Roberta Croce

List of Publications by Year
in descending order

192 papers	12,929 citations	15504 65 h-index	28297 105 g-index
202 all docs	202 docs citations	202 times ranked	6818 citing authors

#	Article	IF	Citations
1	The Loroxanthin Cycle: A New Type of Xanthophyll Cycle in Green Algae (Chlorophyta). Frontiers in Plant Science, 2022, 13, 797294.	3.6	4
2	Photosynthetic Light Harvesting and Thylakoid Organization in a CRISPR/Cas9 Arabidopsis Thaliana LHCB1 Knockout Mutant. Frontiers in Plant Science, 2022, 13, 833032.	3.6	16
3	PSII supercomplex disassembly is not needed for the induction of energy quenching (qE). Photosynthesis Research, 2022, 152, 275-281.	2.9	4
4	Distance and Potential Dependence of Charge Transport Through the Reaction Center of Individual Photosynthetic Complexes. Small, 2022, 18, 2104366.	10.0	4
5	A kaleidoscope of photosynthetic antenna proteins and their emerging roles. Plant Physiology, 2022, 189, 1204-1219.	4.8	14
6	The antenna of far-red absorbing cyanobacteria increases both absorption and quantum efficiency of Photosystem II. Nature Communications, 2022, 13, .	12.8	15
7	Uncovering the interactions driving carotenoid binding in light-harvesting complexes. Chemical Science, 2021, 12, 5113-5122.	7.4	18
8	Photosynthesis | Light-Harvesting Complex I and II - Pigments and Proteins. , 2021, , 236-244.		0
9	Fast Photo-Chrono-Amperometry of Photosynthetic Complexes for Biosensors and Electron Transport Studies. ACS Sensors, 2021, 6, 581-587.	7.8	2
10	The PsbS protein and low pH are necessary and sufficient to induce quenching in the light-harvesting complex of plants LHCII. Scientific Reports, 2021, 11, 7415.	3.3	33
11	Longâ€term adaptation of <scp><i>Arabidopsis thaliana</i></scp> to farâ€red light. Plant, Cell and Environment, 2021, 44, 3002-3014.	5.7	17
12	Understanding the Relation between Structural and Spectral Properties of Light-Harvesting Complex II. Journal of Physical Chemistry A, 2021, 125, 4313-4322.	2.5	10
13	Harvesting Far-Red Light with Plant Antenna Complexes Incorporating Chlorophyll <i>d</i>. Biomacromolecules, 2021, 22, 3313-3322.	5.4	18
14	Altering the exciton landscape by removal of specific chlorophylls in monomeric LHCII provides information on the sites of triplet formation and quenching by means of ODMR and EPR spectroscopies. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148481.	1.0	11
15	Lipid and protein dynamics of stacked and cation-depletion induced unstacked thylakoid membranes. BBA Advances, 2021, 1, 100015.	1.6	8
16	Breaking the Red Limit: Efficient Trapping of Long-Wavelength Excitations in Chlorophyll-f-Containing Photosystem I. CheM, 2021, 7, 155-173.	11.7	17
17	A new, unquenched intermediate of LHCII. Journal of Biological Chemistry, 2021, 296, 100322.	3.4	6
18	News stories must account for gender bias. Science, 2021, 374, 1455-1456.	12.6	0

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19	Molecular origins of induction and loss of photoinhibition-related energy dissipation q _I. Science Advances, 2021, 7, eabj0055.	10.3	26
20	Tuning antenna function through hydrogen bonds to chlorophyll a. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148078.	1.0	23
21	Carotenoid dark state to chlorophyll energy transfer in isolated light-harvesting complexes CP24 and CP29. Photosynthesis Research, 2020, 143, 19-30.	2.9	6
22	Consequences of the reduction of the Photosystem II antenna size on the light acclimation capacity of <scp><i>Arabidopsis thaliana</i></scp>. Plant, Cell and Environment, 2020, 43, 866-879.	5.7	29
23	Far-red absorption and light-use efficiency trade-offs in chlorophyll f photosynthesis. Nature Plants, 2020, 6, 1044-1053.	9.3	41
24	Water-soluble chlorophyll-binding proteins from Brassica oleracea allow for stable photobiocatalytic oxidation of cellulose by a lytic polysaccharide monooxygenase. Biotechnology for Biofuels, 2020, 13, 192.	6.2	6
25	Light harvesting in oxygenic photosynthesis: Structural biology meets spectroscopy. Science, 2020, 369, .	12.6	172
26	Direct energy transfer from photosystem II to photosystem I confers winter sustainability in Scots Pine. Nature Communications, 2020, 11, 6388.	12.8	50
27	Complete mapping of energy transfer pathways in the plant light-harvesting complex Lhca4. Physical Chemistry Chemical Physics, 2020, 22, 25720-25729.	2.8	4
28	Harvesting far-red light: Functional integration of chlorophyll f into Photosystem I complexes of Synechococcus sp. PCC 7002. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148206.	1.0	25
29	Light-harvesting complexes access analogue emissive states in different environments. Chemical Science, 2020, 11, 5697-5709.	7.4	11
30	Light-harvesting complex II is an antenna of photosystem I in dark-adapted plants. Nature Plants, 2020, 6, 860-868.	9.3	32
31	Beyond â€˜seeing is believingâ€™: the antenna size of the photosystems <i>in vivo</i>. New Phytologist, 2020, 228, 1214-1218.	7.3	25
32	Design principles of solar light harvesting in plants: Functional architecture of the monomeric antenna CP29. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148156.	1.0	26
33	<i>Chlamydomonas reinhardtii</i> Exhibits De Facto Constitutive NPQ Capacity in Physiologically Relevant Conditions. Plant Physiology, 2020, 182, 472-479.	4.8	28
34	Light harvesting in oxygenic photosynthesis. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148172.	1.0	2
35	Molecular dynamics simulations in photosynthesis. Photosynthesis Research, 2020, 144, 273-295.	2.9	50
36	Photobiocatalysis by a Lytic Polysaccharide Monooxygenase Using Intermittent Illumination. ACS Sustainable Chemistry and Engineering, 2020, 8, 9301-9310.	6.7	20

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37	PSI of the Colonial Alga Botryococcus braunii Has an Unusually Large Antenna Size. Plant Physiology, 2020, 184, 2040-2051.	4.8	5
38	Photosynthesis without Î²-carotene. ELife, 2020, 9, .	6.0	30
39	Electrochemically Gated Longâ€Distance Charge Transport in Photosystemâ€…I. Angewandte Chemie, 2019, 131, 13414-13418.	2.0	0
40	Electrochemically Gated Longâ€Distance Charge Transport in Photosystemâ€…I. Angewandte Chemie - International Edition, 2019, 58, 13280-13284.	13.8	8
41	Capturing the Quenching Mechanism of Light-Harvesting Complexes of Plants by Zooming in on the Ensemble. CheM, 2019, 5, 2900-2912.	11.7	50
42	Disentangling the sites of non-photochemical quenching in vascular plants. Nature Plants, 2019, 5, 1177-1183.	9.3	107
43	Lack of long-lived quantum coherence in the photosynthetic energy transfer. EPJ Web of Conferences, 2019, 205, 09035.	0.3	2
44	Molecular Anatomy of Plant Photoprotective Switches: The Sensitivity of PsbS to the Environment, Residue by Residue. Journal of Physical Chemistry Letters, 2019, 10, 1737-1742.	4.6	34
45	pH dependence, kinetics and light-harvesting regulation of nonphotochemical quenching in <i>Chlamydomonas</i>. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8320-8325.	7.1	68
46	Nanophotonics of higher-plant photosynthetic membranes. Light: Science and Applications, 2019, 8, 5.	16.6	28
47	Thermal unfolding and refolding of a lytic polysaccharide monooxygenase from<i>Thermoascus aurantiacus</i>. RSC Advances, 2019, 9, 29734-29742.	3.6	21
48	Time-resolved fluorescence measurements on leaves: principles and recent developments. Photosynthesis Research, 2019, 140, 355-369.	2.9	31
49	Light Acclimation of the Colonial Green Alga <i>Botryococcus braunii</i> Strain Showa. Plant Physiology, 2019, 179, 1132-1143.	4.8	12
50	<scp>RAF</scp>2 is a RuBis<scp>CO</scp> assembly factor in <i>Arabidopsis thaliana</i>. Plant Journal, 2018, 94, 146-156.	5.7	22
51	Revisiting the Role of Xanthophylls in Nonphotochemical Quenching. Journal of Physical Chemistry Letters, 2018, 9, 346-352.	4.6	36
52	Light-harvesting complexes of Botryococcus braunii. Photosynthesis Research, 2018, 135, 191-201.	2.9	8
53	Introduction: light harvesting for photosynthesis. Photosynthesis Research, 2018, 135, 1-2.	2.9	7
54	Dynamics of the mixed exciton and charge-transfer states in light-harvesting complex Lhca4: Hierarchical equation approach. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 655-665.	1.0	10

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55	Multiple LHCII antennae can transfer energy efficiently to a single Photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 371-378.	1.0	49
56	Zeaxanthin-dependent nonphotochemical quenching does not occur in photosystem I in the higher plant Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4828-4832.	7.1	35
57	Photoprotection strategies of the alga Nannochloropsis gaditana. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 544-552.	1.0	26
58	Interaction between the photoprotective protein LHCSR3 and C 2 S 2 Photosystem II supercomplex in Chlamydomonas reinhardtii. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 379-385.	1.0	31
59	Slow and Fast Fluorescence Quenching of LHCII in Chlamydomonas Reinhardtii Cells. Biophysical Journal, 2017, 112, 441a.	0.5	0
60	Primary Charge Separation in the Photosystem II Reaction Center Revealed by a Global Analysis of the Two-dimensional Electronic Spectra. Scientific Reports, 2017, 7, 12347.	3.3	34
61	Leaf and Plant Age Affects Photosynthetic Performance and Photoprotective Capacity. Plant Physiology, 2017, 175, 1634-1648.	4.8	88
62	The complex that conquered the land. Science, 2017, 357, 752-752.	12.6	7
63	PSB33 sustains photosystem II D1 protein under fluctuating light conditions. Journal of Experimental Botany, 2017, 68, 4281-4293.	4.8	12
64	Polarization-controlled optimal scatter suppression in transient absorption spectroscopy. Scientific Reports, 2017, 7, 43484.	3.3	10
65	Functional organization of photosystem II antenna complexes: CP29 under the spotlight. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 815-822.	1.0	21
66	Different carotenoid conformations have distinct functions in light-harvesting regulation in plants. Nature Communications, 2017, 8, 1994.	12.8	83
67	Coulomb couplings in solubilised light harvesting complex II (LHCII): challenging the ideal dipole approximation from TDDFT calculations. Physical Chemistry Chemical Physics, 2017, 19, 18311-18320.	2.8	22
68	Conservation of core complex subunits shaped the structure and function of photosystem I in the secondary endosymbiont alga Nannochloropsis gaditana. New Phytologist, 2017, 213, 714-726.	7.3	27
69	Effect of Light Acclimation on the Organization of Photosystem II Super- and Sub-Complexes in Arabidopsis thaliana. Frontiers in Plant Science, 2016, 7, 105.	3.6	53
70	Excitation dynamics and structural implication of the stress-related complex LHCSR3 from the green alga Chlamydomonas reinhardtii. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1514-1523.	1.0	30
71	Engineering a pH-Regulated Switch in the Major Light-Harvesting Complex of Plants (LHCII): Proof of Principle. Journal of Physical Chemistry B, 2016, 120, 12531-12535.	2.6	5
72	The Role of Protein Conformational Changes in Tuning the Fluorescence State of Light-Harvesting Complexes. Biophysical Journal, 2016, 110, 313a.	0.5	0

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73	A photo shoot of plant photosystem II. Nature, 2016, 534, 42-43.	27.8	1
74	Excitation energy transfer in Chlamydomonas reinhardtii deficient in the PSI core or the PSII core under conditions mimicking state transitions. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 625-633.	1.0	28
75	Dynamic quenching in single photosystem II supercomplexes. Physical Chemistry Chemical Physics, 2016, 18, 25852-25860.	2.8	12
76	Carbon Supply and Photoacclimation Cross Talk in the Green Alga <i>Chlamydomonas reinhardtii</i>. Plant Physiology, 2016, 172, 1494-1505.	4.8	65
77	LHCSR1 induces a fast and reversible pH-dependent fluorescence quenching in LHCII in <i>Chlamydomonas reinhardtii</i> cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7673-7678.	7.1	81
78	Mixing of exciton and charge-transfer states in light-harvesting complex Lhca4. Physical Chemistry Chemical Physics, 2016, 18, 19368-19377.	2.8	36
79	Light-harvesting Complexes (LHCs) Cluster Spontaneously in Membrane Environment Leading to Shortening of Their Excited State Lifetimes. Journal of Biological Chemistry, 2016, 291, 16730-16739.	3.4	78
80	Invitation to the 17th international congress on photosynthesis research in 2016: photosynthesis in a changing world. Photosynthesis Research, 2016, 127, 281-284.	2.9	1
81	From light-harvesting to photoprotection: structural basis of the dynamic switch of the major antenna complex of plants (LHCII). Scientific Reports, 2015, 5, 15661.	3.3	108
82	Molecular insights into Zeaxanthin-dependent quenching in higher plants. Scientific Reports, 2015, 5, 13679.	3.3	88
83	Characterization of the Major Light-Harvesting Complexes (LHCBM) of the Green Alga Chlamydomonas reinhardtii. PLoS ONE, 2015, 10, e0119211.	2.5	53
84	LHCII Populations in Different Quenching States Are Present in the Thylakoid Membranes in a Ratio that Depends on the Light Conditions. Journal of Physical Chemistry Letters, 2015, 6, 2339-2344.	4.6	36
85	The Role of Exciton Delocalization in the Major Photosynthetic Light-Harvesting Antenna of Plants. Biophysical Journal, 2015, 108, 1047-1056.	0.5	26
86	A close view of photosystem I. Science, 2015, 348, 970-971.	12.6	9
87	The High Efficiency of Photosystem I in the Green Alga Chlamydomonas reinhardtii Is Maintained after the Antenna Size Is Substantially Increased by the Association of Light-harvesting Complexes II. Journal of Biological Chemistry, 2015, 290, 30587-30595.	3.4	26
88	Single-molecule exploration of photoprotective mechanisms in light-harvesting complexes. , 2015, , .		0
89	Single-Molecule Identification of Quenched and Unquenched States of LHCII. Journal of Physical Chemistry Letters, 2015, 6, 860-867.	4.6	88
90	PSIâ€"LHCI of Chlamydomonas reinhardtii : Increasing the absorption cross section without losing efficiency. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 458-467.	1.0	50

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91	Redesigning photosynthesis to sustainably meet global food and bioenergy demand. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8529-8536.	7.1	751
92	Carotenoidâ€"chlorophyll coupling and fluorescence quenching in aggregated minor PSII proteins CP24 and CP29. Photosynthesis Research, 2015, 124, 171-180.	2.9	12
93	PsbS is the plants' pick for sun protection. Nature Structural and Molecular Biology, 2015, 22, 650-652.	8.2	15
94	Consequences of state transitions on the structural and functional organization of <scp>P</scp>hotosystem <scp>I</scp> in the green alga <i><scp>C</scp>hlamydomonas reinhardtii</i>. Plant Journal, 2014, 78, 181-191.	5.7	87
95	State transitions in <i>Chlamydomonas reinhardtii</i> strongly modulate the functional size of photosystem II but not of photosystem I. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3460-3465.	7.1	130
96	Repressible chloroplast gene expression in Chlamydomonas: A new tool for the study of the photosynthetic apparatus. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1548-1552.	1.0	17
97	Light-harvesting complex II (LHCII) and its supramolecular organization in Chlamydomonas reinhardtii. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 63-72.	1.0	135
98	Towards in vivo mutation analysis: Knock-out of specific chlorophylls bound to the light-harvesting complexes of Arabidopsis thaliana â€" The case of CP24 (Lhcb6). Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1500-1506.	1.0	15
99	Natural strategies for photosynthetic light harvesting. Nature Chemical Biology, 2014, 10, 492-501.	8.0	745
100	In Vitro Reconstitution of Light-harvesting Complexes of Plants and Green Algae. Journal of Visualized Experiments, 2014, , e51852.	0.3	19
101	Light-harvesting in photosystem I. Photosynthesis Research, 2013, 116, 153-166.	2.9	223
102	Light harvesting in photosystem II. Photosynthesis Research, 2013, 116, 251-263.	2.9	125
103	LHCII is an antenna of both photosystems after long-term acclimation. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 420-426.	1.0	189
104	During State 1 to State 2 Transition in Arabidopsis thaliana, the Photosystem II Supercomplex Gets Phosphorylated but Does Not Disassemble. Journal of Biological Chemistry, 2013, 288, 32821-32826.	3.4	64
105	High-light vs. low-light: Effect of light acclimation on photosystem II composition and organization in Arabidopsis thaliana. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 411-419.	1.0	204
106	Quantum Yield of Charge Separation in Photosystem II: Functional Effect of Changes in the Antenna Size upon Light Acclimation. Journal of Physical Chemistry B, 2013, 117, 11200-11208.	2.6	115
107	Regulation of Light Harvesting in the Green Alga <i>Chlamydomonas reinhardtii</i>: The C-Terminus of LHCSR Is the Knob of a Dimmer Switch. Journal of the American Chemical Society, 2013, 135, 18339-18342.	13.7	112
108	Photosynthetic Quantum Yield Dynamics: From Photosystems to Leaves. Plant Cell, 2012, 24, 1921-1935.	6.6	303

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109	From red to blue to far-red in Lhca4: How does the protein modulate the spectral properties of the pigments?. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 711-717.	1.0	67
110	PMS: Photosystem I electron donor or fluorescence quencher. Photosynthesis Research, 2012, 111, 185-191.	2.9	34
111	Chlorophyll-Binding Proteins of Higher Plants and Cyanobacteria. Advances in Photosynthesis and Respiration, 2012, , 127-149.	1.0	8
112	Photosystem I of Chlamydomonas reinhardtii Contains Nine Light-harvesting Complexes (Lhca) Located on One Side of the Core. Journal of Biological Chemistry, 2011, 286, 44878-44887.	3.4	104
113	Excitation-Energy Transfer Dynamics of Higher Plant Photosystem I Light-Harvesting Complexes. Biophysical Journal, 2011, 100, 1372-1380.	0.5	53
114	Excitation Energy Transfer and Trapping in Higher Plant Photosystem II Complexes with Different Antenna Sizes. Biophysical Journal, 2011, 100, 2094-2103.	0.5	119
115	Minor Complexes at Work: Light-Harvesting by Carotenoids in the Photosystem II Antenna Complexes CP24 and CP26. Biophysical Journal, 2011, 100, 2829-2838.	0.5	13
116	The Role of the Individual Lhcas in Photosystem I Excitation Energy Trapping. Biophysical Journal, 2011, 101, 745-754.	0.5	89
117	The light-harvesting complexes of higher-plant Photosystem I: Lhca1/4 and Lhca2/3 form two red-emitting heterodimers. Biochemical Journal, 2011, 433, 477-485.	3.7	101
118	Light-harvesting and structural organization of Photosystem II: From individual complexes to thylakoid membrane. Journal of Photochemistry and Photobiology B: Biology, 2011, 104, 142-153.	3.8	154
119	Conformational switching explains the intrinsic multifunctionality of plant light-harvesting complexes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13516-13521.	7.1	101
120	Functional analysis of Photosystem I light-harvesting complexes (Lhca) gene products of Chlamydomonas reinhardtii. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 212-221.	1.0	58
121	Photosystem I light-harvesting complex Lhca4 adopts multiple conformations: Red forms and excited-state quenching are mutually exclusive. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 501-508.	1.0	37
122	Singlet Energy Dissipation in the Photosystem II Lightâ€Harvesting Complex Does Not Involve Energy Transfer to Carotenoids. ChemPhysChem, 2010, 11, 1289-1296.	2.1	177
123	Effect of Antenna-Depletion in Photosystem II on Excitation Energy Transfer in Arabidopsis thaliana. Biophysical Journal, 2010, 98, 922-931.	0.5	96
124	Identifying the Quencher of Excited State Energy in Photosynthetic Antennae. Biophysical Journal, 2010, 98, 171a-172a.	0.5	0
125	Energy Transfer Pathways in the CP24 and CP26 Antenna Complexes of Higher Plant Photosystem II: A Comparative Study. Biophysical Journal, 2010, 99, 4056-4065.	0.5	22
126	Molecular Basis of Light Harvesting and Photoprotection in CP24. Journal of Biological Chemistry, 2009, 284, 29536-29546.	3.4	51

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127	Occupancy and Functional Architecture of the Pigment Binding Sites of Photosystem II Antenna Complex Lhcb5. Journal of Biological Chemistry, 2009, 284, 8103-8113.	3.4	38
128	The Role of Lhca Complexes in the Supramolecular Organization of Higher Plant Photosystem I. Journal of Biological Chemistry, 2009, 284, 7803-7810.	3.4	85
129	Ultrafast resonance energy transfer from a site-specifically attached fluorescent chromophore reveals the folding of the N-terminal domain of CP29. Chemical Physics, 2009, 357, 113-119.	1.9	32
130	Functional architecture of higher plant photosystem II supercomplexes. EMBO Journal, 2009, 28, 3052-3063.	7.8	385
131	Site-Directed Spin-Labeling Study of the Light-Harvesting Complex CP29. Biophysical Journal, 2009, 96, 3620-3628.	0.5	7
132	Picosecond Fluorescence Of Intact And Dissolved PSI-LHCI Crystals. Biophysical Journal, 2009, 96, 524a.	0.5	0
133	The Origin of the Low-Energy Form of Photosystem I Light-Harvesting Complex Lhca4: Mixing of the Lowest Exciton with a Charge-Transfer State. Biophysical Journal, 2009, 96, L35-L37.	0.5	74
134	Farâ€red fluorescence: A direct spectroscopic marker for LHCII oligomer formation in nonâ€photochemical quenching. FEBS Letters, 2008, 582, 3625-3631.	2.8	253
135	Picosecond Fluorescence of Intact and Dissolved PSI-LHCI Crystals. Biophysical Journal, 2008, 95, 5851-5861.	0.5	85
136	Determination of the excitation migration time in Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 404-409.	1.0	85
137	Photoprotection in higher plants: The putative quenching site is conserved in all outer light-harvesting complexes of Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 1263-1267.	1.0	85
138	Photoprotection in the Antenna Complexes of Photosystem II. Journal of Biological Chemistry, 2008, 283, 6184-6192.	3.4	177
139	A specific binding site for neoxanthin in the monomeric antenna proteins CP26 and CP29 of Photosystem II. FEBS Letters, 2007, 581, 4704-4710.	2.8	73
140	Understanding the Changes in the Circular Dichroism of Light Harvesting Complex II upon Varying Its Pigment Composition and Organization. Biochemistry, 2007, 46, 4745-4754.	2.5	92
141	Singlet and Triplet State Transitions of Carotenoids in the Antenna Complexes of Higher-Plant Photosystem Iâ€. Biochemistry, 2007, 46, 3846-3855.	2.5	41
142	The Low-Energy Forms of Photosystem I Light-Harvesting Complexes: Spectroscopic Properties and Pigment-Pigment Interaction Characteristics. Biophysical Journal, 2007, 93, 2418-2428.	0.5	65
143	Probing the structure of Lhca3 by mutation analysis. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 1607-1613.	1.0	42
144	LHCI: The Antenna Complex of Photosystem I in Plants and Green Algae. , 2006, , 119-137.		7

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145	Diffusion of lightâ€harvesting complex II in the thylakoid membranes. EMBO Reports, 2005, 6, 782-786.	4.5	41
146	Pigment-Pigment Interactions in Lhca4 Antenna Complex of Higher Plants Photosystem I. Journal of Biological Chemistry, 2005, 280, 20612-20619.	3.4	63
147	Excitation Decay Pathways of Lhca Proteins:Â A Time-Resolved Fluorescence Study. Journal of Physical Chemistry B, 2005, 109, 21150-21158.	2.6	33
148	Excitation Energy Transfer Pathways in Lhca4. Biophysical Journal, 2005, 88, 1959-1969.	0.5	22
149	Comparison of the Light-Harvesting Networks of Plant and Cyanobacterial Photosystem I. Biophysical Journal, 2005, 89, 1630-1642.	0.5	78
150	Origin of the 701-nm Fluorescence Emission of the Lhca2 Subunit of Higher Plant Photosystem I. Journal of Biological Chemistry, 2004, 279, 48543-48549.	3.4	39
151	A Look within LHCII:â€‰ Differential Analysis of the Lhcb1â^'3 Complexes Building the Major Trimeric Antenna Complex of Higher-Plant Photosynthesis. Biochemistry, 2004, 43, 9467-9476.	2.5	134
152	Red Spectral Forms of Chlorophylls in Green Plant PSIâ^' A Site-Selective and High-Pressure Spectroscopy Study+. Journal of Physical Chemistry B, 2003, 107, 9086-9093.	2.6	69
153	The Nature of a Chlorophyll Ligand in Lhca Proteins Determines the Far Red Fluorescence Emission Typical of Photosystem I. Journal of Biological Chemistry, 2003, 278, 49223-49229.	3.4	167
154	The photochemical trapping rate from red spectral states in PSIâ€"LHCI is determined by thermal activation of energy transfer to bulk chlorophylls. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1557, 91-98.	1.0	84
155	Chlorophyll b to Chlorophyll a Energy Transfer Kinetics in the CP29 Antenna Complex: A Comparative Femtosecond Absorption Study between Native and Reconstituted Proteins. Biophysical Journal, 2003, 84, 2508-2516.	0.5	44
156	Energy Transfer Pathways in the Minor Antenna Complex CP29 of Photosystem II: A Femtosecond Study of Carotenoid to Chlorophyll Transfer on Mutant and WT Complexes. Biophysical Journal, 2003, 84, 2517-2532.	0.5	54
157	Recombinant Lhca2 and Lhca3 Subunits of the Photosystem I Antenna System. Biochemistry, 2003, 42, 4226-4234.	2.5	91
158	Xanthophyll Binding Sites of the CP29 (Lhcb4) Subunit of Higher Plant Photosystem II Investigated by Domain Swapping and Mutation Analysis. Journal of Biological Chemistry, 2003, 278, 19190-19198.	3.4	31
159	Mutation Analysis of Lhca1 Antenna Complex. Journal of Biological Chemistry, 2002, 277, 36253-36261.	3.4	77
160	A Structural Investigation of the Central ChlorophyllaBinding Sites in the Minor Photosystem II Antenna Protein,Lhcb4â€. Biochemistry, 2002, 41, 2305-2310.	2.5	10
161	Chromophore Organization in the Higher-Plant Photosystem II Antenna Protein CP26. Biochemistry, 2002, 41, 7334-7343.	2.5	186
162	The Lhca antenna complexes of higher plants photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 2002, 1556, 29-40.	1.0	152

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