Jon Nield

List of Publications by Year
in descending order

57 papers	3,971 citations	94433 37 h-index	189892 50 g-index
59 all docs	59 docs citations	59 times ranked	3258 citing authors

#	Article	IF	Citations
1	Amyloid-Î² oligomers have a profound detergent-like effect on lipid membrane bilayers, imaged by atomic force and electron microscopy. Journal of Biological Chemistry, 2019, 294, 7566-7572.	3.4	112
2	Molecular Recognition: How Photosynthesis Anchors the Mobile Antenna. Trends in Plant Science, 2019, 24, 388-392.	8.8	3
3	Serum Albumin's Protective Inhibition of Amyloid-Î² Fiber Formation Is Suppressed by Cholesterol, Fatty Acids and Warfarin. Journal of Molecular Biology, 2018, 430, 919-934.	4.2	24
4	Oligomeric states in sodium ion-dependent regulation of cyanobacterial histidine kinase-2. Protoplasma, 2018, 255, 937-952.	2.1	5
5	Redox Tuning in Photosystem II. Trends in Plant Science, 2017, 22, 97-99.	8.8	12
6	The N-terminal sequence of the extrinsic PsbP protein modulates the redox potential of Cyt b559 in photosystem II. Scientific Reports, 2016, 6, 21490.	3.3	24
7	Isolation of novel PSII-LHCII megacomplexes from pea plants characterized by a combination of proteomics and electron microscopy. Photosynthesis Research, 2016, 130, 19-31.	2.9	24
8	Proteomic characterization and three-dimensional electron microscopy study of PSIIâ€“LHCII supercomplexes from higher plants. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1454-1462.	1.0	31
9	Cross-linking Evidence for Multiple Interactions of the PsbP and PsbQ Proteins in a Higher Plant Photosystem II Supercomplex. Journal of Biological Chemistry, 2014, 289, 20150-20157.	3.4	45
10	Biophysical and genetic analysis of iron partitioning and ferritin function in Drosophila melanogaster. Metallomics, 2013, 5, 997.	2.4	38
11	Subunit Organization of a Synechocystis Hetero-Oligomeric Thylakoid FtsH Complex Involved in Photosystem II Repair Â Â. Plant Cell, 2012, 24, 3669-3683.	6.6	56
12	A structural phylogenetic map for chloroplast photosynthesis. Trends in Plant Science, 2011, 16, 645-655.	8.8	218
13	Calmodulin binding-heat shock proteins form a ring structure in the rat testis. Molecular Reproduction and Development, 2010, 77, 738-738.	2.0	0
14	The composition and structure of photosystem I-associated antenna from Cyanidioschyzon merolae. Plant Journal, 2010, 62, 886-897.	5.7	54
15	Structural and Mutational Analysis of Band 7 Proteins in the Cyanobacterium Synechocystis sp. Strain PCC 6803. Journal of Bacteriology, 2009, 191, 6425-6435.	2.2	42
16	Biochemical and Structural Studies of the Large Ycf4-Photosystem I Assembly Complex of the Green AlgaChlamydomonas reinhardtiiÂ. Plant Cell, 2009, 21, 2424-2442.	6.6	77
17	The multidrug resistance efflux complex, EmrAB from Escherichia coli forms a dimer in vitro. Biochemical and Biophysical Research Communications, 2009, 380, 338-342.	2.1	70
18	Probing the Organization of Photosystem II in Photosynthetic Membranes by Atomic Force Microscopy. Biochemistry, 2008, 47, 431-440.	2.5	71

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19	Structural Organization of Photosynthetic Apparatus in Agranal Chloroplasts of Maize. Journal of Biological Chemistry, 2008, 283, 26037-26046.	3.4	34
20	Structural Analysis of an FtsH2/FtsH3 Complex Isolated from Synechocystis sp. PCC 6803. , 2008, , 737-740.		2
21	A Detailed Structural Model For The Eukaryotic Lhcii-Ps Ii Supercomplex. , 2008, , 357-361.		0
22	Investigating The Organization Of Photosystem Ii In Spinach Photosynthetic Membranes By Atomic Force Microscopy. , 2008, , 779-782.		0
23	Insecticidal toxins from black widow spider venom. Toxicon, 2007, 49, 531-549.	1.6	94
24	A highly active histidine-tagged Chlamydomonas reinhardtii Photosystem II preparation for structural and biophysical analysis. Photochemical and Photobiological Sciences, 2007, 6, 1177-1183.	2.9	16
25	Refinement of the structural model for the Photosystem II supercomplex of higher plants. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 353-361.	1.0	124
26	The Deg Proteases Protect Synechocystis sp. PCC 6803 during Heat and Light Stresses but Are Not Essential for Removal of Damaged D1 Protein during the Photosystem Two Repair Cycle. Journal of Biological Chemistry, 2006, 281, 30347-30355.	3.4	60
27	Accessory Chlorophyll Proteins in Cyanobacterial Photosystem I. , 2006, , 99-117.		13
28	Light-harvesting complex II protein CP29 binds to photosystem I of Chlamydomonas reinhardtii under State 2 conditions. FEBS Journal, 2005, 272, 4797-4806.	4.7	113
29	Structural Analysis of the Photosystem II Core/Antenna Holocomplex by Electron Microscopy. , 2005, , 403-424.		4
30	Structure of a large photosystem II supercomplex fromAcaryochloris marina. FEBS Letters, 2005, 579, 1306-1310.	2.8	61
31	Iron deficiency induces a chlorophyll d-binding Pcb antenna system around Photosystem I in Acaryochloris marina. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1708, 367-374.	1.0	46
32	Remodeling of Light-Harvesting Protein Complexes in Chlamydomonas in Response to Environmental Changes. Eukaryotic Cell, 2004, 3, 1370-1380.	3.4	50
33	Organization of the AAA+ Adaptor Protein PspA Is an Oligomeric Ring*. Journal of Biological Chemistry, 2004, 279, 8862-8866.	3.4	77
34	Low-light-adapted Prochlorococcus species possess specific antennae for each photosystem. Nature, 2003, 424, 1051-1054.	27.8	166
35	Structural Analysis of the Photosystem I Supercomplex of Cyanobacteria Induced by Iron Deficiencyâ€. Biochemistry, 2003, 42, 3180-3188.	2.5	60
36	The 1.45Ã... three-dimensional structure of C-phycocyanin from the thermophilic cyanobacterium Synechococcus elongatus. Journal of Structural Biology, 2003, 141, 149-155.	2.8	67

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37	Structure of a photosystem II supercomplex isolated from Prochloron didemni retaining its chlorophyll a/b light-harvesting system. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9050-9054.	7.1	86
38	Three-dimensional Reconstruction of a Light-harvesting Complex I- Photosystem I (LHCI-PSI) Supercomplex from the Green Alga Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2003, 278, 16135-16141.	3.4	123
39	Three-dimensional Electron Cryo-microscopy Study of the Extrinsic Domains of the Oxygen-evolving Complex of Spinach. Journal of Biological Chemistry, 2002, 277, 15006-15012.	3.4	49
40	Organization of transmembrane helices in photosystem II: comparison of plants and cyanobacteria. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1329-1335.	4.0	15
41	Three-dimensional electron cryo-microscopy study of the extrinsic domains of the oxygen-evolving complex of spinach. Assignment of the PsbO protein.. Journal of Biological Chemistry, 2002, 277, 23972.	3.4	0
42	Three-Dimensional Structure of the Photosystem II Core Dimer of Higher Plants Determined by Electron Microscopy. Journal of Structural Biology, 2001, 135, 262-269.	2.8	88
43	Subunit positioning and transmembrane helix organisation in the core dimer of photosystem II. FEBS Letters, 2001, 504, 142-151.	2.8	80
44	Iron deficiency induces the formation of an antenna ring around trimeric photosystem I in cyanobacteria. Nature, 2001, 412, 743-745.	27.8	377
45	Antenna ring around photosystem I. Nature, 2001, 413, 590-590.	27.8	118
46	Determining the structure of biological macromolecules by transmission electron microscopy, single particle analysis and 3D reconstruction. Progress in Biophysics and Molecular Biology, 2001, 75, 121-164.	2.9	70
47	Three-dimensional Model and Characterization of the Iron Stress-induced CP43â€²-Photosystem I Supercomplex Isolated from the Cyanobacterium Synechocystis PCC 6803. Journal of Biological Chemistry, 2001, 276, 43246-43252.	3.4	85
48	3D map of the plant photosystem II supercomplex obtained by cryoelectron microscopy and single particle analysis. Nature Structural Biology, 2000, 7, 44-47.	9.7	172
49	Three-dimensional Structure of Chlamydomonas reinhardtii and Synechococcus elongatus Photosystem II Complexes Allows for Comparison of Their Oxygen-evolving Complex Organization. Journal of Biological Chemistry, 2000, 275, 27940-27946.	3.4	109
50	Supermolecular structure of photosystem II and location of the PsbS protein. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1337-1344.	4.0	66
51	Title is missing!. Photosynthesis Research, 1999, 60, 191-198.	2.9	7
52	Subunit positioning in photosystem II revisited. Trends in Biochemical Sciences, 1999, 24, 43-45.	7.5	52
53	Localization of the 23-kDa subunit of the oxygen-evolving complex of photosystem II by electron microscopy. FEBS Journal, 1998, 252, 268-276.	0.2	54
54	The structure, function and dynamics of photosystem two. Physiologia Plantarum, 1997, 100, 817-827.	5.2	14

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55	Isolation and Biochemical Characterization of Monomeric and Dimeric Photosystem II Complexes from Spinach and Their Relevance to the Organisation of Photosystem II In vivo. FEBS Journal, 1997, 243, 422-429.	0.2	188
56	Supramolecular structure of the photosystem II complex from green plants and cyanobacteria.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 175-179.	7.1	324
57	Photosystem II Structure Investigated by Electron Microscopy and Single-Particle Averaging. , 1995, , 2169-2172.		0