

# Jon Nield

## List of Publications by Year in descending order

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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	Iron deficiency induces the formation of an antenna ring around trimeric photosystem I in cyanobacteria. <i>Nature</i> , 2001, 412, 743-745.	27.8	377
2	Supramolecular structure of the photosystem II complex from green plants and cyanobacteria.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 175-179.	7.1	324
3	A structural phylogenetic map for chloroplast photosynthesis. <i>Trends in Plant Science</i> , 2011, 16, 645-655.	8.8	218
4	Isolation and Biochemical Characterization of Monomeric and Dimeric Photosystem II Complexes from Spinach and Their Relevance to the Organisation of Photosystem II In vivo. <i>FEBS Journal</i> , 1997, 243, 422-429.	0.2	188
5	3D map of the plant photosystem II supercomplex obtained by cryoelectron microscopy and single particle analysis. <i>Nature Structural Biology</i> , 2000, 7, 44-47.	9.7	172
6	Low-light-adapted <i>Prochlorococcus</i> species possess specific antennae for each photosystem. <i>Nature</i> , 2003, 424, 1051-1054.	27.8	166
7	Refinement of the structural model for the Photosystem II supercomplex of higher plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 353-361.	1.0	124
8	Three-dimensional Reconstruction of a Light-harvesting Complex I-Photosystem I (LHCI-PSI) Supercomplex from the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 16135-16141.	3.4	123
9	Antenna ring around photosystem I. <i>Nature</i> , 2001, 413, 590-590.	27.8	118
10	Light-harvesting complex II protein CP29 binds to photosystem I of <i>Chlamydomonas reinhardtii</i> under State 2 conditions. <i>FEBS Journal</i> , 2005, 272, 4797-4806.	4.7	113
11	Amyloid- $\beta$ oligomers have a profound detergent-like effect on lipid membrane bilayers, imaged by atomic force and electron microscopy. <i>Journal of Biological Chemistry</i> , 2019, 294, 7566-7572.	3.4	112
12	Three-dimensional Structure of <i>Chlamydomonas reinhardtii</i> and <i>Synechococcus elongatus</i> Photosystem II Complexes Allows for Comparison of Their Oxygen-evolving Complex Organization. <i>Journal of Biological Chemistry</i> , 2000, 275, 27940-27946.	3.4	109
13	Insecticidal toxins from black widow spider venom. <i>Toxicon</i> , 2007, 49, 531-549.	1.6	94
14	Three-Dimensional Structure of the Photosystem II Core Dimer of Higher Plants Determined by Electron Microscopy. <i>Journal of Structural Biology</i> , 2001, 135, 262-269.	2.8	88
15	Structure of a photosystem II supercomplex isolated from <i>Prochloron didemni</i> retaining its chlorophyll a/b light-harvesting system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9050-9054.	7.1	86
16	Three-dimensional Model and Characterization of the Iron Stress-induced CP43 $\alpha$ -Photosystem I Supercomplex Isolated from the Cyanobacterium <i>Synechocystis</i> PCC 6803. <i>Journal of Biological Chemistry</i> , 2001, 276, 43246-43252.	3.4	85
17	Subunit positioning and transmembrane helix organisation in the core dimer of photosystem II. <i>FEBS Letters</i> , 2001, 504, 142-151.	2.8	80
18	Organization of the AAA+ Adaptor Protein PspA Is an Oligomeric Ring*. <i>Journal of Biological Chemistry</i> , 2004, 279, 8862-8866.	3.4	77

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19	Biochemical and Structural Studies of the Large Ycf4-Photosystem I Assembly Complex of the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2009, 21, 2424-2442.	6.6	77
20	Probing the Organization of Photosystem II in Photosynthetic Membranes by Atomic Force Microscopy. <i>Biochemistry</i> , 2008, 47, 431-440.	2.5	71
21	Determining the structure of biological macromolecules by transmission electron microscopy, single particle analysis and 3D reconstruction. <i>Progress in Biophysics and Molecular Biology</i> , 2001, 75, 121-164.	2.9	70
22	The multidrug resistance efflux complex, EmrAB from <i>Escherichia coli</i> forms a dimer in vitro. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 338-342.	2.1	70
23	The 1.45Å... three-dimensional structure of C-phycoyanin from the thermophilic cyanobacterium <i>Synechococcus elongatus</i> . <i>Journal of Structural Biology</i> , 2003, 141, 149-155.	2.8	67
24	Supermolecular structure of photosystem II and location of the PsbS protein. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000, 355, 1337-1344.	4.0	66
25	Structure of a large photosystem II supercomplex from <i>Acaryochloris marina</i> . <i>FEBS Letters</i> , 2005, 579, 1306-1310.	2.8	61
26	Structural Analysis of the Photosystem I Supercomplex of Cyanobacteria Induced by Iron Deficiency. <i>Biochemistry</i> , 2003, 42, 3180-3188.	2.5	60
27	The Deg Proteases Protect <i>Synechocystis</i> sp. PCC 6803 during Heat and Light Stresses but Are Not Essential for Removal of Damaged D1 Protein during the Photosystem Two Repair Cycle. <i>Journal of Biological Chemistry</i> , 2006, 281, 30347-30355.	3.4	60
28	Subunit Organization of a <i>Synechocystis</i> Hetero-Oligomeric Thylakoid FtsH Complex Involved in Photosystem II Repair. <i>Plant Cell</i> , 2012, 24, 3669-3683.	6.6	56
29	Localization of the 23-kDa subunit of the oxygen-evolving complex of photosystem II by electron microscopy. <i>FEBS Journal</i> , 1998, 252, 268-276.	0.2	54
30	The composition and structure of photosystem I-associated antenna from <i>Cyanidioschyzon merolae</i> . <i>Plant Journal</i> , 2010, 62, 886-897.	5.7	54
31	Subunit positioning in photosystem II revisited. <i>Trends in Biochemical Sciences</i> , 1999, 24, 43-45.	7.5	52
32	Remodeling of Light-Harvesting Protein Complexes in <i>Chlamydomonas</i> in Response to Environmental Changes. <i>Eukaryotic Cell</i> , 2004, 3, 1370-1380.	3.4	50
33	Three-dimensional Electron Cryo-microscopy Study of the Extrinsic Domains of the Oxygen-evolving Complex of Spinach. <i>Journal of Biological Chemistry</i> , 2002, 277, 15006-15012.	3.4	49
34	Iron deficiency induces a chlorophyll d-binding Pcb antenna system around Photosystem I in <i>Acaryochloris marina</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1708, 367-374.	1.0	46
35	Cross-linking Evidence for Multiple Interactions of the PsbP and PsbQ Proteins in a Higher Plant Photosystem II Supercomplex. <i>Journal of Biological Chemistry</i> , 2014, 289, 20150-20157.	3.4	45
36	Structural and Mutational Analysis of Band 7 Proteins in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. <i>Journal of Bacteriology</i> , 2009, 191, 6425-6435.	2.2	42

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37	Biophysical and genetic analysis of iron partitioning and ferritin function in <i>Drosophila melanogaster</i> . <i>Metallomics</i> , 2013, 5, 997.	2.4	38
38	Structural Organization of Photosynthetic Apparatus in Agranal Chloroplasts of Maize. <i>Journal of Biological Chemistry</i> , 2008, 283, 26037-26046.	3.4	34
39	Proteomic characterization and three-dimensional electron microscopy study of PSII-LHCII supercomplexes from higher plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1454-1462.	1.0	31
40	The N-terminal sequence of the extrinsic PsbP protein modulates the redox potential of Cyt b559 in photosystem II. <i>Scientific Reports</i> , 2016, 6, 21490.	3.3	24
41	Isolation of novel PSII-LHCII megacomplexes from pea plants characterized by a combination of proteomics and electron microscopy. <i>Photosynthesis Research</i> , 2016, 130, 19-31.	2.9	24
42	Serum Albumin's Protective Inhibition of Amyloid- $\beta^2$ Fiber Formation Is Suppressed by Cholesterol, Fatty Acids and Warfarin. <i>Journal of Molecular Biology</i> , 2018, 430, 919-934.	4.2	24
43	A highly active histidine-tagged <i>Chlamydomonas reinhardtii</i> Photosystem II preparation for structural and biophysical analysis. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 1177-1183.	2.9	16
44	Organization of transmembrane helices in photosystem II: comparison of plants and cyanobacteria. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 1329-1335.	4.0	15
45	The structure, function and dynamics of photosystem two. <i>Physiologia Plantarum</i> , 1997, 100, 817-827.	5.2	14
46	Accessory Chlorophyll Proteins in Cyanobacterial Photosystem I. , 2006, , 99-117.		13
47	Redox Tuning in Photosystem II. <i>Trends in Plant Science</i> , 2017, 22, 97-99.	8.8	12
48	Title is missing!. <i>Photosynthesis Research</i> , 1999, 60, 191-198.	2.9	7
49	Oligomeric states in sodium ion-dependent regulation of cyanobacterial histidine kinase-2. <i>Protoplasma</i> , 2018, 255, 937-952.	2.1	5
50	Structural Analysis of the Photosystem II Core/Antenna Holocomplex by Electron Microscopy. , 2005, , 403-424.		4
51	Molecular Recognition: How Photosynthesis Anchors the Mobile Antenna. <i>Trends in Plant Science</i> , 2019, 24, 388-392.	8.8	3
52	Structural Analysis of an FtsH2/FtsH3 Complex Isolated from <i>Synechocystis</i> sp. PCC 6803. , 2008, , 737-740.		2
53	Calmodulin binding-heat shock proteins form a ring structure in the rat testis. <i>Molecular Reproduction and Development</i> , 2010, 77, 738-738.	2.0	0
54	Three-dimensional electron cryo-microscopy study of the extrinsic domains of the oxygen-evolving complex of spinach. Assignment of the PsbO protein.. <i>Journal of Biological Chemistry</i> , 2002, 277, 23972.	3.4	0

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55	A Detailed Structural Model For The Eukaryotic Lhci-Ps Ii Supercomplex. , 2008, , 357-361.		0
56	Investigating The Organization Of Photosystem Ii In Spinach Photosynthetic Membranes By Atomic Force Microscopy. , 2008, , 779-782.		0
57	Photosystem Ii Structure Investigated by Electron Microscopy and Single-Particle Averaging. , 1995, , 2169-2172.		0