

# Michael Hippler

## List of PR Articles by Year in descending order

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citing authors

#	ARTICLE	IF	PR CITATIONS
1	The red alga <i>Porphyridium</i> as a host for molecular farming: Efficient production of immunologically active hepatitis C virus glycoprotein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2024, 121, .	7.6	10
2	Chemical Protein Crosslinking-Coupled Mass Spectrometry Reveals Interaction of LHCI with LHCII and LHCSR3 in <i>Chlamydomonas reinhardtii</i> . <i>Plants</i> , 2024, 13, 1632.	3.8	2
3	Light-Driven H <sub>2</sub> Production in <i>Chlamydomonas reinhardtii</i> : Lessons from Engineering of Photosynthesis. <i>Plants</i> , 2024, 13, 2114.	3.8	12
4	Seasonal and circadian rhythms of clerodane diterpenes and glycosylated flavonoids in two varieties of <i>Casearia sylvestris</i> Sw. (Salicaceae). <i>Heliyon</i> , 2024, 10, e39488.	3.5	1
5	Remodeling of algal photosystem I through phosphorylation. <i>Bioscience Reports</i> , 2023, 43, .	4.0	7
6	Light-independent regulation of algal photoprotection by CO <sub>2</sub> availability. <i>Nature Communications</i> , 2023, 14, .	13.9	49
7	Calredoxin regulates the chloroplast NADPH-dependent thioredoxin reductase in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2023, 193, 2122-2140.	5.5	3
8	Using <i>Caenorhabditis elegans</i> to produce functional secretory proteins of parasitic nematodes. <i>Acta Tropica</i> , 2022, 225, 106176.	2.3	10
9	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.	2.4	7
10	Electron transfer via cytochrome <i>b<sub>6</sub>f</i> complex displays sensitivity to antimycin A upon STT7 kinase activation. <i>Biochemical Journal</i> , 2022, 479, 111-127.	3.9	19
11	Photosystem I light-harvesting proteins regulate photosynthetic electron transfer and hydrogen production. <i>Plant Physiology</i> , 2022, 189, 329-343.	5.5	16
12	Enhanced chloroplast-mitochondria crosstalk promotes ambient algal-H <sub>2</sub> production. <i>Cell Reports Physical Science</i> , 2022, 3, 100828.	4.9	14
13	Algal PETC-Pro171-Leu suppresses electron transfer in cytochrome <i>b<sub>6</sub>f</i> under acidic lumenal conditions. <i>Plant Physiology</i> , 2022, 191, 1803-1817.	5.5	7
14	The Plasticity of Photosystem I. <i>Plant and Cell Physiology</i> , 2021, 62, 1073-1081.	3.5	43
15	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.	0.9	0
16	Structure of plant photosystem I-plastocyanin complex reveals strong hydrophobic interactions. <i>Biochemical Journal</i> , 2021, 478, 2371-2384.	3.9	25
17	Photosynthesis and Chloroplast Regulation – Balancing Photosynthesis and Photoprotection under Changing Environments. <i>Plant and Cell Physiology</i> , 2021, 62, 1059-1062.	3.5	7
18	Functional basis of electron transport within photosynthetic complex I. <i>Nature Communications</i> , 2021, 12, .	13.9	32

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19	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.	2.2	12
20	Multiple xylosyltransferases heterogeneously xylosylate protein-linked glycans in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2020, 102, 230-245.	6.2	45
21	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.	7.6	47
22	Chloroplasts require glutathione reductase to balance reactive oxygen species and maintain efficient photosynthesis. <i>Plant Journal</i> , 2020, 103, 1140-1154.	6.2	72
23	The Archaeal Proteome Project advances knowledge about archaeal cell biology through comprehensive proteomics. <i>Nature Communications</i> , 2020, 11, .	13.9	56
24	PsbS contributes to photoprotection in <i>Chlamydomonas reinhardtii</i> independently of energy dissipation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148183.	0.9	42
25	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.	3.9	79
26	Novel Insights Into N-Glycan Fucosylation and Core Xylosylation in <i>C. reinhardtii</i> . <i>Frontiers in Plant Science</i> , 2020, 10, .	4.1	22
27	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.	9.1	40
28	Light-dependent N-terminal phosphorylation of LHCSR3 and LHCB4 are interlinked in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2019, 99, 877-894.	6.2	24
29	Modulation of ABA responses by the protein kinase WNK8. <i>FEBS Letters</i> , 2019, 593, 339-351.	2.7	14
30	Fine-tuning of <i>RBOHF</i> activity is achieved by differential phosphorylation and $Ca^{2+}$ binding. <i>New Phytologist</i> , 2019, 221, 1935-1949.	8.1	144
31	Advances and current challenges in calcium signaling. <i>New Phytologist</i> , 2018, 218, 414-431.	8.1	577
32	Mitochondria Affect Photosynthetic Electron Transport and Photosensitivity in a Green Alga. <i>Plant Physiology</i> , 2018, 176, 2305-2314.	5.5	48
33	<i>N</i> -Glycoproteomic Characterization of Mannosidase and Xylosyltransferase Mutant Strains of <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2018, 176, 1952-1964.	5.5	41
34	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.	3.5	23
35	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.	5.5	78
36	The labile interactions of cyclic electron flow effector proteins. <i>Journal of Biological Chemistry</i> , 2018, 293, 17559-17573.	2.2	30

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37	Structure of a PSII-LHCI-cyt b <sub>6</sub> supercomplex in <i>Chlamydomonas reinhardtii</i> promoting cyclic electron flow under anaerobic conditions. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10517-10522.	7.6	78
38	The transcriptomic and proteomic responses of <i>Daphnia pulex</i> to changes in temperature and food supply comprise environment-specific and clone-specific elements. BMC Genomics, 2018, 19, .	3.3	26
39	A thiol-reactive Ru(II) ion, not CO release, underlies the potent antimicrobial and cytotoxic properties of CO-releasing molecule-3. Redox Biology, 2018, 18, 114-123.	11.0	111
40	Structure and function of photosystem I in <i>Cyanidioschyzon merolae</i> . Photosynthesis Research, 2018, 139, 499-508.	3.5	86
41	X-ray crystallographic and high-speed AFM studies of peroxiredoxin 1 from <i>Chlamydomonas reinhardtii</i> . Acta Crystallographica Section F, Structural Biology Communications, 2018, 74, 86-91.	0.9	9
42	Temperature-Induced Remodeling of the Photosynthetic Machinery Tunes Photosynthesis in the Thermophilic Alga <i>Cyanidioschyzon merolae</i> . Plant Physiology, 2017, 174, 35-46.	5.5	27
43	pyQms enables universal and accurate quantification of mass spectrometry data. Molecular and Cellular Proteomics, 2017, 16, 1736-1745.	3.0	39
44	Association of Ferredoxin:NADP <sup>+</sup> oxidoreductase with the photosynthetic apparatus modulates electron transfer in <i>Chlamydomonas reinhardtii</i> . Photosynthesis Research, 2017, 134, 291-306.	3.5	64
45	Conservation of core complex subunits shaped the structure and function of photosystem I in the secondary endosymbiont alga <i>Nannochloropsis gaditana</i> . New Phytologist, 2017, 213, 714-726.	8.1	36
46	Comparative transcriptome and proteome analysis reveals a global impact of the nitrogen regulators AreA and AreB on secondary metabolism in <i>Fusarium fujikuroi</i> . PLoS ONE, 2017, 12, e0176194.	2.4	45
47	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. Journal of Physical Chemistry A, 2016, 120, 6677-6687.	2.5	7
48	Calredoxin represents a novel type of calcium-dependent sensor-responder connected to redox regulation in the chloroplast. Nature Communications, 2016, 7, .	13.9	55
49	Antimicrobial Activity of the Manganese Photoactivated Carbon Monoxide-Releasing Molecule [Mn(CO) <sub>3</sub> (tpa- <sup>18</sup> N)] <sup>+</sup> Against a Pathogenic <i>Escherichia coli</i> that Causes Urinary Infections. Antioxidants and Redox Signaling, 2016, 24, 765-780.	6.5	61
50	Identification of <i>Haloferax volcanii</i> Pilin N-Glycans with Diverse Roles in Pilus Biosynthesis, Adhesion, and Microcolony Formation. Journal of Biological Chemistry, 2016, 291, 10602-10614.	2.2	61
51	Coordination Polymer Flexibility Leads to Polymorphism and Enables a Crystalline Solid-Vapour Reaction: A Multi-technique Mechanistic Study. Chemistry - A European Journal, 2015, 21, 8799-8811.	3.4	30
52	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. Frontiers in Plant Science, 2015, 6, .	4.1	80
53	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> . Plant Physiology, 2015, 167, 1566-1578.	5.5	54
54	Calcium-dependent regulation of photosynthesis. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 993-1003.	0.9	201

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55	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.	5.5	75
56	Novel insights into the function of LHCSR3 in <i>Chlamydomonas reinhardtii</i> . <i>Plant Signaling and Behavior</i> , 2015, 10, e1058462.	3.4	11
57	Cavity-Enhanced Raman Spectroscopy of Natural Gas with Optical Feedback cw-Diode Lasers. <i>Analytical Chemistry</i> , 2015, 87, 7803-7809.	6.5	122
58	Posttranslational Modifications of FERREDOXIN-NADP+ OXIDOREDUCTASE in Arabidopsis Chloroplasts. <i>Plant Physiology</i> , 2014, 166, 1764-1776.	5.5	28
59	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.	6.2	83
60	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.	5.5	150
61	Proton Gradient Regulation 5-Like 1-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.	5.5	61
62	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, .	0.3	3
63	Exploring the N-glycosylation Pathway in <i>Chlamydomonas reinhardtii</i> Unravels Novel Complex Structures. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3160-3183.	3.0	115
64	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.	4.4	447
65	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
66	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.	7.6	159
67	Genome and low-iron response of an oceanic diatom adapted to chronic iron limitation. <i>Genome Biology</i> , 2012, 13, .	8.2	254
68	Residues PsaB Asp612 and PsaB Glu613 of Photosystem I Confer pH-Dependent Binding of Plastocyanin and Cytochrome <i>c</i> <sub>6</sub> . <i>Biochemistry</i> , 2012, 51, 7297-7303.	2.4	29
69	PredAlgo: A New Subcellular Localization Prediction Tool Dedicated to Green Algae. <i>Molecular Biology and Evolution</i> , 2012, 29, 3625-3639.	4.7	305
70	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.	2.2	199
71	pymzML—Python module for high-throughput bioinformatics on mass spectrometry data. <i>Bioinformatics</i> , 2012, 28, 1052-1053.	4.8	89
72	Cavity-enhanced Raman spectroscopy with optical feedback cw diode lasers for gas phase analysis and spectroscopy. <i>Analyst</i> , 2012, 137, 4669.	3.1	109

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73	Trace gas detection of molecular hydrogen H <sub>2</sub> by photoacoustic stimulated Raman spectroscopy (PARS). <i>Analyst</i> , 2012, 137, 1384.	3.1	20
74	The structure and function of eukaryotic photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 864-877.	0.9	130
75	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.	1.5	145
76	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.	3.1	16
77	The Chloroplast Calcium Sensor CAS Is Required for Photoacclimation in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2011, 23, 2950-2963.	7.6	163
78	Proteomics to go: Proteomatic enables the user-friendly creation of versatile MS/MS data evaluation workflows. <i>Bioinformatics</i> , 2011, 27, 1183-1184.	4.8	32
79	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.	7.6	195
80	Inexpensive Raman Spectrometer for Undergraduate and Graduate Experiments and Research. <i>Journal of Chemical Education</i> , 2010, 87, 326-330.	2.9	41
81	The composition and structure of photosystem I-associated antenna from <i>Cyanidioschyzon merolae</i> . <i>Plant Journal</i> , 2010, 62, 886-897.	6.2	59
82	Characterizing the Anaerobic Response of <i>Chlamydomonas reinhardtii</i> by Quantitative Proteomics. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1514-1532.	3.0	170
83	A Novel Replicative Enzyme Encoded by the Linear <i>Arthrobacter</i> Plasmid pAL1. <i>Journal of Bacteriology</i> , 2010, 192, 4935-4943.	2.9	20
84	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, .	2.8	65
85	Quantum-chemical study and FTIR jet spectroscopy of CHCl <sub>3</sub> –NH <sub>3</sub> association in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13555.	2.7	44
86	Proteomics of metal mediated protein dynamics in plants - iron and cadmium in the focus. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 1955.	6.0	11
87	Characterization of the Key Step for Light-driven Hydrogen Evolution in Green Algae. <i>Journal of Biological Chemistry</i> , 2009, 284, 36620-36627.	2.2	117
88	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.	7.6	85
89	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.	3.1	41
90	<i>Chlamydomonas</i> proteomics. <i>Current Opinion in Microbiology</i> , 2009, 12, 285-291.	7.0	52

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91	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.	2.2	87
92	A plastid protein crucial for Ca <sup>2+</sup> -regulated stomatal responses. <i>New Phytologist</i> , 2008, 179, 675-686.	8.1	174
93	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.	6.2	63
94	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, .	2.8	67
95	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 <sub>2</sub> = 2 Triad near 1.3 μm. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12659-12668.	2.5	30
96	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.	3.1	173
97	Analysis of the vacuolar luminal proteome of <i>Saccharomyces cerevisiae</i> . <i>FEBS Journal</i> , 2007, 274, 4287-4305.	5.5	39
98	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.	2.8	60
99	Mass spectrometric genomic data mining: Novel insights into bioenergetic pathways in <i>Chlamydomonas reinhardtii</i> . <i>Proteomics</i> , 2006, 6, 6207-6220.	3.1	72
100	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.	3.0	23
101	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.	2.2	22
102	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.	7.6	144
103	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.	7.6	55
104	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.	2.2	131
105	Quantum-chemical study of CHCl <sub>3</sub> -SO <sub>2</sub> association. <i>Journal of Chemical Physics</i> , 2005, 123, 204311.	2.8	23
106	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.	5.5	22
107	Remodeling of Light-Harvesting Protein Complexes in <i>Chlamydomonas</i> in Response to Environmental Changes. <i>Eukaryotic Cell</i> , 2004, 3, 1370-1380.	2.5	51
108	Subunit Composition of NDH-1 Complexes of <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biological Chemistry</i> , 2004, 279, 28165-28173.	2.2	113

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109	Successful herbivore attack due to metabolic diversion of a plant chemical defense. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4859-4864.	7.6	472
110	The Hydrophobic Recognition Site Formed by Residues PsaA-Trp651 and PsaB-Trp627 of Photosystem I in Chlamydomonas reinhardtii Confers Distinct Selectivity for Binding of Plastocyanin and Cytochrome c6. Journal of Biological Chemistry, 2004, 279, 20009-20017.	2.2	54
111	Chlamydomonas reinhardtii proteomics. Plant Physiology and Biochemistry, 2004, 42, 989-1001.	5.5	47
112	Proteomic Analysis of the Photosystem I Light-Harvesting Antenna in Tomato (Lycopersicon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	2.4	36
113	Functional proteomics of circadian expressed proteins from Chlamydomonas reinhardtii. FEBS Letters, 2004, 559, 129-135.	2.7	53
114	A new approach that allows identification of intron-split peptides from mass spectrometric data in genomic databases. FEBS Letters, 2004, 562, 202-206.	2.7	23
115	Comparison of the Subunit Compositions of the PSI~LHCI Supercomplex and the LHCI in the Green Alga Chlamydomonas reinhardtii. Biochemistry, 2004, 43, 7816-7823.	2.4	74
116	Isotopomer-Selective Overtone Spectroscopy of Jet-Cooled Benzene by Ionization Detected IR + UV Double Resonance: A TheN= 2 CH Chromophore Absorption of 12C6H6 and 13C12C5H6 near 6000 cm-1. Journal of Physical Chemistry A, 2003, 107, 10743-10752.	2.5	17
117	Photochemical Kinetics: Reaction Orders and Analogies with Molecular Beam Scattering and Cavity Ring-Down Experiments. Journal of Chemical Education, 2003, 80, 1074.	2.9	17
118	Proteomics of Chlamydomonas reinhardtii Light-Harvesting Proteins. Eukaryotic Cell, 2003, 2, 978-994.	2.5	160
119	High-resolution Fourier transform infrared and cw-diode laser cavity ringdown spectroscopy of the $\nu_2 + 2\nu_3$ band of methane near $7510\text{ cm}^{-1}$ in slit jet expansions and at room temperature. Journal of Chemical Physics, 2002, 116, 6045-6055.	2.8	77
120	The Luminal Helix I of PsaB Is Essential for Recognition of Plastocyanin or Cytochrome c6 and Fast Electron Transfer to Photosystem I in Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2002, 277, 6573-6581.	2.2	66
121	Reciprocal Expression of Two Candidate Di-Iron Enzymes Affecting Photosystem I and Light-Harvesting Complex Accumulation. Plant Cell, 2002, 14, 673-688.	7.6	141
122	Proton relaxation and intermolecular structure of liquid formic acid: a nuclear magnetic resonance study Dedicated to the memory of the late Hermann Gerhard Hertz.. Physical Chemistry Chemical Physics, 2002, 4, 1457-1463.	2.7	23
123	Adaptation to Fe-deficiency requires remodeling of the photosynthetic apparatus. EMBO Journal, 2002, 21, 6709-6720.	7.4	256
124	Towards functional proteomics of membrane protein complexes: analysis of thylakoid membranes from Chlamydomonas reinhardtii. Plant Journal, 2001, 28, 595-606.	6.2	157
125	Limitation in Electron Transfer in Photosystem I Donor Side Mutants of Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2000, 275, 5852-5859.	2.2	44
126	Chloroplast site-directed mutagenesis of photosystem I in Chlamydomonas: Electron transfer reactions and light sensitivity. Biochimie, 2000, 82, 635-645.	2.9	33

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127	Insertion of the N-terminal Part of PsaF from <i>Chlamydomonas reinhardtii</i> into Photosystem I from <i>Synechococcus elongatus</i> Enables Efficient Binding of Algal Plastocyanin and Cytochrome c 6. <i>Journal of Biological Chemistry</i> , 1999, 274, 4180-4188.	2.2	70
128	Cw cavity ring-down infrared absorption spectroscopy in pulsed supersonic jets: nitrous oxide and methane. <i>Chemical Physics Letters</i> , 1999, 314, 273-281.	2.8	63
129	A Large Fraction of PsaF Is Nonfunctional in Photosystem I Complexes Lacking the PsaJ Subunit. <i>Biochemistry</i> , 1999, 38, 5546-5552.	2.4	48
130	High-resolution cavity ring-down absorption spectroscopy of nitrous oxide and chloroform using a near-infrared cw diode laser. <i>Chemical Physics Letters</i> , 1998, 289, 527-534.	2.8	78
131	Isotopomer-selective overtone spectroscopy by ionization detected IR+UV double resonance of jet-cooled aniline. <i>Chemical Physics Letters</i> , 1998, 298, 320-328.	2.8	41
132	<i>Chlamydomonas</i> genetics, a tool for the study of bioenergetic pathways. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1998, 1367, 1-62.	0.9	63
133	Fast Electron Transfer from Cytochrome c6 and Plastocyanin to Photosystem I of <i>Chlamydomonas reinhardtii</i> Requires PsaF. <i>Biochemistry</i> , 1997, 36, 6343-6349.	2.4	125
134	Binding Dynamics and Electron Transfer between Plastocyanin and Photosystem I. <i>Biochemistry</i> , 1996, 35, 1282-1295.	2.4	143
135	Isotope selective overtone spectroscopy of CHCl3 by vibrationally assisted dissociation and photofragment ionization. <i>Journal of Chemical Physics</i> , 1996, 104, 7426-7430.	2.8	43
136	Identification of the plastocyanin binding subunit of photosystem I. <i>FEBS Letters</i> , 1989, 250, 280-284.	2.7	110
137	Altered N-glycan composition impacts flagella-mediated adhesion in <i>Chlamydomonas reinhardtii</i> . <i>ELife</i> , 0, 9, .	1.6	13
138	Characterization of tryptophan oxidation affecting D1 degradation by FtsH in the photosystem II quality control of chloroplasts. <i>ELife</i> , 0, 12, .	1.6	21