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List of Publications by Year
in descending order

Version: 2024-02-01

125 papers	10,806 citations	66250 44 h-index	36203 101 g-index
131 all docs	131 docs citations	131 times ranked	8215 citing authors

#	Article	IF	Citations
1	Proteomic analysis of metabolic pathways supports chloroplastâ€“mitochondria crossâ€talk in a Cuâ€limited diatom. Plant Direct, 2022, 6, e376.	0.8	6
2	Scaffolding proteins guide the evolution of algal light harvesting antennas. Nature Communications, 2021, 12, 1890.	5.8	11
3	Molecular underpinnings and biogeochemical consequences of enhanced diatom growth in a warming Southern Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	17
4	What Happened to the Phycobilisome?. Biomolecules, 2019, 9, 748.	1.8	25
5	Proteomic analysis of the phycobiliprotein antenna of the cryptophyte alga Guillardia theta cultured under different light intensities. Photosynthesis Research, 2018, 135, 149-163.	1.6	19
6	Evolutionary genomics of the cold-adapted diatom Fragilariopsis cylindrus. Nature, 2017, 541, 536-540.	13.7	332
7	Insights into the red algae and eukaryotic evolution from the genome of Porphyra umbilicalis (Bangiophyceae, Rhodophyta). Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6361-E6370.	3.3	233
8	Contrasting effects of copper limitation on the photosynthetic apparatus in two strains of the open ocean diatom Thalassiosira oceanica. PLoS ONE, 2017, 12, e0181753.	1.1	24
9	Sequence Analysis and Gene Expression of Potential Components of Copper Transport and Homeostasis in Thalassiosira pseudonana. Protist, 2015, 166, 58-77.	0.6	30
10	Spectroscopic Studies of Cryptophyte Light Harvesting Proteins: Vibrations and Coherent Oscillations. Journal of Physical Chemistry B, 2015, 119, 10025-10034.	1.2	50
11	Single-residue insertion switches the quaternary structure and exciton states of cryptophyte light-harvesting proteins. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2666-75.	3.3	65
12	Mitochondrial Genes of Dinoflagellates Are Transcribed by a Nuclear-Encoded Single-Subunit RNA Polymerase. PLoS ONE, 2013, 8, e65387.	1.1	4
13	Proteomic Amino-Termini Profiling Reveals Targeting Information for Protein Import into Complex Plastids. PLoS ONE, 2013, 8, e74483.	1.1	41
14	Differential Association of the Light-Harvesting Proteins (FCPs) with PSI and PSII in the Small Brown Tide Alga Aureococcus Anophagefferens. Advanced Topics in Science and Technology in China, 2013, , 148-151.	0.0	0
15	Photosystem II Photoinactivation, Repair, and Protection in Marine Centric Diatoms Â. Plant Physiology, 2012, 160, 464-476.	2.3	86
16	Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. Nature, 2012, 492, 59-65.	13.7	377
17	Cyanophora paradoxa Genome Elucidates Origin of Photosynthesis in Algae and Plants. Science, 2012, 335, 843-847.	6.0	371
18	The harmful alga Aureococcus anophagefferens utilizes 19â€²-butanoyloxyfucoxanthin as well as xanthophyll cycle carotenoids in acclimating to higher light intensities. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1557-1564.	0.5	20

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19	Complex repeat structures and novel features in the mitochondrial genomes of the diatoms Phaeodactylum tricornutum and Thalassiosira pseudonana. Gene, 2011, 476, 20-26.	1.0	85
20	Chloroplast genomes of photosynthetic eukaryotes. Plant Journal, 2011, 66, 34-44.	2.8	300
21	High light stress and the one-helix LHC-like proteins of the cryptophyte Guillardia theta. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 841-846.	0.5	23
22	After the primary endosymbiosis: an update on the chromalveolate hypothesis and the origins of algae with Chl c. Photosynthesis Research, 2011, 107, 103-115.	1.6	71
23	Photoprotection in the diatom Thalassiosira pseudonana: Role of LI818-like proteins in response to high light stress. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1449-1457.	0.5	173
24	EFFECTS OF IRON AND COPPER DEFICIENCY ON THE EXPRESSION OF MEMBERS OF THE LIGHT-HARVESTING FAMILY IN THE DIATOM THALASSIOSIRA PSEUDONANA (BACILLARIOPHYCEAE)1. Journal of Phycology, 2010, 46, 974-981.	1.0	19
25	Long Transcripts from Dinoflagellate Chloroplast Minicircles Suggest â€œRolling Circleâ€• Transcription. Journal of Biological Chemistry, 2010, 285, 5196-5203.	1.6	25
26	Substitutional editing of Heterocapsa triquetra chloroplast transcripts and a folding model for its divergent chloroplast 16S rRNA. Gene, 2009, 442, 73-80.	1.0	39
27	The Phaeodactylum genome reveals the evolutionary history of diatom genomes. Nature, 2008, 456, 239-244.	13.7	1,458
28	Light-Harvesting and Photoprotection in Diatoms: Identification and Expression of L818-Like Proteins. , 2008, , 261-264.		14
29	Surviving the passage. Plant Signaling and Behavior, 2008, 3, 6-12.	1.2	11
30	Evolution of Light-Harvesting Antennas in an Oxygen World. , 2007, , 37-53.		9
31	Identification and transcription of transfer RNA genes in dinoflagellate plastid minicircles. Gene, 2007, 392, 291-298.	1.0	30
32	Chloroplast genomes of the diatoms Phaeodactylum tricornutum and Thalassiosira pseudonana: comparison with other plastid genomes of the red lineage. Molecular Genetics and Genomics, 2007, 277, 427-439.	1.0	184
33	Protein Targeting in â€˜â€˜Secondaryâ€™â€™ or â€˜â€˜Complexâ€™â€™ Chloroplasts. , 2007, 390, 207-217.		0
34	LATERAL GENE TRANSFER IN THE CYANOBACTERIA: CHLOROPHYLLS, PROTEINS, AND SCRAPS OF RIBOSOMAL RNA. Journal of Phycology, 2005, 41, 449-452.	1.0	6
35	Simulation of Pulse-Amplitude-Modulated (PAM) fluorescence: Limitations of some PAM-parameters in studying environmental stress effects. Photosynthetica, 2005, 43, 75-83.	0.9	86
36	Protein import pathways in ?complex? chloroplasts derived from secondary endosymbiosis involving a red algal ancestor. Plant Molecular Biology, 2005, 57, 333-342.	2.0	23

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37	Mosaic Origin of the Heme Biosynthesis Pathway in Photosynthetic Eukaryotes. Molecular Biology and Evolution, 2005, 22, 2343-2353.	3.5	152
38	Double hairpin elements and tandem repeats in the non-coding region of Adenoides eludens chloroplast gene minicircles. Gene, 2005, 358, 102-110.	1.0	24
39	Distal and Extrinsic Photosystem II Antennas. , 2005, , 23-44.		6
40	How the chlorophyll-proteins got their names. , 2005, , 435-442.		0
41	The Chloroplast Genome of Dinoflagellates ? A Reduced Instruction Set?. Protist, 2004, 155, 23-31.	0.6	34
42	How the Chlorophyll-Proteins got their Names. Photosynthesis Research, 2004, 80, 189-196.	1.6	17
43	The Genome of the Diatom Thalassiosira Pseudonana: Ecology, Evolution, and Metabolism. Science, 2004, 306, 79-86.	6.0	1,862
44	A thylakoidal processing peptidase from the heterokont alga Heterosigma akashiwo. Plant Molecular Biology, 2003, 52, 463-472.	2.0	13
45	Photosynthetic Membranes and Their Light-Harvesting Antennas. Advances in Photosynthesis and Respiration, 2003, , 1-28.	1.0	25
46	The Evolution of Light-harvesting Antennas. Advances in Photosynthesis and Respiration, 2003, , 129-168.	1.0	41
47	Second- and third-hand chloroplasts in dinoflagellates: Phylogeny of oxygen-evolving enhancer 1 (PsbO) protein reveals replacement of a nuclear-encoded plastid gene by that of a haptophyte tertiary endosymbiont. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9294-9299.	3.3	150
48	Evolution of Dinoflagellate Unigenic Minicircles and the Partially Concerted Divergence of Their Putative Replicon Origins. Molecular Biology and Evolution, 2002, 19, 489-500.	3.5	69
49	A Family of Selfish Minicircular Chromosomes with Jumbled Chloroplast Gene Fragments from a Dinoflagellate. Molecular Biology and Evolution, 2001, 18, 1558-1565.	3.5	45
50	ENDOMEMBRANE STRUCTURE AND THE CHLOROPLAST PROTEIN TARGETING PATHWAY INHETEROSIGMA AKASHIWO(RAPHIDOPHYCEAE, CHROMISTA). Journal of Phycology, 2000, 36, 1135-1144.	1.0	48
51	IS PHOTOSYNTHESIS REALLY DERIVED FROM PURPLE BACTERIA?. Journal of Phycology, 2000, 36, 983-985.	1.0	10
52	Phylogeny of Ultra-Rapidly Evolving Dinoflagellate Chloroplast Genes: A Possible Common Origin for Sporozoan and Dinoflagellate Plastids. Journal of Molecular Evolution, 2000, 51, 26-40.	0.8	162
53	Diversification of a Chimaeric Algal Group, the Chlorarachniophytes: Phylogeny of Nuclear and Nucleomorph Small-Subunit rRNA Genes. Molecular Biology and Evolution, 1999, 16, 321-331.	3.5	82
54	A Phylogenetic Assessment of the Eukaryotic Light-Harvesting Antenna Proteins, with Implications for Plastid Evolution. Journal of Molecular Evolution, 1999, 48, 59-68.	0.8	230

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55	Title is missing!. Plant Molecular Biology Reporter, 1999, 17, 221-224.	1.0	14
56	Single gene circles in dinoflagellate chloroplast genomes. Nature, 1999, 400, 155-159.	13.7	337
57	The 38 kDa chlorophyll a/b protein of the prokaryote Prochlorothrix hollandica is encoded by a divergent pcb gene. Plant Molecular Biology, 1998, 36, 709-716.	2.0	45
58	Relationship of chlorophyll, seed moisture and ABA levels in the maturing Brassica napus seed and effect of a mild freezing stress. Physiologia Plantarum, 1998, 104, 125-133.	2.6	16
59	Solutions to the Light-Harvesting Problem: Mix, Match and Duplicate. , 1998, , 247-252.		0
60	hcf5, a Nuclear Photosynthetic Electron Transport Mutant of Arabidopsis thaliana with a Pleiotropic Effect on Chloroplast Gene Expression. Plant Physiology, 1997, 113, 1023-1031.	2.3	23
61	Independent evolution of the prochlorophyte and green plant chlorophyll a/b light-harvesting proteins. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 15244-15248.	3.3	223
62	The fucoxanthin-chlorophyll proteins from a chromophyte alga are part of a large multigene family: structural and evolutionary relationships to other light harvesting antennae. Molecular Genetics and Genomics, 1996, 253, 377-386.	2.4	49
63	Sequence conservation of light-harvesting and stress-response proteins in relation to the three-dimensional molecular structure of LHCII. Photosynthesis Research, 1995, 44, 139-148.	1.6	136
64	The Nuclear-encoded Chlorophyll-binding Photosystem II-S Protein Is Stable in the Absence of Pigments. Journal of Biological Chemistry, 1995, 270, 30141-30147.	1.6	70
65	Characterization of a cDNA Encoding a Fucoxanthin-Chlorophyll Protein from the Chromophyte Alga Heterosigma carterae. , 1995, , 963-966.		4
66	Nucleotide Sequence of a Tomato psbS Gene. Plant Physiology, 1994, 106, 1703-1704.	2.3	10
67	A nuclear photosynthetic electron transport mutant of Arabidopsis thaliana with altered expression of the chloroplast petA gene. Current Genetics, 1994, 25, 282-288.	0.8	19
68	Separation of closely related intrinsic membrane polypeptides of the photosystem II light-harvesting complex (LHC II) by reversed-phase high-performance liquid chromatography on a poly(styreneâ€"divinylbenzene) column. Journal of Chromatography A, 1994, 664, 33-38.	1.8	11
69	Evidence for a common origin of chloroplasts with light-harvesting complexes of different pigmentation. Nature, 1994, 367, 566-568.	13.7	187
70	Characterization of the light harvesting proteins of the chromophytic alga, Olisthodiscus luteus (Heterosigma carterae). Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1184, 118-126.	0.5	19
71	The intrinsic 22 kDa protein is a chlorophyll-binding subunit of photosystem II. FEBS Letters, 1994, 342, 261-266.	1.3	64
72	Nucleotide Sequence of an Arabidopsis thaliana Lhcb4 Gene. Plant Physiology, 1993, 103, 1451-1452.	2.3	14

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73	Effects of Temperature on the Phase Behavior and Permeability of Thylakoid Lipid Vesicles. Plant Physiology, 1992, 99, 912-918.	2.3	10
74	Identification of the polypeptides of the major light-harvesting complex of photosystem II (LHCII) with their genes in tomato. FEBS Letters, 1992, 305, 18-22.	1.3	29
75	Characterization of a spinachpsbScDNA encoding the 22 kDa protein of photosystem II. FEBS Letters, 1992, 314, 67-71.	1.3	99
76	A nomenclature for the genes encoding the chlorophylla/b-binding proteins of higher plants. Plant Molecular Biology Reporter, 1992, 10, 242-253.	1.0	155
77	Biochemical and biophysical properties of thylakoid acyl lipids. Biochimica Et Biophysica Acta - Bioenergetics, 1991, 1060, 133-158.	0.5	225
78	Chlorophyll a/b-binding proteins: an extended family. Trends in Biochemical Sciences, 1991, 16, 181-186.	3.7	273
79	Nucleotide sequence and chromosomal location of Cab11 and Cab12, the genes for the fourth polypeptide of the photosystem I light-harvesting antenna (LHCI). FEBS Letters, 1991, 280, 229-234.	1.3	53
80	Chlorophyll a/b binding (CAB) polypeptides of CP29, the internal chlorophyll a/b complex of PSII: characterization of the tomato gene encoding the 26 kDa (type 1) polypeptide, and evidence for a second CP29 polypeptide. Molecular Genetics and Genomics, 1991, 227, 277-284.	2.4	48
81	Sequence of a tomato gene encoding a third type of LHCII chlorophyll a/b-binding polypeptide. Plant Molecular Biology, 1991, 17, 923-925.	2.0	31
82	Effects of neutral and anionic lipids on digalactosyldiacylglycerol vesicle aggregation. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1030, 231-237.	1.4	24
83	STRUCTURE PREDICTION METHODS FOR MEMBRANE PROTEINS: COMPARISON WITH THE X-RAY STRUCTURE OF THE R. VIRIDIS PHOTOSYNTHETIC REACTION CENTRE. , 1990, , 395-404.		5
84	A new member of the CAB gene family: structure, expression and chromosomal location of Cab-8, the tomato gene encoding the Type III chlorophyll a/b-binding polypeptide of photosystem I. Plant Molecular Biology, 1989, 12, 257-270.	2.0	64
85	Permeability properties of large unilamellar vesicles of thylakoid lipids. Biochimica Et Biophysica Acta - Biomembranes, 1989, 984, 41-49.	1.4	18
86	The chlorophyll ab complex, CP29, is associated with the Photosystem II reaction centre core. Biochimica Et Biophysica Acta - Bioenergetics, 1989, 974, 180-184.	0.5	49
87	Intermittent-light chloroplasts are not developmentally equivalent to chlorina f2 chloroplasts in barley. Photosynthesis Research, 1988, 15, 195-203.	1.6	25
88	The chlorophyll-protein complexes of higher plant photosynthetic membranes or Just what green band is that?. Photosynthesis Research, 1988, 15, 3-32.	1.6	149
89	Salt-mediated interactions between vesicles of the thylakoid lipid digalactosyldiacylglycerol. Biochimica Et Biophysica Acta - Biomembranes, 1988, 938, 323-333.	1.4	40
90	Kinetically cooperative models: boundary movement in optical resolution, phase transitions, and biological morphogenesis. Canadian Journal of Chemistry, 1988, 66, 839-851.	0.6	1

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91	Assocation of the 33 kDa extrinsic polypeptide (water-splitting) with PS II particles: immunochemical quantification of residual polypeptide after membrane extraction. Photosynthesis Research, 1987, 13, 69-80.	1.6	25
92	Copper in photosystem II: association with LHC II. Photosynthesis Research, 1987, 14, 201-209.	1.6	23
93	Antibodies to the photosystem I chlorophyll a+b antenna cross-react with polypeptides of CP29 and LHCII. FEBS Journal, 1987, 163, 545-551.	0.2	49
94	Polypeptides belonging to each of the three major chlorophyll a + b protein complexes are present in a chlorophyll-b-less barley mutant. FEBS Journal, 1987, 165, 531-535.	0.2	56
95	Copper in Photosystem II. , 1987, , 573-576.		4
96	Synthesis of Chlorophyll-Binding Polypeptides during Greening of Etiolated Barley. , 1987, , 577-580.		2
97	Reconstitution of light-harvesting complexes and photosystem II cores into galactolipid and phospholipid liposomes.. Journal of Cell Biology, 1985, 100, 552-557.	2.3	42
98	Fluorescence decay kinetics of mutants of corn deficient in photosystem I and photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 767, 574-581.	0.5	22
99	Evidence that CP 47 (CPa-1) is the Reaction Centre of Photosystem II. , 1984, , 95-98.		7
100	Isolation of PS II reaction centre and its relationship to the minor chlorophyll-protein complexes. Journal of Cellular Biochemistry, 1983, 23, 171-179.	1.2	40
101	Relationship between the two minor chlorophyll a-protein complexes and the Photosystem II reaction centre. Biochimica Et Biophysica Acta - Bioenergetics, 1983, 724, 291-293.	0.5	62
102	The chlorophyll-protein complexes of Acetabularia. A novel chlorophyll ab complex which forms oligomers. Biochimica Et Biophysica Acta - Bioenergetics, 1982, 681, 248-255.	0.5	38
103	The nature of the light-harvesting complex as defined by sodium dodecyl sulfate polyacrylamide gel electrophoresis. Biochimica Et Biophysica Acta - Bioenergetics, 1982, 681, 256-262.	0.5	39
104	The effects of cations and trypsin on extraction of chlorophyll-protein complexes by octyl glucoside. Archives of Biochemistry and Biophysics, 1982, 214, 563-572.	1.4	26
105	Protein Synthesis by Isolated Acetabularia Chloroplasts. FEBS Journal, 1982, 128, 543-546.	0.2	13
106	Isolation and Properties of Chloroplast Coupling Factor from Wheat. FEBS Journal, 1981, 119, 145-150.	0.2	16
107	Hair morphogenesis inAcetabularia mediterranea: Temperature-dependent spacing and models of morphogen waves. Protoplasma, 1981, 106, 211-221.	1.0	44
108	Widespread Distribution of Some Minor Chlorophyll-Protein Complexes in Some Plants and Algae. Plant Physiology, 1981, 67, 1061-1063.	2.3	35

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109	Fractionation of Thylakoid Membranes with the Nonionic Detergent Octyl-Î²-d-glucopyranoside. Plant Physiology, 1980, 66, 428-432.	2.3	183
110	Protein synthesis by isolated Acetabularia chloroplasts. In vitro synthesis of the apoprotein of the P-700-chlorophyll a-protein complex (CP I). Nucleic Acids and Protein Synthesis, 1980, 609, 107-120.	1.7	29
111	The kinetic complexity of Acetabularia chloroplast DNA. Nucleic Acids and Protein Synthesis, 1978, 521, 67-73.	1.7	50
112	The effects of natural and synthetic sea water media on the growth and reproduction of Acetabularia. Phycologia, 1977, 16, 87-94.	0.6	10
113	Fractionation of Saprolegnia diclina (oomycetes) satellite DNAs by AgNO3/Cs2SO4 density gradient centrifugation. Nucleic Acids and Protein Synthesis, 1977, 479, 411-415.	1.7	2
114	Covalently closed minicircular DNA associated with Acetabularia chloroplasts. Nucleic Acids and Protein Synthesis, 1976, 447, 156-166.	1.7	41
115	Abnormal cells resulting from asexual reproduction in Acetabularia (Chlorophyceae, Siphonales). Phycologia, 1976, 15, 161-164.	0.6	5
116	Nuclear and Satellite DNA Base Composition and the Taxonomy of Saprolegnia (Oomycetes). Journal of General Microbiology, 1976, 96, 215-219.	2.3	7
117	Evidence for the occurrence of meiosis before cyst formation in Acetabularia mediterranea (Chlorophyceae, Siphonales). Phycologia, 1973, 12, 233-235.	0.6	20
118	Women Job Applicants. Science, 1973, 181, 496-496.	6.0	0
119	Isolation and base composition of DNAs of primitive land plants II. Mosses. Nucleic Acids and Protein Synthesis, 1972, 277, 29-34.	1.7	6
120	DNA base composition and the taxonomy of the Oomycetes. Canadian Journal of Microbiology, 1972, 18, 963-968.	0.8	23
121	Isolation and base composition of DNA's of primitive land plants I. Ferns and fern-allies. Nucleic Acids and Protein Synthesis, 1971, 254, 402-406.	1.7	6
122	Acetabularia Chloroplast DNA: Electron Microscopic Visualization. Science, 1970, 168, 981-982.	6.0	28
123	Functional analysis of early defective mutants of coliphage Î». Virology, 1970, 40, 792-799.	1.1	12
124	Replication of Chloroplast DNA of Tobacco. Science, 1966, 152, 1071-1074.	6.0	29
125	Spectra of arylarsinesâ€”II. Journal of Inorganic and Nuclear Chemistry, 1965, 27, 641-651.	0.5	11