

Arthur R Grossman

List of Articles by Year in descending order

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296

peer-reviewed
articles

22,103

peer-reviewed
citations

5728

81

peer-reviewed
h-index

10714

144

g-index

354

documents

28236

doc citations

4414

93

h-index

24973

citing authors

#	ARTICLE	IF	CITATIONS
1	Abundant and active community members respond to diel cycles in hot spring phototrophic mats. <i>ISME Journal</i> , 2025, 19, .	9.1	8
2	Cyanobacteria and Chloroflexota cooperate to structure light-responsive biofilms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2025, 122, .	7.5	9
3	The Influence of Symbiont Identity on the Proteomic and Metabolomic Responses of the Model Cnidarian <i>Aiptasia</i> to Thermal Stress. <i>Environmental Microbiology</i> , 2025, 27, .	3.7	5
4	Dihydroxyacetone phosphate generated in the chloroplast mediates the activation of TOR by CO ₂ and light. <i>Science Advances</i> , 2025, 11, .	10.9	4
5	Stability of the cnidarian–dinoflagellate symbiosis is primarily determined by symbiont cell-cycle arrest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2025, 122, .	7.5	3
6	GreenCut protein LPB1 is required for SQDG accumulation and optimal photosynthetic electron transfer from QA ⁺ to QB in <i>Chlamydomonas reinhardtii</i> . <i>Algal Research</i> , 2024, 79, 103456.	4.5	2
7	Photosynthesis and other factors affecting the establishment and maintenance of cnidarian–dinoflagellate symbiosis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2024, 379, .	3.7	7
8	Protocol for mapping the three-dimensional organization of dinoflagellate genomes. <i>STAR Protocols</i> , 2024, 5, 102941.	1.1	1
9	Genome-wide distribution of 5-hydroxymethyluracil and chromatin accessibility in the <i>Breviolum minutum</i> genome. <i>Genome Biology</i> , 2024, 25, .	8.1	10
10	Alternative electron pathways of photosynthesis power green algal CO ₂ capture. <i>Plant Cell</i> , 2024, 36, 4132-4142.	7.6	31
11	Proteomes of native and non-native symbionts reveal responses underpinning host-symbiont specificity in the cnidarian–dinoflagellate symbiosis. <i>ISME Journal</i> , 2024, 18, .	9.1	6
12	Lighting the way: Compelling open questions in photosynthesis research. <i>Plant Cell</i> , 2024, 36, 3914-3943.	7.6	33
13	Self-aggregation for sustainable harvesting of microalgae. <i>Algal Research</i> , 2024, 83, 103685.	4.5	17
14	Dramatic changes in mitochondrial subcellular location and morphology accompany activation of the CO ₂ concentrating mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2024, 121, .	7.5	17
15	Photosynthetic Electron Flows and Networks of Metabolite Trafficking to Sustain Metabolism in Photosynthetic Systems. <i>Plants</i> , 2024, 13, 3015.	3.7	5
16	Genomic conservation and putative downstream functionality of the phosphatidylinositol signalling pathway in the cnidarian-dinoflagellate symbiosis. <i>Frontiers in Microbiology</i> , 2023, 13, .	3.9	5
17	The Influence of Symbiosis on the Proteome of the <i>Exaiptasia</i> Endosymbiont <i>Breviolum minutum</i> . <i>Microorganisms</i> , 2023, 11, 292.	3.8	14
18	Restricting electron flow at cytochrome b6f when downstream electron acceptors are severely limited. <i>Plant Physiology</i> , 2023, 192, 789-804.	5.5	8

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19	Chlamydomonas mutants lacking chloroplast TRIOSE PHOSPHATE TRANSPORTER3 are metabolically compromised and light sensitive. <i>Plant Cell</i> , 2023, 35, 2592-2614.	7.6	25
20	Light-independent regulation of algal photoprotection by CO2 availability. <i>Nature Communications</i> , 2023, 14, .	13.7	52
21	One step further toward a crop CO2-concentrating mechanism. <i>Journal of Experimental Botany</i> , 2023, 74, 3402-3405.	5.1	6
22	Symbiont Identity Impacts the Microbiome and Volatilome of a Model Cnidarian-Dinoflagellate Symbiosis. <i>Biology</i> , 2023, 12, 1014.	2.8	10
23	Deep imaging flow cytometry. <i>Lab on A Chip</i> , 2022, 22, 876-889.	5.1	36
24	The chromatin organization of a chlorarachniophyte nucleomorph genome. <i>Genome Biology</i> , 2022, 23, .	8.1	7
25	Systematic characterization of gene function in the photosynthetic alga <i>Chlamydomonas reinhardtii</i> . <i>Nature Genetics</i> , 2022, 54, 705-714.	25.2	90
26	Differential Phototactic Behavior of Closely Related Cyanobacterial Isolates from Yellowstone Hot Spring Biofilms. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.6	10
27	Cnidarian-Symbiodiniaceae symbiosis establishment is independent of photosynthesis. <i>Current Biology</i> , 2022, 32, 2402-2415.e4.	3.6	51
28	Transcriptional regulation of photoprotection in dark-to-light transition—More than just a matter of excess light energy. <i>Science Advances</i> , 2022, 8, .	10.9	36
29	Retrotransposition facilitated the establishment of a primary plastid in the thecate amoeba <i>Paulinella</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.5	12
30	Intelligent image-activated sorting of <i>Chlamydomonas reinhardtii</i> by mitochondrial localization. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2022, 101, 1027-1034.	2.5	13
31	Immunolocalization of Metabolite Transporter Proteins in a Model Cnidarian-Dinoflagellate Symbiosis. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.6	21
32	Symbiosis induces unique volatile profiles in the model cnidarian <i>Aiptasia</i> . <i>Journal of Experimental Biology</i> , 2022, 225, .	2.1	9
33	Impact of Menthol on Growth and Photosynthetic Function of <i>Breviolum Minutum</i> (Dinoflagellata). <i>Trends in Plant Science</i> , 2022, 27, 245-257.	2.9	9
34	Interplay of four auxiliary factors is required for the assembly of photosystem I reaction center subcomplex. <i>Plant Journal</i> , 2021, 106, 1075-1086.	6.2	26
35	Transcription-dependent domain-scale three-dimensional genome organization in the dinoflagellate <i>Breviolum minutum</i> . <i>Nature Genetics</i> , 2021, 53, 613-617.	25.2	60
36	Why is primary endosymbiosis so rare?. <i>New Phytologist</i> , 2021, 231, 1693-1699.	8.1	32

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37	Metabolic control of acclimation to nutrient deprivation dependent on polyphosphate synthesis. <i>Science Advances</i> , 2020, 6, .	10.9	44
38	Polyphosphate: A Multifunctional Metabolite in Cyanobacteria and Algae. <i>Frontiers in Plant Science</i> , 2020, 11, .	4.1	192
39	Phylogenetic analysis of cell-cycle regulatory proteins within the Symbiodiniaceae. <i>Scientific Reports</i> , 2020, 10, .	3.4	4
40	Subcellular imaging shows reduced photosynthetic carbon and increased nitrogen assimilation by the non-native endosymbiont <i>Durusdinium trenchii</i> in the model cnidarian <i>Aiptasia</i> . <i>Environmental Microbiology</i> , 2020, 22, 3741-3753.	3.7	32
41	Symbiont population control by host-symbiont metabolic interaction in Symbiodiniaceae-cnidarian associations. <i>Nature Communications</i> , 2020, 11, .	13.7	132
42	Paulinella, a model for understanding plastid primary endosymbiosis. <i>Journal of Phycology</i> , 2020, 56, 837-843.	2.9	55
43	Transcriptome Reprogramming of Symbiodiniaceae <i>Breviolum minutum</i> in Response to Casein Amino Acids Supplementation. <i>Frontiers in Physiology</i> , 2020, 11, .	2.8	7
44	Proteomics quantifies protein expression changes in a model cnidarian colonised by a thermally tolerant but suboptimal symbiont. <i>ISME Journal</i> , 2019, 13, 2334-2345.	9.1	60
45	Alternative outlets for sustaining photosynthetic electron transport during dark-to-light transitions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11518-11527.	7.5	58
46	A genome-wide algal mutant library and functional screen identifies genes required for eukaryotic photosynthesis. <i>Nature Genetics</i> , 2019, 51, 627-635.	25.2	327
47	Towards sustainable microalgal biomass processing: anaerobic induction of autolytic cell-wall self-ingestion in lipid-rich <i>Nannochloropsis</i> slurries. <i>Green Chemistry</i> , 2019, 21, 2967-2982.	9.1	49
48	The mitochondrial alternative oxidase from <i>Chlamydomonas reinhardtii</i> enables survival in high light. <i>Journal of Biological Chemistry</i> , 2019, 294, 1380-1395.	2.2	55
49	Building the GreenCut2 suite of proteins to unmask photosynthetic function and regulation. <i>Microbiology (United Kingdom)</i> , 2019, 165, 697-718.	2.9	18
50	GreenCut protein CPLD49 of <i>Chlamydomonas reinhardtii</i> associates with thylakoid membranes and is required for cytochrome b6/f complex accumulation. <i>Plant Journal</i> , 2018, 94, 1023-1037.	6.2	12
51	Glucose-Induced Trophic Shift in an Endosymbiont Dinoflagellate with Physiological and Molecular Consequences. <i>Plant Physiology</i> , 2018, 176, 1793-1807.	5.5	44
52	Phylogenetic characterization of transporter proteins in the cnidarian-dinoflagellate symbiosis. <i>Molecular Phylogenetics and Evolution</i> , 2018, 120, 307-320.	2.8	44
53	Partner switching and metabolic flux in a model cnidarian-dinoflagellate symbiosis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, .	2.4	94
54	A giant type I polyketide synthase participates in zygospore maturation in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2018, 95, 268-281.	6.2	33

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55	Impact of light intensity and quality on chromatophore and nuclear gene expression in <i>Paulinella chromatophora</i> , an amoeba with nascent photosynthetic organelles. <i>Plant Journal</i> , 2017, 90, 221-234.	6.2	37
56	A robust protocol for efficient generation, and genomic characterization of insertional mutants of <i>Chlamydomonas reinhardtii</i> . <i>Plant Methods</i> , 2017, 13, .	4.0	19
57	Thermal Shock Induces Host Proteostasis Disruption and Endoplasmic Reticulum Stress in the Model Symbiotic Cnidarian <i>Aiptasia</i> . <i>Journal of Proteome Research</i> , 2017, 16, 2121-2134.	3.4	79
58	The Algal Revolution. <i>Trends in Plant Science</i> , 2017, 22, 726-738.	11.6	83
59	A Plant Cryptochrome Controls Key Features of the <i>Chlamydomonas</i> Circadian Clock and Its Life Cycle. <i>Plant Physiology</i> , 2017, 174, 185-201.	5.5	65
60	Bilin-Dependent Photoacclimation in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2017, 29, 2711-2726.	7.6	45
61	Biotic interactions as drivers of algal origin and evolution. <i>New Phytologist</i> , 2017, 216, 670-681.	8.1	30
62	Optimal nutrient exchange and immune responses operate in partner specificity in the cnidarian-dinoflagellate symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13194-13199.	7.5	244
63	Nutrient scavenging and energy management: acclimation responses in nitrogen and sulfur deprived <i>Chlamydomonas</i> . <i>Current Opinion in Plant Biology</i> , 2017, 39, 114-122.	7.2	55
64	Flocculation of <i>Chlamydomonas reinhardtii</i> with Different Phenotypic Traits by Metal Cations and High pH. <i>Frontiers in Plant Science</i> , 2017, 8, .	4.1	35
65	Pyrenoid loss in <i>Chlamydomonas reinhardtii</i> causes limitations in CO ₂ supply, but not thylakoid operating efficiency. <i>Journal of Experimental Botany</i> , 2017, 68, 3903-3913.	5.1	45
66	Prolonged and highly efficient intracellular extraction of photosynthetic electrons from single algal cells by optimized nanoelectrode insertion. <i>Nano Research</i> , 2017, 11, 397-409.	8.6	21
67	Menthol-induced bleaching rapidly and effectively provides experimental aposymbiotic sea anemones (<i>Aiptasia</i>) with photosynthetic electrons. <i>Journal of Experimental Botany</i> , 2017, 68, 3903-3913.	10.784314	96
68	Symbiosis induces widespread changes in the proteome of the model cnidarian <i>Aiptasia</i> . <i>Cellular Microbiology</i> , 2016, 18, 1009-1023.	1.6	112
69	Nutrient Acquisition: The Generation of Bioactive Vitamin B ₁₂ by Microalgae. <i>Current Biology</i> , 2016, 26, R319-R321.	3.6	64
70	Gene transfers from diverse bacteria compensate for reductive genome evolution in the chromatophore of <i>Paulinella chromatophora</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12214-12219.	7.5	154
71	Patterned Nanowire Electrode Array for Direct Extraction of Photosynthetic Electrons from Multiple Living Algal Cells. <i>Advanced Functional Materials</i> , 2016, 26, 7679-7689.	17.0	25
72	Development of a toolbox to dissect host-endosymbiont interactions and protein trafficking in the trypanosomatid <i>Angomonas deanei</i> . <i>BMC Evolutionary Biology</i> , 2016, 16, .	3.1	35

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73	The Type II NADPH Dehydrogenase Facilitates Cyclic Electron Flow, Energy-Dependent Quenching, and Chlororespiratory Metabolism during Acclimation of <i>Chlamydomonas reinhardtii</i> to Nitrogen Deprivation. <i>Plant Physiology</i> , 2016, 170, 1975-1988.	5.5	65
74	An Indexed, Mapped Mutant Library Enables Reverse Genetics Studies of Biological Processes in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2016, 28, 367-387.	7.6	385
75	Tetratricopeptide repeat protein protects photosystem I from oxidative disruption during assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2774-2779.	7.5	38
76	Genome Analysis of Planctomycetes Inhabiting Blades of the Red Alga <i>Porphyra umbilicalis</i> . <i>PLoS ONE</i> , 2016, 11, e0151883.	2.3	44
77	Relative Contributions of Various Cellular Mechanisms to Loss of Algae during Cnidarian Bleaching. <i>PLoS ONE</i> , 2016, 11, e0152693.	2.3	102
78	Algae after dark: mechanisms to cope with anoxic/hypoxic conditions. <i>Plant Journal</i> , 2015, 82, 481-503.	6.2	61
79	Symbiodinium transcriptome and global responses of cells to immediate changes in light intensity when grown under autotrophic or mixotrophic conditions. <i>Plant Journal</i> , 2015, 82, 67-80.	6.2	88
80	The Use of Contact Mode Atomic Force Microscopy in Aqueous Medium for Structural Analysis of Spinach Photosynthetic Complexes. <i>Plant Physiology</i> , 2015, 169, 1318-1332.	5.5	31
81	Critical role of <i>Chlamydomonas reinhardtii</i> ferredoxin-5 in maintaining membrane structure and dark metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14978-14983.	7.5	65
82	Critical Function of a <i>Chlamydomonas reinhardtii</i> Putative Polyphosphate Polymerase Subunit during Nutrient Deprivation. <i>Plant Cell</i> , 2014, 26, 4214-4229.	7.6	91
83	Alternative Acetate Production Pathways in <i>Chlamydomonas reinhardtii</i> during Dark Anoxia and the Dominant Role of Chloroplasts in Fermentative Acetate Production. <i>Plant Cell</i> , 2014, 26, 4499-4518.	7.6	48
84	Profiling <i>Chlamydomonas</i> Metabolism under Dark, Anoxic H ₂ -Producing Conditions Using a Combined Proteomic, Transcriptomic, and Metabolomic Approach. <i>Journal of Proteome Research</i> , 2014, 13, 5431-5451.	3.4	22
85	The <i>Chlamydomonas</i> genome project: a decade on. <i>Trends in Plant Science</i> , 2014, 19, 672-680.	11.6	166
86	Proton Gradient Regulation 5-Mediated Cyclic Electron Flow under ATP- or Redox-Limited Conditions: A Study of Δ ATPase pgr5 and Δ rbcL pgr5 Mutants in the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2014, 165, 438-452.	5.5	152
87	Nitrogen-Sparing Mechanisms in <i>Chlamydomonas</i> Affect the Transcriptome, the Proteome, and Photosynthetic Metabolism. <i>Plant Cell</i> , 2014, 26, 1410-1435.	7.6	372
88	The GreenCut: re-evaluation of physiological role of previously studied proteins and potential novel protein functions. <i>Photosynthesis Research</i> , 2013, 116, 427-436.	3.4	46
89	Isolation of clonal axenic strains of the symbiotic dinoflagellate <i>Symbiodinium</i> and their growth and host specificity1. <i>Journal of Phycology</i> , 2013, 49, 447-458.	2.9	162
90	Diversity and Abundance of the Bacterial Community of the Red Macroalga <i>Porphyra umbilicalis</i> : Did Bacterial Farmers Produce Macroalgae?. <i>PLoS ONE</i> , 2013, 8, e58269.	2.3	137

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91	Effect of Temperature on Photosynthesis and Growth in Marine <i>Synechococcus</i> spp.. <i>Plant Physiology</i> , 2013, 163, 815-829.	5.5	144
92	Role of Polyphosphate in Thermophilic <i>Synechococcus</i> sp. from Microbial Mats. <i>Journal of Bacteriology</i> , 2013, 195, 3309-3319.	2.9	40
93	Tiered Regulation of Sulfur Deprivation Responses in <i>Chlamydomonas reinhardtii</i> and Identification of an Associated Regulatory Factor Å Å. <i>Plant Physiology</i> , 2013, 162, 195-211.	5.5	37
94	Fermentation metabolism and its evolution in algae. <i>Frontiers in Plant Science</i> , 2013, 4, .	4.1	119
95	The Metabolic Status Drives Acclimation of Iron Deficiency Responses in <i>Chlamydomonas reinhardtii</i> as Revealed by Proteomics Based Hierarchical Clustering and Reverse Genetics. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2774-2790.	3.0	43
96	Novel Thylakoid Membrane GreenCut Protein CPLD38 Impacts Accumulation of the Cytochrome b6f Complex and Associated Regulatory Processes. <i>Journal of Biological Chemistry</i> , 2013, 288, 7024-7036.	2.2	26
97	Retrograde bilin signaling enables <i>Chlamydomonas</i> greening and phototrophic survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3621-3626.	7.5	126
98	A Mutant in the ADH1 Gene of <i>Chlamydomonas reinhardtii</i> Elicits Metabolic Restructuring during Anaerobiosis Å. <i>Plant Physiology</i> , 2012, 158, 1293-1305.	5.5	63
99	Porphyra (Bangiophyceae) Transcriptomes Provide Insights Into Red Algal Development And Metabolism. <i>Journal of Phycology</i> , 2012, 48, 1328-1342.	2.9	59
100	Trafficking of protein into the recently established photosynthetic organelles of <i>Paulinella chromatophora</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5340-5345.	7.5	174
101	Altered Fermentative Metabolism in <i>Chlamydomonas reinhardtii</i> Mutants Lacking Pyruvate Formate Lyase and Both Pyruvate Formate Lyase and Alcohol Dehydrogenase. <i>Plant Cell</i> , 2012, 24, 692-707.	7.6	62
102	Three Acyltransferases and Nitrogen-responsive Regulator Are Implicated in Nitrogen Starvation-induced Triacylglycerol Accumulation in <i>Chlamydomonas</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 15811-15825.	2.2	413
103	Genetic disruption of both <i>Chlamydomonas reinhardtii</i> [FeFe]-hydrogenases: Insight into the role of HYDA2 in H ₂ production. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 704-709.	2.1	100
104	A Flavin Binding Cryptochrome Photoreceptor Responds to Both Blue and Red Light in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2012, 24, 2992-3008.	7.6	175
105	Multiple facets of anoxic metabolism and hydrogen production in the unicellular green alga <i>Chlamydomonas reinhardtii</i> . <i>New Phytologist</i> , 2011, 190, 279-288.	8.1	102
106	Reverse genetics in <i>Chlamydomonas</i> : a platform for isolating insertional mutants. <i>Plant Methods</i> , 2011, 7, .	4.0	90
107	Community ecology of hot spring cyanobacterial mats: predominant populations and their functional potential. <i>ISME Journal</i> , 2011, 5, 1262-1278.	9.1	233
108	In vivo O ₂ measurement inside single photosynthetic cells. <i>Biotechnology Letters</i> , 2011, 33, 1675-1681.	1.9	16

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109	Endosymbiotic Gene Transfer and Transcriptional Regulation of Transferred Genes in <i>Paulinella chromatophora</i> . <i>Molecular Biology and Evolution</i> , 2011, 28, 407-422.	4.7	122
110	The GreenCut2 Resource, a Phylogenomically Derived Inventory of Proteins Specific to the Plant Lineage. <i>Journal of Biological Chemistry</i> , 2011, 286, 21427-21439.	2.2	129
111	Responses of <i>psbA</i> , <i>hli</i> and <i>ptox</i> genes to changes in irradiance in marine <i>Synechococcus</i> and <i>Prochlorococcus</i> . <i>Aquatic Microbial Ecology</i> , 2011, 65, 1-14.	1.0	13
112	Direct Extraction of Photosynthetic Electrons from Single Algal Cells by Nanoprobng System. <i>Nano Letters</i> , 2010, 10, 1137-1143.	8.7	79
113	Phylogenomic analysis of the <i>Chlamydomonas</i> genome unmasks proteins potentially involved in photosynthetic function and regulation. <i>Photosynthesis Research</i> , 2010, 106, 3-17.	3.4	54
114	Binding of Cysteine Synthase to the STAS Domain of Sulfate Transporter and Its Regulatory Consequences. <i>Journal of Biological Chemistry</i> , 2010, 285, 25094-25102.	2.2	69
115	Identification and Regulation of Plasma Membrane Sulfate Transporters in <i>Chlamydomonas</i> . <i>Plant Physiology</i> , 2010, 153, 1653-1668.	5.5	95
116	RNA-Seq Analysis of Sulfur-Deprived <i>Chlamydomonas</i> Cells Reveals Aspects of Acclimation Critical for Cell Survival. <i>Plant Cell</i> , 2010, 22, 2058-2084.	7.6	272
117	In situ dynamics of O ₂ , pH and cyanobacterial transcripts associated with CCM, photosynthesis and detoxification of ROS. <i>ISME Journal</i> , 2010, 5, 317-328.	9.1	62
118	Alternative pathways for phosphonate metabolism in thermophilic cyanobacteria from microbial mats. <i>ISME Journal</i> , 2010, 5, 141-149.	9.1	60
119	Flexibility in Anaerobic Metabolism as Revealed in a Mutant of <i>Chlamydomonas reinhardtii</i> Lacking Hydrogenase Activity. <i>Journal of Biological Chemistry</i> , 2009, 284, 7201-7213.	2.2	96
120	Genetic Interactions Between Regulators of <i>Chlamydomonas</i> Phosphorus and Sulfur Deprivation Responses. <i>Genetics</i> , 2009, 181, 889-905.	4.2	58
121	Picophytoplankton responses to changing nutrient and light regimes during a bloom. <i>Marine Biology</i> , 2009, 156, 1531-1546.	1.6	55
122	An ancient light-harvesting protein is critical for the regulation of algal photosynthesis. <i>Nature</i> , 2009, 462, 518-521.	38.0	680
123	Regulation of <i>nif</i> gene expression and the energetics of N ₂ fixation over the diel cycle in a hot spring microbial mat. <i>ISME Journal</i> , 2008, 2, 364-378.	9.1	143
124	Photoprotection in Cyanobacteria: Regulation of Light Harvesting. <i>Photochemistry and Photobiology</i> , 2008, 84, 1410-1420.	2.7	178
125	UNDERSTANDING NITROGEN LIMITATION IN <i>AUREOCOCCUS ANOPHAGEFFERENS</i> (PELAGOPHYCEAE) THROUGH cDNA AND qRT-PCR ANALYSIS. <i>Journal of Phycology</i> , 2008, 44, 1235-1249.	2.9	58
126	Alternative photosynthetic electron flow to oxygen in marine <i>Synechococcus</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 269-276.	0.9	162

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127	Open micro-fluidic system for atomic force microscopy-guided in situ electrochemical probing of a single cell. <i>Lab on A Chip</i> , 2008, 8, 1460.	5.1	16
128	Phosphorus Deprivation Responses and Phosphonate Utilization in a Thermophilic <i>Synechococcus</i> sp. from Microbial Mats. <i>Journal of Bacteriology</i> , 2008, 190, 8171-8184.	2.9	80
129	The Central Role of a SNRK2 Kinase in Sulfur Deprivation Responses Å Å. <i>Plant Physiology</i> , 2008, 147, 216-227.	5.5	70
130	A Novel Two Domain-Fusion Protein in Cyanobacteria with Similarity to the CAB/ELIP/HLIP Superfamily: Evolutionary Implications and Regulation. <i>Molecular Plant</i> , 2008, 1, 155-166.	18.9	27
131	Ancient Recruitment by Chromists of Green Algal Genes Encoding Enzymes for Carotenoid Biosynthesis. <i>Molecular Biology and Evolution</i> , 2008, 25, 2653-2667.	4.7	146
132	Reversible Oxidation of Spinach Ferredoxin at Surface-Modified Electrodes. <i>Journal of the Electrochemical Society</i> , 2008, 155, B1008.	3.1	9
133	An original adaptation of photosynthesis in the marine green alga <i>Ostreococcus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7881-7886.	7.5	160
134	A photosynthetic strategy for coping in a high-light, low-nutrient environment. <i>Limnology and Oceanography</i> , 2008, 53, 900-913.	3.7	97
135	Open Micro-Fluidic System for Single Cell Trapping and Electrochemical Signal Measurement. <i>ECS Meeting Abstracts</i> , 2008, MA2008-01, 216-216.	0.0	1
136	Conversion of a Plant Chloroplast to Biological Fuel Cells: Nanoscale Electrodes for Monitoring Electron Transfer in Chloroplasts. <i>ECS Meeting Abstracts</i> , 2008, MA2008-01, 215-215.	0.0	1
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