

Philip J Jackson

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,552
citations

331670

21
h-index

315739

38
g-index

50
all docs

50
docs citations

50
times ranked

1556
citing authors

#	ARTICLE	IF	CITATIONS
1	2.4-Å... structure of the double-ring <i>Gemmatimonas phototrophica</i> photosystem. <i>Science Advances</i> , 2022, 8, eabk3139.	10.3	16
2	Changes in supramolecular organization of cyanobacterial thylakoid membrane complexes in response to far-red light photoacclimation. <i>Science Advances</i> , 2022, 8, eabj4437.	10.3	9
3	Developmental acclimation of the thylakoid proteome to light intensity in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2021, 105, 223-244.	5.7	43
4	Production of trimeric SARS-CoV-2 spike protein by CHO cells for serological COVID-19 testing. <i>Biotechnology and Bioengineering</i> , 2021, 118, 1013-1021.	3.3	33
5	Structures of <i>Rhodopseudomonas palustris</i> RC-LH1 complexes with open or closed quinone channels. <i>Science Advances</i> , 2021, 7, .	10.3	38
6	How the O ₂ -dependent Mg-protoporphyrin monomethyl ester cyclase forms the fifth ring of chlorophylls. <i>Nature Plants</i> , 2021, 7, 365-375.	9.3	6
7	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.	3.7	33
8	Comparative proteomics of thylakoids from <i>Arabidopsis</i> grown in laboratory and field conditions. <i>Plant Direct</i> , 2021, 5, e355.	1.9	4
9	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.	3.7	26
10	Xanthophyll carotenoids stabilise the association of cyanobacterial chlorophyll synthase with the LHC-like protein HliD. <i>Biochemical Journal</i> , 2020, 477, 4021-4036.	3.7	15
11	Membrane organization of photosystem I complexes in the most abundant phototroph on Earth. <i>Nature Plants</i> , 2019, 5, 879-889.	9.3	22
12	Proteorhodopsin Overproduction Enhances the Long-Term Viability of <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2019, 86, .	3.1	12
13	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.	6.6	12
14	Probing the local lipid environment of the cytochrome bc ₁ and <i>Synechocystis</i> sp. PCC 6803 cytochrome b ₆ f complexes with styrene maleic acid. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 215-225.	1.0	29
15	Identification of protein W, the elusive sixth subunit of the <i>Rhodopseudomonas palustris</i> reaction center-light harvesting 1 core complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 119-128.	1.0	19
16	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.	2.8	17
17	PufQ regulates porphyrin flux at the haem/bacteriochlorophyll branchpoint of tetrapyrrole biosynthesis via interactions with ferrochelatase. <i>Molecular Microbiology</i> , 2017, 106, 961-975.	2.5	9
18	Synthesis of Chlorophyll-Binding Proteins in a Fully Segregated <i>ycf54</i> Strain of the Cyanobacterium <i>Synechocystis</i> PCC 6803. <i>Frontiers in Plant Science</i> , 2016, 7, 292.	3.6	25

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19	Two Unrelated 8-Vinyl Reductases Ensure Production of Mature Chlorophylls in <i>Acaryochloris marina</i> . <i>Journal of Bacteriology</i> , 2016, 198, 1393-1400.	2.2	11
20	PucC and LhaA direct efficient assembly of the light-harvesting complexes in <i>Rhodobacter sphaeroides</i> . <i>Molecular Microbiology</i> , 2016, 99, 307-327.	2.5	29
21	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.	3.8	33
22	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.	1.0	84
23	A Cyanobacterial Chlorophyll Synthase-HliD Complex Associates with the Ycf39 Protein and the YidC/Alb3 Insertase. <i>Plant Cell</i> , 2014, 26, 1267-1279.	6.6	125
24	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.	1.0	99
25	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.	3.4	21
26	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.	2.5	122
27	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.	3.4	83
28	Rapid resonance Raman microspectroscopy to probe carbon dioxide fixation by single cells in microbial communities. <i>ISME Journal</i> , 2012, 6, 875-885.	9.8	100
29	Quantitative proteomic analysis of intracytoplasmic membrane development in <i>Rhodobacter sphaeroides</i> . <i>Molecular Microbiology</i> , 2012, 84, 1062-1078.	2.5	21
30	A Combined Shotgun and Multidimensional Proteomic Analysis of the Insoluble Subproteome of the Obligate Thermophile, <i>Geobacillus thermoleovorans</i> T80. <i>Journal of Proteome Research</i> , 2006, 5, 2465-2473.	3.7	13
31	Multidimensional Proteomic Analysis of the Soluble Subproteome of the Emerging Nosocomial Pathogen <i>Ochrobactrum anthropi</i> . <i>Journal of Proteome Research</i> , 2006, 5, 3145-3153.	3.7	13
32	Probing protein structure with proteases: studies of an equilibrium intermediate in protein unfolding. <i>Biochemical Society Transactions</i> , 1995, 23, 477S-477S.	3.4	1
33	Structure of a 16 kDa integral membrane protein that has identity to the putative proton channel of the vacuolar H ⁺ -ATPase. <i>Protein Engineering, Design and Selection</i> , 1992, 5, 7-15.	2.1	84
34	A class of amphipathic proteins associated with lipid storage bodies in plants. Possible similarities with animal serum apolipoproteins. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1991, 1088, 86-94.	2.4	70
35	Characterization of the Major Protein Component from Aleurone Cells of Barley (<i>Hordeum</i>) Tj ETQq1 1 0.784314 4.8 /Overlock 10 T 5	4.8	40
36	Purification and partial amino acid sequence of human urine protein 1. <i>Journal of Chromatography A</i> , 1988, 452, 359-367.	3.7	55

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37	The mitochondrial ATP synthase inhibitor protein binds near the C-terminus of the F1 \hat{F} 2-subunit. FEBS Letters, 1988, 229, 224-228.	2.8	50
38	Analysis of Proteinuria Using a Commercial System for Automated Electrophoresis and Isoelectric Focusing. Annals of Clinical Biochemistry, 1988, 25, 319-324.	1.6	21
39	Evidence for a human uteroglobin-like protein occurring in the urine of patients with renal failure. Biochemical Society Transactions, 1988, 16, 970-971.	3.4	0
40	Sites of protein-protein interaction on the mitochondrial F1-ATPase inhibitor protein. Biochemical Journal, 1986, 235, 577-583.	3.7	22
41	Gel-permeation high-performance liquid chromatography in the study of binding between soluble F1-ATPase and its naturally occurring inhibitor protein. Biochemical Society Transactions, 1986, 14, 1199-1200.	3.4	0
42	Sites of protein-protein interaction on the mitochondrial ATPase inhibitor protein. Biochemical Society Transactions, 1986, 14, 143-144.	3.4	2
43	Interaction between the soluble F1 ATPase and its naturally occurring inhibitor protein. Studies using hydrophilic high-performance liquid chromatography and immunoelectron microscopy. FEBS Journal, 1986, 157, 181-186.	0.2	3
44	Immunological characterization of the interaction between the F1-ATPase from ox heart mitochondria and its naturally occurring inhibitor protein. Biochemical Society Transactions, 1985, 13, 226-226.	3.4	2
45	Protein inhibitors of the mitochondrial ATPase from mammalian tissues. Biochemical Society Transactions, 1985, 13, 748-749.	3.4	0
46	Interaction between F1-ATPase and its naturally occurring inhibitor protein. Studies using a specific anti-inhibitor antibody. Biochimica Et Biophysica Acta - Bioenergetics, 1985, 806, 64-74.	1.0	38
47	Binding of mitochondrial ATPase from ox heart to its naturally occurring inhibitor protein: Localization by antibody binding. Bioscience Reports, 1983, 3, 921-926.	2.4	17
48	Determination of 6-thiouric acid in human urine. Clinical Biochemistry, 1983, 16, 285-286.	1.9	7
49	Synthesis of androgen-dependent secretory proteins by rat seminal vesicles. Molecular and Cellular Endocrinology, 1981, 21, 255-262.	3.2	8
50	Androgenic Regulation of Messenger RNA Sequence Complexity in Accessory Sexual Tissues of the Male Rat Studied with Fractionated Complementary DNA. FEBS Journal, 1979, 102, 431-440.	0.2	10