Michael Hippler

List of Publications by Year
in descending order

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149 papers	12,195 citations	29994 54 h-index	29081 104 g-index
168 all docs	168 docs citations	168 times ranked	11186 citing authors

#	Article	IF	Citations
1	The Chlamydomonas Genome Reveals the Evolution of Key Animal and Plant Functions. Science, 2007, 318, 245-250.	6.0	2,354
2	An ancient light-harvesting protein is critical for the regulation of algal photosynthesis. Nature, 2009, 462, 518-521.	13.7	589
3	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.	3.3	440
4	Advances and current challenges in calcium signaling. New Phytologist, 2018, 218, 414-431.	3.5	423
5	Deciphering the Cryptic Genome: Genome-wide Analyses of the Rice Pathogen Fusarium fujikuroi Reveal Complex Regulation of Secondary Metabolism and Novel Metabolites. PLoS Pathogens, 2013, 9, e1003475.	2.1	406
6	PredAlgo: A New Subcellular Localization Prediction Tool Dedicated to Green Algae. Molecular Biology and Evolution, 2012, 29, 3625-3639.	3.5	270
7	Adaptation to Fe-deficiency requires remodeling of the photosynthetic apparatus. EMBO Journal, 2002, 21, 6709-6720.	3.5	240
8	Genome and low-iron response of an oceanic diatom adapted to chronic iron limitation. Genome Biology, 2012, 13, R66.	13.9	224
9	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. Journal of Biological Chemistry, 2012, 287, 7956-7968.	1.6	179
10	Control of Hydrogen Photoproduction by the Proton Gradient Generated by Cyclic Electron Flow in Chlamydomonas reinhardtii. Plant Cell, 2011, 23, 2619-2630.	3.1	176
11	Comparative quantitative proteomics to investigate the remodeling of bioenergetic pathways under iron deficiency in Chlamydomonas reinhardtii. Proteomics, 2007, 7, 3964-3979.	1.3	168
12	Characterizing the Anaerobic Response of Chlamydomonas reinhardtii by Quantitative Proteomics. Molecular and Cellular Proteomics, 2010, 9, 1514-1532.	2.5	162
13	A plastid protein crucial for Ca²⁺â€regulated stomatal responses. New Phytologist, 2008, 179, 675-686.	3.5	159
14	Calcium-dependent regulation of photosynthesis. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 993-1003.	0.5	158
15	Proteomics of Chlamydomonas reinhardtii Light-Harvesting Proteins. Eukaryotic Cell, 2003, 2, 978-994.	3.4	157
16	Towards functional proteomics of membrane protein complexes: analysis of thylakoid membranes from Chlamydomonas reinhardtii. Plant Journal, 2001, 28, 595-606.	2.8	155
17	Calcium-dependent regulation of cyclic photosynthetic electron transfer by a CAS, ANR1, and PGRL1 complex. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17717-17722.	3.3	151
18	The Chloroplast Calcium Sensor CAS Is Required for Photoacclimation in Chlamydomonas reinhardtii Â. Plant Cell, 2011, 23, 2950-2963.	3.1	145

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19	Reciprocal Expression of Two Candidate Di-Iron Enzymes Affecting Photosystem I and Light-Harvesting Complex Accumulation. Plant Cell, 2002, 14, 673-688.	3.1	136
20	NAB1 Is an RNA Binding Protein Involved in the Light-Regulated Differential Expression of the Light-Harvesting Antenna of Chlamydomonas reinhardtii. Plant Cell, 2005, 17, 3409-3421.	3.1	136
21	The chloroplast proteome: a survey from the Chlamydomonas reinhardtii perspective with a focus on distinctive features. Current Genetics, 2011, 57, 151-168.	0.8	135
22	Binding Dynamics and Electron Transfer between Plastocyanin and Photosystem Iâ€. Biochemistry, 1996, 35, 1282-1295.	1.2	133
23	Proton Gradient Regulation 5-Mediated Cyclic Electron Flow under ATP- or Redox-Limited Conditions: A Study of ÆŠATPase pgr5 and ÆŠrbcL pgr5 Mutants in the Green Alga Chlamydomonas reinhardtii Â Â Â. Plant Physiology, 2014, 165, 438-452.	2.3	127
24	N-terminal Processing of Lhca3 Is a Key Step in Remodeling of the Photosystem I-Light-harvesting Complex Under Iron Deficiency in Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2005, 280, 20431-20441.	1.6	123
25	The structure and function of eukaryotic photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 864-877.	0.5	119
26	Fast Electron Transfer from Cytochromec6and Plastocyanin to Photosystem I ofChlamydomonasreinhardtiiRequires PsaFâ€. Biochemistry, 1997, 36, 6343-6349.	1.2	116
27	Characterization of the Key Step for Light-driven Hydrogen Evolution in Green Algae. Journal of Biological Chemistry, 2009, 284, 36620-36627.	1.6	111
28	Fineâ€tuning of <scp>RBOHF</scp> activity is achieved by differential phosphorylation and Ca²⁺ binding. New Phytologist, 2019, 221, 1935-1949.	3.5	111
29	Subunit Composition of NDH-1 Complexes of Synechocystis sp. PCC 6803. Journal of Biological Chemistry, 2004, 279, 28165-28173.	1.6	109
30	Identification of the plastocyanin binding subunit of photosystem I. FEBS Letters, 1989, 250, 280-284.	1.3	108
31	Exploring the N-glycosylation Pathway in Chlamydomonas reinhardtii Unravels Novel Complex Structures. Molecular and Cellular Proteomics, 2013, 12, 3160-3183.	2.5	99
32	Cavity-enhanced Raman spectroscopy with optical feedback cw diode lasers for gas phase analysis and spectroscopy. Analyst, The, 2012, 137, 4669.	1.7	95
33	Cavity-Enhanced Raman Spectroscopy of Natural Gas with Optical Feedback cw-Diode Lasers. Analytical Chemistry, 2015, 87, 7803-7809.	3.2	95
34	PGRL1 Participates in Iron-induced Remodeling of the Photosynthetic Apparatus and in Energy Metabolism in Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2009, 284, 32770-32781.	1.6	81
35	High-resolution cavity ring-down absorption spectroscopy of nitrous oxide and chloroform using a near-infrared cw diode laser. Chemical Physics Letters, 1998, 289, 527-534.	1.2	77
36	Biochemical and Structural Studies of the Large Ycf4-Photosystem I Assembly Complex of the Green AlgaChlamydomonas reinhardtiiÂ. Plant Cell, 2009, 21, 2424-2442.	3.1	77

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37	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.	3.9	77
38	High-resolution Fourier transform infrared and cw-diode laser cavity ringdown spectroscopy of the Î½2+2Î½3 band of methane near 7510â€‚cmâ^'1 in slit jet expansions and at room temperature. Journal of Chemical Physics, 2002, 116, 6045-6055.	1.2	76
39	pymzMLâ€”Python module for high-throughput bioinformatics on mass spectrometry data. Bioinformatics, 2012, 28, 1052-1053.	1.8	76
40	Comparison of the Subunit Compositions of the PSIâ^'LHCI Supercomplex and the LHCI in the Green Alga Chlamydomonas reinhardtii. Biochemistry, 2004, 43, 7816-7823.	1.2	73
41	Lack of isocitrate lyase in <scp>C</scp>hlamydomonas leads to changes in carbon metabolism and in the response to oxidative stress under mixotrophic growth. Plant Journal, 2014, 77, 404-417.	2.8	73
42	Mass spectrometric genomic data mining: Novel insights into bioenergetic pathways inChlamydomonas reinhardtii. Proteomics, 2006, 6, 6207-6220.	1.3	70
43	Deletion of Proton Gradient Regulation 5 (PGR5) and PGR5-Like 1 (PGRL1) proteins promote sustainable light-driven hydrogen production in Chlamydomonas reinhardtii due to increased PSII activity under sulfur deprivation. Frontiers in Plant Science, 2015, 6, 892.	1.7	67
44	STATE TRANSITION7-Dependent Phosphorylation Is Modulated by Changing Environmental Conditions, and Its Absence Triggers Remodeling of Photosynthetic Protein Complexes. Plant Physiology, 2015, 168, 615-634.	2.3	67
45	Insertion of the N-terminal Part of PsaF from Chlamydomonas reinhardtii into Photosystem I from Synechococcus elongatus Enables Efficient Binding of Algal Plastocyanin and Cytochrome c 6. Journal of Biological Chemistry, 1999, 274, 4180-4188.	1.6	65
46	Quantum chemical study and infrared spectroscopy of hydrogen-bonded CHCl3â€“NH3 in the gas phase. Journal of Chemical Physics, 2007, 127, 084306.	1.2	65
47	Structure and function of photosystem I in Cyanidioschyzon merolae. Photosynthesis Research, 2019, 139, 499-508.	1.6	65
48	Structure of a PSIâ€“LHCIâ€“cyt b ₆ f supercomplex in Chlamydomonas reinhardtii promoting cyclic electron flow under anaerobic conditions. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10517-10522.	3.3	64
49	Chlamydomonas genetics, a tool for the study of bioenergetic pathways. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1367, 1-62.	0.5	63
50	Cw cavity ring-down infrared absorption spectroscopy in pulsed supersonic jets: nitrous oxide and methane. Chemical Physics Letters, 1999, 314, 273-281.	1.2	63
51	Configuration of Ten Light-Harvesting Chlorophyll a/b Complex I Subunits in Chlamydomonas reinhardtii Photosystem I. Plant Physiology, 2018, 178, 583-595.	2.3	62
52	The Luminal Helix l of PsaB Is Essential for Recognition of Plastocyanin or Cytochrome c 6and Fast Electron Transfer to Photosystem I in Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2002, 277, 6573-6581.	1.6	60
53	Ferritin is required for rapid remodeling of the photosynthetic apparatus and minimizes photoâ€oxidative stress in response to iron availability in Chlamydomonas reinhardtii. Plant Journal, 2008, 55, 201-211.	2.8	60
54	Infrared spectroscopy of hydrogen-bonded CHCl3â€“SO2 in the gas phase. Journal of Chemical Physics, 2006, 124, 214316.	1.2	59

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55	Cavity-enhanced resonant photoacoustic spectroscopy with optical feedback cw diode lasers: A novel technique for ultratrace gas analysis and high-resolution spectroscopy. Journal of Chemical Physics, 2010, 133, 044308.	1.2	58
56	Antimicrobial Activity of the Manganese Photoactivated Carbon Monoxide-Releasing Molecule [Mn(CO)₃(tpa-Î¹³N)]⁺Against a PathogenicEscherichia colithat Causes Urinary Infections. Antioxidants and Redox Signaling, 2016, 24, 765-780.	2.5	56
57	The composition and structure of photosystem I-associated antenna from Cyanidioschyzon merolae. Plant Journal, 2010, 62, 886-897.	2.8	54
58	Proton Gradient Regulation5-Like1-Mediated Cyclic Electron Flow Is Crucial for Acclimation to Anoxia and Complementary to Nonphotochemical Quenching in Stress Adaptation Â. Plant Physiology, 2014, 165, 1604-1617.	2.3	54
59	Functional proteomics of circadian expressed proteins from Chlamydomonas reinhardtii. FEBS Letters, 2004, 559, 129-135.	1.3	52
60	Identification of Haloferax volcanii Pilin N-Glycans with Diverse Roles in Pilus Biosynthesis, Adhesion, and Microcolony Formation. Journal of Biological Chemistry, 2016, 291, 10602-10614.	1.6	52
61	Association of Ferredoxin:NADP+ oxidoreductase with the photosynthetic apparatus modulates electron transfer in Chlamydomonas reinhardtii. Photosynthesis Research, 2017, 134, 291-306.	1.6	52
62	Chlamydomonas proteomics. Current Opinion in Microbiology, 2009, 12, 285-291.	2.3	51
63	Remodeling of Light-Harvesting Protein Complexes in Chlamydomonas in Response to Environmental Changes. Eukaryotic Cell, 2004, 3, 1370-1380.	3.4	50
64	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.	1.6	50
65	PGR5 is required for efficient Q cycle in the cytochrome b6f complex during cyclic electron flow. Biochemical Journal, 2020, 477, 1631-1650.	1.7	50
66	Release of oxidized plastocyanin from photosystem I limits electron transfer between photosystem I and cytochrome b6f complex in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7031-7036.	3.3	48
67	A Large Fraction of PsaF Is Nonfunctional in Photosystem I Complexes Lacking the PsaJ Subunitâ€. Biochemistry, 1999, 38, 5546-5552.	1.2	47
68	PHOTOSYSTEM II SUBUNIT R Is Required for Efficient Binding of LIGHT-HARVESTING COMPLEX STRESS-RELATED PROTEIN3 to Photosystem II-Light-Harvesting Supercomplexes in Chlamydomonas reinhardtii Â. Plant Physiology, 2015, 167, 1566-1578.	2.3	47
69	Chloroplasts require glutathione reductase to balance reactive oxygen species and maintain efficient photosynthesis. Plant Journal, 2020, 103, 1140-1154.	2.8	47
70	Chlamydomonas reinhardtii proteomics. Plant Physiology and Biochemistry, 2004, 42, 989-1001.	2.8	46
71	Calredoxin represents a novel type of calcium-dependent sensor-responder connected to redox regulation in the chloroplast. Nature Communications, 2016, 7, 11847.	5.8	45
72	Quantum-chemical study and FTIR jet spectroscopy of CHCl3â€“NH3 association in the gas phase. Physical Chemistry Chemical Physics, 2010, 12, 13555.	1.3	44

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73	Isotope selective overtone spectroscopy of CHCl3 by vibrationally assisted dissociation and photofragment ionization. Journal of Chemical Physics, 1996, 104, 7426-7430.	1.2	43
74	Limitation in Electron Transfer in Photosystem I Donor Side Mutants of Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2000, 275, 5852-5859.	1.6	43
75	The Metabolic Status Drives Acclimation of Iron Deficiency Responses in Chlamydomonas reinhardtii as Revealed by Proteomics Based Hierarchical Clustering and Reverse Genetics. Molecular and Cellular Proteomics, 2013, 12, 2774-2790.	2.5	41
76	Isotopomer-selective overtone spectroscopy by ionization detected IR+UV double resonance of jet-cooled aniline. Chemical Physics Letters, 1998, 298, 320-328.	1.2	40
77	The Archaeal Proteome Project advances knowledge about archaeal cell biology through comprehensive proteomics. Nature Communications, 2020, 11, 3145.	5.8	40
78	Proteotypic profiling of LHCI from Chlamydomonas reinhardtii provides new insights into structure and function of the complex. Proteomics, 2009, 9, 398-408.	1.3	39
79	Mitochondria Affect Photosynthetic Electron Transport and Photosensitivity in a Green Alga. Plant Physiology, 2018, 176, 2305-2314.	2.3	39
80	N-Glycoproteomic Characterization of Mannosidase and Xylosyltransferase Mutant Strains of Chlamydomonas reinhardtii. Plant Physiology, 2018, 176, 1952-1964.	2.3	37
81	Multiple xylosyltransferases heterogeneously xylosylate protein Nâ€linked glycans in Chlamydomonas reinhardtii. Plant Journal, 2020, 102, 230-245.	2.8	37
82	Proteomic Analysis of the Photosystem I Light-Harvesting Antenna in Tomato (Lycopersicon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	1.2	35
83	pyQms enables universal and accurate quantification of mass spectrometry data. Molecular and Cellular Proteomics, 2017, 16, 1736-1745.	2.5	35
84	Identification of methylated GnTIâ€dependent Nâ€glycans in Botryococcus brauni. New Phytologist, 2017, 215, 1361-1369.	3.5	35
85	Comparative transcriptome and proteome analysis reveals a global impact of the nitrogen regulators AreA and AreB on secondary metabolism in Fusarium fujikuroi. PLoS ONE, 2017, 12, e0176194.	1.1	35
86	Analysis of the vacuolar luminal proteome of Saccharomyces cerevisiae. FEBS Journal, 2007, 274, 4287-4305.	2.2	33
87	Inexpensive Raman Spectrometer for Undergraduate and Graduate Experiments and Research. Journal of Chemical Education, 2010, 87, 326-330.	1.1	32
88	Proteomics to go: Proteomatic enables the user-friendly creation of versatile MS/MS data evaluation workflows. Bioinformatics, 2011, 27, 1183-1184.	1.8	32
89	Chloroplast site-directed mutagenesis of photosystem I in Chlamydomonas: Electron transfer reactions and light sensitivity. Biochimie, 2000, 82, 635-645.	1.3	31
90	Coexpressed subunits of dual genetic origin define a conserved supercomplex mediating essential protein import into chloroplasts. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32739-32749.	3.3	30

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91	PsbS contributes to photoprotection in Chlamydomonas reinhardtii independently of energy dissipation. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148183.	0.5	29
92	A new approach for improving microalgal biohydrogen photoproduction based on safe & fast oxygen consumption. International Journal of Hydrogen Energy, 2019, 44, 17835-17844.	3.8	28
93	High-Resolution Continuous-Wave-Diode Laser Cavity Ring-Down Spectroscopy of the Hydrogen Fluoride Dimer in a Pulsed Slit Jet Expansion:â€‰ Two Components of the N = 2 Triad near 1.3 Î¼m. Journal of Physical Chemistry A, 2007, 111, 12659-12668.	1.1	27
94	Protein Phosphorylation Is a Key Event of Flagellar Disassembly Revealed by Analysis of Flagellar Phosphoproteins during Flagellar Shortening in Chlamydomonas. Journal of Proteome Research, 2011, 10, 3830-3839.	1.8	27
95	Cavity-Enhanced Raman Spectroscopy in the Biosciences: In Situ, Multicomponent, and Isotope Selective Gas Measurements To Study Hydrogen Production and Consumption by Escherichia coli. Analytical Chemistry, 2017, 89, 2147-2154.	3.2	27
96	Conservation of core complex subunits shaped the structure and function of photosystem I in the secondary endosymbiont alga Nannochloropsis gaditana. New Phytologist, 2017, 213, 714-726.	3.5	27
97	Residues PsaB Asp612 and PsaB Glu613 of Photosystem I Confer pH-Dependent Binding of Plastocyanin and Cytochrome c₆. Biochemistry, 2012, 51, 7297-7303.	1.2	25
98	Posttranslational Modifications of FERREDOXIN-NADP+ OXIDOREDUCTASE in Arabidopsis Chloroplasts Â Â. Plant Physiology, 2014, 166, 1764-1776.	2.3	25
99	Coordination Polymer Flexibility Leads to Polymorphism and Enables a Crystalline Solidâ€“Vapour Reaction: A Multiâ€technique Mechanistic Study. Chemistry - A European Journal, 2015, 21, 8799-8811.	1.7	25
100	Photosynthetic Complex Assembly in. Protist, 2002, 153, 197-220.	0.6	23
101	Quantum-chemical study of CHCl3â€“SO2 association. Journal of Chemical Physics, 2005, 123, 204311.	1.2	23
102	The labile interactions of cyclic electron flow effector proteins. Journal of Biological Chemistry, 2018, 293, 17559-17573.	1.6	23
103	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.	1.3	22
104	Temperature-Induced Remodeling of the Photosynthetic Machinery Tunes Photosynthesis in the Thermophilic Alga Cyanidioschyzon merolae. Plant Physiology, 2017, 174, 35-46.	2.3	21
105	Light Induces Phosphorylation of Glucan Water Dikinase, Which Precedes Starch Degradation in Turions of the Duckweed Spirodela polyrhiza. Plant Physiology, 2004, 135, 121-128.	2.3	20
106	A new approach that allows identification of intron-split peptides from mass spectrometric data in genomic databases. FEBS Letters, 2004, 562, 202-206.	1.3	20
107	Modifications of the Lipoamide-containing Mitochondrial Subproteome in a Yeast Mutant Defective in Cysteine Desulfurase. Molecular and Cellular Proteomics, 2006, 5, 1426-1436.	2.5	20
108	Identification of Precise Electrostatic Recognition Sites between Cytochrome c6 and the Photosystem I Subunit PsaF Using Mass Spectrometry. Journal of Biological Chemistry, 2006, 281, 35097-35103.	1.6	20

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109	A Novel Replicative Enzyme Encoded by the LinearArthrobacterPlasmid pAL1. Journal of Bacteriology, 2010, 192, 4935-4943.	1.0	20
110	Lightâ€dependent Nâ€terminal phosphorylation of LHCSR3 and LHCB4 are interlinked in Chlamydomonas reinhardtii. Plant Journal, 2019, 99, 877-894.	2.8	20
111	Absolute quantification of selected photosynthetic electron transfer proteins in Chlamydomonas reinhardtii in the presence and absence of oxygen. Photosynthesis Research, 2018, 137, 281-293.	1.6	19
112	The transcriptomic and proteomic responses of Daphnia pulex to changes in temperature and food supply comprise environment-specific and clone-specific elements. BMC Genomics, 2018, 19, 376.	1.2	19
113	The Plasticity of Photosystem I. Plant and Cell Physiology, 2021, 62, 1073-1081.	1.5	19
114	Diode laser photoacoustic spectroscopy of CO2, H2S and O2 in a differential Helmholtz resonator for trace gas analysis in the biosciences and petrochemistry. Analytical and Bioanalytical Chemistry, 2019, 411, 3777-3787.	1.9	18
115	Novel Insights Into N-Glycan Fucosylation and Core Xylosylation in C. reinhardtii. Frontiers in Plant Science, 2019, 10, 1686.	1.7	18
116	Isotopomer-Selective Overtone Spectroscopy of Jet-Cooled Benzene by Ionization Detected IR + UV Double Resonance:Â TheN= 2 CH Chromophore Absorption of12C6H6and13C12C5H6near 6000 cm-1. Journal of Physical Chemistry A, 2003, 107, 10743-10752.	1.1	16
117	Concerted action of the new Genomic Peptide Finder and AUGUSTUS allows for automated proteogenomic annotation of the Chlamydomonas reinhardtii genome. Proteomics, 2011, 11, 1814-1823.	1.3	16
118	Trace gas detection of molecular hydrogen H2 by photoacoustic stimulated Raman spectroscopy (PARS). Analyst, The, 2012, 137, 1384.	1.7	16
119	Structure of plant photosystem I-plastocyanin complex reveals strong hydrophobic interactions. Biochemical Journal, 2021, 478, 2371-2384.	1.7	15
120	Cavity-Enhanced Raman and Helmholtz Resonator Photoacoustic Spectroscopy to Monitor the Mixed Sugar Metabolism of E. coli. Analytical Chemistry, 2019, 91, 13096-13104.	3.2	14
121	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
122	On-line analysis and in situ pH monitoring of mixed acid fermentation by Escherichia coli using combined FTIR and Raman techniques. Analytical and Bioanalytical Chemistry, 2020, 412, 7307-7319.	1.9	13
123	Functional basis of electron transport within photosynthetic complex I. Nature Communications, 2021, 12, 5387.	5.8	13
124	Proteomics of metal mediated protein dynamics in plants - iron and cadmium in the focus. Frontiers in Bioscience - Landmark, 2009, Volume, 1955.	3.0	11
125	Tuning the properties of hydrogen-bonded block copolymer worm gels prepared via polymerization-induced self-assembly. Chemical Science, 2021, 12, 12082-12091.	3.7	11
126	Modulation of ABA responses by the protein kinase WNK8. FEBS Letters, 2019, 593, 339-351.	1.3	10

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127	Altered N-glycan composition impacts flagella-mediated adhesion in Chlamydomonas reinhardtii. ELife, 2020, 9, .	2.8	10
128	SugarPy facilitates the universal, discovery-driven analysis of intact glycopeptides. Bioinformatics, 2021, 36, 5330-5336.	1.8	9
129	Electron Transfer Between Photosystem I and Plastocyanin or Cytochrome c6. , 2006, , 499-513.		9
130	Hydrogen production in the presence of oxygen by Escherichia coli K-12. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.7	9
131	2DB: a Proteomics database for storage, analysis, presentation, and retrieval of information from mass spectrometric experiments. BMC Bioinformatics, 2008, 9, 302.	1.2	8
132	Novel insights into the function of LHCSR3 in Chlamydomonas reinhardtii. Plant Signaling and Behavior, 2015, 10, e1058462.	1.2	8
133	Calcium sensing via EF-hand 4 enables thioredoxin activity in the sensor-responder protein calredoxin in the green alga Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2020, 295, 170-180.	1.6	8
134	X-ray crystallographic and high-speed AFM studies of peroxiredoxin 1 fromChlamydomonas reinhardtii. Acta Crystallographica Section F, Structural Biology Communications, 2018, 74, 86-91.	0.4	8
135	Electron transfer via cytochrome b6f complex displays sensitivity to antimycin A upon STT7 kinase activation. Biochemical Journal, 2022, 479, 111-127.	1.7	8
136	Photosystem I light-harvesting proteins regulate photosynthetic electron transfer and hydrogen production. Plant Physiology, 2022, 189, 329-343.	2.3	8
137	Enhanced chloroplast-mitochondria crosstalk promotes ambient algal-H2 production. Cell Reports Physical Science, 2022, 3, 100828.	2.8	8
138	Advanced spectroscopic analysis and ¹⁵N-isotopic labelling study of nitrate and nitrite reduction to ammonia and nitrous oxide by E. coli. Analyst, The, 2021, 146, 7021-7033.	1.7	7
139	Dynamic NMR and Quantum-Chemical Study of the Stereochemistry and Stability of the Chiral MoO2(acac)2 Complex in Solution. Journal of Physical Chemistry A, 2016, 120, 6677-6687.	1.1	6
140	Structural analysis revealed a novel conformation of the NTRC reductase domain from Chlamydomonas reinhardtii. Journal of Structural Biology, 2022, 214, 107829.	1.3	5
141	A New Approach for the Comparative Analysis of Multiprotein Complexes Based on ¹⁵N Metabolic Labeling and Quantitative Mass Spectrometry. Journal of Visualized Experiments, 2014, , .	0.2	3
142	Photosynthesis and Chloroplast Regulationâ€"Balancing Photosynthesis and Photoprotection under Changing Environments. Plant and Cell Physiology, 2021, 62, 1059-1062.	1.5	3
143	Using Caenorhabditis elegans to produce functional secretory proteins of parasitic nematodes. Acta Tropica, 2022, 225, 106176.	0.9	3
144	Does a Photochemical Reaction Have a Kinetic Order? (the author replies). Journal of Chemical Education, 2005, 82, 37.	1.1	2

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145	Extranuclear Inheritance: Chloroplast Proteomics. Progress in Botany Fortschritte Der Botanik, 2004, , 90-105.	0.1	2
146	Bioenergetic Pathways in the Chloroplast: Photosynthetic Electron Transfer. Microbiology Monographs, 2017, , 97-134.	0.3	1
147	Helmholtz resonator diode laser photoacoustic spectroscopy for trace gas analysis in the environment and the biosciences. , 2018, , .		1
148	Insights into chloroplast proteomics: from basic principles to new horizons. Topics in Current Genetics, 2007, , 371-407.	0.7	0
149	Crystallographic analysis and phasing of iron-assimilating protein 1 (FEA1) from Chlamydomonas reinhardtii. Acta Crystallographica Section F, Structural Biology Communications, 2021, 77, 134-139.	0.4	0