

Daniel P Canniffe

List of Publications by Year in descending order

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33
papers

1,346
citations

394286

19
h-index

434063

31
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docs citations

34
times ranked

1427
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural basis for the assembly and quinone transport mechanisms of the dimeric photosynthetic RCâ€‘LH1 supercomplex. <i>Nature Communications</i> , 2022, 13, 1977.	5.8	22
2	The terminal enzymes of (bacterio)chlorophyll biosynthesis. <i>Royal Society Open Science</i> , 2022, 9, 211903.	1.1	10
3	Structures of <i>Rhodospseudomonas palustris</i> RC-LH1 complexes with open or closed quinone channels. <i>Science Advances</i> , 2021, 7, .	4.7	38
4	Cryo-EM structure of the photosynthetic RC-LH1-PufX supercomplex at 2.8-Å... resolution. <i>Science Advances</i> , 2021, 7, .	4.7	29
5	Photosynthesis Carotenoids in Photosynthesis â€‘ Structure and Biosynthesis. , 2021, , 163-185.		5
6	Progress and challenges in engineering cyanobacteria as chassis for lightâ€‘driven biotechnology. <i>Microbial Biotechnology</i> , 2020, 13, 363-367.	2.0	41
7	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
8	Unfolding pathway and intermolecular interactions of the cytochrome subunit in the bacterial photosynthetic reaction center. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148204.	0.5	9
9	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
10	Composition, Organisation and Function of Purple Photosynthetic Machinery. , 2020, , 73-114.		6
11	Characterization of chlorophyll f synthase heterologously produced in <i>Synechococcus</i> sp. PCC 7002. <i>Photosynthesis Research</i> , 2019, 140, 77-92.	1.6	56
12	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
13	Biosynthesis of chlorophylls and bacteriochlorophylls in green bacteria. <i>Advances in Botanical Research</i> , 2019, , 35-89.	0.5	21
14	Engineered biosynthesis of bacteriochlorophyll gF in <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 501-509.	0.5	15
15	Cryo-EM structure of the <i>Blastochloris viridis</i> LH1â€‘RC complex at 2.9 Å... <i>Nature</i> , 2018, 556, 203-208.	13.7	88
16	Complete enzyme set for chlorophyll biosynthesis in <i>Escherichia coli</i> . <i>Science Advances</i> , 2018, 4, eaaq1407.	4.7	40
17	How nature designs light-harvesting antenna systems: design principles and functional realization in chlorophototrophic prokaryotes. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 033001.	0.6	97
18	15N photo-CIDNP MAS NMR analysis of reaction centers of <i>Chloracidobacterium thermophilum</i> . <i>Photosynthesis Research</i> , 2018, 137, 295-305.	1.6	20

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19	Identification of protein W, the elusive sixth subunit of the Rhodospseudomonas palustris reaction center-light harvesting 1 core complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 119-128.	0.5	19
20	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
21	Light regulation of pigment and photosystem biosynthesis in cyanobacteria. <i>Current Opinion in Plant Biology</i> , 2017, 37, 24-33.	3.5	93
22	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
23	Absence of the <i>cbb₃</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
24	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
25	Light-dependent chlorophyll f synthase is a highly divergent paralog of PsbA of photosystem II. <i>Science</i> , 2016, 353, .	6.0	155
26	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
27	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
28	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
29	Engineered biosynthesis of bacteriochlorophyll b in <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1611-1616.	0.5	35
30	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
31	Highly confined surface imaging by solid immersion total internal reflection fluorescence microscopy. <i>Optics Express</i> , 2012, 20, 3311.	1.7	9
32	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
33	Rapid resonance Raman microspectroscopy to probe carbon dioxide fixation by single cells in microbial communities. <i>ISME Journal</i> , 2012, 6, 875-885.	4.4	100