

# Michael Hippler

## List of Publications by Year in descending order

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149  
papers

12,195  
citations

29994

54  
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29081

104  
g-index

168  
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168  
docs citations

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times ranked

11186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using <i>Caenorhabditis elegans</i> to produce functional secretory proteins of parasitic nematodes. <i>Acta Tropica</i> , 2022, 225, 106176.	0.9	3
2	Structural analysis revealed a novel conformation of the NTRC reductase domain from <i>Chlamydomonas reinhardtii</i> . <i>Journal of Structural Biology</i> , 2022, 214, 107829.	1.3	5
3	Electron transfer via cytochrome b6f complex displays sensitivity to antimycin A upon STT7 kinase activation. <i>Biochemical Journal</i> , 2022, 479, 111-127.	1.7	8
4	Photosystem I light-harvesting proteins regulate photosynthetic electron transfer and hydrogen production. <i>Plant Physiology</i> , 2022, 189, 329-343.	2.3	8
5	Enhanced chloroplast-mitochondria crosstalk promotes ambient algal-H <sub>2</sub> production. <i>Cell Reports Physical Science</i> , 2022, 3, 100828.	2.8	8
6	Hydrogen production in the presence of oxygen by <i>Escherichia coli</i> K-12. <i>Microbiology (United Kingdom)</i> , 2021, 165, 100000.	0.7	9
7	SugarPy facilitates the universal, discovery-driven analysis of intact glycopeptides. <i>Bioinformatics</i> , 2021, 36, 5330-5336.	1.8	9
8	The Plasticity of Photosystem I. <i>Plant and Cell Physiology</i> , 2021, 62, 1073-1081.	1.5	19
9	Crystallographic analysis and phasing of iron-assimilating protein 1 (FEA1) from <i>Chlamydomonas reinhardtii</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2021, 77, 134-139.	0.4	0
10	Structure of plant photosystem I-plastocyanin complex reveals strong hydrophobic interactions. <i>Biochemical Journal</i> , 2021, 478, 2371-2384.	1.7	15
11	Photosynthesis and Chloroplast Regulation – Balancing Photosynthesis and Photoprotection under Changing Environments. <i>Plant and Cell Physiology</i> , 2021, 62, 1059-1062.	1.5	3
12	Functional basis of electron transport within photosynthetic complex I. <i>Nature Communications</i> , 2021, 12, 5387.	5.8	13
13	Tuning the properties of hydrogen-bonded block copolymer worm gels prepared via polymerization-induced self-assembly. <i>Chemical Science</i> , 2021, 12, 12082-12091.	3.7	11
14	Advanced spectroscopic analysis and <sup>15</sup> N-isotopic labelling study of nitrate and nitrite reduction to ammonia and nitrous oxide by <i>E. coli</i> . <i>Analyst</i> , 2021, 146, 7021-7033.	1.7	7
15	Calcium sensing via EF-hand 4 enables thioredoxin activity in the sensor-responder protein calredoxin in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 170-180.	1.6	8
16	Multiple xylosyltransferases heterogeneously xylosylate protein-linked glycans in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2020, 102, 230-245.	2.8	37
17	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.	3.3	30
18	On-line analysis and in situ pH monitoring of mixed acid fermentation by <i>Escherichia coli</i> using combined FTIR and Raman techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7307-7319.	1.9	13

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19	Chloroplasts require glutathione reductase to balance reactive oxygen species and maintain efficient photosynthesis. <i>Plant Journal</i> , 2020, 103, 1140-1154.	2.8	47
20	The Archaeal Proteome Project advances knowledge about archaeal cell biology through comprehensive proteomics. <i>Nature Communications</i> , 2020, 11, 3145.	5.8	40
21	PsbS contributes to photoprotection in <i>Chlamydomonas reinhardtii</i> independently of energy dissipation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148183.	0.5	29
22	PGR5 is required for efficient Q cycle in the cytochrome <i>b<sub>6</sub>f</i> complex during cyclic electron flow. <i>Biochemical Journal</i> , 2020, 477, 1631-1650.	1.7	50
23	Altered N-glycan composition impacts flagella-mediated adhesion in <i>Chlamydomonas reinhardtii</i> . <i>ELife</i> , 2020, 9, .	2.8	10
24	Cavity-Enhanced Raman and Helmholtz Resonator Photoacoustic Spectroscopy to Monitor the Mixed Sugar Metabolism of <i>E. coli</i> . <i>Analytical Chemistry</i> , 2019, 91, 13096-13104.	3.2	14
25	Diode laser photoacoustic spectroscopy of CO <sub>2</sub> , H <sub>2</sub> S and O <sub>2</sub> in a differential Helmholtz resonator for trace gas analysis in the biosciences and petrochemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3777-3787.	1.9	18
26	A new approach for improving microalgal biohydrogen photoproduction based on safe & fast oxygen consumption. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 17835-17844.	3.8	28
27	Light-dependent N-terminal phosphorylation of LHCSR3 and LHCB4 are interlinked in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2019, 99, 877-894.	2.8	20
28	Modulation of ABA responses by the protein kinase WNK8. <i>FEBS Letters</i> , 2019, 593, 339-351.	1.3	10
29	Fine-tuning of RBOHF activity is achieved by differential phosphorylation and Ca <sup>2+</sup> binding. <i>New Phytologist</i> , 2019, 221, 1935-1949.	3.5	111
30	Structure and function of photosystem I in Cyanidioschyzon merolae. <i>Photosynthesis Research</i> , 2019, 139, 499-508.	1.6	65
31	Novel Insights Into N-Glycan Fucosylation and Core Xylosylation in <i>C. reinhardtii</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1686.	1.7	18
32	Advances and current challenges in calcium signaling. <i>New Phytologist</i> , 2018, 218, 414-431.	3.5	423
33	Mitochondria Affect Photosynthetic Electron Transport and Photosensitivity in a Green Alga. <i>Plant Physiology</i> , 2018, 176, 2305-2314.	2.3	39
34	N-Glycoproteomic Characterization of Mannosidase and Xylosyltransferase Mutant Strains of <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2018, 176, 1952-1964.	2.3	37
35	Absolute quantification of selected photosynthetic electron transfer proteins in <i>Chlamydomonas reinhardtii</i> in the presence and absence of oxygen. <i>Photosynthesis Research</i> , 2018, 137, 281-293.	1.6	19
36	Configuration of Ten Light-Harvesting Chlorophyll <i>a</i> / <i>b</i> Complex I Subunits in <i>Chlamydomonas reinhardtii</i> Photosystem I. <i>Plant Physiology</i> , 2018, 178, 583-595.	2.3	62

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37	The labile interactions of cyclic electron flow effector proteins. <i>Journal of Biological Chemistry</i> , 2018, 293, 17559-17573.	1.6	23
38	Structure of a PSI-LHCI-cyt b <sub>6</sub> f supercomplex in <i>Chlamydomonas reinhardtii</i> promoting cyclic electron flow under anaerobic conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10517-10522.	3.3	64
39	The transcriptomic and proteomic responses of <i>Daphnia pulex</i> to changes in temperature and food supply comprise environment-specific and clone-specific elements. <i>BMC Genomics</i> , 2018, 19, 376.	1.2	19
40	A thiol-reactive Ru(II) ion, not CO release, underlies the potent antimicrobial and cytotoxic properties of CO-releasing molecule-3. <i>Redox Biology</i> , 2018, 18, 114-123.	3.9	77
41	X-ray crystallographic and high-speed AFM studies of peroxiredoxin 1 from <i>Chlamydomonas reinhardtii</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018, 74, 86-91.	0.4	8
42	Helmholtz resonator diode laser photoacoustic spectroscopy for trace gas analysis in the environment and the biosciences., 2018, , .		1
43	Cavity-Enhanced Raman Spectroscopy in the Biosciences: In Situ, Multicomponent, and Isotope Selective Gas Measurements To Study Hydrogen Production and Consumption by <i>Escherichia coli</i> . <i>Analytical Chemistry</i> , 2017, 89, 2147-2154.	3.2	27
44	Temperature-Induced Remodeling of the Photosynthetic Machinery Tunes Photosynthesis in the Thermophilic Alga <i>Cyanidioschyzon merolae</i> . <i>Plant Physiology</i> , 2017, 174, 35-46.	2.3	21
45	pyQms enables universal and accurate quantification of mass spectrometry data. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1736-1745.	2.5	35
46	Identification of methylated GnTII-dependent N-glycans in <i>Botryococcus brauni</i> . <i>New Phytologist</i> , 2017, 215, 1361-1369.	3.5	35
47	Association of Ferredoxin:NADP <sup>+</sup> oxidoreductase with the photosynthetic apparatus modulates electron transfer in <i>Chlamydomonas reinhardtii</i> . <i>Photosynthesis Research</i> , 2017, 134, 291-306.	1.6	52
48	Conservation of core complex subunits shaped the structure and function of photosystem I in the secondary endosymbiont alga <i>Nannochloropsis gaditana</i> . <i>New Phytologist</i> , 2017, 213, 714-726.	3.5	27
49	Bioenergetic Pathways in the Chloroplast: Photosynthetic Electron Transfer. <i>Microbiology Monographs</i> , 2017, , 97-134.	0.3	1
50	Comparative transcriptome and proteome analysis reveals a global impact of the nitrogen regulators AreA and AreB on secondary metabolism in <i>Fusarium fujikuroi</i> . <i>PLoS ONE</i> , 2017, 12, e0176194.	1.1	35
51	Dynamic NMR and Quantum-Chemical Study of the Stereochemistry and Stability of the Chiral MoO <sub>2</sub> (acac) <sub>2</sub> Complex in Solution. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6677-6687.	1.1	6
52	Calredoxin represents a novel type of calcium-dependent sensor-responder connected to redox regulation in the chloroplast. <i>Nature Communications</i> , 2016, 7, 11847.	5.8	45
53	Antimicrobial Activity of the Manganese Photoactivated Carbon Monoxide-Releasing Molecule [Mn(CO) <sub>3</sub> (tpa- <sup>18</sup> ) <sup>3+</sup> ] <sup>+</sup> Against a Pathogenic <i>Escherichia coli</i> that Causes Urinary Infections. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 765-780.	2.5	56
54	Identification of <i>Haloferax volcanii</i> Pilin N-Glycans with Diverse Roles in Pilus Biosynthesis, Adhesion, and Microcolony Formation. <i>Journal of Biological Chemistry</i> , 2016, 291, 10602-10614.	1.6	52

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55	Coordination Polymer Flexibility Leads to Polymorphism and Enables a Crystalline Solidâ€“Vapour Reaction: A Multiâ€“technique Mechanistic Study. <i>Chemistry - A European Journal</i> , 2015, 21, 8799-8811.	1.7	25
56	Deletion of Proton Gradient Regulation 5 (PGR5) and PGR5-Like 1 (PGRL1) proteins promote sustainable light-driven hydrogen production in <i>Chlamydomonas reinhardtii</i> due to increased PSII activity under sulfur deprivation. <i>Frontiers in Plant Science</i> , 2015, 6, 892.	1.7	67
57	PHOTOSYSTEM II SUBUNIT R Is Required for Efficient Binding of LIGHT-HARVESTING COMPLEX STRESS-RELATED PROTEIN3 to Photosystem II-Light-Harvesting Supercomplexes in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2015, 167, 1566-1578.	2.3	47
58	Calcium-dependent regulation of photosynthesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 993-1003.	0.5	158
59	STATE TRANSITION7-Dependent Phosphorylation Is Modulated by Changing Environmental Conditions, and Its Absence Triggers Remodeling of Photosynthetic Protein Complexes. <i>Plant Physiology</i> , 2015, 168, 615-634.	2.3	67
60	Novel insights into the function of LHCSR3 in <i>Chlamydomonas reinhardtii</i> . <i>Plant Signaling and Behavior</i> , 2015, 10, e1058462.	1.2	8
61	Cavity-Enhanced Raman Spectroscopy of Natural Gas with Optical Feedback cw-Diode Lasers. <i>Analytical Chemistry</i> , 2015, 87, 7803-7809.	3.2	95
62	Posttranslational Modifications of FERREDOXIN-NADP+ OXIDOREDUCTASE in <i>Arabidopsis</i> Chloroplasts. <i>Plant Physiology</i> , 2014, 166, 1764-1776.	2.3	25
63	Lack of isocitrate lyase in <i>Chlamydomonas</i> leads to changes in carbon metabolism and in the response to oxidative stress under mixotrophic growth. <i>Plant Journal</i> , 2014, 77, 404-417.	2.8	73
64	Proton Gradient Regulation 5-Mediated Cyclic Electron Flow under ATP- or Redox-Limited Conditions: A Study of <i>ATPase pgr5</i> and <i>rbcL pgr5</i> Mutants in the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2014, 165, 438-452.	2.3	127
65	Proton Gradient Regulation5-Like1-Mediated Cyclic Electron Flow Is Crucial for Acclimation to Anoxia and Complementary to Nonphotochemical Quenching in Stress Adaptation. <i>Plant Physiology</i> , 2014, 165, 1604-1617.	2.3	54
66	A New Approach for the Comparative Analysis of Multiprotein Complexes Based on <sup>15</sup> N Metabolic Labeling and Quantitative Mass Spectrometry. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	3
67	Exploring the N-glycosylation Pathway in <i>Chlamydomonas reinhardtii</i> Unravels Novel Complex Structures. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3160-3183.	2.5	99
68	Deciphering the Cryptic Genome: Genome-wide Analyses of the Rice Pathogen <i>Fusarium fujikuroi</i> Reveal Complex Regulation of Secondary Metabolism and Novel Metabolites. <i>PLoS Pathogens</i> , 2013, 9, e1003475.	2.1	406
69	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.	2.5	41
70	Calcium-dependent regulation of cyclic photosynthetic electron transfer by a CAS, ANR1, and PGRL1 complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17717-17722.	3.3	151
71	Genome and low-iron response of an oceanic diatom adapted to chronic iron limitation. <i>Genome Biology</i> , 2012, 13, R66.	13.9	224
72	Residues PsaB Asp612 and PsaB Glu613 of Photosystem I Confer pH-Dependent Binding of Plastocyanin and Cytochrome <i>c6</i> . <i>Biochemistry</i> , 2012, 51, 7297-7303.	1.2	25

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73	PredAlgo: A New Subcellular Localization Prediction Tool Dedicated to Green Algae. <i>Molecular Biology and Evolution</i> , 2012, 29, 3625-3639.	3.5	270
74	Phosphorylation of Calcineurin B-like (CBL) Calcium Sensor Proteins by Their CBL-interacting Protein Kinases (CIPKs) Is Required for Full Activity of CBL-CIPK Complexes toward Their Target Proteins. <i>Journal of Biological Chemistry</i> , 2012, 287, 7956-7968.	1.6	179
75	pymzMLâ€”Python module for high-throughput bioinformatics on mass spectrometry data. <i>Bioinformatics</i> , 2012, 28, 1052-1053.	1.8	76
76	Cavity-enhanced Raman spectroscopy with optical feedback cw diode lasers for gas phase analysis and spectroscopy. <i>Analyst, The</i> , 2012, 137, 4669.	1.7	95
77	Trace gas detection of molecular hydrogen H2 by photoacoustic stimulated Raman spectroscopy (PARS). <i>Analyst, The</i> , 2012, 137, 1384.	1.7	16
78	Protein Phosphorylation Is a Key Event of Flagellar Disassembly Revealed by Analysis of Flagellar Phosphoproteins during Flagellar Shortening in <i>Chlamydomonas</i> . <i>Journal of Proteome Research</i> , 2011, 10, 3830-3839.	1.8	27
79	The structure and function of eukaryotic photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 864-877.	0.5	119
80	The chloroplast proteome: a survey from the <i>Chlamydomonas reinhardtii</i> perspective with a focus on distinctive features. <i>Current Genetics</i> , 2011, 57, 151-168.	0.8	135
81	Concerted action of the new Genomic Peptide Finder and AUGUSTUS allows for automated proteogenomic annotation of the <i>Chlamydomonas reinhardtii</i> genome. <i>Proteomics</i> , 2011, 11, 1814-1823.	1.3	16
82	The Chloroplast Calcium Sensor CAS Is Required for Photoacclimation in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2011, 23, 2950-2963.	3.1	145
83	Proteomics to go: Proteomatic enables the user-friendly creation of versatile MS/MS data evaluation workflows. <i>Bioinformatics</i> , 2011, 27, 1183-1184.	1.8	32
84	Control of Hydrogen Photoproduction by the Proton Gradient Generated by Cyclic Electron Flow in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2011, 23, 2619-2630.	3.1	176
85	Inexpensive Raman Spectrometer for Undergraduate and Graduate Experiments and Research. <i>Journal of Chemical Education</i> , 2010, 87, 326-330.	1.1	32
86	The composition and structure of photosystem I-associated antenna from <i>Cyanidioschyzon merolae</i> . <i>Plant Journal</i> , 2010, 62, 886-897.	2.8	54
87	Characterizing the Anaerobic Response of <i>Chlamydomonas reinhardtii</i> by Quantitative Proteomics. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1514-1532.	2.5	162
88	A Novel Replicative Enzyme Encoded by the Linear <i>Arthrobacter</i> Plasmid pAL1. <i>Journal of Bacteriology</i> , 2010, 192, 4935-4943.	1.0	20
89	Cavity-enhanced resonant photoacoustic spectroscopy with optical feedback cw diode lasers: A novel technique for ultratrace gas analysis and high-resolution spectroscopy. <i>Journal of Chemical Physics</i> , 2010, 133, 044308.	1.2	58
90	Quantum-chemical study and FTIR jet spectroscopy of CHCl3â€”NH3 association in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13555.	1.3	44

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91	Proteomics of metal mediated protein dynamics in plants - iron and cadmium in the focus. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 1955.	3.0	11
92	Characterization of the Key Step for Light-driven Hydrogen Evolution in Green Algae. <i>Journal of Biological Chemistry</i> , 2009, 284, 36620-36627.	1.6	111
93	Biochemical and Structural Studies of the Large Ycf4-Photosystem I Assembly Complex of the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2009, 21, 2424-2442.	3.1	77
94	Proteotypic profiling of LHCI from <i>Chlamydomonas reinhardtii</i> provides new insights into structure and function of the complex. <i>Proteomics</i> , 2009, 9, 398-408.	1.3	39
95	An ancient light-harvesting protein is critical for the regulation of algal photosynthesis. <i>Nature</i> , 2009, 462, 518-521.	13.7	589
96	<i>Chlamydomonas</i> proteomics. <i>Current Opinion in Microbiology</i> , 2009, 12, 285-291.	2.3	51
97	PGRL1 Participates in Iron-induced Remodeling of the Photosynthetic Apparatus and in Energy Metabolism in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 32770-32781.	1.6	81
98	A plastid protein crucial for Ca <sup>2+</sup> -regulated stomatal responses. <i>New Phytologist</i> , 2008, 179, 675-686.	3.5	159
99	Ferritin is required for rapid remodeling of the photosynthetic apparatus and minimizes photooxidative stress in response to iron availability in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2008, 55, 201-211.	2.8	60
100	2DB: a Proteomics database for storage, analysis, presentation, and retrieval of information from mass spectrometric experiments. <i>BMC Bioinformatics</i> , 2008, 9, 302.	1.2	8
101	Quantum chemical study and infrared spectroscopy of hydrogen-bonded CHCl <sub>3</sub> -NH <sub>3</sub> in the gas phase. <i>Journal of Chemical Physics</i> , 2007, 127, 084306.	1.2	65
102	High-Resolution Continuous-Wave-Diode Laser Cavity Ring-Down Spectroscopy of the Hydrogen Fluoride Dimer in a Pulsed Slit Jet Expansion: Two Components of the N = 2 Triad near 1.3 $\mu$ m. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12659-12668.	1.1	27
103	Insights into chloroplast proteomics: from basic principles to new horizons. <i>Topics in Current Genetics</i> , 2007, , 371-407.	0.7	0
104	Comparative quantitative proteomics to investigate the remodeling of bioenergetic pathways under iron deficiency in <i>Chlamydomonas reinhardtii</i> . <i>Proteomics</i> , 2007, 7, 3964-3979.	1.3	168
105	Analysis of the vacuolar luminal proteome of <i>Saccharomyces cerevisiae</i> . <i>FEBS Journal</i> , 2007, 274, 4287-4305.	2.2	33
106	The <i>Chlamydomonas</i> Genome Reveals the Evolution of Key Animal and Plant Functions. <i>Science</i> , 2007, 318, 245-250.	6.0	2,354
107	Infrared spectroscopy of hydrogen-bonded CHCl <sub>3</sub> -SO <sub>2</sub> in the gas phase. <i>Journal of Chemical Physics</i> , 2006, 124, 214316.	1.2	59
108	Mass spectrometric genomic data mining: Novel insights into bioenergetic pathways in <i>Chlamydomonas reinhardtii</i> . <i>Proteomics</i> , 2006, 6, 6207-6220.	1.3	70



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109	Modifications of the Lipoamide-containing Mitochondrial Subproteome in a Yeast Mutant Defective in Cysteine Desulfurase. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1426-1436.	2.5	20
110	Identification of Precise Electrostatic Recognition Sites between Cytochrome c6 and the Photosystem I Subunit PsaF Using Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2006, 281, 35097-35103.	1.6	20
111	Electron Transfer Between Photosystem I and Plastocyanin or Cytochrome c6. , 2006, , 499-513.		9
112	NAB1 Is an RNA Binding Protein Involved in the Light-Regulated Differential Expression of the Light-Harvesting Antenna of <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2005, 17, 3409-3421.	3.1	136
113	Release of oxidized plastocyanin from photosystem I limits electron transfer between photosystem I and cytochrome b6/f complex in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7031-7036.	3.3	48
114	N-terminal Processing of Lhca3 Is a Key Step in Remodeling of the Photosystem I-Light-harvesting Complex Under Iron Deficiency in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 20431-20441.	1.6	123
115	Does a Photochemical Reaction Have a Kinetic Order? (the author replies). <i>Journal of Chemical Education</i> , 2005, 82, 37.	1.1	2
116	Quantum-chemical study of CHCl <sub>3</sub> ••SO <sub>2</sub> association. <i>Journal of Chemical Physics</i> , 2005, 123, 204311.	1.2	23
117	Light Induces Phosphorylation of Glucan Water Dikinase, Which Precedes Starch Degradation in Turions of the Duckweed <i>Spirodela polyrhiza</i> . <i>Plant Physiology</i> , 2004, 135, 121-128.	2.3	20
118	Remodeling of Light-Harvesting Protein Complexes in <i>Chlamydomonas</i> in Response to Environmental Changes. <i>Eukaryotic Cell</i> , 2004, 3, 1370-1380.	3.4	50
119	Subunit Composition of NDH-1 Complexes of <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biological Chemistry</i> , 2004, 279, 28165-28173.	1.6	109
120	Successful herbivore attack due to metabolic diversion of a plant chemical defense. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4859-4864.	3.3	440
121	The Hydrophobic Recognition Site Formed by Residues PsaA-Trp651 and PsaB-Trp627 of Photosystem I in <i>Chlamydomonas reinhardtii</i> Confers Distinct Selectivity for Binding of Plastocyanin and Cytochrome c6. <i>Journal of Biological Chemistry</i> , 2004, 279, 20009-20017.	1.6	50
122	<i>Chlamydomonas reinhardtii</i> proteomics. <i>Plant Physiology and Biochemistry</i> , 2004, 42, 989-1001.	2.8	46
123	Proteomic Analysis of the Photosystem I Light-Harvesting Antenna in Tomato ( <i>Lycopersicon</i> ) Tj ETQq1 1 0.784314 192 / Overlock 10 35		
124	Functional proteomics of circadian expressed proteins from <i>Chlamydomonas reinhardtii</i> . <i>FEBS Letters</i> , 2004, 559, 129-135.	1.3	52
125	A new approach that allows identification of intron-split peptides from mass spectrometric data in genomic databases. <i>FEBS Letters</i> , 2004, 562, 202-206.	1.3	20
126	Comparison of the Subunit Compositions of the PSI•LHCI Supercomplex and the LHCI in the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Biochemistry</i> , 2004, 43, 7816-7823.	1.2	73



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127	Extranuclear Inheritance: Chloroplast Proteomics. Progress in Botany Fortschritte Der Botanik, 2004, , 90-105.	0.1	2
128	Isotopomer-Selective Overtone Spectroscopy of Jet-Cooled Benzene by Ionization Detected IR + UV Double Resonance: The N= 2 CH Chromophore Absorption of $^{12}\text{C}_6\text{H}_6$ and $^{13}\text{C}_6\text{H}_6$ near 6000 $\text{cm}^{-1}$ . Journal of Physical Chemistry A, 2003, 107, 10743-10752.	1.1	16
129	Photochemical Kinetics: Reaction Orders and Analogies with Molecular Beam Scattering and Cavity Ring-Down Experiments. Journal of Chemical Education, 2003, 80, 1074.	1.1	13
130	Proteomics of Chlamydomonas reinhardtii Light-Harvesting Proteins. Eukaryotic Cell, 2003, 2, 978-994.	3.4	157
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