, 2017, 11, 201-211.	4.4	40
52	BciD Is a Radical S-Adenosyl-l-methionine (SAM) Enzyme That Completes Bacteriochlorophyllide e Biosynthesis by Oxidizing a Methyl Group into a Formyl Group at C-7. Journal of Biological Chemistry, 2017, 292, 1361-1373.	1.6	22
53	Multi-step excitation energy transfer engineered in genetic fusions of natural and synthetic light-harvesting proteins. Journal of the Royal Society Interface, 2017, 14, 20160896.	1.5	18
54	Light regulation of pigment and photosystem biosynthesis in cyanobacteria. Current Opinion in Plant Biology, 2017, 37, 24-33.	3.5	93

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55	A Panoply of Phototrophs: An Overview of the Thermophilic Chlorophototrophs of the Microbial Mats of Alkaline Siliceous Hot Springs in Yellowstone National Park, WY, USA. , 2017, , 87-137.		62
56	Complete Genome Sequence of the Photoautotrophic and Bacteriochlorophyll <i>e</i> -Synthesizing Green Sulfur Bacterium Chlorobaculum limnaeum DSM 1677 ^T. Genome Announcements, 2017, 5, .	0.8	2
57	Polymerâ€"Chlorosome Nanocomposites Consisting of Non-Native Combinations of Self-Assembling Bacteriochlorophylls. Langmuir, 2017, 33, 6427-6438.	1.6	17
58	Indirect Interspecies Regulation: Transcriptional and Physiological Responses of a Cyanobacterium to Heterotrophic Partnership. MSystems, 2017, 2, .	1.7	20
59	Draft Genome Sequence of Anoxybacillus ayderensis Strain MT-Cab (Firmicutes). Genome Announcements, 2017, 5, .	0.8	3
60	Repurposing a photosynthetic antenna protein as a super-resolution microscopy label. Scientific Reports, 2017, 7, 16807.	1.6	1
61	The microbiomes of blowflies and houseflies as bacterial transmission reservoirs. Scientific Reports, 2017, 7, 16324.	1.6	115
62	Zn ²⁺ -Inducible Expression Platform for Synechococcus sp. Strain PCC 7002 Based on the <i>smtA</i> Promoter/Operator and <i>smtB</i> Repressor. Applied and Environmental Microbiology, 2017, 83, .	1.4	14
63	Synechocystis sp. PCC 6803 CruA (sll0147) encodes lycopene cyclase and requires bound chlorophyll a for activity. Photosynthesis Research, 2017, 131, 267-280.	1.6	16
64	Far-red light photoacclimation (FaRLiP) in Synechococcus sp. PCC 7335. II.Characterization of phycobiliproteins produced during acclimation to far-red light. Photosynthesis Research, 2017, 131, 187-202.	1.6	75
65	Far-red light photoacclimation (FaRLiP) in Synechococcus sp. PCC 7335: I. Regulation of FaRLiP gene expression. Photosynthesis Research, 2017, 131, 173-186.	1.6	67
66	The Dark Side of the Mushroom Spring Microbial Mat: Life in the Shadow of Chlorophototrophs. II. Metabolic Functions of Abundant Community Members Predicted from Metagenomic Analyses. Frontiers in Microbiology, 2017, 8, 943.	1.5	100
67	The Physiological Functions and Structural Determinants of Catalytic Bias in the [FeFe]-Hydrogenases CpI and CpII of Clostridium pasteurianum Strain W5. Frontiers in Microbiology, 2017, 8, 1305.	1.5	30
68	Genome Sequence of Prosthecochloris sp. Strain HL-130-GSB, from the Phylum Chlorobi. Genome Announcements, 2017, 5, .	0.8	3
69	The Dark Side of the Mushroom Spring Microbial Mat: Life in the Shadow of Chlorophototrophs. I. Microbial Diversity Based on 16S rRNA Gene Amplicons and Metagenomic Sequencing. Frontiers in Microbiology, 2016, 7, 919.	1.5	123
70	Natural and Synthetic Variants of the Tricarboxylic Acid Cycle in Cyanobacteria: Introduction of the GABA Shunt into Synechococcus sp. PCC 7002. Frontiers in Microbiology, 2016, 7, 1972.	1.5	46
71	Light-dependent chlorophyll f synthase is a highly divergent paralog of PsbA of photosystem II. Science, 2016, 353, .	6.0	155
72	Inactivation of nitrate reductase alters metabolic branching of carbohydrate fermentation in the cyanobacterium Synechococcus sp. strain PCC 7002. Biotechnology and Bioengineering, 2016, 113, 979-988.	1.7	13

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73	Genome Sequence of Prosthecochloris sp. Strain CIB 2401 of the Phylum Chlorobi. Genome Announcements, 2016, 4, .	0.8	3
74	The siderophilic cyanobacterium Leptolyngbya sp. strain JSC-1 acclimates to iron starvation by expressing multiple isiA-family genes. Photosynthesis Research, 2016, 128, 325-340.	1.6	18
75	Unlocking the Constraints of Cyanobacterial Productivity: Acclimations Enabling Ultrafast Growth. MBio, 2016, 7, .	1.8	38
76	Network analysis of transcriptomics expands regulatory landscapes in<i>Synechococcus</i>sp. PCC 7002. Nucleic Acids Research, 2016, 44, 8810-8825.	6.5	26
77	Identification and Regulation of Genes for Cobalamin Transport in the Cyanobacterium Synechococcus sp. Strain PCC 7002. Journal of Bacteriology, 2016, 198, 2753-2761.	1.0	26
78	Complementation of Cobalamin Auxotrophy in Synechococcus sp. Strain PCC 7002 and Validation of a Putative Cobalamin Riboswitch <i>In Vivo</i>. Journal of Bacteriology, 2016, 198, 2743-2752.	1.0	25
79	Cyanobacteriochrome Photoreceptors Lacking the Canonical Cys Residue. Biochemistry, 2016, 55, 6981-6995.	1.2	34
80	Consequences of <i>ccmR</i> deletion on respiration, fermentation and H₂ metabolism in cyanobacterium <i>Synechococcus sp</i>. PCC 7002. Biotechnology and Bioengineering, 2016, 113, 1448-1459.	1.7	5
81	Glycolipid analyses of light-harvesting chlorosomes from envelope protein mutants of Chlorobaculum tepidum. Photosynthesis Research, 2016, 128, 235-241.	1.6	11
82	Structure of Light-Harvesting Aggregates in Individual Chlorosomes. Journal of Physical Chemistry B, 2016, 120, 5367-5376.	1.2	55
83	The role of biology in planetary evolution: cyanobacterial primary production in lowâ€oxygen Proterozoic oceans. Environmental Microbiology, 2016, 18, 325-340.	1.8	151
84	Fabrication of Nanometer- and Micrometer-Scale Protein Structures by Site-Specific Immobilization of Histidine-Tagged Proteins to Aminosiloxane Films with Photoremovable Protein-Resistant Protecting Groups. Langmuir, 2016, 32, 1818-1827.	1.6	22
85	Adaptive and acclimative responses of cyanobacteria to farâ€red light. Environmental Microbiology, 2015, 17, 3450-3465.	1.8	158
86	High-yield production of extracellular type-I cellulose by the cyanobacterium Synechococcus sp. PCC 7002. Cell Discovery, 2015, 1, 15004.	3.1	40
87	The molecular dimension of microbial species: 1. Ecological distinctions among, and homogeneity within, putative ecotypes of Synechococcus inhabiting the cyanobacterial mat of Mushroom Spring, Yellowstone National Park. Frontiers in Microbiology, 2015, 6, 590.	1.5	49
88	The molecular dimension of microbial species: 3. Comparative genomics of Synechococcus strains with different light responses and in situ diel transcription patterns of associated putative ecotypes in the Mushroom Spring microbial mat. Frontiers in Microbiology, 2015, 6, 604.	1.5	67
89	The molecular dimension of microbial species: 2. Synechococcus strains representative of putative ecotypes inhabiting different depths in the Mushroom Spring microbial mat exhibit different adaptive and acclimative responses to light. Frontiers in Microbiology, 2015, 6, 626.	1.5	56
90	Fur-type transcriptional repressors and metal homeostasis in the cyanobacterium Synechococcus sp. PCC 7002. Frontiers in Microbiology, 2015, 6, 1217.	1.5	50

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91	RfpA, RfpB, and RfpC are the Master Control Elements of Far-Red Light Photoacclimation (FaRLiP). Frontiers in Microbiology, 2015, 6, 1303.	1.5	82
92	Biochemical Validation of the Glyoxylate Cycle in the Cyanobacterium Chlorogloeopsis fritschii Strain PCC 9212. Journal of Biological Chemistry, 2015, 290, 14019-14030.	1.6	69
93	Occurrence of Far-Red Light Photoacclimation (FaRLiP) in Diverse Cyanobacteria. Life, 2015, 5, 4-24.	1.1	155
94	Chloracidobacterium thermophilum gen. nov., sp. nov.: an anoxygenic microaerophilic chlorophotoheterotrophic acidobacterium. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 1426-1430.	0.8	96
95	Nutrient requirements and growth physiology of the photoheterotrophic Acidobacterium, Chloracidobacterium thermophilum. Frontiers in Microbiology, 2015, 06, 226.	1.5	65
96	Dynamics of Photosynthesis in a Glycogen-Deficient <i>glgC</i> Mutant of Synechococcus sp. Strain PCC 7002. Applied and Environmental Microbiology, 2015, 81, 6210-6222.	1.4	29
97	Diel metabolomics analysis of a hot spring chlorophototrophic microbial mat leads to new hypotheses of community member metabolisms. Frontiers in Microbiology, 2015, 6, 209.	1.5	104
98	Draft Genome Sequence of the Deinococcus-Thermus Bacterium Meiothermus ruber Strain A. Genome Announcements, 2015, 3, .	0.8	8
99	Structure and Absolute Configuration of Auriculamide, a Natural Product from the Predatory Bacterium <i>Herpetosiphon aurantiacus</i>. European Journal of Organic Chemistry, 2015, 2015, 3057-3062.	1.2	14
100	Metabolic engineering of Synechococcus sp. PCC 7002 to produce poly-3-hydroxybutyrate and poly-3-hydroxybutyrate-co-4-hydroxybutyrate. Metabolic Engineering, 2015, 32, 174-183.	3.6	50
101	Electron transfer from the A1A and A1B sites to a tethered Pt nanoparticle requires the FeS clusters for suppression of the recombination channel. Journal of Photochemistry and Photobiology B: Biology, 2015, 152, 325-334.	1.7	5
102	NpR3784 is the prototype for a distinctive group of red/green cyanobacteriochromes using alternative Phe residues for photoproduct tuning. Photochemical and Photobiological Sciences, 2015, 14, 258-269.	1.6	50
103	Recombination Does Not Hinder Formation or Detection of Ecological Species of Synechococcus Inhabiting a Hot Spring Cyanobacterial Mat. Frontiers in Microbiology, 2015, 6, 1540.	1.5	16
104	ChlR Protein of Synechococcus sp. PCC 7002 Is a Transcription Activator That Uses an Oxygen-sensitive [4Fe-4S] Cluster to Control Genes involved in Pigment Biosynthesis. Journal of Biological Chemistry, 2014, 289, 16624-16639.	1.6	26
105	Proteogenomic analysis and global discovery of posttranslational modifications in prokaryotes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5633-42.	3.3	55
106	Effect of mono- and dichromatic light quality on growth rates and photosynthetic performance of Synechococcus sp. PCC 7002. Frontiers in Microbiology, 2014, 5, 488.	1.5	32
107	Draft Genome Sequence of the Moderately Thermophilic Bacterium Schleiferia thermophila Strain Yellowstone (<i>Bacteroidetes</i>). Genome Announcements, 2014, 2, .	0.8	13
108	Draft Genome Sequence of a Sulfide-Oxidizing, Autotrophic Filamentous Anoxygenic Phototrophic Bacterium, <i>Chloroflexus</i> sp. Strain MS-G (<i>Chloroflexi</i>). Genome Announcements, 2014, 2, .	0.8	18

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109	wPMLGâ€5 Spectroscopy of Selfâ€Aggregated BChl <i>e</i> in Natural Chlorosomes of <i>Chlorobaculum Limnaeum</i>. Israel Journal of Chemistry, 2014, 54, 147-153.	1.0	1
110	Growth of Chlamydomonas reinhardtii in acetate-free medium when co-cultured with alginate-encapsulated, acetate-producing strains of Synechococcus sp. PCC 7002. Biotechnology for Biofuels, 2014, 7, 154.	6.2	28
111	Extensive remodeling of a cyanobacterial photosynthetic apparatus in far-red light. Science, 2014, 345, 1312-1317.	6.0	332
112	Photophysical Properties of the Excited States of Bacteriochlorophyll <i>f</i> in Solvents and in Chlorosomes. Journal of Physical Chemistry B, 2014, 118, 2295-2305.	1.2	24
113	Ether- and Ester-Bound <i>iso</i> -Diabolic Acid and Other Lipids in Members of Acidobacteria Subdivision 4. Applied and Environmental Microbiology, 2014, 80, 5207-5218.	1.4	112
114	Triplet Excited State Energies and Phosphorescence Spectra of (Bacterio)Chlorophylls. Journal of Physical Chemistry B, 2014, 118, 7221-7232.	1.2	41
115	Inference of interactions in cyanobacterialâ€"heterotrophic co-cultures via transcriptome sequencing. ISME Journal, 2014, 8, 2243-2255.	4.4	75
116	Vipp1 Is Essential for the Biogenesis of Photosystem I but Not Thylakoid Membranes in Synechococcus sp. PCC 7002. Journal of Biological Chemistry, 2014, 289, 15904-15914.	1.6	60
117	Learning new tricks from an old cycle: the TCA cycle in cyanobacteria, algae and plants. Perspectives in Phycology, 2014, 1, 73-86.	1.9	8
118	Green Bacteria. Advances in Botanical Research, 2013, 66, 99-150.	0.5	31
119	Characterization of BciB: A Ferredoxin-Dependent 8-Vinyl-Protochlorophyllide Reductase from the Green Sulfur Bacterium <i>Chloroherpeton thalassium</i>. Biochemistry, 2013, 52, 8442-8451.	1.2	25
120	Reprogramming the glycolytic pathway for increased hydrogen production in cyanobacteria: metabolic engineering of NAD+-dependent GAPDH. Energy and Environmental Science, 2013, 6, 3722.	15.6	44
121	Genomic analysis reveals key aspects of prokaryotic symbiosis in the phototrophic consortium â€œChlorochromatium aggregatumâ€. Genome Biology, 2013, 14, R127.	13.9	40
122	[2Fe-2S] Proteins in Chlorosomes: CsmI and CsmJ Participate in Light-Dependent Control of Energy Transfer in Chlorosomes of <i>Chlorobaculum tepidum</i>. Biochemistry, 2013, 52, 1321-1330.	1.2	10
123	Altered carbohydrate metabolism in glycogen synthase mutants of Synechococcus sp. strain PCC 7002: Cell factories for soluble sugars. Metabolic Engineering, 2013, 16, 56-67.	3.6	116
124	Comparison of the physical characteristics of chlorosomes from three different phyla of green phototrophic bacteria. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 1235-1244.	0.5	22
125	Spectroscopic insights into the decreased efficiency of chlorosomes containing bacteriochlorophyll f. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 493-501.	0.5	30
126	Temporal metatranscriptomic patterning in phototrophic Chloroflexi inhabiting a microbial mat in a geothermal spring. ISME Journal, 2013, 7, 1775-1789.	4.4	168

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127	Natural osmolytes are much less effective substrates than glycogen for catabolic energy production in the marine cyanobacterium Synechococcus sp. strain PCC 7002. Journal of Biotechnology, 2013, 166, 65-75.	1.9	46
128	Structural and Biochemical Characterization of the Bilin Lyase CpcS from Thermosynechococcus elongatus. Biochemistry, 2013, 52, 8663-8676.	1.2	29
129	[2Fe-2S] Proteins in Chlorosomes: Redox Properties of CsmI, CsmJ, and CsmX of the Chlorosome Envelope of <i>Chlorobaculum tepidum</i>. Biochemistry, 2013, 52, 1331-1343.	1.2	4
130	Community Structure and Function of High-Temperature Chlorophototrophic Microbial Mats Inhabiting Diverse Geothermal Environments. Frontiers in Microbiology, 2013, 4, 106.	1.5	112
131	Comparative genomics and functional analysis of rhamnose catabolic pathways and regulons in bacteria. Frontiers in Microbiology, 2013, 4, 407.	1.5	55
132	Acclimation of the Global Transcriptome of the Cyanobacterium Synechococcus sp. Strain PCC 7002 to Nutrient Limitations and Different Nitrogen Sources. Frontiers in Microbiology, 2012, 3, 145.	1.5	124
133	Circular Dichroism Measured on Single Chlorosomal Light-Harvesting Complexes of Green Photosynthetic Bacteria. Journal of Physical Chemistry Letters, 2012, 3, 3545-3549.	2.1	27
134	Functional Genomics in an Ecological and Evolutionary Context: Maximizing the Value of Genomes in Systems Biology. Advances in Photosynthesis and Respiration, 2012, , 1-16.	1.0	7
135	Structural Variability in Wild-Type and <i>bchQ bchR</i> Mutant Chlorosomes of the Green Sulfur Bacterium <i>Chlorobaculum tepidum</i>. Biochemistry, 2012, 51, 4488-4498.	1.2	47
136	â€˜<i>Candidatus</i> Thermochlorobacter aerophilum:â€™ an aerobic chlorophotoheterotrophic member of the phylum <i>Chlorobi</i> defined by metagenomics and metatranscriptomics. ISME Journal, 2012, 6, 1869-1882.	4.4	108
137	Identification of the Bacteriochlorophylls, Carotenoids, Quinones, Lipids, and Hopanoids of "Candidatus Chloracidobacterium thermophilum". Journal of Bacteriology, 2012, 194, 1158-1168.	1.0	65
138	Complete Genome of Ignavibacterium album, a Metabolically Versatile, Flagellated, Facultative Anaerobe from the Phylum Chlorobi. Frontiers in Microbiology, 2012, 3, 185.	1.5	168
139	Bacteriochlorophyll f: properties of chlorosomes containing the â€œforbidden chlorophyllâ€• Frontiers in Microbiology, 2012, 3, 298.	1.5	49
140	Synechococcus sp. Strain PCC 7002 Transcriptome: Acclimation to Temperature, Salinity, Oxidative Stress, and Mixotrophic Growth Conditions. Frontiers in Microbiology, 2012, 3, 354.	1.5	157
141	Isolation and Characterization of Homodimeric Type-I Reaction Center Complex from Candidatus Chloracidobacterium thermophilum, an Aerobic Chlorophototroph. Journal of Biological Chemistry, 2012, 287, 5720-5732.	1.6	42
142	Comparative and Functional Genomics of Anoxygenic Green Bacteria from the Taxa Chlorobi, Chloroflexi, and Acidobacteria. Advances in Photosynthesis and Respiration, 2012, , 47-102.	1.0	145
143	Complete genome of <i>Candidatus</i> Chloracidobacterium thermophilum, a chlorophyllâ€based photoheterotroph belonging to the phylum <i>Acidobacteria</i>. Environmental Microbiology, 2012, 14, 177-190.	1.8	79
144	Comparison of Chloroflexus aurantiacus strain J-10-fl proteomes of cells grown chemoheterotrophically and photoheterotrophically. Photosynthesis Research, 2012, 110, 153-168.	1.6	18

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145	Wiring photosystem I for electron transfer to a tethered redox dye. Energy and Environmental Science, 2011, 4, 2428.	15.6	5
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290	Characterization of the biliproteins of Gloeobacter violaceus chromophore content of a cyanobacterial phycoerythrin carrying phycourobilin chromophore. Archives of Microbiology, 1981, 129, 190-198.	1.0	63
291	The structure of cyanobacterial phycobilisomes: a model. Archives of Microbiology, 1979, 123, 113-127.	1.0	344
292	Characterization and structural properties of the major biliproteins of Anabaena sp.. Archives of Microbiology, 1976, 110, 61-75.	1.0	203
293	The phylogenetic relationships of Chlorobium tepidum and Chloroflexus aurantiacus based upon their RecA sequences. , 0, .		1