

# Min Chen

## List of Publications by Year in descending order

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97  
papers

4,490  
citations

94269

37  
h-index

110170

64  
g-index

99  
all docs

99  
docs citations

99  
times ranked

3250  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chlorophyll f can replace chlorophyll a in the soluble antenna of dinoflagellates. <i>Photosynthesis Research</i> , 2022, 152, 13-22.	1.6	4
2	<i>Kovacicikia minuta</i> sp. nov. (Leptolyngbyaceae, Cyanobacteria), a new freshwater chlorophyll f-producing cyanobacterium. <i>Journal of Phycology</i> , 2022, 58, 424-435.	1.0	5
3	Photosynthesis   <i>Photosynthesis.</i> , 2021, , 150-156.		3
4	Light Harvesting Modulation in Photosynthetic Organisms. <i>Advances in Photosynthesis and Respiration</i> , 2021, , 223-246.	1.0	1
5	A unique photosystem I reaction center from a chlorophyll d-containing cyanobacterium <i>Acaryochloris marina</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 1740-1752.	4.1	19
6	The specificity of the bilin lyase CpcS for chromophore attachment to allophycocyanin in the chlorophyll f-containing cyanobacterium <i>Halomicronima hongdechloris</i> . <i>Photosynthesis Research</i> , 2021, , 1.	1.6	2
7	Photosynthesis   <i>Chlorophylls.</i> , 2021, , 157-162.		2
8	Solvent Effect on Supramolecular Self-Assembly of Chlorophylls a on Chemically Reduced Graphene Oxide. <i>Langmuir</i> , 2020, 36, 13575-13582.	1.6	9
9	Structural basis for the adaptation and function of chlorophyll f in photosystem I. <i>Nature Communications</i> , 2020, 11, 238.	5.8	75
10	Molecular Mechanism of Photosynthesis Driven by Red-Shifted Chlorophylls. , 2020, , 3-42.		1
11	Photosynthesis supported by a chlorophyll f-dependent, entropy-driven uphill energy transfer in <i>Halomicronema hongdechloris</i> cells adapted to far-red light. <i>Photosynthesis Research</i> , 2019, 139, 185-201.	1.6	59
12	Chlorophylls d and f: Synthesis, occurrence, light-harvesting, and pigment organization in chlorophyll-binding protein complexes. <i>Advances in Botanical Research</i> , 2019, , 121-139.	0.5	7
13	Widespread occurrence and unexpected diversity of red-shifted chlorophyll producing cyanobacteria in humid subtropical forest ecosystems. <i>Environmental Microbiology</i> , 2019, 21, 1497-1510.	1.8	41
14	Comparative analysis of thylakoid protein complexes in the mesophyll and bundle sheath cells from <i>C<sub>3</sub></i> , <i>C<sub>4</sub></i> and <i>C<sub>3</sub></i> - <i>C<sub>4</sub></i> Paniceae grasses. <i>Physiologia Plantarum</i> , 2019, 166, 134-147.	2.6	18
15	Genome and proteome of the chlorophyll f-producing cyanobacterium <i>Halomicronema hongdechloris</i> : adaptative proteomic shifts under different light conditions. <i>BMC Genomics</i> , 2019, 20, 207.	1.2	23
16	Orange and red carotenoid proteins are involved in the adaptation of the terrestrial cyanobacterium <i>Nostoc flagelliforme</i> to desiccation. <i>Photosynthesis Research</i> , 2019, 140, 103-113.	1.6	24
17	Correlation of bio-optical properties with photosynthetic pigment and microorganism distribution in microbial mats from Hamelin Pool, Australia. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	18
18	Genomic and transcriptomic insights into the survival of the subaerial cyanobacterium <i>Nostoc flagelliforme</i> in arid and exposed habitats. <i>Environmental Microbiology</i> , 2019, 21, 845-863.	1.8	32

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19	Spectral signatures of five hydroxymethyl chlorophyll a derivatives chemically derived from chlorophyll b or chlorophyll f. <i>Photosynthesis Research</i> , 2019, 140, 115-127.	1.6	13
20	Characterization of isolated photosystem I from <i>Halomicronema hongdechloris</i> , a chlorophyll f-producing cyanobacterium. <i>Photosynthetica</i> , 2018, 56, 306-315.	0.9	36
21	The identification of IsiA proteins binding chlorophyll d in the cyanobacterium <i>Acaryochloris marina</i> . <i>Photosynthesis Research</i> , 2018, 135, 165-175.	1.6	11
22	Far-red light promotes biofilm formation in the cyanobacterium <i>Acaryochloris marina</i> . <i>Environmental Microbiology</i> , 2018, 20, 535-545.	1.8	9
23	UV-B induced biosynthesis of a novel sunscreen compound in solar radiation and desiccation tolerant cyanobacteria. <i>Environmental Microbiology</i> , 2018, 20, 200-213.	1.8	40
24	The Complex Transcriptional Response of <i>Acaryochloris marina</i> to Different Oxygen Levels. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 517-532.	0.8	6
25	The C21-formyl group in chlorophyll f originates from molecular oxygen. <i>Journal of Biological Chemistry</i> , 2017, 292, 19279-19289.	1.6	20
26	Subcellular pigment distribution is altered under far-red light acclimation in cyanobacteria that contain chlorophyll f. <i>Photosynthesis Research</i> , 2017, 134, 183-192.	1.6	24
27	Characterization of the sulfur-formation ( <i>suf</i> ) genes in <i>Synechocystis</i> sp. PCC 6803 under photoautotrophic and heterotrophic growth conditions. <i>Planta</i> , 2017, 246, 927-938.	1.6	16
28	Genome Sequence of <i>Rhodoferrax antarcticus</i> ANT.BRT; A Psychrophilic Purple Nonsulfur Bacterium from an Antarctic Microbial Mat. <i>Microorganisms</i> , 2017, 5, 8.	1.6	16
29	Spectral properties of bacteriophytochrome AM1_5894 in the chlorophyll d-containing cyanobacterium <i>Acaryochloris marina</i> . <i>Scientific Reports</i> , 2016, 6, 27547.	1.6	16
30	A method for growing a monospecific epilithic cyanobacterial biofilm for use in marine ecological experiments. <i>Journal of Experimental Marine Biology and Ecology</i> , 2016, 480, 17-25.	0.7	0
31	Characterization of red-shifted phycobilisomes isolated from the chlorophyll f-containing cyanobacterium <i>Halomicronema hongdechloris</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 107-114.	0.5	91
32	Energy transfer in the chlorophyll f-containing cyanobacterium, <i>Halomicronema hongdechloris</i> , analyzed by time-resolved fluorescence spectroscopies. <i>Photosynthesis Research</i> , 2015, 125, 115-122.	1.6	23
33	Novel chlorophylls and new directions in photosynthesis research. <i>Functional Plant Biology</i> , 2015, 42, 493.	1.1	55
34	Hydroxylation of the C132 and C18 carbons of chlorophylls by heme and molecular oxygen. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, 1007-1013.	0.4	5
35	In vitro Conversion of Vinyl to Formyl Groups in Naturally Occurring Chlorophylls. <i>Scientific Reports</i> , 2015, 4, 6069.	1.6	36
36	Optimization and effects of different culture conditions on growth of <i>Halomicronema hongdechloris</i> a filamentous cyanobacterium containing chlorophyll f. <i>Frontiers in Plant Science</i> , 2014, 5, 67.	1.7	71

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37	Draft Genome Sequence of the Filamentous Cyanobacterium <i>Leptolyngbya</i> sp. Strain Heron Island J, Exhibiting Chromatic Acclimation. <i>Genome Announcements</i> , 2014, 2, .	0.8	12
38	Increased growth and pigment content of <i>Chromera velia</i> in mixotrophic culture. <i>FEMS Microbiology Ecology</i> , 2014, 88, 121-128.	1.3	10
39	Chlorophyll Modifications and Their Spectral Extension in Oxygenic Photosynthesis. <i>Annual Review of Biochemistry</i> , 2014, 83, 317-340.	5.0	194
40	Excited state properties of chlorophyll f in organic solvents at ambient and cryogenic temperatures. <i>Photosynthesis Research</i> , 2014, 121, 25-34.	1.6	26
41	Energy transfer processes in chlorophyll f-containing cyanobacteria using time-resolved fluorescence spectroscopy on intact cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1484-1489.	0.5	31
42	Chlorophyll d and <i>Acaryochloris marina</i> : current status. <i>Photosynthesis Research</i> , 2013, 116, 277-293.	1.6	66
43	Spectral expansion and antenna reduction can enhance photosynthesis for energy production. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 457-461.	2.8	85
44	Structure of Chlorophyll f. <i>Organic Letters</i> , 2013, 15, 1588-1590.	2.4	50
45	Spectroscopic Properties of Chlorophyll f. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11309-11317.	1.2	39
46	Extending the limits of natural photosynthesis and implications for technical light harvesting. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013, 17, 1-15.	0.4	84
47	Newly Isolated Chl d-Containing Cyanobacteria. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 686-690.	0.0	6
48	Isolation of Complete Chloroplasts from <i>Chromera Velia</i> – the Photosynthetic Relative of Parasitic Apicomplexa. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 436-439.	0.0	3
49	The Evolution of Far-Red Light Perception in <i>Acaryochloris Marina</i> , a Chlorophyll d-Containing Cyanobacterium. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 638-641.	0.0	1
50	Effects of Anaerobic Conditions on Photosynthetic Units of <i>Acaryochloris Marina</i> . <i>Advanced Topics in Science and Technology in China</i> , 2013, , 121-124.	0.0	5
51	Functioning of the Bidirectional Hydrogenase in Different Unicellular Cyanobacteria. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 733-736.	0.0	0
52	A cyanobacterium that contains chlorophyll f – a red-absorbing photopigment. <i>FEBS Letters</i> , 2012, 586, 3249-3254.	1.3	150
53	A Novel Epiphytic Chlorophyll d-containing Cyanobacterium Isolated from a Mangrove-associated Red Alga. <i>Journal of Phycology</i> , 2012, 48, 1320-1327.	1.0	32
54	Extinction coefficient for red-shifted chlorophylls: Chlorophyll d and chlorophyll f. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1292-1298.	0.5	124

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55	A unique regulation of the expression of the psbA, psbD, and psbE genes, encoding the D1, D2 and cytochrome b559 subunits of the Photosystem II complex in the chlorophyll d containing cyanobacterium <i>Acaryochloris marina</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1083-1094.	0.5	38
56	Phylogenetic analysis of the light-harvesting system in <i>Chromera velia</i> . <i>Photosynthesis Research</i> , 2012, 111, 19-28.	1.6	32
57	Expanding the solar spectrum used by photosynthesis. <i>Trends in Plant Science</i> , 2011, 16, 427-431.	4.3	356
58	Endolithic chlorophyll <i>d</i> -containing phototrophs. <i>ISME Journal</i> , 2011, 5, 1072-1076.	4.4	95
59	A Red-Shifted Chlorophyll. <i>Science</i> , 2010, 329, 1318-1319.	6.0	437
60	The molecular structure of the IsiA-Photosystem I supercomplex, modelled from high-resolution, crystal structures of Photosystem I and the CP43 protein. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 457-465.	0.5	14
61	A new chlorophyll <i>d</i> -containing cyanobacterium: evidence for niche adaptation in the genus <i>Acaryochloris</i> . <i>ISME Journal</i> , 2010, 4, 1456-1469.	4.4	59
62	<sup>18</sup> O Labeling of Chlorophyll <i>d</i> in <i>Acaryochloris marina</i> Reveals That Chlorophyll <i>a</i> and Molecular Oxygen Are Precursors. <i>Journal of Biological Chemistry</i> , 2010, 285, 28450-28456.	1.6	63
63	Chapter 15 The Chemistry and Biology of Light-Harvesting Complex II and Thylakoid Biogenesis: raison d'être of Chlorophylls <i>b</i> and <i>c</i> . <i>Advances in Photosynthesis and Respiration</i> , 2010, , 213-229.	1.0	1
64	Genomic Contributions to Understanding the Evolution of Red Algal Plastids and Pigment Biosynthesis. <i>Cellular Origin and Life in Extreme Habitats</i> , 2010, , 261-273.	0.3	0
65	Biogeography of Photosynthetic Light-Harvesting Genes in Marine Phytoplankton. <i>PLoS ONE</i> , 2009, 4, e4601.	1.1	43
66	Supramolecular organization of phycobiliproteins in the chlorophyll <i>d</i> -containing cyanobacterium <i>Acaryochloris marina</i> . <i>FEBS Letters</i> , 2009, 583, 2535-2539.	1.3	62
67	Chromatic photoacclimation extends utilisable photosynthetically active radiation in the chlorophyll <i>d</i> -containing cyanobacterium, <i>Acaryochloris marina</i> . <i>Photosynthesis Research</i> , 2009, 101, 69-75.	1.6	55
68	Nomenclature for membrane-bound light-harvesting complexes of cyanobacteria. <i>Photosynthesis Research</i> , 2008, 95, 147-154.	1.6	29
69	Tracking the molecular evolution of photosynthesis through characterization of atomic contents of the photosynthetic units. <i>Photosynthesis Research</i> , 2008, 97, 255-261.	1.6	3
70	Niche adaptation and genome expansion in the chlorophyll <i>d</i> -producing cyanobacterium <i>Acaryochloris marina</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2005-2010.	3.3	210
71	The Genome of <i>Heliobacterium modesticaldum</i> , a Phototrophic Representative of the <i>Firmicutes</i> Containing the Simplest Photosynthetic Apparatus. <i>Journal of Bacteriology</i> , 2008, 190, 4687-4696.	1.0	109
72	Molecular Basis of Antenna System Adaptation in a Chl <i>d</i> -Containing Organism. , 2008, , 243-246.		3

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73	Modelling the Structure of the IsiA-PS I Supercomplex. , 2008, , 347-350.		0
74	The Function of MgDVP in a Chlorophyll d-Containing Organism. , 2008, , 1125-1128.		1
75	An electron paramagnetic resonance investigation of the electron transfer reactions in the chlorophyll d-containing photosystem I of <i>Acaryochloris marina</i> . <i>FEBS Letters</i> , 2007, 581, 1567-1571.	1.3	7
76	Chromatic photoacclimation, photosynthetic electron transport and oxygen evolution in the Chlorophyll d-containing oxyphotobacterium <i>Acaryochloris marina</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 127-135.	0.5	52
77	Theoretical study on the thermodynamic properties of chlorophyll d-peptides coordinating ligand. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 603-609.	0.5	19
78	Evolution of the Inner Light-Harvesting Antenna Protein Family of Cyanobacteria, Algae, and Plants. <i>Journal of Molecular Evolution</i> , 2007, 64, 321-331.	0.8	19
79	Chlorophylls, ligands and assembly of light-harvesting complexes in chloroplasts. <i>Photosynthesis Research</i> , 2007, 94, 387-400.	1.6	110
80	Biology of the Chlorophyll D-Containing Cyanobacterium <i>Acaryochloris Marina</i> . <i>Cellular Origin and Life in Extreme Habitats</i> , 2007, , 101-123.	0.3	11
81	A niche for cyanobacteria containing chlorophyll d. <i>Nature</i> , 2005, 433, 820-820.	13.7	185
82	Photosynthetic Apparatus of Antenna-reaction Centres Supercomplexes in Oxyphotobacteria: Insight through Significance of Pcb/IsiA Proteins. <i>Photosynthesis Research</i> , 2005, 86, 165-173.	1.6	47
83	Unique Origin and Lateral Transfer of Prokaryotic Chlorophyll-b and Chlorophyll-d Light-Harvesting Systems. <i>Molecular Biology and Evolution</i> , 2005, 22, 21-28.	3.5	67
84	Excitation energy transfer from phycobiliprotein to chlorophyll d in intact cells of <i>Acaryochloris marina</i> studied by time- and wavelength-resolved fluorescence spectroscopy. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 1016.	1.6	48
85	The nature of the photosystem II reaction centre in the chlorophyll d-containing prokaryote, <i>Acaryochloris marina</i> . <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 1060.	1.6	85
86	Influence of Structure on Binding of Chlorophylls to Peptide Ligands. <i>Journal of the American Chemical Society</i> , 2005, 127, 2052-2053.	6.6	43
87	Structure of a large photosystem II supercomplex from <i>Acaryochloris marina</i> . <i>FEBS Letters</i> , 2005, 579, 1306-1310.	1.3	61
88	Spectroscopic Studies of Photosystem II in Chlorophyll d-Containing <i>Acaryochloris marina</i> . <i>Biochemistry</i> , 2005, 44, 11178-11187.	1.2	43
89	Iron deficiency induces a chlorophyll d-binding Pcb antenna system around Photosystem I in <i>Acaryochloris marina</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1708, 367-374.	0.5	46
90	Raman properties of chlorophyll d, the major pigment of <i>Acaryochloris marina</i> : studies using both Raman spectroscopy and density functional theory. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 527-534.	2.0	31

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91	Excitation Dynamics in the Core Antenna in the Photosystem I Reaction Center of the Chlorophyll d-Containing Photosynthetic Prokaryote <i>Acaryochloris marina</i> . <i>Journal of Physical Chemistry B</i> , 2003, 107, 1452-1457.	1.2	13
92	Structure of a photosystem II supercomplex isolated from <i>Prochloron didemni</i> retaining its chlorophyll a/b light-harvesting system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9050-9054.	3.3	86
93	Examination of the Photophysical Processes of Chlorophyll d Leading to a Clarification of Proposed Uphill Energy Transfer Processes in Cells of <i>Acaryochloris marina</i> . <i>Photochemistry and Photobiology</i> , 2003, 77, 628.	1.3	26
94	Examination of the Photophysical Processes of Chlorophyll d Leading to a Clarification of Proposed Uphill Energy Transfer Processes in Cells of <i>Acaryochloris marina</i> . <i>Photochemistry and Photobiology</i> , 2003, 77, 628-637.	1.3	2
95	Chlorophyll d as the major photopigment in <i>Acaryochloris marina</i> . <i>Journal of Porphyrins and Phthalocyanines</i> , 2002, 06, 763-773.	0.4	22
96	Raman spectroscopy of chlorophyll d from <i>Acaryochloris marina</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1556, 89-91.	0.5	28
97	The major light-harvesting pigment protein of <i>Acaryochloris marina</i> . <i>FEBS Letters</i> , 2002, 514, 149-152.	1.3	79