C Neil Hunter

List of Publications by Year
in descending order

245 papers	12,279 citations	16451 64 h-index	38395 95 g-index
249 all docs	249 docs citations	249 times ranked	6207 citing authors

#	Article	IF	Citations
1	Redesigning the photosynthetic light reactions to enhance photosynthesis â€“ the <i>PhotoRedesign</i> consortium. Plant Journal, 2022, 109, 23-34.	5.7	21
2	FRET measurement of cytochrome bc1 and reaction centre complex proximity in live Rhodobacter sphaeroides cells. Biochimica Et Biophysica Acta - Bioenergetics, 2022, 1863, 148508.	1.0	5
3	2.4-Ã… structure of the double-ring <i>Gemmatimonas phototrophica</i> photosystem. Science Advances, 2022, 8, eabk3139.	10.3	16
4	Changes in supramolecular organization of cyanobacterial thylakoid membrane complexes in response to far-red light photoacclimation. Science Advances, 2022, 8, eabj4437.	10.3	9
5	Engineering purple bacterial carotenoid biosynthesis to study the roles of carotenoids in light-harvesting complexes. Methods in Enzymology, 2022, , .	1.0	1
6	Cryo-EM structures of the <i>Synechocystis</i> sp. PCC 6803 cytochrome <i>b</i>6<i>f</i> complex with and without the regulatory PetP subunit. Biochemical Journal, 2022, 479, 1487-1503.	3.7	7
7	Multiscale modeling and cinematic visualization of photosynthetic energy conversion processes from electronic to cell scales. Parallel Computing, 2021, 102, 102698.	2.1	10
8	Developmental acclimation of the thylakoid proteome to light intensity in <i>Arabidopsis</i>. Plant Journal, 2021, 105, 223-244.	5.7	43
9	Structures of <i>Rhodopseudomonas palustris</i> RC-LH1 complexes with open or closed quinone channels. Science Advances, 2021, 7, .	10.3	38
10	The 2.4 Ã… cryo-EM structure of a heptameric light-harvesting 2 complex reveals two carotenoid energy transfer pathways. Science Advances, 2021, 7, .	10.3	26
11	How the O2-dependent Mg-protoporphyrin monomethyl ester cyclase forms the fifth ring of chlorophylls. Nature Plants, 2021, 7, 365-375.	9.3	6
12	Evolution of Ycf54-independent chlorophyll biosynthesis in cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	7
13	Cytochrome b6f â€“ Orchestrator of photosynthetic electron transfer. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148380.	1.0	75
14	Cryo-EM structure of the monomeric <i>Rhodobacter sphaeroides</i> RCâ€“LH1 core complex at 2.5â€…Ã…. Biochemical Journal, 2021, 478, 3775-3790.	3.7	33
15	Cryo-EM structure of the <i>Rhodospirillum rubrum</i> RCâ€“LH1 complex at 2.5â€…Ã…. Biochemical Journal, 2021, 478, 3253-3263.	3.7	23
16	Comparative proteomics of thylakoids from <i>Arabidopsis</i> grown in laboratory and field conditions. Plant Direct, 2021, 5, e355.	1.9	4
17	Cryo-EM Structure of the <i>Rhodobacter sphaeroides</i> Light-HarvestingÂ2 Complex at 2.1 Ã…. Biochemistry, 2021, 60, 3302-3314.	2.5	38
18	Cryo-EM structure of the dimeric <i>Rhodobacter sphaeroides</i> RC-LH1 core complex at 2.9â€…Ã…: the structural basis for dimerisation. Biochemical Journal, 2021, 478, 3923-3937.	3.7	26

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19	Multicomponent Nanoscale Patterning of Functional Lightâ€Harvesting Protein Complexes by Local Oxidation Lithography. Advanced Materials Interfaces, 2021, 8, 2001670.	3.7	0
20	Carotenoid-to-(bacterio)chlorophyll energy transfer in LH2 antenna complexes from Rba. sphaeroides reconstituted with non-native (bacterio)chlorophylls. Photosynthesis Research, 2020, 144, 155-169.	2.9	6
21	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.	1.0	46
22	Progress and challenges in engineering cyanobacteria as chassis for lightâ€driven biotechnology. Microbial Biotechnology, 2020, 13, 363-367.	4.2	41
23	A Thermostable Protein Matrix for Spectroscopic Analysis of Organic Semiconductors. Journal of the American Chemical Society, 2020, 142, 13898-13907.	13.7	3
24	The active site of magnesium chelatase. Nature Plants, 2020, 6, 1491-1502.	9.3	27
25	Excitation energy transfer between monomolecular layers of light harvesting LH2 and LH1-reaction centre complexes printed on a glass substrate. Lab on A Chip, 2020, 20, 2529-2538.	6.0	7
26	Chromosome-free bacterial cells are safe and programmable platforms for synthetic biology. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6752-6761.	7.1	32
27	A photosynthetic antenna complex foregoes unity carotenoid-to-bacteriochlorophyll energy transfer efficiency to ensure photoprotection. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6502-6508.	7.1	25
28	Biosynthesis of the modified tetrapyrrolesâ€"the pigments of life. Journal of Biological Chemistry, 2020, 295, 6888-6925.	3.4	170
29	Protochlorophyllide synthesis by recombinant cyclases from eukaryotic oxygenic phototrophs and the dependence on Ycf54. Biochemical Journal, 2020, 477, 2313-2325.	3.7	8
30	Xanthophyll carotenoids stabilise the association of cyanobacterial chlorophyll synthase with the LHC-like protein HliD. Biochemical Journal, 2020, 477, 4021-4036.	3.7	15
31	Membrane organization of photosystem I complexes in the most abundant phototroph on Earth. Nature Plants, 2019, 5, 879-889.	9.3	22
32	Phosphite binding by the HtxB periplasmic binding protein depends on the protonation state of the ligand. Scientific Reports, 2019, 9, 10231.	3.3	6
33	Single-molecule study of redox control involved in establishing the spinach plastocyanin-cytochrome bf electron transfer complex. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 591-599.	1.0	4
34	Atoms to Phenotypes: Molecular Design Principles of Cellular Energy Metabolism. Cell, 2019, 179, 1098-1111.e23.	28.9	122
35	Cryo-EM structure of the spinach cytochrome b6â€‰fâ€…complex at 3.6ÂÅ… resolution. Nature, 2019, 575, 535-539.	27.8	83
36	Proteorhodopsin Overproduction Enhances the Long-Term Viability of Escherichia coli. Applied and Environmental Microbiology, 2019, 86, .	3.1	12

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37	Depletion of the FtsH1/3 Proteolytic Complex Suppresses the Nutrient Stress Response in the Cyanobacterium <i>Synechocystis</i> sp strain PCC 6803. Plant Cell, 2019, 31, 2912-2928.	6.6	12
38	Engineering of B800 bacteriochlorophyll binding site specificity in the Rhodobacter sphaeroides LH2 antenna. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 209-223.	1.0	36
39	Dynamic Thylakoid Stacking Is Regulated by LHCII Phosphorylation but Not Its interaction with PSI. Plant Physiology, 2019, 180, 2152-2166.	4.8	54
40	Turning the challenge of quantum biology on its head: biological control of quantum optical systems. Faraday Discussions, 2019, 216, 57-71.	3.2	7
41	Picosecond Dynamical Response to a Pressure-Induced Break of the Tertiary Structure Hydrogen Bonds in a Membrane Chromoprotein. Journal of Physical Chemistry B, 2019, 123, 2087-2093.	2.6	4
42	Orientational Dynamics of Transition Dipoles and Exciton Relaxation in LH2 from Ultrafast Two-Dimensional Anisotropy. Journal of Physical Chemistry Letters, 2019, 10, 270-277.	4.6	11
43	The ChlD subunit links the motor and porphyrin binding subunits of magnesium chelatase. Biochemical Journal, 2019, 476, 1875-1887.	3.7	23
44	Dissecting the cytochrome <i>c</i>2â€“reaction centre interaction in bacterial photosynthesis using single molecule force spectroscopy. Biochemical Journal, 2019, 476, 2173-2190.	3.7	10
45	Engineered biosynthesis of bacteriochlorophyll gF in Rhodobacter sphaeroides. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 501-509.	1.0	15
46	Cryo-EM structure of the Blastochloris viridis LH1â€“RC complex at 2.9 Ã…. Nature, 2018, 556, 203-208.	27.8	88
47	Complete enzyme set for chlorophyll biosynthesis in <i>Escherichia coli</i>. Science Advances, 2018, 4, eaaq1407.	10.3	40
48	Dynamic thylakoid stacking regulates the balance between linear and cyclic photosynthetic electron transfer. Nature Plants, 2018, 4, 116-127.	9.3	98
49	Probing the local lipid environment of the cytochrome bc1 and Synechocystis sp. PCC 6803 cytochrome b6f complexes with styrene maleic acid. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 215-225.	1.0	29
50	Fabrication of microstructured binary polymer brush â€œcorralsâ€•with integral pH sensing for studies of proton transport in model membrane systems. Chemical Science, 2018, 9, 2238-2251.	7.4	26
51	Probing the quality control mechanism of the Escherichia coli twin-arginine translocase with folding variants of a de novoâ€“designed heme protein. Journal of Biological Chemistry, 2018, 293, 6672-6681.	3.4	17
52	Carotenoid to bacteriochlorophyll energy transfer in the RCâ€“LH1â€“PufX complex from Rhodobacter sphaeroides containing the extended conjugation keto-carotenoid diketospirilloxanthin. Photosynthesis Research, 2018, 135, 33-43.	2.9	2
53	Identification of protein W, the elusive sixth subunit of the Rhodopseudomonas palustris reaction center-light harvesting 1 core complex. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 119-128.	1.0	19
54	Correlated fluorescence quenching and topographic mapping of Light-Harvesting Complex II within surface-assembled aggregates and lipid bilayers. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 1075-1085.	1.0	24

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55	A synthetic biological quantum optical system. Nanoscale, 2018, 10, 13064-13073.	5.6	10
56	A paralog of a bacteriochlorophyll biosynthesis enzyme catalyzes the formation of 1,2-dihydrocarotenoids in green sulfur bacteria. Journal of Biological Chemistry, 2018, 293, 15233-15242.	3.4	9
57	Plant and algal chlorophyll synthases function in <i>Synechocystis</i> and interact with the YidC/Alb3 membrane insertase. FEBS Letters, 2018, 592, 3062-3073.	2.8	17
58	Augmenting light coverage for photosynthesis through YFP-enhanced charge separation at the Rhodobacter sphaeroides reaction centre. Nature Communications, 2017, 8, 13972.	12.8	40
59	Singleâ€cell genomics based on Raman sorting reveals novel carotenoidâ€containing bacteria in the Red Sea. Microbial Biotechnology, 2017, 10, 125-137.	4.2	72
60	The PufX quinone channel enables the lightâ€harvesting 1 antenna to bind more carotenoids for light collection and photoprotection. FEBS Letters, 2017, 591, 573-580.	2.8	21
61	A Novel Application of Non-Destructive Readout Technology to Localisation Microscopy. Scientific Reports, 2017, 7, 42313.	3.3	1
62	Micrometre and nanometre scale patterning of binary polymer brushes, supported lipid bilayers and proteins. Chemical Science, 2017, 8, 4517-4526.	7.4	20
63	The C-terminus of PufX plays a key role in dimerisation and assembly of the reaction center light-harvesting 1 complex from Rhodobacter sphaeroides. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 795-803.	1.0	22
64	Three classes of oxygen-dependent cyclase involved in chlorophyll and bacteriochlorophyll biosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6280-6285.	7.1	38
65	Lateral Segregation of Photosystem I in Cyanobacterial Thylakoids. Plant Cell, 2017, 29, 1119-1136.	6.6	54
66	Simple, Direct Routes to Polymer Brush Traps and Nanostructures for Studies of Diffusional Transport in Supported Lipid Bilayers. Langmuir, 2017, 33, 3672-3679.	3.5	4
67	Controlling transmembrane protein concentration and orientation in supported lipid bilayers. Chemical Communications, 2017, 53, 4250-4253.	4.1	13
68	Determination of Cell Doubling Times from the Return-on-Investment Time of Photosynthetic Vesicles Based on Atomic Detail Structural Models. Journal of Physical Chemistry B, 2017, 121, 3787-3797.	2.6	12
69	Communication: Broad manifold of excitonic states in light-harvesting complex 1 promotes efficient unidirectional energy transfer <i>in vivo</i>. Journal of Chemical Physics, 2017, 147, 131101.	3.0	13
70	PufQ regulates porphyrin flux at the haem/bacteriochlorophyll branchpoint of tetrapyrrole biosynthesis via interactions with ferrochelatase. Molecular Microbiology, 2017, 106, 961-975.	2.5	9
71	Engineering of a calcium-ion binding site into the RC-LH1-PufX complex of Rhodobacter sphaeroides to enable ion-dependent spectral red-shifting. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 927-938.	1.0	13
72	Mapping the ultrafast flow of harvested solar energy in living photosynthetic cells. Nature Communications, 2017, 8, 988.	12.8	44

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73	Origin of the S* Excited State Feature of Carotenoids in Light-Harvesting Complex 1 from Purple Photosynthetic Bacteria. Journal of Physical Chemistry B, 2017, 121, 7571-7585.	2.6	13
74	Development of SimCells as a novel chassis for functional biosensors. Scientific Reports, 2017, 7, 7261.	3.3	24
75	Conserved residues in Ycf54 are required for protochlorophyllide formation in Synechocystis sp. PCC 6803. Biochemical Journal, 2017, 474, 667-681.	3.7	12
76	Repurposing a photosynthetic antenna protein as a super-resolution microscopy label. Scientific Reports, 2017, 7, 16807.	3.3	1
77	From Monochrome to Technicolor: Simple Generic Approaches to Multicomponent Protein Nanopatterning Using Siloxanes with Photoremovable Protein-Resistant Protecting Groups. Langmuir, 2017, 33, 8829-8837.	3.5	10
78	Direct Imaging of Protein Organization in an Intact Bacterial Organelle Using High-Resolution Atomic Force Microscopy. ACS Nano, 2017, 11, 126-133.	14.6	45
79	New insights into the photochemistry of carotenoid spheroidenone in light-harvesting complex 2 from the purple bacterium Rhodobacter sphaeroides. Photosynthesis Research, 2017, 131, 291-304.	2.9	21
80	The molecular basis of phosphite and hypophosphite recognition by ABC-transporters. Nature Communications, 2017, 8, 1746.	12.8	50
81	Overall energy conversion efficiency of a photosynthetic vesicle. ELife, 2016, 5, .	6.0	63
82	Synthesis of Chlorophyll-Binding Proteins in a Fully Segregated Î”ycf54 Strain of the Cyanobacterium Synechocystis PCC 6803. Frontiers in Plant Science, 2016, 7, 292.	3.6	25
83	Absence of the <i>cbb</i> ₃ Terminal Oxidase Reveals an Active Oxygen-Dependent Cyclase Involved in Bacteriochlorophyll Biosynthesis in Rhodobacter sphaeroides. Journal of Bacteriology, 2016, 198, 2056-2063.	2.2	12
84	Two Unrelated 8-Vinyl Reductases Ensure Production of Mature Chlorophylls in Acaryochloris marina. Journal of Bacteriology, 2016, 198, 1393-1400.	2.2	11
85	The catalytic power of magnesium chelatase: a benchmark for the <scp>AAA</scp>⁺<scp>ATP</scp>ases. FEBS Letters, 2016, 590, 1687-1693.	2.8	12
86	PucC and LhaA direct efficient assembly of the lightâ€harvesting complexes in <i>Rhodobacter sphaeroides</i>. Molecular Microbiology, 2016, 99, 307-327.	2.5	29
87	Nanomechanical and Thermophoretic Analyses of the Nucleotide-Dependent Interactions between the AAA+ Subunits of Magnesium Chelatase. Journal of the American Chemical Society, 2016, 138, 6591-6597.	13.7	16
88	Biosynthesis of Chlorophyll <i>a</i> in a Purple Bacterial Phototroph and Assembly into a Plant Chlorophyllâ€“Protein Complex. ACS Synthetic Biology, 2016, 5, 948-954.	3.8	33
89	Strong Coupling of Localized Surface Plasmons to Excitons in Light-Harvesting Complexes. Nano Letters, 2016, 16, 6850-6856.	9.1	60
90	Evaluating the Nature of So-Called S*-State Feature in Transient Absorption of Carotenoids in Light-Harvesting Complex 2 (LH2) from Purple Photosynthetic Bacteria. Journal of Physical Chemistry B, 2016, 120, 11123-11131.	2.6	15

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91	Electronic Structure and Dynamics of Higher-Lying Excited States in Light Harvesting Complex 1 from <i>Rhodobacter sphaeroides</i>. Journal of Physical Chemistry A, 2016, 120, 4124-4130.	2.5	15
92	Quenching Capabilities of Long-Chain Carotenoids in Light-Harvesting-2 Complexes from <i>Rhodobacter sphaeroides</i> with an Engineered Carotenoid Synthesis Pathway. Journal of Physical Chemistry B, 2016, 120, 5429-5443.	2.6	22
93	Dimerization of core complexes as an efficient strategy for energy trapping in Rhodobacter sphaeroides. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 634-642.	1.0	14
94	Fabrication of Nanometer- and Micrometer-Scale Protein Structures by Site-Specific Immobilization of Histidine-Tagged Proteins to Aminosiloxane Films with Photoremovable Protein-Resistant Protecting Groups. Langmuir, 2016, 32, 1818-1827.	3.5	22
95	Atomic detail visualization of photosynthetic membranes with GPU-accelerated ray tracing. Parallel Computing, 2016, 55, 17-27.	2.1	37
96	Supramolecular organization of photosynthetic complexes in membranes of Roseiflexus castenholzii. Photosynthesis Research, 2016, 127, 117-130.	2.9	13
97	An intact light harvesting complex I antenna system is required for complete state transitions in Arabidopsis. Nature Plants, 2015, 1, 15176.	9.3	74
98	Interference lithographic nanopatterning of plant and bacterial light-harvesting complexes on gold substrates. Interface Focus, 2015, 5, 20150005.	3.0	10
99	Five Glutamic Acid Residues in the C-Terminal Domain of the ChlD Subunit Play a Major Role in Conferring Mg2+Cooperativity upon Magnesium Chelatase. Biochemistry, 2015, 54, 6659-6662.	2.5	6
100	Porphyrin Binding to Gun4 Protein, Facilitated by a Flexible Loop, Controls Metabolite Flow through the Chlorophyll Biosynthetic Pathway. Journal of Biological Chemistry, 2015, 290, 28477-28488.	3.4	28
101	Functional characteristics of spirilloxanthin and keto-bearing Analogues in light-harvesting LH2 complexes from Rhodobacter sphaeroides with a genetically modified carotenoid synthesis pathway. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 640-655.	1.0	20
102	Fabrication of Self-Cleaning, Reusable Titania Templates for Nanometer and Micrometer Scale Protein Patterning. ACS Nano, 2015, 9, 6262-6270.	14.6	19
103	Stark absorption spectroscopy on the carotenoids bound to B800â€“820 and B800â€“850 type LH2 complexes from a purple photosynthetic bacterium, Phaeospirillum molischianum strain DSM120. Archives of Biochemistry and Biophysics, 2015, 572, 158-166.	3.0	2
104	Assembly of functional photosystem complexes in Rhodobacter sphaeroides incorporating carotenoids from the spirilloxanthin pathway. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 189-201.	1.0	84
105	Structural and functional consequences of removing the N-terminal domain from the magnesium chelatase ChlH subunit of <i>Thermosynechococcus elongatus</i>. Biochemical Journal, 2014, 464, 315-322.	3.7	13
106	Elucidation of the preferred routes of C8-vinyl reduction in chlorophyll and bacteriochlorophyll biosynthesis. Biochemical Journal, 2014, 462, 433-440.	3.7	21
107	A Cyanobacterial Chlorophyll Synthase-HliD Complex Associates with the Ycf39 Protein and the YidC/Alb3 Insertase Â. Plant Cell, 2014, 26, 1267-1279.	6.6	125
108	Nanodomains of Cytochrome<i>b</i>Â6 Â<i>f</i>and Photosystem II Complexes in Spinach Grana Thylakoid Membranes Â. Plant Cell, 2014, 26, 3051-3061.	6.6	74

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109	Integration of energy and electron transfer processes in the photosynthetic membrane of Rhodobacter sphaeroides. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1769-1780.	1.0	99
110	Nano-mechanical mapping of the interactions between surface-bound RC-LH1-PufX core complexes and cytochrome c 2 attached to an AFM probe. Photosynthesis Research, 2014, 120, 169-180.	2.9	16
111	Aberrant Assembly Complexes of the Reaction Center Light-harvesting 1 PufX (RC-LH1-PufX) Core Complex of Rhodobacter sphaeroides Imaged by Atomic Force Microscopy. Journal of Biological Chemistry, 2014, 289, 29927-29936.	3.4	21
112	Reversible Switching between Nonquenched and Quenched States in Nanoscale Linear Arrays of Plant Light-Harvesting Antenna Complexes. Langmuir, 2014, 30, 8481-8490.	3.5	18
113	Fast, Simple, Combinatorial Routes to the Fabrication of Reusable, Plasmonically Active Gold Nanostructures by Interferometric Lithography of Self-Assembled Monolayers. ACS Nano, 2014, 8, 7858-7869.	14.6	16
114	Engineered biosynthesis of bacteriochlorophyll b in Rhodobacter sphaeroides. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1611-1616.	1.0	35
115	Zwitterionic Poly(amino acid methacrylate) Brushes. Journal of the American Chemical Society, 2014, 136, 9404-9413.	13.7	162
116	Characterization of the magnesium chelatase from Thermosynechococcus elongatus. Biochemical Journal, 2014, 457, 163-170.	3.7	13
117	Efficiency of light harvesting in a photosynthetic bacterium adapted to different levels of light. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1835-1846.	1.0	21
118	A mutation leading to super-assembly of twin-arginine translocase (Tat) protein complexes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1978-1986.	4.1	11
119	Photocatalytic Nanolithography of Self-Assembled Monolayers and Proteins. ACS Nano, 2013, 7, 7610-7618.	14.6	25
120	Integration of multiple chromophores with native photosynthetic antennas to enhance solar energy capture and delivery. Chemical Science, 2013, 4, 3924.	7.4	37
121	Identification of an 8-vinyl reductase involved in bacteriochlorophyll biosynthesis in <i>Rhodobacter sphaeroides</i> and evidence for the existence of a third distinct class of the enzyme. Biochemical Journal, 2013, 450, 397-405.	3.7	30
122	Three-Dimensional Structure of the <i>Rhodobacter sphaeroides</i> RC-LH1-PufX Complex: Dimerization and Quinone Channels Promoted by PufX. Biochemistry, 2013, 52, 7575-7585.	2.5	122
123	Structure of the Cyanobacterial Magnesium Chelatase H Subunit Determined by Single Particle Reconstruction and Small-angle X-ray Scattering. Journal of Biological Chemistry, 2012, 287, 4946-4956.	3.4	19
124	Conserved Chloroplast Open-reading Frame ycf54 Is Required for Activity of the Magnesium Protoporphyrin Monomethylester Oxidative Cyclase in Synechocystis PCC 6803. Journal of Biological Chemistry, 2012, 287, 27823-27833.	3.4	83
125	Micrometer and Nanometer Scale Photopatterning of Proteins on Glass Surfaces by Photo-degradation of Films Formed from Oligo(Ethylene Glycol) Terminated Silanes. Biointerphases, 2012, 7, 54.	1.6	12
126	Structural Implications of Hydrogen-Bond Energetics in Membrane Proteins Revealed by High-Pressure Spectroscopy. Biophysical Journal, 2012, 103, 2352-2360.	0.5	15

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127	Adaptation of intracytoplasmic membranes to altered light intensity in Rhodobacter sphaeroides. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1616-1627.	1.0	69
128	Photoprotection in a purple phototrophic bacterium mediated by oxygen-dependent alteration of carotenoid excited-state properties. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8570-8575.	7.1	59
129	Quantitative proteomic analysis of intracytoplasmic membrane development in <i>Rhodobacter sphaeroides</i>. Molecular Microbiology, 2012, 84, 1062-1078.	2.5	21
130	Experimental evidence that the membrane-spanning helix of PufX adopts a bent conformation that facilitates dimerisation of the Rhodobacter sphaeroides RCâ€“LH1 complex through N-terminal interactions. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 95-107.	1.0	33
131	Monomeric RCâ€“LH1 core complexes retard LH2 assembly and intracytoplasmic membrane formation in PufX-minus mutants of Rhodobacter sphaeroides. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1044-1055.	1.0	27
132	Carotenoids are essential for normal levels of dimerisation of the RCâ€“LH1â€“PufX core complex of Rhodobacter sphaeroides: Characterisation of R-26 as a crtB (phytoene synthase) mutant. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1056-1063.	1.0	28
133	FÃ¶rster Energy Transfer Theory as Reflected in the Structures of Photosynthetic Lightâ€Harvesting Systems. ChemPhysChem, 2011, 12, 518-531.	2.1	142
134	Functional Assignments for the Carboxyl-Terminal Domains of the Ferrochelatase from <i>Synechocystis</i> PCC 6803: The CAB Domain Plays a Regulatory Role, and Region II Is Essential for Catalysis Â. Plant Physiology, 2011, 155, 1735-1747.	4.8	41
135	Membrane invagination in <i>Rhodobacter sphaeroides</i> is initiated at curved regions of the cytoplasmic membrane, then forms both budded and fully detached spherical vesicles. Molecular Microbiology, 2010, 76, 833-847.	2.5	110
136	Photosynthetic Vesicle Architecture and Constraints on Efficient EnergyÂHarvesting. Biophysical Journal, 2010, 99, 67-75.	0.5	60
137	Long-Range Energy Propagation in Nanometer Arrays of Light Harvesting Antenna Complexes. Nano Letters, 2010, 10, 1450-1457.	9.1	68
138	Structural model and excitonic properties of the dimeric RCâ€“LH1â€“PufX complex from Rhodobacter sphaeroides. Chemical Physics, 2009, 357, 188-197.	1.9	48
139	Site-Specific Immobilization and Micrometer and Nanometer Scale Photopatterning of Yellow Fluorescent Protein on Glass Surfaces. Journal of the American Chemical Society, 2009, 131, 896-897.	13.7	53
140	Protein-Induced Membrane Curvature Investigated through Molecular Dynamics Flexible Fitting. Biophysical Journal, 2009, 97, 321-329.	0.5	68
141	â€œTorsional tappingâ€•atomic force microscopy using T-shaped cantilevers. Applied Physics Letters, 2009, 94, .	3.3	18
142	Atomic Force Microscopy Studies of Native Photosynthetic Membranes. Biochemistry, 2009, 48, 3679-3698.	2.5	88
143	Reaction Center-Light-Harvesting Core Complexes of Purple Bacteria. Advances in Photosynthesis and Respiration, 2009, , 155-179.	1.0	19
144	Protein Shape and Crowding Drive Domain Formation and Curvature in Biological Membranes. Biophysical Journal, 2008, 94, 640-647.	0.5	74

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145	Conformational changes in an ultrafast light-driven enzyme determine catalytic activity. Nature, 2008, 456, 1001-1004.	27.8	133
146	The Organization of LH2 Complexes in Membranes from Rhodobacter sphaeroides. Journal of Biological Chemistry, 2008, 283, 30772-30779.	3.4	59
147	Directed assembly of functional light harvesting antenna complexes onto chemically patterned surfaces. Nanotechnology, 2008, 19, 025101.	2.6	27
148	Nanometer Arrays of Functional Light Harvesting Antenna Complexes by Nanoimprint Lithography and Hostâ^'Guest Interactions. Journal of the American Chemical Society, 2008, 130, 8892-8893.	13.7	68
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