Daniel P Canniffe

List of Publications by Year
in descending order

33	1,346	394286	434063
papers	citations	19 h-index	31 g-index

34	34	34	1427
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Light-dependent chlorophyll f synthase is a highly divergent paralog of PsbA of photosystem II. Science, 2016, 353, .	6.0	155
2	A Cyanobacterial Chlorophyll Synthase-HliD Complex Associates with the Ycf39 Protein and the YidC/Alb3 Insertase Â. Plant Cell, 2014, 26, 1267-1279.	3.1	125
3	Rapid resonance Raman microspectroscopy to probe carbon dioxide fixation by single cells in microbial communities. ISME Journal, 2012, 6, 875-885.	4.4	100
4	How nature designs light-harvesting antenna systems: design principles and functional realization in chlorophototrophic prokaryotes. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 033001.	0.6	97
5	Light regulation of pigment and photosystem biosynthesis in cyanobacteria. Current Opinion in Plant Biology, 2017, 37, 24-33.	3.5	93
6	Cryo-EM structure of the Blastochloris viridis LH1â€“RC complex at 2.9 Ã.... Nature, 2018, 556, 203-208.	13.7	88
7	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.	1.6	83
8	Characterization of chlorophyll f synthase heterologously produced in Synechococcus sp. PCC 7002. Photosynthesis Research, 2019, 140, 77-92.	1.6	56
9	Progress and challenges in engineering cyanobacteria as chassis for lightâ€driven biotechnology. Microbial Biotechnology, 2020, 13, 363-367.	2.0	41
10	Complete enzyme set for chlorophyll biosynthesis in Escherichia coli. Science Advances, 2018, 4, eaaq1407.	4.7	40
11	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.	3.3	38
12	Structures of Rhodopseudomonas palustris RC-LH1 complexes with open or closed quinone channels. Science Advances, 2021, 7, .	4.7	38
13	Engineering of B800 bacteriochlorophyll binding site specificity in the Rhodobacter sphaeroides LH2 antenna. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 209-223.	0.5	36
14	Engineered biosynthesis of bacteriochlorophyll b in Rhodobacter sphaeroides. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1611-1616.	0.5	35
15	Biosynthesis of Chlorophyll a in a Purple Bacterial Phototroph and Assembly into a Plant Chlorophyllâ€“Protein Complex. ACS Synthetic Biology, 2016, 5, 948-954.	1.9	33
16	Identification of an 8-vinyl reductase involved in bacteriochlorophyll biosynthesis in Rhodobacter sphaeroides and evidence for the existence of a third distinct class of the enzyme. Biochemical Journal, 2013, 450, 397-405.	1.7	30
17	Cryo-EM structure of the photosynthetic RC-LH1-PufX supercomplex at 2.8-Ã... resolution. Science Advances, 2021, 7, .	4.7	29
18	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.	3.3	25

#	Article	IF	Citations
19	Structural basis for the assembly and quinone transport mechanisms of the dimeric photosynthetic RCâ€“LH1 supercomplex. Nature Communications, 2022, 13, 1977.	5.8	22
20	Elucidation of the preferred routes of C8-vinyl reduction in chlorophyll and bacteriochlorophyll biosynthesis. Biochemical Journal, 2014, 462, 433-440.	1.7	21
21	Biosynthesis of chlorophylls and bacteriochlorophylls in green bacteria. Advances in Botanical Research, 2019, , 35-89.	0.5	21
22	15N photo-CIDNP MAS NMR analysis of reaction centers of Chloracidobacterium thermophilum. Photosynthesis Research, 2018, 137, 295-305.	1.6	20
23	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.	0.5	19
24	Engineered biosynthesis of bacteriochlorophyll gF in Rhodobacter sphaeroides. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 501-509.	0.5	15
25	Xanthophyll carotenoids stabilise the association of cyanobacterial chlorophyll synthase with the LHC-like protein HliD. Biochemical Journal, 2020, 477, 4021-4036.	1.7	15
26	Absence of the cbb ₃ Terminal Oxidase Reveals an Active Oxygen-Dependent Cyclase Involved in Bacteriochlorophyll Biosynthesis in Rhodobacter sphaeroides. Journal of Bacteriology, 2016, 198, 2056-2063.	1.0	12
27	Two Unrelated 8-Vinyl Reductases Ensure Production of Mature Chlorophylls in Acaryochloris marina. Journal of Bacteriology, 2016, 198, 1393-1400.	1.0	11
28	The terminal enzymes of (bacterio)chlorophyll biosynthesis. Royal Society Open Science, 2022, 9, 211903.	1.1	10
29	Highly confined surface imaging by solid immersion total internal reflection fluorescence microscopy. Optics Express, 2012, 20, 3311.	1.7	9
30	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.	1.6	9
31	Unfolding pathway and intermolecular interactions of the cytochrome subunit in the bacterial photosynthetic reaction center. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148204.	0.5	9
32	Composition, Organisation and Function of Purple Photosynthetic Machinery. , 2020, , 73-114.		6
33	Photosynthesis | Carotenoids in Photosynthesis â€“ Structure and Biosynthesis. , 2021, , 163-185.		5