

Sabeeha S Merchant

List of Publications by Year in descending order

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134
papers

14,897
citations

17440

63
h-index

19749

117
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151
all docs

151
docs citations

151
times ranked

13566
citing authors

#	ARTICLE	IF	CITATIONS
1	Chlamydomonas ATX1 is essential for Cu distribution to multiple cuproenzymes and maintenance of biomass in conditions demanding cuproenzyme-dependent metabolic pathways. <i>Plant Direct</i> , 2022, 6, e383.	1.9	5
2	An optimized ChIP-seq framework for profiling histone modifications in <i>Chromochloris zofingiensis</i> . <i>Plant Direct</i> , 2022, 6, e392.	1.9	0
3	Thank you and best wishes to Annette Kessler, peer review manager for <i>The Plant Cell</i> . <i>Plant Cell</i> , 2022, , .	6.6	1
4	Systematic characterization of gene function in the photosynthetic alga <i>Chlamydomonas reinhardtii</i> . <i>Nature Genetics</i> , 2022, 54, 705-714.	21.4	42
5	Simple steps to enable reproducibility: culture conditions affecting <i>Chlamydomonas</i> growth and elemental composition. <i>Plant Journal</i> , 2022, 111, 995-1014.	5.7	7
6	Co-expression networks in <i>Chlamydomonas</i> reveal significant rhythmicity in batch cultures and empower gene function discovery. <i>Plant Cell</i> , 2021, 33, 1058-1082.	6.6	31
7	Widespread polycistronic gene expression in green algae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	30
8	Single-cell RNA sequencing of batch <i>Chlamydomonas</i> cultures reveals heterogeneity in their diurnal cycle phase. <i>Plant Cell</i> , 2021, 33, 1042-1057.	6.6	29
9	Single-cell visualization and quantification of trace metals in <i>Chlamydomonas</i> lysosome-related organelles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	20
10	A pathogenic role for histone H3 copper reductase activity in a yeast model of Friedreich's ataxia. <i>Science Advances</i> , 2021, 7, eabj9889.	10.3	6
11	From economy to luxury: Copper homeostasis in <i>Chlamydomonas</i> and other algae. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118822.	4.1	35
12	Coexpressed subunits of dual genetic origin define a conserved supercomplex mediating essential protein import into chloroplasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32739-32749.	7.1	30
13	An epigenetic gene silencing pathway selectively acting on transgenic DNA in the green alga <i>Chlamydomonas</i> . <i>Nature Communications</i> , 2020, 11, 6269.	12.8	58
14	The histone H3-H4 tetramer is a copper reductase enzyme. <i>Science</i> , 2020, 369, 59-64.	12.6	60
15	An atypical short-chain dehydrogenase/reductase functions in the relaxation of photoprotective qH in <i>Arabidopsis</i> . <i>Nature Plants</i> , 2020, 6, 154-166.	9.3	27
16	The lichen symbiosis re-viewed through the genomes of <i>Cladonia grayi</i> and its algal partner <i>Asterochloris glomerata</i> . <i>BMC Genomics</i> , 2019, 20, 605.	2.8	98
17	Manganese co-localizes with calcium and phosphorus in <i>Chlamydomonas</i> acidocalcisomes and is mobilized in manganese-deficient conditions. <i>Journal of Biological Chemistry</i> , 2019, 294, 17626-17641.	3.4	53
18	Multimics resolution of molecular events during a day in the life of <i>Chlamydomonas</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2374-2383.	7.1	133

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19	The Plant Cell Celebrates 30 Years of Publishing the Best Work in Plant Biology. <i>Plant Cell</i> , 2019, 31, 1-1.	6.6	1
20	A Series of Fortunate Events: Introducing <i>Chlamydomonas</i> as a Reference Organism. <i>Plant Cell</i> , 2019, 31, 1682-1707.	6.6	169
21	Reflections on The Plant Cell Classics. <i>Plant Cell</i> , 2019, 31, 1185-1185.	6.6	0
22	Comparative and Functional Algal Genomics. <i>Annual Review of Plant Biology</i> , 2019, 70, 605-638.	18.7	76
23	Regulation of Oxygenic Photosynthesis during Trophic Transitions in the Green Alga <i>Chromochloris zofingiensis</i> . <i>Plant Cell</i> , 2019, 31, 579-601.	6.6	61
24	Thank You, Editors and Reviewers of The Plant Cell. <i>Plant Cell</i> , 2019, 31, 2807-2812.	6.6	0
25	The Plant Cell Is Accepting Applications for Assistant Features Editors. <i>Plant Cell</i> , 2019, 31, tpc.00787.2019.	6.6	1
26	A Look Back from the Helm of The Plant Cell. <i>Plant Cell</i> , 2019, 31, 2813-2813.	6.6	1
27	Using YFP as a Reporter of Gene Expression in the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Methods in Molecular Biology</i> , 2018, 1755, 135-148.	0.9	0
28	RAF2 is a RuBisCO assembly factor in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2018, 94, 146-156.	5.7	22
29	The Plant Cell Welcomes Assistant Features Editors. <i>Plant Cell</i> , 2018, 30, 1-2.	6.6	5
30	High-throughput sequencing of the chloroplast and mitochondrion of <i>Chlamydomonas reinhardtii</i> to generate improved <i>de novo</i> assemblies, analyze expression patterns and transcript speciation, and evaluate diversity among laboratory strains and wild isolates. <i>Plant Journal</i> , 2018, 93, 545-565.	5.7	90
31	Thank You, Editors and Reviewers of <i>The Plant Cell</i> . <i>Plant Cell</i> , 2018, 30, 2873-2879.	6.6	0
32	A Gelatin Microdroplet Platform for High-throughput Sorting of Hyperproducing Single-Cell-Derived Microalgal Clones. <i>Small</i> , 2018, 14, e1803315.	10.0	52
33	In situ architecture of the algal nuclear pore complex. <i>Nature Communications</i> , 2018, 9, 2361.	12.8	107
34	Chromosome-level genome assembly and transcriptome of the green alga <i>Chromochloris zofingiensis</i> illuminates astaxanthin production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4296-E4305.	7.1	131
35	<i>Chlamydomonas reinhardtii</i> LFO1 Is an IsdG Family Heme Oxygenase. <i>MSphere</i> , 2017, 2, .	2.9	15
36	Bilin-Dependent Photoacclimation in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2017, 29, 2711-2726.	6.6	36

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37	Journal Impact: Brave New World. <i>Plant Cell</i> , 2017, 29, 2071-2074.	6.6	0
38	Regulating cellular trace metal economy in algae. <i>Current Opinion in Plant Biology</i> , 2017, 39, 88-96.	7.1	52
39	Endoplasmic reticulum-mitochondria junction is required for iron homeostasis. <i>Journal of Biological Chemistry</i> , 2017, 292, 13197-13204.	3.4	40
40	Algae as nutritional and functional food sources: revisiting our understanding. <i>Journal of Applied Phycology</i> , 2017, 29, 949-982.	2.8	984
41	Thank You, Editors and Reviewers of <i>The Plant Cell</i> . <i>Plant Cell</i> , 2017, 29, 2941-2947.	6.6	0
42	A bioactive peptide amidating enzyme is required for ciliogenesis. <i>ELife</i> , 2017, 6, .	6.0	28
43	Genome and methylome of the oleaginous diatom <i>Cyclotella cryptica</i> reveal genetic flexibility toward a high lipid phenotype. <i>Biotechnology for Biofuels</i> , 2016, 9, 258.	6.2	87
44	Ni induces the CRR1-dependent regulon revealing overlap and distinction between hypoxia and Cu deficiency responses in <i>Chlamydomonas reinhardtii</i> . <i>Metallomics</i> , 2016, 8, 679-691.	2.4	27
45	Genetically Programmed Changes in Photosynthetic Cofactor Metabolism in Copper-deficient <i>Chlamydomonas</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 19118-19131.	3.4	13
46	<i>The Plant Cell</i> Begins Opt-in Publishing of Peer Review Reports. <i>Plant Cell</i> , 2016, 28, 2343-2343.	6.6	2
47	Exploiting algal NADPH oxidase for biophotovoltaic energy. <i>Plant Biotechnology Journal</i> , 2016, 14, 22-28.	8.3	37
48	Early eukaryotic origins for cilia-associated bioactive peptide amidating activity. <i>Journal of Cell Science</i> , 2016, 129, 943-56.	2.0	24
49	Copper status of exposed microorganisms influences susceptibility to metallic nanoparticles. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1148-1158.	4.3	7
50	Genome-wide analysis on <i>Chlamydomonas reinhardtii</i> reveals the impact of hydrogen peroxide on protein stress responses and overlap with other stress transcriptomes. <i>Plant Journal</i> , 2015, 84, 974-988.	5.7	55
51	The <i>Plant Cell</i> in the New Age of Scientific Publishing. <i>Plant Cell</i> , 2015, 27, 303-305.	6.6	2
52	Dissecting the contributions of GC content and codon usage to gene expression in the model alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2015, 84, 704-717.	5.7	113
53	The Thylakoid Membrane Protein CGL160 Supports CF1CF0 ATP Synthase Accumulation in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2015, 10, e0121658.	2.5	29
54	A Dedicated Type II NADPH Dehydrogenase Performs the Penultimate Step in the Biosynthesis of Vitamin K1 in <i>Synechocystis</i> and <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015, 27, 1730-1741.	6.6	50

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55	Identification of Coq11, a New Coenzyme Q Biosynthetic Protein in the CoQ-Synthome in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 7517-7534.	3.4	65
56	The Plant Cell Introduces Breakthrough Reports: A New Forum for Cutting-Edge Plant Research. <i>Plant Cell</i> , 2015, , tpc.15.00862.	6.6	1
57	Copper economy in <i>Chlamydomonas</i> : Prioritized allocation and reallocation of copper to respiration vs. photosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2644-2651.	7.1	79
58	PHOTOSYSTEM II PROTEIN33, a Protein Conserved in the Plastid Lineage, Is Associated with the Chloroplast Thylakoid Membrane and Provides Stability to Photosystem II Supercomplexes in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 167, 481-492.	4.8	46
59	Activation of Autophagy by Metals in <i>Chlamydomonas reinhardtii</i> . <i>Eukaryotic Cell</i> , 2015, 14, 964-973.	3.4	29
60	Redesigning photosynthesis to sustainably meet global food and bioenergy demand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8529-8536.	7.1	751
61	Dynamic changes in the transcriptome and methylome of <i>Chlamydomonas reinhardtii</i> throughout its life cycle. <i>Plant Physiology</i> , 2015, 169, pp.00861.2015.	4.8	51
62	<i>Chlamydomonas</i> Genome Resource for Laboratory Strains Reveals a Mosaic of Sequence Variation, Identifies True Strain Histories, and Enables Strain-Specific Studies. <i>Plant Cell</i> , 2015, 27, 2335-2352.	6.6	102
63	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.	7.1	58
64	High-Resolution Profiling of a Synchronized Diurnal Transcriptome from <i>Chlamydomonas reinhardtii</i> Reveals Continuous Cell and Metabolic Differentiation. <i>Plant Cell</i> , 2015, 27, 2743-69.	6.6	195
65	Interpretation of the Genome in Synchronized <i>Chlamydomonas</i> Cells. <i>FASEB Journal</i> , 2015, 29, 485.1.	0.5	0
66	Evolution of a plant-specific copper chaperone family for chloroplast copper homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5480-7.	7.1	57
67	A Thylakoid Membrane Protein Harboring a DnaJ-type Zinc Finger Domain Is Required for Photosystem I Accumulation in Plants. <i>Journal of Biological Chemistry</i> , 2014, 289, 30657-30667.	3.4	64
68	Subcellular metal imaging identifies dynamic sites of Cu accumulation in <i>Chlamydomonas</i> . <i>Nature Chemical Biology</i> , 2014, 10, 1034-1042.	8.0	143
69	The Path to Triacylglyceride Obesity in the <i>sta6</i> Strain of <i>Chlamydomonas reinhardtii</i> . <i>Eukaryotic Cell</i> , 2014, 13, 591-613.	3.4	143
70	Lysosome-related Organelles as Mediators of Metal Homeostasis. <i>Journal of Biological Chemistry</i> , 2014, 289, 28129-28136.	3.4	114
71	RBF1, a Plant Homolog of the Bacterial Ribosome-Binding Factor RbfA, Acts in Processing of the Chloroplast 16S Ribosomal RNA. <i>Plant Physiology</i> , 2014, 164, 201-215.	4.8	48
72	The <i>Chlamydomonas</i> genome project: a decade on. <i>Trends in Plant Science</i> , 2014, 19, 672-680.	8.8	145

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73	Nitrogen-Sparing Mechanisms in <i>Chlamydomonas</i> Affect the Transcriptome, the Proteome, and Photosynthetic Metabolism. <i>Plant Cell</i> , 2014, 26, 1410-1435.	6.6	314
74	Phosphoprotein SAK1 is a regulator of acclimation to singlet oxygen in <i>Chlamydomonas reinhardtii</i> . <i>ELife</i> , 2014, 3, e02286.	6.0	45
75	Systems-Level Analysis of Nitrogen Starvation-Induced Modifications of Carbon Metabolism in a <i>Chlamydomonas reinhardtii</i> Starchless Mutant. <i>Plant Cell</i> , 2013, 25, 4305-4323.	6.6	176
76	Functional Modeling Identifies Paralogous Solanesyl-diphosphate Synthases That Assemble the Side Chain of Plastoquinone-9 in Plastids. <i>Journal of Biological Chemistry</i> , 2013, 288, 27594-27606.	3.4	44
77	Remodeling of Membrane Lipids in Iron-starved <i>Chlamydomonas</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 30246-30258.	3.4	77
78	COPPER RESPONSE REGULATOR1-Dependent and -Independent Responses of the <i>Chlamydomonas reinhardtii</i> Transcriptome to Dark Anoxia. <i>Plant Cell</i> , 2013, 25, 3186-3211.	6.6	77
79	Iron economy in <i>Chlamydomonas reinhardtii</i> . <i>Frontiers in Plant Science</i> , 2013, 4, 337.	3.6	65
80	The Proteome of Copper, Iron, Zinc, and Manganese Micronutrient Deficiency in <i>Chlamydomonas reinhardtii</i> . <i>Molecular and Cellular Proteomics</i> , 2013, 12, 65-86.	3.8	85
81	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.	7.1	107
82	Zinc Deficiency Impacts CO ₂ Assimilation and Disrupts Copper Homeostasis in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 10672-10683.	3.4	72
83	Fe Sparing and Fe Recycling Contribute to Increased Superoxide Dismutase Capacity in Iron-Starved <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2012, 24, 2649-2665.	6.6	82
84	Impact of Oxidative Stress on Ascorbate Biosynthesis in <i>Chlamydomonas</i> via Regulation of the VTC2 Gene Encoding a GDP-l-galactose Phosphorylase. <i>Journal of Biological Chemistry</i> , 2012, 287, 14234-14245.	3.4	93
85	Systems and Trans-System Level Analysis Identifies Conserved Iron Deficiency Responses in the Plant Lineage. <i>Plant Cell</i> , 2012, 24, 3921-3948.	6.6	142
86	Transcriptome Sequencing Identifies SPL7-Regulated Copper Acquisition Genes <i>FRO4</i> and <i>FRO5</i> and the Copper Dependence of Iron Homeostasis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 738-761.	6.6	286
87	TAG, You're it! <i>Chlamydomonas</i> as a reference organism for understanding algal triacylglycerol accumulation. <i>Current Opinion in Biotechnology</i> , 2012, 23, 352-363.	6.6	291
88	Elemental Economy. <i>Advances in Microbial Physiology</i> , 2012, 60, 91-210.	2.4	180
89	Transcriptome-Wide Changes in <i>Chlamydomonas reinhardtii</i> Gene Expression Regulated by Carbon Dioxide and the CO ₂ -Concentrating Mechanism Regulator <i>CIA5</i> / <i>CCM1</i> . <i>Plant Cell</i> , 2012, 24, 1876-1893.	6.6	180
90	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.	3.4	379

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91	The ins and outs of algal metal transport. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 1531-1552.	4.1	173
92	A revised mineral nutrient supplement increases biomass and growth rate in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2011, 66, 770-780.	5.7	282
93	Algal Functional Annotation Tool: a web-based analysis suite to functionally interpret large gene lists using integrated annotation and expression data. <i>BMC Bioinformatics</i> , 2011, 12, 282.	2.6	84
94	The CRR1 Nutritional Copper Sensor in <i>Chlamydomonas</i> Contains Two Distinct Metal-Responsive Domains. <i>Plant Cell</i> , 2011, 22, 4098-4113.	6.6	93
95	The GreenCut2 Resource, a Phylogenomically Derived Inventory of Proteins Specific to the Plant Lineage. <i>Journal of Biological Chemistry</i> , 2011, 286, 21427-21439.	3.4	113
96	Systems Biology Approach in <i>Chlamydomonas</i> Reveals Connections between Copper Nutrition and Multiple Metabolic Steps. <i>Plant Cell</i> , 2011, 23, 1273-1292.	6.6	204
97	Enzymatic properties of the ferredoxin-dependent nitrite reductase from <i>Chlamydomonas reinhardtii</i> . Evidence for hydroxylamine as a late intermediate in ammonia production. <i>Photosynthesis Research</i> , 2010, 103, 67-77.	2.9	35
98	Phylogenomic analysis of the <i>Chlamydomonas</i> genome unmask proteins potentially involved in photosynthetic function and regulation. <i>Photosynthesis Research</i> , 2010, 106, 3-17.	2.9	51
99	Trophic status of <i>Chlamydomonas reinhardtii</i> influences the impact of iron deficiency on photosynthesis. <i>Photosynthesis Research</i> , 2010, 105, 39-49.	2.9	80
100	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.	6.6	253
101	The Elements of Plant Micronutrients. <i>Plant Physiology</i> , 2010, 154, 512-515.	4.8	69
102	His protects heme as it crosses the membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10069-10070.	7.1	16
103	Pattern of Expression and Substrate Specificity of Chloroplast Ferredoxins from <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 25867-25878.	3.4	122
104	Two <i>Chlamydomonas</i> CTR Copper Transporters with a Novel Cys-Met Motif Are Localized to the Plasma Membrane and Function in Copper Assimilation. <i>Plant Cell</i> , 2009, 21, 928-943.	6.6	94
105	A Ferroxidase Encoded by <i>FOX1</i> Contributes to Iron Assimilation under Conditions of Poor Iron Nutrition in <i>Chlamydomonas</i> . <i>Eukaryotic Cell</i> , 2008, 7, 541-545.	3.4	33
106	<i>FER1</i> and <i>FER2</i> Encoding Two Ferritin Complexes in <i>Chlamydomonas reinhardtii</i> Chloroplasts Are Regulated by Iron. <i>Genetics</i> , 2008, 179, 137-147.	2.9	57
107	Manganese Deficiency in <i>Chlamydomonas</i> Results in Loss of Photosystem II and MnSOD Function, Sensitivity to Peroxides, and Secondary Phosphorus and Iron Deficiency. <i>Plant Physiology</i> , 2007, 143, 263-277.	4.8	149
108	<i>FEA1</i> , <i>FEA2</i> , and <i>FRE1</i> , Encoding Two Homologous Secreted Proteins and a Candidate Ferrireductase, Are Expressed Coordinately with <i>FOX1</i> and <i>FTR1</i> in Iron-Deficient <i>Chlamydomonas reinhardtii</i> . <i>Eukaryotic Cell</i> , 2007, 6, 1841-1852.	3.4	121

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109	The <i>Chlamydomonas</i> Genome Reveals the Evolution of Key Animal and Plant Functions. <i>Science</i> , 2007, 318, 245-250.	12.6	2,354
110	Precious metal economy. <i>Cell Metabolism</i> , 2006, 4, 99-101.	16.2	4
111	Between a rock and a hard place: Trace element nutrition in <i>Chlamydomonas</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 578-594.	4.1	202
112	A regulator of nutritional copper signaling in <i>Chlamydomonas</i> is an SBP domain protein that recognizes the GTAC core of copper response element. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18730-18735.	7.1	292
113	The Light Reactions: A Guide to Recent Acquisitions for the Picture Gallery. <i>Plant Cell</i> , 2005, 17, 648-663.	6.6	86
114	Genetic Dissection of Nutritional Copper Signaling in <i>Chlamydomonas</i> Distinguishes Regulatory and Target Genes. <i>Genetics</i> , 2004, 168, 795-807.	2.9	82
115	<i>Arabidopsis</i> CHL27, located in both envelope and thylakoid membranes, is required for the synthesis of protochlorophyllide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 16119-16124.	7.1	195
116	Copper Response Element and Crr1-Dependent Ni ²⁺ -Responsive Promoter for Induced, Reversible Gene Expression in <i>Chlamydomonas reinhardtii</i> . <i>Eukaryotic Cell</i> , 2003, 2, 995-1002.	3.4	62
117	Essential Histidine and Tryptophan Residues in CcsA, a System II Polytropic Cytochrome c Biogenesis Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 2593-2603.	3.4	66
118	Reciprocal Expression of Two Candidate Di-Iron Enzymes Affecting Photosystem I and Light-Harvesting Complex Accumulation. <i>Plant Cell</i> , 2002, 14, 673-688.	6.6	136
119	Copper-Dependent Iron Assimilation Pathway in the Model Photosynthetic Eukaryote <i>Chlamydomonas reinhardtii</i> . <i>Eukaryotic Cell</i> , 2002, 1, 736-757.	3.4	184
120	Adaptation to Fe-deficiency requires remodeling of the photosynthetic apparatus. <i>EMBO Journal</i> , 2002, 21, 6709-6720.	7.8	240
121	The Crd1 gene encodes a putative di-iron enzyme required for photosystem I accumulation in copper deficiency and hypoxia in <i>Chlamydomonas reinhardtii</i> . <i>EMBO Journal</i> , 2000, 19, 2139-2151.	7.8	170
122	Coordinate Copper- and Oxygen-responsive Cyc6 and Cpx1 Expression in <i>Chlamydomonas</i> Is Mediated by the Same Element. <i>Journal of Biological Chemistry</i> , 2000, 275, 6080-6089.	3.4	114
123	ADAPTATION OF SCENEDESMUS OBLIQUUS (CHLOROPHYCEAE) TO COPPER-DEFICIENCY: TRANSCRIPTIONAL REGULATION OF PCY1 BUT NOT CPX1. <i>Journal of Phycology</i> , 1999, 35, 1253-1263.	2.3	3
124	Mmicular mechanisms of cytochrome biogenesis: three distinct systems. <i>Molecular Microbiology</i> , 1998, 29, 383-396.	2.5	266
125	[18] Copper-responsive gene expression during adaptation to copper deficiency. <i>Methods in Enzymology</i> , 1998, 297, 263-279.	1.0	75
126	POSTTRANSLATIONAL ASSEMBLY OF PHOTOSYNTHETIC METALLOPROTEINS. <i>Annual Review of Plant Biology</i> , 1998, 49, 25-51.	14.3	80

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127	Genetic Analysis of Chloroplast c-Type Cytochrome Assembly in <i>Chlamydomonas reinhardtii</i> : One Chloroplast Locus and at Least Four Nuclear Loci Are Required for Heme Attachment. <i>Genetics</i> , 1998, 148, 681-692.	2.9	68
128	Biosynthesis of cytochrome f in <i>Chlamydomonas reinhardtii</i> : analysis of the pathway in gabaculine-treated cells and in the heme attachment mutant B6. <i>Molecular Genetics and Genomics</i> , 1995, 246, 156-165.	2.4	36
129	Two Copper-Responsive Elements Associated with the <i>Chlamydomonas</i> Cyc6 Gene Function as Targets for Transcriptional Activators. <i>Plant Cell</i> , 1995, 7, 623.	6.6	40
130	Degradation of Plastocyanin in Copper-deficient <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 23504-23510.	3.4	77
131	In Vivo Competition between Plastocyanin and a Copper-Dependent Regulator of the <i>Chlamydomonas reinhardtii</i> Cytochrome <i>c</i> ₆ Gene. <i>Plant Physiology</i> , 1992, 100, 319-326.	4.8	33
132	Heavy Metal-Activated Synthesis of Peptides in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 1992, 98, 127-136.	4.8	139
133	Synthesis and Turnover of the Chloroplast Coupling Factor 1 in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 1984, 75, 781-787.	4.8	19
134	Isolation, purification, and characterization of coupling factor 1 from <i>Chlamydomonas reinhardtii</i> . <i>Biochemistry</i> , 1981, 20, 5476-5482.	2.5	62