

# C Neil Hunter

## List of Publications by Year in descending order

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Version: 2024-02-01

245  
papers

12,279  
citations

18887

64  
h-index

43601

95  
g-index

249  
all docs

249  
docs citations

249  
times ranked

7008  
citing authors

#	ARTICLE	IF	CITATIONS
1	Redesigning the photosynthetic light reactions to enhance photosynthesis – the <i>PhotoRedesign</i> consortium. <i>Plant Journal</i> , 2022, 109, 23-34.	2.8	21
2	FRET measurement of cytochrome bc1 and reaction centre complex proximity in live <i>Rhodobacter sphaeroides</i> cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148508.	0.5	5
3	2.4-Å... structure of the double-ring <i>Gemmatimonas phototrophica</i> photosystem. <i>Science Advances</i> , 2022, 8, eabk3139.	4.7	16
4	Changes in supramolecular organization of cyanobacterial thylakoid membrane complexes in response to far-red light photoacclimation. <i>Science Advances</i> , 2022, 8, eabj4437.	4.7	9
5	Engineering purple bacterial carotenoid biosynthesis to study the roles of carotenoids in light-harvesting complexes. <i>Methods in Enzymology</i> , 2022, , .	0.4	1
6	Cryo-EM structures of the <i>Synechocystis</i> sp. PCC 6803 cytochrome <i>b<sub>6</sub>f</i> complex with and without the regulatory PetP subunit. <i>Biochemical Journal</i> , 2022, 479, 1487-1503.	1.7	7
7	Multiscale modeling and cinematic visualization of photosynthetic energy conversion processes from electronic to cell scales. <i>Parallel Computing</i> , 2021, 102, 102698.	1.3	10
8	Developmental acclimation of the thylakoid proteome to light intensity in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2021, 105, 223-244.	2.8	43
9	Structures of <i>Rhodospseudomonas palustris</i> RC-LH1 complexes with open or closed quinone channels. <i>Science Advances</i> , 2021, 7, .	4.7	38
10	The 2.4 Å... cryo-EM structure of a heptameric light-harvesting 2 complex reveals two carotenoid energy transfer pathways. <i>Science Advances</i> , 2021, 7, .	4.7	26
11	How the O <sub>2</sub> -dependent Mg-protoporphyrin monomethyl ester cyclase forms the fifth ring of chlorophylls. <i>Nature Plants</i> , 2021, 7, 365-375.	4.7	6
12	Evolution of Ycf54-independent chlorophyll biosynthesis in cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	7
13	Cytochrome <i>b<sub>6</sub>f</i> – Orchestrator of photosynthetic electron transfer. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148380.	0.5	75
14	Cryo-EM structure of the monomeric <i>Rhodobacter sphaeroides</i> RC-LH1 core complex at 2.5 Å... <i>Biochemical Journal</i> , 2021, 478, 3775-3790.	1.7	33
15	Cryo-EM structure of the <i>Rhodospirillum rubrum</i> RC-LH1 complex at 2.5 Å... <i>Biochemical Journal</i> , 2021, 478, 3253-3263.	1.7	23
16	Comparative proteomics of thylakoids from <i>Arabidopsis</i> grown in laboratory and field conditions. <i>Plant Direct</i> , 2021, 5, e355.	0.8	4
17	Cryo-EM Structure of the <i>Rhodobacter sphaeroides</i> Light-Harvesting <sup>2</sup> Complex at 2.1 Å... <i>Biochemistry</i> , 2021, 60, 3302-3314.	1.2	38
18	Cryo-EM structure of the dimeric <i>Rhodobacter sphaeroides</i> RC-LH1 core complex at 2.9 Å...: the structural basis for dimerisation. <i>Biochemical Journal</i> , 2021, 478, 3923-3937.	1.7	26

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19	Multicomponent Nanoscale Patterning of Functional Light-Harvesting Protein Complexes by Local Oxidation Lithography. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001670.	1.9	0
20	Carotenoid-to-(bacterio)chlorophyll energy transfer in LH2 antenna complexes from <i>Rba. sphaeroides</i> reconstituted with non-native (bacterio)chlorophylls. <i>Photosynthesis Research</i> , 2020, 144, 155-169.	1.6	6
21	Extensive remodeling of the photosynthetic apparatus alters energy transfer among photosynthetic complexes when cyanobacteria acclimate to far-red light. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148064.	0.5	46
22	Progress and challenges in engineering cyanobacteria as chassis for light-driven biotechnology. <i>Microbial Biotechnology</i> , 2020, 13, 363-367.	2.0	41
23	A Thermostable Protein Matrix for Spectroscopic Analysis of Organic Semiconductors. <i>Journal of the American Chemical Society</i> , 2020, 142, 13898-13907.	6.6	3
24	The active site of magnesium chelatase. <i>Nature Plants</i> , 2020, 6, 1491-1502.	4.7	27
25	Excitation energy transfer between monomolecular layers of light harvesting LH2 and LH1-reaction centre complexes printed on a glass substrate. <i>Lab on A Chip</i> , 2020, 20, 2529-2538.	3.1	7
26	Chromosome-free bacterial cells are safe and programmable platforms for synthetic biology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6752-6761.	3.3	32
27	A photosynthetic antenna complex foregoes unity carotenoid-to-bacteriochlorophyll energy transfer efficiency to ensure photoprotection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6502-6508.	3.3	25
28	Biosynthesis of the modified tetrapyrroles—the pigments of life. <i>Journal of Biological Chemistry</i> , 2020, 295, 6888-6925.	1.6	170
29	Protochlorophyllide synthesis by recombinant cyclases from eukaryotic oxygenic phototrophs and the dependence on Ycf54. <i>Biochemical Journal</i> , 2020, 477, 2313-2325.	1.7	8
30	Xanthophyll carotenoids stabilise the association of cyanobacterial chlorophyll synthase with the LHC-like protein HliD. <i>Biochemical Journal</i> , 2020, 477, 4021-4036.	1.7	15
31	Membrane organization of photosystem I complexes in the most abundant phototroph on Earth. <i>Nature Plants</i> , 2019, 5, 879-889.	4.7	22
32	Phosphite binding by the HtxB periplasmic binding protein depends on the protonation state of the ligand. <i>Scientific Reports</i> , 2019, 9, 10231.	1.6	6
33	Single-molecule study of redox control involved in establishing the spinach plastocyanin-cytochrome b6 electron transfer complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 591-599.	0.5	4
34	Atoms to Phenotypes: Molecular Design Principles of Cellular Energy Metabolism. <i>Cell</i> , 2019, 179, 1098-1111.e23.	13.5	122
35	Cryo-EM structure of the spinach cytochrome b6-f complex at 3.6 Å resolution. <i>Nature</i> , 2019, 575, 535-539.	13.5	83
36	Proteorhodopsin Overproduction Enhances the Long-Term Viability of <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2019, 86, .	1.4	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. <i>Plant Cell</i> , 2019, 31, 2912-2928.	3.1	12
38	Engineering of B800 bacteriochlorophyll binding site specificity in the <i>Rhodobacter sphaeroides</i> LH2 antenna. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 209-223.	0.5	36
39	Dynamic Thylakoid Stacking Is Regulated by LHCII Phosphorylation but Not Its interaction with PSI. <i>Plant Physiology</i> , 2019, 180, 2152-2166.	2.3	54
40	Turning the challenge of quantum biology on its head: biological control of quantum optical systems. <i>Faraday Discussions</i> , 2019, 216, 57-71.	1.6	7
41	Picosecond Dynamical Response to a Pressure-Induced Break of the Tertiary Structure Hydrogen Bonds in a Membrane Chromoprotein. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2087-2093.	1.2	4
42	Orientalional Dynamics of Transition Dipoles and Exciton Relaxation in LH2 from Ultrafast Two-Dimensional Anisotropy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 270-277.	2.1	11
43	The ChlD subunit links the motor and porphyrin binding subunits of magnesium chelatase. <i>Biochemical Journal</i> , 2019, 476, 1875-1887.	1.7	23
44	Dissecting the cytochrome <i>c</i> reaction centre interaction in bacterial photosynthesis using single molecule force spectroscopy. <i>Biochemical Journal</i> , 2019, 476, 2173-2190.	1.7	10
45	Engineered biosynthesis of bacteriochlorophyll <i>gF</i> in <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 501-509.	0.5	15
46	Cryo-EM structure of the <i>Blastochloris viridis</i> LH1-RC complex at 2.9 Å.... <i>Nature</i> , 2018, 556, 203-208.	13.7	88
47	Complete enzyme set for chlorophyll biosynthesis in <i>Escherichia coli</i> . <i>Science Advances</i> , 2018, 4, eaaq1407.	4.7	40
48	Dynamic thylakoid stacking regulates the balance between linear and cyclic photosynthetic electron transfer. <i>Nature Plants</i> , 2018, 4, 116-127.	4.7	98
49	Probing the local lipid environment of the cytochrome <i>bc1</i> and <i>Synechocystis</i> sp. PCC 6803 cytochrome <i>b6f</i> complexes with styrene maleic acid. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 215-225.	0.5	29
50	Fabrication of microstructured binary polymer brush with integral pH sensing for studies of proton transport in model membrane systems. <i>Chemical Science</i> , 2018, 9, 2238-2251.	3.7	26
51	Probing the quality control mechanism of the <i>Escherichia coli</i> twin-arginine translocase with folding variants of a de novo designed heme protein. <i>Journal of Biological Chemistry</i> , 2018, 293, 6672-6681.	1.6	17
52	Carotenoid to bacteriochlorophyll energy transfer in the RC-LH1-PufX complex from <i>Rhodobacter sphaeroides</i> containing the extended conjugation keto-carotenoid diketospirilloxanthin. <i>Photosynthesis Research</i> , 2018, 135, 33-43.	1.6	2
53	Identification of protein W, the elusive sixth subunit of the <i>Rhodospseudomonas palustris</i> reaction center-light harvesting 1 core complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 119-128.	0.5	19
54	Correlated fluorescence quenching and topographic mapping of Light-Harvesting Complex II within surface-assembled aggregates and lipid bilayers. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 1075-1085.	0.5	24

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55	A synthetic biological quantum optical system. <i>Nanoscale</i> , 2018, 10, 13064-13073.	2.8	10
56	A paralog of a bacteriochlorophyll biosynthesis enzyme catalyzes the formation of 1,2-dihydrocarotenoids in green sulfur bacteria. <i>Journal of Biological Chemistry</i> , 2018, 293, 15233-15242.	1.6	9
57	Plant and algal chlorophyll synthases function in <i>Synechocystis</i> and interact with the YidC/Alb3 membrane insertase. <i>FEBS Letters</i> , 2018, 592, 3062-3073.	1.3	17
58	Augmenting light coverage for photosynthesis through YFP-enhanced charge separation at the <i>Rhodobacter sphaeroides</i> reaction centre. <i>Nature Communications</i> , 2017, 8, 13972.	5.8	40
59	Single-cell genomics based on Raman sorting reveals novel carotenoid-containing bacteria in the Red Sea. <i>Microbial Biotechnology</i> , 2017, 10, 125-137.	2.0	72
60	The PufX quinone channel enables the light-harvesting 1 antenna to bind more carotenoids for light collection and photoprotection. <i>FEBS Letters</i> , 2017, 591, 573-580.	1.3	21
61	A Novel Application of Non-Destructive Readout Technology to Localisation Microscopy. <i>Scientific Reports</i> , 2017, 7, 42313.	1.6	1
62	Micrometre and nanometre scale patterning of binary polymer brushes, supported lipid bilayers and proteins. <i>Chemical Science</i> , 2017, 8, 4517-4526.	3.7	20
63	The C-terminus of PufX plays a key role in dimerisation and assembly of the reaction center light-harvesting 1 complex from <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 795-803.	0.5	22
64	Three classes of oxygen-dependent cyclase involved in chlorophyll and bacteriochlorophyll biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6280-6285.	3.3	38
65	Lateral Segregation of Photosystem I in Cyanobacterial Thylakoids. <i>Plant Cell</i> , 2017, 29, 1119-1136.	3.1	54
66	Simple, Direct Routes to Polymer Brush Traps and Nanostructures for Studies of Diffusional Transport in Supported Lipid Bilayers. <i>Langmuir</i> , 2017, 33, 3672-3679.	1.6	4
67	Controlling transmembrane protein concentration and orientation in supported lipid bilayers. <i>Chemical Communications</i> , 2017, 53, 4250-4253.	2.2	13
68	Determination of Cell Doubling Times from the Return-on-Investment Time of Photosynthetic Vesicles Based on Atomic Detail Structural Models. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3787-3797.	1.2	12
69	Communication: Broad manifold of excitonic states in light-harvesting complex 1 promotes efficient unidirectional energy transfer <i>in vivo</i> . <i>Journal of Chemical Physics</i> , 2017, 147, 131101.	1.2	13
70	PufQ regulates porphyrin flux at the haem/bacteriochlorophyll branchpoint of tetrapyrrole biosynthesis via interactions with ferrochelatase. <i>Molecular Microbiology</i> , 2017, 106, 961-975.	1.2	9
71	Engineering of a calcium-ion binding site into the RC-LH1-PufX complex of <i>Rhodobacter sphaeroides</i> to enable ion-dependent spectral red-shifting. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 927-938.	0.5	13
72	Mapping the ultrafast flow of harvested solar energy in living photosynthetic cells. <i>Nature Communications</i> , 2017, 8, 988.	5.8	44

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73	Origin of the S* Excited State Feature of Carotenoids in Light-Harvesting Complex 1 from Purple Photosynthetic Bacteria. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7571-7585.	1.2	13
74	Development of SimCells as a novel chassis for functional biosensors. <i>Scientific Reports</i> , 2017, 7, 7261.	1.6	24
75	Conserved residues in Ycf54 are required for protochlorophyllide formation in <i>Synechocystis</i> sp. PCC 6803. <i>Biochemical Journal</i> , 2017, 474, 667-681.	1.7	12
76	Repurposing a photosynthetic antenna protein as a super-resolution microscopy label. <i>Scientific Reports</i> , 2017, 7, 16807.	1.6	1
77	From Monochrome to Technicolor: Simple Generic Approaches to Multicomponent Protein Nanopatterning Using Siloxanes with Photoremovable Protein-Resistant Protecting Groups. <i>Langmuir</i> , 2017, 33, 8829-8837.	1.6	10
78	Direct Imaging of Protein Organization in an Intact Bacterial Organelle Using High-Resolution Atomic Force Microscopy. <i>ACS Nano</i> , 2017, 11, 126-133.	7.3	45
79	New insights into the photochemistry of carotenoid spheroidenone in light-harvesting complex 2 from the purple bacterium <i>Rhodobacter sphaeroides</i> . <i>Photosynthesis Research</i> , 2017, 131, 291-304.	1.6	21
80	The molecular basis of phosphite and hypophosphite recognition by ABC-transporters. <i>Nature Communications</i> , 2017, 8, 1746.	5.8	50
81	Overall energy conversion efficiency of a photosynthetic vesicle. <i>ELife</i> , 2016, 5, .	2.8	63
82	Synthesis of Chlorophyll-Binding Proteins in a Fully Segregated $\Delta ycf54$ Strain of the Cyanobacterium <i>Synechocystis</i> PCC 6803. <i>Frontiers in Plant Science</i> , 2016, 7, 292.	1.7	25
83	Absence of the <i>cbb</i> Terminal Oxidase Reveals an Active Oxygen-Dependent Cyclase Involved in Bacteriochlorophyll Biosynthesis in <i>Rhodobacter sphaeroides</i> . <i>Journal of Bacteriology</i> , 2016, 198, 2056-2063.	1.0	12
84	Two Unrelated 8-Vinyl Reductases Ensure Production of Mature Chlorophylls in <i>Acaryochloris marina</i> . <i>Journal of Bacteriology</i> , 2016, 198, 1393-1400.	1.0	11
85	The catalytic power of magnesium chelatase: a benchmark for the $\text{AAA}^+$ ATPases. <i>FEBS Letters</i> , 2016, 590, 1687-1693.	1.3	12
86	PucC and LhaA direct efficient assembly of the light-harvesting complexes in <i>Rhodobacter sphaeroides</i> . <i>Molecular Microbiology</i> , 2016, 99, 307-327.	1.2	29
87	Nanomechanical and Thermophoretic Analyses of the Nucleotide-Dependent Interactions between the $\text{AAA}^+$ Subunits of Magnesium Chelatase. <i>Journal of the American Chemical Society</i> , 2016, 138, 6591-6597.	6.6	16
88	Biosynthesis of Chlorophyll <i>a</i> in a Purple Bacterial Phototroph and Assembly into a Plant Chlorophyll-Protein Complex. <i>ACS Synthetic Biology</i> , 2016, 5, 948-954.	1.9	33
89	Strong Coupling of Localized Surface Plasmons to Excitons in Light-Harvesting Complexes. <i>Nano Letters</i> , 2016, 16, 6850-6856.	4.5	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. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11123-11131.	1.2	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> . <i>Journal of Physical Chemistry A</i> , 2016, 120, 4124-4130.	1.1	15
92	Quenching Capabilities of Long-Chain Carotenoids in Light-Harvesting-2 Complexes from <i>Rhodobacter sphaeroides</i> with an Engineered Carotenoid Synthesis Pathway. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5429-5443.	1.2	22
93	Dimerization of core complexes as an efficient strategy for energy trapping in <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 634-642.	0.5	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. <i>Langmuir</i> , 2016, 32, 1818-1827.	1.6	22
95	Atomic detail visualization of photosynthetic membranes with GPU-accelerated ray tracing. <i>Parallel Computing</i> , 2016, 55, 17-27.	1.3	37
96	Supramolecular organization of photosynthetic complexes in membranes of <i>Roseiflexus castenholzii</i> . <i>Photosynthesis Research</i> , 2016, 127, 117-130.	1.6	13
97	An intact light harvesting complex I antenna system is required for complete state transitions in <i>Arabidopsis</i> . <i>Nature Plants</i> , 2015, 1, 15176.	4.7	74
98	Interference lithographic nanopatterning of plant and bacterial light-harvesting complexes on gold substrates. <i>Interface Focus</i> , 2015, 5, 20150005.	1.5	10
99	Five Glutamic Acid Residues in the C-Terminal Domain of the ChlD Subunit Play a Major Role in Conferring Mg <sup>2+</sup> -Cooperativity upon Magnesium Chelatase. <i>Biochemistry</i> , 2015, 54, 6659-6662.	1.2	6
100	Porphyrin Binding to Gun4 Protein, Facilitated by a Flexible Loop, Controls Metabolite Flow through the Chlorophyll Biosynthetic Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 28477-28488.	1.6	28
101	Functional characteristics of spirilloxanthin and keto-bearing Analogues in light-harvesting LH2 complexes from <i>Rhodobacter sphaeroides</i> with a genetically modified carotenoid synthesis pathway. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 640-655.	0.5	20
102	Fabrication of Self-Cleaning, Reusable Titania Templates for Nanometer and Micrometer Scale Protein Patterning. <i>ACS Nano</i> , 2015, 9, 6262-6270.	7.3	19
103	Stark absorption spectroscopy on the carotenoids bound to B800 <sup>+</sup> 820 and B800 <sup>+</sup> 850 type LH2 complexes from a purple photosynthetic bacterium, <i>Phaeospirillum molischianum</i> strain DSM120. <i>Archives of Biochemistry and Biophysics</i> , 2015, 572, 158-166.	1.4	2
104	Assembly of functional photosystem complexes in <i>Rhodobacter sphaeroides</i> incorporating carotenoids from the spirilloxanthin pathway. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 189-201.	0.5	84
105	Structural and functional consequences of removing the N-terminal domain from the magnesium chelatase ChlH subunit of <i>Thermosynechococcus elongatus</i> . <i>Biochemical Journal</i> , 2014, 464, 315-322.	1.7	13
106	Elucidation of the preferred routes of C8-vinyl reduction in chlorophyll and bacteriochlorophyll biosynthesis. <i>Biochemical Journal</i> , 2014, 462, 433-440.	1.7	21
107	A Cyanobacterial Chlorophyll Synthase-HliD Complex Associates with the Ycf39 Protein and the YidC/Alb3 Insertase. <i>Plant Cell</i> , 2014, 26, 1267-1279.	3.1	125
108	Nanodomains of Cytochrome <i>b<sub>6</sub></i> and Photosystem II Complexes in Spinach Grana Thylakoid Membranes. <i>Plant Cell</i> , 2014, 26, 3051-3061.	3.1	74

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109	Integration of energy and electron transfer processes in the photosynthetic membrane of <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1769-1780.	0.5	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. <i>Photosynthesis Research</i> , 2014, 120, 169-180.	1.6	16
111	Aberrant Assembly Complexes of the Reaction Center Light-harvesting 1 PufX (RC-LH1-PufX) Core Complex of <i>Rhodobacter sphaeroides</i> Imaged by Atomic Force Microscopy. <i>Journal of Biological Chemistry</i> , 2014, 289, 29927-29936.	1.6	21
112	Reversible Switching between Nonquenched and Quenched States in Nanoscale Linear Arrays of Plant Light-Harvesting Antenna Complexes. <i>Langmuir</i> , 2014, 30, 8481-8490.	1.6	18
113	Fast, Simple, Combinatorial Routes to the Fabrication of Reusable, Plasmonically Active Gold Nanostructures by Interferometric Lithography of Self-Assembled Monolayers. <i>ACS Nano</i> , 2014, 8, 7858-7869.	7.3	16
114	Engineered biosynthesis of bacteriochlorophyll b in <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1611-1616.	0.5	35
115	Zwitterionic Poly(amino acid methacrylate) Brushes. <i>Journal of the American Chemical Society</i> , 2014, 136, 9404-9413.	6.6	162
116	Characterization of the magnesium chelatase from <i>Thermosynechococcus elongatus</i> . <i>Biochemical Journal</i> , 2014, 457, 163-170.	1.7	13
117	Efficiency of light harvesting in a photosynthetic bacterium adapted to different levels of light. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1835-1846.	0.5	21
118	A mutation leading to super-assembly of twin-arginine translocase (Tat) protein complexes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1978-1986.	1.9	11
119	Photocatalytic Nanolithography of Self-Assembled Monolayers and Proteins. <i>ACS Nano</i> , 2013, 7, 7610-7618.	7.3	25
120	Integration of multiple chromophores with native photosynthetic antennas to enhance solar energy capture and delivery. <i>Chemical Science</i> , 2013, 4, 3924.	3.7	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. <i>Biochemical Journal</i> , 2013, 450, 397-405.	1.7	30
122	Three-Dimensional Structure of the <i>Rhodobacter sphaeroides</i> RC-LH1-PufX Complex: Dimerization and Quinone Channels Promoted by PufX. <i>Biochemistry</i> , 2013, 52, 7575-7585.	1.2	122
123	Structure of the Cyanobacterial Magnesium Chelatase H Subunit Determined by Single Particle Reconstruction and Small-angle X-ray Scattering. <i>Journal of Biological Chemistry</i> , 2012, 287, 4946-4956.	1.6	19
124	Conserved Chloroplast Open-reading Frame ycf54 Is Required for Activity of the Magnesium Protoporphyrin Monomethylester Oxidative Cyclase in <i>Synechocystis</i> PCC 6803. <i>Journal of Biological Chemistry</i> , 2012, 287, 27823-27833.	1.6	83
125	Micrometer and Nanometer Scale Photopatterning of Proteins on Glass Surfaces by Photo-degradation of Films Formed from Oligo(Ethylene Glycol) Terminated Silanes. <i>Biointerphases</i> , 2012, 7, 54.	0.6	12
126	Structural Implications of Hydrogen-Bond Energetics in Membrane Proteins Revealed by High-Pressure Spectroscopy. <i>Biophysical Journal</i> , 2012, 103, 2352-2360.	0.2	15



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127	Adaptation of intracytoplasmic membranes to altered light intensity in <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1616-1627.	0.5	69
128	Photoprotection in a purple phototrophic bacterium mediated by oxygen-dependent alteration of carotenoid excited-state properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8570-8575.	3.3	59
129	Quantitative proteomic analysis of intracytoplasmic membrane development in <i>Rhodobacter sphaeroides</i> . <i>Molecular Microbiology</i> , 2012, 84, 1062-1078.	1.2	21
130	Experimental evidence that the membrane-spanning helix of PufX adopts a bent conformation that facilitates dimerisation of the <i>Rhodobacter sphaeroides</i> RC-LH1 complex through N-terminal interactions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 95-107.	0.5	33
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