Robert E Blankenship

List of Publications by Year
in descending order

266	21,385	23879 60	12272 138
papers	citations	h-index	g-index

279	279	279	17015
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complete genome of the thermophilic purple sulfur Bacterium Thermochromatium tepidum compared to Allochromatium vinosum and other Chromatiaceae. Photosynthesis Research, 2022, 151, 125-142.	1.6	6
2	Discovery of Chlorophyll d: Isolation and Characterization of a Far-Red Cyanobacterium from the Original Site of Manning and Strain (1943) at Moss Beach, California. Microorganisms, 2022, 10, 819.	1.6	2
3	Structure of cyanobacterial phycobilisome core revealed by structural modeling and chemical cross-linking. Science Advances, 2021, 7, .	4.7	20
4	Photosynthesis tunes quantum-mechanical mixing of electronic and vibrational states to steer exciton energy transfer. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
5	Martin David Kamen (1913â€“2002): discoverer of carbon 14, and of new cytochromes in photosynthetic bacteria. Photosynthesis Research, 2021, 149, 265-273.	1.6	3
6	Redox conditions correlated with vibronic coupling modulate quantum beats in photosynthetic pigmentâ€“protein complexes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2112817118.	3.3	7
7	Extensive remodeling of the photosynthetic apparatus alters energy transfer among photosynthetic complexes when cyanobacteria acclimate to far-red light. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148064.	0.5	46
8	Cryo-EM structures of the air-oxidized and dithionite-reduced photosynthetic alternative complex III from Roseiflexus castenholzii. Science Advances, 2020, 6, eaba2739.	4.7	10
9	Analysis of the Complete Genome of the Alkaliphilic and Phototrophic Firmicute Heliorestis convoluta Strain HHT. Microorganisms, 2020, 8, 313.	1.6	10
10	Binding of red form of Orange Carotenoid Protein (OCP) to phycobilisome is not sufficient for quenching. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148155.	0.5	5
11	Revisiting high-resolution crystal structure of Phormidium rubidum phycocyanin. Photosynthesis Research, 2020, 144, 349-360.	1.6	5
12	A novel chlorophyll protein complex in the repair cycle of photosystem II. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21907-21913.	3.3	34
13	On Excitation Energy Transfer within the Baseplate BChl aâ€“CsmA Complex of Chloroflexus aurantiacus. Journal of Physical Chemistry B, 2019, 123, 9786-9791.	1.2	1
14	Coherent wavepackets in the Fenna-Matthews-Olson complex are robust to excitonic-structure perturbations caused by mutagenesis. EPJ Web of Conferences, 2019, 205, 10008.	0.1	0
15	On the interface of light-harvesting antenna complexes and reaction centers in oxygenic photosynthesis. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 148079.	0.5	34
16	Mapping the excitation energy migration pathways in phycobilisomes from the cyanobacterium Acaryochloris marina. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 286-296.	0.5	14
17	Excitation energy transfer in the far-red absorbing violaxanthin/vaucheriaxanthin chlorophyll a complex from the eustigmatophyte alga FP5. Photosynthesis Research, 2019, 140, 337-354.	1.6	9
18	Far-red light acclimation in diverse oxygenic photosynthetic organisms. Photosynthesis Research, 2019, 142, 349-359.	1.6	35

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19	Cu⁺ Contributes to the Orange Carotenoid Protein-Related Phycobilisome Fluorescence Quenching and Photoprotection in Cyanobacteria. Biochemistry, 2019, 58, 3109-3115.	1.2	9
20	Excitation Energy Transfer in Intact CpcL-Phycobilisomes from Synechocystis sp. PCC 6803. Journal of Physical Chemistry B, 2019, 123, 4695-4704.	1.2	10
21	Phycobilisomes Harbor FNR _L in Cyanobacteria. MBio, 2019, 10, .	1.8	31
22	Single-molecule trapping and spectroscopy reveals photophysical heterogeneity of phycobilisomes quenched by Orange Carotenoid Protein. Nature Communications, 2019, 10, 1172.	5.8	45
23	Electronic coherence lifetimes of the Fennaâ€“Matthewsâ€“Olson complex and light harvesting complex II. Chemical Science, 2019, 10, 10503-10509.	3.7	16
24	The influence of quaternary structure on the stability of Fennaâ€“Matthewsâ€“Olson (FMO) antenna complexes. Photosynthesis Research, 2019, 140, 39-49.	1.6	3
25	Neutron and X-ray analysis of the Fennaâ€“Matthewsâ€“Olson photosynthetic antenna complex from Prosthecochloris aestuarii. Acta Crystallographica Section F, Structural Biology Communications, 2019, 75, 171-175.	0.4	3
26	Remembering John M. Olson (1929â€“2017). Photosynthesis Research, 2018, 137, 161-169.	1.6	3
27	Primary and Higher Order Structure of the Reaction Center from the Purple Phototrophic Bacterium Blastochloris viridis: A Test for Native Mass Spectrometry. Journal of Proteome Research, 2018, 17, 1615-1623.	1.8	4
28	Supramolecular self-assembly of bacteriochlorophyll c molecules in aerosolized droplets to synthesize biomimetic chlorosomes. Journal of Photochemistry and Photobiology B: Biology, 2018, 185, 161-168.	1.7	7
29	Cryo-EM structure of the RC-LH core complex from an early branching photosynthetic prokaryote. Nature Communications, 2018, 9, 1568.	5.8	59
30	Impact of the lipid bilayer on energy transfer kinetics in the photosynthetic protein LH2. Chemical Science, 2018, 9, 3095-3104.	3.7	21
31	Redox Conditions Affect Ultrafast Exciton Transport in Photosynthetic Pigmentâ€“Protein Complexes. Journal of Physical Chemistry Letters, 2018, 9, 89-95.	2.1	9
32	Energy landscape of the intact and destabilized FMO antennas from C. tepidum and the L122Q mutant: Low temperature spectroscopy and modeling study. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 165-173.	0.5	9
33	Coherent wavepackets in the Fennaâ€“Matthewsâ€“Olson complex are robust to excitonic-structure perturbations caused by mutagenesis. Nature Chemistry, 2018, 10, 177-183.	6.6	93
34	Photoprotective, excited-state quenching mechanisms in diverse photosynthetic organisms. Journal of Biological Chemistry, 2018, 293, 5018-5025.	1.6	49
35	Structural heterogeneity leads to functional homogeneity in A. marina phycocyanin. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 544-553.	0.5	23
36	Excitonic Energy Landscape of the Y16F Mutant of the Chlorobium tepidum Fennaâ€“Matthewsâ€“Olson (FMO) Complex: High Resolution Spectroscopic and Modeling Studies. Journal of Physical Chemistry B, 2018, 122, 3734-3743.	1.2	10

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37	Near shot-noise limited time-resolved circular dichroism pump-probe spectrometer. Review of Scientific Instruments, 2018, 89, 033104.	0.6	12
38	Photoactivation and relaxation studies on the cyanobacterial orange carotenoid protein in the presence of copper ion. Photosynthesis Research, 2018, 135, 143-147.	1.6	4
39	Farâ€red light promotes biofilm formation in the cyanobacterium Acaryochloris marina. Environmental Microbiology, 2018, 20, 535-545.	1.8	9
40	Characterization of a newly isolated freshwater Eustigmatophyte alga capable of utilizing far-red light as its sole light source. Photosynthesis Research, 2018, 135, 177-189.	1.6	34
41	Energy transfer in purple bacterial photosynthetic units from cells grown in various light intensities. Photosynthesis Research, 2018, 137, 389-402.	1.6	8
42	Excited-state properties of the central-cis isomer of the carotenoid peridinin. Archives of Biochemistry and Biophysics, 2018, 649, 29-36.	1.4	6
43	Excitation energy transfer kinetics and efficiency in phototrophic green sulfur bacteria. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 1180-1190.	0.5	13
44	Photosynthetic Electron Transport. , 2018, , 1-7.		0
45	Orange Carotenoid Protein as a Control Element in an Antenna System Based on a DNA Nanostructure. Nano Letters, 2017, 17, 1174-1180.	4.5	15
46	Probing the excitonic landscape of the Chlorobaculum tepidum Fenna-Matthews-Olson (FMO) complex: a mutagenesis approach. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 288-296.	0.5	30
47	Engineered holocytochrome c synthases that biosynthesize new cytochromes c. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2235-2240.	3.3	14
48	Ultrafast Spectroscopic Investigation of Energy Transfer in Site-Directed Mutants of the Fennaâ€“Matthewsâ€“Olson (FMO) Antenna Complex from Chlorobaculum tepidum. Journal of Physical Chemistry B, 2017, 121, 4700-4712.	1.2	11
49	A Molecular Mechanism for Nonphotochemical Quenching in Cyanobacteria. Biochemistry, 2017, 56, 2812-2823.	1.2	24
50	Polymerâ€“Chlorosome Nanocomposites Consisting of Non-Native Combinations of Self-Assembling Bacteriochlorophylls. Langmuir, 2017, 33, 6427-6438.	1.6	17
51	Light harvesting in phototrophic bacteria: structure and function. Biochemical Journal, 2017, 474, 2107-2131.	1.7	96
52	How Cyanobacteria went green. Science, 2017, 355, 1372-1373.	6.0	20
53	Native Mass Spectrometry Analysis of Oligomerization States of Fluorescence Recovery Protein and Orange Carotenoid Protein: Two Proteins Involved in the Cyanobacterial Photoprotection Cycle. Biochemistry, 2017, 56, 160-166.	1.2	26
54	Absence of Selection for Quantum Coherence in the Fennaâ€“Matthewsâ€“Olson Complex: A Combined Evolutionary and Excitonic Study. ACS Central Science, 2017, 3, 1086-1095.	5.3	11

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55	Subcellular pigment distribution is altered under far-red light acclimation in cyanobacteria that contain chlorophyll f. Photosynthesis Research, 2017, 134, 183-192.	1.6	24
56	Native Mass Spectrometry Characterizes the Photosynthetic Reaction Center Complex from the Purple Bacterium Rhodobacter sphaeroides. Journal of the American Society for Mass Spectrometry, 2017, 28, 87-95.	1.2	9
57	Novel insights into the origin and diversification of photosynthesis based on analyses of conserved indels in the core reaction center proteins. Photosynthesis Research, 2017, 131, 159-171.	1.6	14
58	Genome Sequence of Rhodoferax antarcticus ANT.BRT; A Psychrophilic Purple Nonsulfur Bacterium from an Antarctic Microbial Mat. Microorganisms, 2017, 5, 8.	1.6	16
59	Transcriptomic analysis illuminates genes involved in chlorophyll synthesis after nitrogen starvation in Acaryochloris sp. CCMEE 5410. Photosynthesis Research, 2016, 129, 171-182.	1.6	27
60	Native mass spectrometry and ion mobility characterize the orange carotenoid protein functional domains. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 734-739.	0.5	18
61	Fast Photochemical Oxidation of Proteins Maps the Topology of Intrinsic Membrane Proteins: Light-Harvesting Complex 2 in a Nanodisc. Analytical Chemistry, 2016, 88, 8827-8834.	3.2	56
62	Effect of Spectral Density Shapes on the Excitonic Structure and Dynamics of the Fennaâ€“Matthewsâ€“Olson Trimer from Chlorobaculum tepidum. Journal of Physical Chemistry A, 2016, 120, 6146-6154.	1.1	29
63	The Diversity of Photosynthetic Cytochromes. Advances in Photosynthesis and Respiration, 2016, , 25-50.	1.0	0
64	Evidence for a cysteine-mediated mechanism of excitation energy regulation in a photosynthetic antenna complex. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4486-93.	3.3	45
65	Isotope-Encoded Carboxyl Group Footprinting for Mass Spectrometry-Based Protein Conformational Studies. Journal of the American Society for Mass Spectrometry, 2016, 27, 178-181.	1.2	9
66	Perturbation of bacteriochlorophyll molecules in Fennaâ€“Matthewsâ€“Olson protein complexes through mutagenesis of cysteine residues. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1455-1463.	0.5	26
67	Carotenoid-induced non-photochemical quenching in the cyanobacterial chlorophyll synthaseâ€“HliC/D complex. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1430-1439.	0.5	54
68	Carotenoid-to-Bacteriochlorophyll Energy Transfer in the LH1â€“RC Core Complex of a Bacteriochlorophyll b Containing Purple Photosynthetic Bacterium Blastochloris viridis. Journal of Physical Chemistry B, 2016, 120, 5159-5171.	1.2	10
69	Dramatic Domain Rearrangements of the Cyanobacterial Orange Carotenoid Protein upon Photoactivation. Biochemistry, 2016, 55, 1003-1009.	1.2	56
70	Directed assembly of the thylakoid membrane on nanostructured TiO₂for a photo-electrochemical cell. Nanoscale, 2016, 8, 1868-1872.	2.8	35
71	Supramolecular organization of photosynthetic complexes in membranes of Roseiflexus castenholzii. Photosynthesis Research, 2016, 127, 117-130.	1.6	13
72	Electronâ€capture dissociation and ion mobility mass spectrometry for characterization of the hemoglobin protein assembly. Protein Science, 2015, 24, 1325-1332.	3.1	26

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73	Oligomerization state and pigment binding strength of the peridininâ€Chlaâ€protein. FEBS Letters, 2015, 589, 2713-2719.	1.3	1
74	The Fate of the Triplet Excitations in the Fennaâ€“Matthewsâ€“Olson Complex. Journal of Physical Chemistry B, 2015, 119, 5765-5772.	1.2	16
75	Top-Down Mass Spectrometry Analysis of Membrane-Bound Light-Harvesting Complex 2 from Rhodobacter sphaeroides. Biochemistry, 2015, 54, 7261-7271.	1.2	10
76	Dynamics of Energy and Electron Transfer in the FMO-Reaction Center Core Complex from the Phototrophic Green Sulfur Bacterium Chlorobaculum tepidum. Journal of Physical Chemistry B, 2015, 119, 8321-8329.	1.2	31
77	Redesigning photosynthesis to sustainably meet global food and bioenergy demand. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8529-8536.	3.3	751
78	Using photosystem I as a reporter protein for 13C analysis in a coculture containing cyanobacterium and a heterotrophic bacterium. Analytical Biochemistry, 2015, 477, 86-88.	1.1	6
79	Structural and functional dynamics of photosynthetic antenna complexes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13751-13752.	3.3	8
80	Linker-Free Deposition and Adhesion of Photosystem I onto Nanostructured TiO₂ for Biohybrid Photoelectrochemical Cells. Langmuir, 2015, 31, 1675-1682.	1.6	62
81	Spectroscopic properties of the Chlorophyll aâ€“Chlorophyll c 2â€“Peridinin-Protein-Complex (acpPC) from the coral symbiotic dinoflagellate Symbiodinium. Photosynthesis Research, 2014, 120, 125-139.	1.6	44
82	On destabilization of the Fennaâ€“Matthewsâ€“Olson complex of Chlorobaculum tepidum. Photosynthesis Research, 2014, 120, 323-329.	1.6	16
83	Excited state properties of chlorophyll f in organic solvents at ambient and cryogenic temperatures. Photosynthesis Research, 2014, 121, 25-34.	1.6	26
84	Excited State Properties of 3â€²-Hydroxyechinenone in Solvents and in the Orange Carotenoid Protein from Synechocystis sp. PCC 6803. Journal of Physical Chemistry B, 2014, 118, 6141-6149.	1.2	26
85	Intensity Dependence of the Excited State Lifetimes and Triplet Conversion Yield in the Fennaâ€“Matthewsâ€“Olson Antenna Protein. Journal of Physical Chemistry B, 2014, 118, 2058-2069.	1.2	18
86	Molecular Mechanism of Photoactivation and Structural Location of the Cyanobacterial Orange Carotenoid Protein. Biochemistry, 2014, 53, 13-19.	1.2	92
87	Structural studies show energy transfer within stabilized phycobilisomes independent of the mode of rodâ€“core assembly. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 385-395.	0.5	43
88	Site-directed mutagenesis of the highly perturbed copper site of auracyanin D. Archives of Biochemistry and Biophysics, 2014, 564, 237-243.	1.4	9
89	Chemical activation of the cyanobacterial orange carotenoid protein. FEBS Letters, 2014, 588, 4561-4565.	1.3	27
90	Evidence of functional trimeric chlorophyll a/c-peridinin proteins in the dinoflagellate Symbiodinium. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1904-1912.	0.5	14

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91	Photophysical Properties of the Excited States of Bacteriochlorophyll f in Solvents and in Chlorosomes. Journal of Physical Chemistry B, 2014, 118, 2295-2305.	1.2	24
92	Lights, X-Rays, Oxygen!. Cell, 2014, 158, 701-703.	13.5	0
93	Characterisation of the LH2 spectral variants produced by the photosynthetic purple sulphur bacterium Allochromatium vinosum. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1849-1860.	0.5	31
94	Structural Analysis of Diheme Cytochrome c by Hydrogenâ€“Deuterium Exchange Mass Spectrometry and Homology Modeling. Biochemistry, 2014, 53, 5619-5630.	1.2	15
95	Introduction to accompany the special issue on light-harvesting. Photosynthesis Research, 2014, 121, 1-1.	1.6	0
96	Mass spectrometry footprinting reveals the structural rearrangements of cyanobacterial orange carotenoid protein upon light activation. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1955-1963.	0.5	47
97	Structural Analysis of the Homodimeric Reaction Center Complex from the Photosynthetic Green Sulfur Bacterium Chlorobaculum tepidum. Biochemistry, 2014, 53, 4924-4930.	1.2	27
98	Triplet Excited State Energies and Phosphorescence Spectra of (Bacterio)Chlorophylls. Journal of Physical Chemistry B, 2014, 118, 7221-7232.	1.2	41
99	Modeling of Various Optical Spectra in the Presence of Slow Excitation Energy Transfer in Dimers and Trimers with Weak Interpigment Coupling: FMO as an Example. Journal of Physical Chemistry B, 2014, 118, 2032-2040.	1.2	14
100	Chemical oxidation of the FMO antenna protein from Chlorobaculum tepidum. Photosynthesis Research, 2013, 116, 11-19.	1.6	18
101	Phycobilisomes Supply Excitations to Both Photosystems in a Megacomplex in Cyanobacteria. Science, 2013, 342, 1104-1107.	6.0	299
102	Metalloproteins Diversified: The Auracyanins Are a Family of Cupredoxins That Stretch the Spectral and Redox Limits of Blue Copper Proteins. Biochemistry, 2013, 52, 8267-8275.	1.2	21
103	Spectral expansion and antenna reduction can enhance photosynthesis for energy production. Current Opinion in Chemical Biology, 2013, 17, 457-461.	2.8	85
104	Alternative Complex III from phototrophic bacteria and its electron acceptor auracyanin. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 1383-1391.	0.5	37
105	Biomimetic approach to synthesize sensitizers for hybrid solar cells. , 2013, , .		0
106	Photosystem trap energies and spectrally-dependent energy-storage efficiencies in the Chl d-utilizing cyanobacterium, Acaryochloris marina. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 255-265.	0.5	24
107	Comparison of the physical characteristics of chlorosomes from three different phyla of green phototrophic bacteria. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 1235-1244.	0.5	22
108	Native mass spectrometry of photosynthetic pigmentâ€“protein complexes. FEBS Letters, 2013, 587, 1012-1020.	1.3	50

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109	Spectroscopic insights into the decreased efficiency of chlorosomes containing bacteriochlorophyll f. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 493-501.	0.5	30
110	Chlorosome antenna complexes from green photosynthetic bacteria. Photosynthesis Research, 2013, 116, 315-331.	1.6	218
111	Functional analysis and expression of the mono-heme containing cytochrome c subunit of alternative complex III in Chloroflexus aurantiacus. Archives of Biochemistry and Biophysics, 2013, 535, 197-204.	1.4	9
112	Low-Temperature Spectroscopic Properties of the Peridininâ€“Chlorophyll aâ€“Protein (PCP) Complex from the Coral Symbiotic Dinoflagellate Symbiodinium. Journal of Physical Chemistry B, 2013, 117, 11091-11099.	1.2	34
113	Unique Central Carbon Metabolic Pathways and Novel Enzymes in Phototrophic Bacteria Revealed by Integrative Genomics, 13C-based Metabolomics and Fluxomics. Advanced Topics in Science and Technology in China, 2013, , 339-343.	0.0	2
114	Production and performance of a Photosystem I-based solar cell using nano-columnar TiO<inf>2</inf>. , 2013, , .		1
115	Native Mass Spectrometry Characterization of Intact Nanodisc Lipoprotein Complexes. Analytical Chemistry, 2012, 84, 8957-8960.	3.2	95
116	Recent advances in mapping environmental microbial metabolisms through ¹³ C isotopic fingerprints. Journal of the Royal Society Interface, 2012, 9, 2767-2780.	1.5	34
117	Solâ€“gel entrapped light harvesting antennas: immobilization and stabilization of chlorosomes for energy harvesting. Journal of Materials Chemistry, 2012, 22, 22582.	6.7	11
118	Hydrogenâ€“Deuterium Exchange Mass Spectrometry Reveals the Interaction of Fennaâ€“Matthewsâ€“Olson Protein and Chlorosome CsmA Protein. Biochemistry, 2012, 51, 187-193.	1.2	30
119	Expression and characterization of the diheme cytochrome c subunit of the cytochrome bc complex in Heliobacterium modesticaldum. Archives of Biochemistry and Biophysics, 2012, 517, 131-137.	1.4	16
120	Nano-Biohybrid Light-Harvesting Systems for Solar Energy Applications. Materials Research Society Symposia Proceedings, 2012, 1445, 1.	0.1	0
121	Characterization and deposition of various light-harvesting antenna complexes by electrospray atomization. Analytical and Bioanalytical Chemistry, 2012, 404, 2329-2338.	1.9	18
122	Bacteriochlorophyll f: properties of chlorosomes containing the â€œforbidden chlorophyllâ€• Frontiers in Microbiology, 2012, 3, 298.	1.5	49
123	Measurement of solar spectra relating to photosynthesis and solar cells: An inquiry lab for secondary science. Biochemistry and Molecular Biology Education, 2012, 40, 241-245.	0.5	0
124	Extinction coefficient for red-shifted chlorophylls: Chlorophyll d and chlorophyll f. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1292-1298.	0.5	124
125	Characterization of the peridininâ€“chlorophyll a-protein complex in the dinoflagellate Symbiodinium. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 983-989.	0.5	33
126	Neutron and light scattering studies of light-harvesting photosynthetic antenna complexes. Photosynthesis Research, 2012, 111, 205-217.	1.6	19

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127	Excitation energy transfer and trapping dynamics in the core complex of the filamentous photosynthetic bacterium Roseiflexus castenholzii. Photosynthesis Research, 2012, 111, 149-156.	1.6	18
128	Robustness of electronic coherence in the Fennaâ€“Matthewsâ€“Olson complex to vibronic and structural modifications. Faraday Discussions, 2011, 150, 459.	1.6	58
129	Native Electrospray Mass Spectrometry Reveals the Nature and Stoichiometry of Pigments in the FMO Photosynthetic Antenna Protein. Biochemistry, 2011, 50, 3502-3511.	1.2	69
130	Temperature and Ionic Strength Effects on the Chlorosome Light-Harvesting Antenna Complex. Langmuir, 2011, 27, 4816-4828.	1.6	21
131	Native Electrospray and Electron-Capture Dissociation FTICR Mass Spectrometry for Top-Down Studies of Protein Assemblies. Analytical Chemistry, 2011, 83, 5598-5606.	3.2	141
132	The light intensity under which cells are grown controls the type of peripheral light-harvesting complexes that are assembled in a purple photosynthetic bacterium. Biochemical Journal, 2011, 440, 51-61.	1.7	33
133	Comparing the Temperature Dependence of Photosynthetic Electron Transfer in Chloroflexus aurantiacus and Rhodobactor sphaeroides Reaction Centers. Journal of Physical Chemistry B, 2011, 115, 11230-11238.	1.2	7
134	Expanding the solar spectrum used by photosynthesis. Trends in Plant Science, 2011, 16, 427-431.	4.3	356
135	Dynamics of Gene Duplication in the Genomes of Chlorophyll d-Producing Cyanobacteria: Implications for the Ecological Niche. Genome Biology and Evolution, 2011, 3, 601-613.	1.1	48
136	Structural model and spectroscopic characteristics of the FMO antenna protein from the aerobic chlorophototroph, Candidatus Chloracidobacterium thermophilum. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 157-164.	0.5	26
137	Kinetics and energetics of electron transfer in reaction centers of the photosynthetic bacterium Roseiflexus castenholzii. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 262-269.	0.5	28
138	Energy transfer in an LH4-like light harvesting complex from the aerobic purple photosynthetic bacterium Roseobacter denitrificans. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 518-528.	0.5	22
139	Comparing Photosynthetic and Photovoltaic Efficiencies and Recognizing the Potential for Improvement. Science, 2011, 332, 805-809.	6.0	1,369
140	Evolution of Photosynthesis. Annual Review of Plant Biology, 2011, 62, 515-548.	8.6	593
141	The three-dimensional structure of the FMO protein from Pelodictyon phaeum and the implications for energy transfer. Photosynthesis Research, 2011, 107, 139-150.	1.6	30
142	Triplet excited state spectra and dynamics of carotenoids from the thermophilic purple photosynthetic bacterium Thermochromatium tepidum. Photosynthesis Research, 2011, 107, 177-186.	1.6	27
143	Ultrafast time-resolved spectroscopy of the light-harvesting complex 2 (LH2) from the photosynthetic bacterium Thermochromatium tepidum. Photosynthesis Research, 2011, 110, 49-60.	1.6	18
144	Complete genome sequence of the filamentous anoxygenic phototrophic bacterium Chloroflexus aurantiacus. BMC Genomics, 2011, 12, 334.	1.2	90

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145	Early Evolution of Photosynthesis. Plant Physiology, 2010, 154, 434-438.	2.3	282
146	Native electrospray and electron-capture dissociation in FTICR mass spectrometry provide top-down sequencing of a protein component in an intact protein assembly. Journal of the American Society for Mass Spectrometry, 2010, 21, 1966-1968.	1.2	103
147	Characterization of the FMO protein from the aerobic chlorophototroph, Candidatus Chloracidobacterium thermophilum. Photosynthesis Research, 2010, 104, 201-209.	1.6	31
148	Insights into heliobacterial photosynthesis and physiology from the genome of Heliobacterium modesticaldum. Photosynthesis Research, 2010, 104, 113-122.	1.6	28
149	Modulation of fluorescence in Heliobacterium modesticaldum cells. Photosynthesis Research, 2010, 104, 283-292.	1.6	6
150	Singlet and triplet excited state properties of natural chlorophylls and bacteriochlorophylls. Photosynthesis Research, 2010, 106, 227-238.	1.6	112
151	Metabolic flexibility revealed in the genome of the cyst-forming Î±-1 proteobacterium Rhodospirillum centenum. BMC Genomics, 2010, 11, 325.	1.2	32
152	Energy metabolism of Heliobacterium modesticaldum during phototrophic and chemotrophic growth. BMC Microbiology, 2010, 10, 150.	1.3	41
153	Carbon Flow of Heliobacteria Is Related More to Clostridia than to the Green Sulfur Bacteria. Journal of Biological Chemistry, 2010, 285, 35104-35112.	1.6	27
154	Metabolic Flux Analysis of the Mixotrophic Metabolisms in the Green Sulfur Bacterium Chlorobaculum tepidum. Journal of Biological Chemistry, 2010, 285, 39544-39550.	1.6	50
155	Both Forward and Reverse TCA Cycles Operate in Green Sulfur Bacteria. Journal of Biological Chemistry, 2010, 285, 35848-35854.	1.6	75
156	SANS Investigation of the Photosynthetic Machinery of Chloroflexus aurantiacus. Biophysical Journal, 2010, 99, 2398-2407.	0.2	21
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