

GyÅ‘zÅ‘ Garab

List of Publications by Year in descending order

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166
papers

6,356
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57758

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all docs

172
docs citations

172
times ranked

4788
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and principles of self-assembly of giant sea urchin-type sulfonatophenyl porphine aggregates. <i>Nano Research</i> , 2022, 15, 5527-5537.	10.4	10
2	Structural and functional roles of non-bilayer lipid phases of chloroplast thylakoid membranes and mitochondrial inner membranes. <i>Progress in Lipid Research</i> , 2022, 86, 101163.	11.6	21
3	Ultrafast excitation quenching by the oxidized photosystem II reaction center. <i>Journal of Chemical Physics</i> , 2022, 156, 145101.	3.0	7
4	Short-Chained Alcohols Make Membrane Surfaces Conductive for Melittin Action: Implication for the Physiological Role of Alcohols in Cells. <i>Cells</i> , 2022, 11, 1928.	4.1	3
5	Neutron scattering in photosynthesis research: recent advances and perspectives for testing crop plants. <i>Photosynthesis Research</i> , 2021, 150, 41-49.	2.9	8
6	Plasticity of Photosystem II. Fine-Tuning of the Structure and Function of Light-Harvesting Complex II and the Reaction Center. <i>Advances in Photosynthesis and Respiration</i> , 2021, , 375-393.	1.0	0
7	Light-adapted charge-separated state of photosystem II: structural and functional dynamics of the closed reaction center. <i>Plant Cell</i> , 2021, 33, 1286-1302.	6.6	74
8	Accumulation of geranylgeranylated chlorophylls in the pigment-protein complexes of <i>Arabidopsis thaliana</i> acclimated to green light: effects on the organization of light-harvesting complex II and photosystem II functions. <i>Photosynthesis Research</i> , 2021, 149, 233-252.	2.9	8
9	Cardiolipin, Non-Bilayer Structures and Mitochondrial Bioenergetics: Relevance to Cardiovascular Disease. <i>Cells</i> , 2021, 10, 1721.	4.1	23
10	Differential Polarization Imaging of Plant Cells. Mapping the Anisotropy of Cell Walls and Chloroplasts. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7661.	4.1	0
11	Lipid Polymorphism of the Subchloroplast Granum and Stroma Thylakoid Membrane Particles. II. Structure and Functions. <i>Cells</i> , 2021, 10, 2363.	4.1	5
12	Lipid Polymorphism of the Subchloroplast Granum and Stroma Thylakoid Membrane Particles. I. ³¹ P-NMR Spectroscopy. <i>Cells</i> , 2021, 10, 2354.	4.1	6
13	Bee Venom Melittin Disintegrates the Respiration of Mitochondria in Healthy Cells and Lymphoblasts, and Induces the Formation of Non-Bilayer Structures in Model Inner Mitochondrial Membranes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11122.	4.1	12
14	Salt Stress Induces Paramylon Accumulation and Fine-Tuning of the Macro-Organization of Thylakoid Membranes in <i>Euglena gracilis</i> Cells. <i>Frontiers in Plant Science</i> , 2021, 12, 725699.	3.6	5
15	The fluid-mosaic membrane theory in the context of photosynthetic membranes: Is the thylakoid membrane more like a mixed crystal or like a fluid?. <i>Journal of Plant Physiology</i> , 2020, 252, 153246.	3.5	16
16	Similarities and Differences in the Effects of Toxic Concentrations of Cadmium and Chromium on the Structure and Functions of Thylakoid Membranes in <i>Chlorella variabilis</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 1006.	3.6	15
17	Thylakoid membrane reorganizations revealed by small-angle neutron scattering of <i>Monstera deliciosa</i> leaves associated with non-photochemical quenching. <i>Open Biology</i> , 2020, 10, 200144.	3.6	9
18	Modulation of non-bilayer lipid phases and the structure and functions of thylakoid membranes: effects on the water-soluble enzyme violaxanthin de-epoxidase. <i>Scientific Reports</i> , 2020, 10, 11959.	3.3	26

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19	Role of Protein-Water Interface in the Stacking Interactions of Granum Thylakoid Membranes As Revealed by the Effects of Hofmeister Salts. <i>Frontiers in Plant Science</i> , 2020, 11, 1257.	3.6	12
20	Celebrating the contributions of Govindjee after his retirement: 1999–2020. <i>New Zealand Journal of Botany</i> , 2020, 58, 422-460.	1.1	2
21	Spectral tuning of light-harvesting complex II in the siphonous alga <i>Bryopsis corticulans</i> and its effect on energy transfer dynamics. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148191.	1.0	9
22	Lipid polymorphism of plant thylakoid membranes. Enhanced nonbilayer lipid phases associated with increased membrane permeability. <i>Physiologia Plantarum</i> , 2019, 166, 278-287.	5.2	12
23	Fluorescence-detected linear dichroism imaging in a re-scan confocal microscope equipped with differential polarization attachment. <i>European Biophysics Journal</i> , 2019, 48, 457-463.	2.2	4
24	Dependence of chlorophyll fluorescence quenching on the lipid-to-protein ratio in reconstituted light-harvesting complex II membranes containing lipid labels. <i>Chemical Physics</i> , 2019, 522, 242-248.	1.9	31
25	Redox transients of P680 associated with the incremental chlorophyll fluorescence yield rises elicited by a series of saturating flashes in diuron-treated photosystem II core complex of <i>Thermosynechococcus vulcanus</i> . <i>Physiologia Plantarum</i> , 2019, 166, 22-32.	5.2	19
26	Anisotropic Circular Dichroism of Light-Harvesting Complex II in Oriented Lipid Bilayers: Theory Meets Experiment. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1090-1098.	2.6	18
27	Effects of selenate and red Se-nanoparticles on the photosynthetic apparatus of <i>Nicotiana tabacum</i> . <i>Photosynthesis Research</i> , 2019, 139, 449-460.	2.9	38
28	Imaging linear and circular polarization features in leaves with complete Mueller matrix polarimetry. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1350-1363.	2.4	43
29	Rate-limiting steps in the dark-to-light transition of Photosystem II - revealed by chlorophyll-a fluorescence induction. <i>Scientific Reports</i> , 2018, 8, 2755.	3.3	51
30	Increased thermal stability of photosystem II and the macro-organization of thylakoid membranes, induced by co-solutes, associated with changes in the lipid-phase behaviour of thylakoid membranes. <i>Photosynthetica</i> , 2018, 56, 254-264.	1.7	23
31	Biochemical and pharmacological characterization of three opioid-nociceptin hybrid peptide ligands reveals substantially differing modes of their actions. <i>Peptides</i> , 2018, 99, 205-216.	2.4	6
32	DEM - the dynamic exchange membrane model. Polymorphism of lipid phases in plant thylakoid membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, e106.	1.0	0
33	Selenate tolerance and selenium hyperaccumulation in the monocot giant reed (<i>Arundo donax</i>), a biomass crop plant with phytoremediation potential. <i>Environmental Science and Pollution Research</i> , 2018, 25, 31368-31380.	5.3	11
34	Our gratitude and congratulations to our guest editor Julian Eaton-Rye and thanks to all the 167 contributors to the special issue honoring professor Govindjee. <i>Photosynthetica</i> , 2018, 56, 1235-1236.	1.7	1
35	Automatic image processing morphometric method for the analysis of tracheid double wall thickness tested on juvenile <i>Picea omorika</i> trees exposed to static bending. <i>Trees - Structure and Function</i> , 2018, 32, 1347-1356.	1.9	4
36	Low-pH induced reversible reorganizations of chloroplast thylakoid membranes As revealed by small-angle neutron scattering. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 360-365.	1.0	13

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37	Two-Dimensional Spectroscopy of Chlorophyll <i>a</i> Excited-State Equilibration in Light-Harvesting Complex II. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 257-263.	4.6	34
38	Lipid polymorphism in chloroplast thylakoid membranes as revealed by 31P-NMR and time-resolved merocyanine fluorescence spectroscopy. <i>Scientific Reports</i> , 2017, 7, 13343.	3.3	41
39	Changes in aggregation states of light-harvesting complexes as a mechanism for modulating energy transfer in desert crust cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9481-9486.	7.1	26
40	Sensing photosynthetic herbicides in an electrochemical flow cell. <i>Photosynthesis Research</i> , 2017, 132, 127-134.	2.9	8
41	Parenchyma cell wall structure in twining stem of <i>Dioscorea balcanica</i> . <i>Cellulose</i> , 2017, 24, 4653-4669.	4.9	4
42	The Arabidopsis Thylakoid Chloride Channel AtCLCe Functions in Chloride Homeostasis and Regulation of Photosynthetic Electron Transport. <i>Frontiers in Plant Science</i> , 2016, 7, 115.	3.6	67
43	Ascorbate accumulation during sulphur deprivation and its effects on photosystem II activity and H ₂ production of the green alga <i>Chlamydomonas reinhardtii</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 1460-1472.	5.7	35
44	In situ high-resolution structure of the baseplate antenna complex in <i>Chlorobaculum tepidum</i> . <i>Nature Communications</i> , 2016, 7, 12454.	12.8	39
45	Fluorescence-Detected Linear Dichroism of Wood Cell Walls in Juvenile Serbian Spruce: Estimation of Compression Wood Severity. <i>Microscopy and Microanalysis</i> , 2016, 22, 361-367.	0.4	7
46	A voltage-dependent chloride channel fine-tunes photosynthesis in plants. <i>Nature Communications</i> , 2016, 7, 11654.	12.8	122
47	Role of MGDG and Non-bilayer Lipid Phases in the Structure and Dynamics of Chloroplast Thylakoid Membranes. <i>Sub-Cellular Biochemistry</i> , 2016, 86, 127-157.	2.4	47
48	Fingerprinting the macro-organisation of pigment-protein complexes in plant thylakoid membranes in vivo by circular-dichroism spectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1479-1489.	1.0	42
49	Involvement of the LhcX protein Fcp6 of the diatom <i>Cyclotella meneghiniana</i> in the macro-organisation and structural flexibility of thylakoid membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1373-1379.	1.0	28
50	Introduction to the 49ers special issue. <i>Photosynthesis Research</i> , 2016, 127, 1-3.	2.9	0
51	Comparison of macromolecular interactions in the cell walls of hardwood, softwood and maize by fluorescence and FTIR spectroscopy, differential polarization laser scanning microscopy and X-ray diffraction. <i>Wood Science and Technology</i> , 2016, 50, 547-566.	3.2	15
52	Honoring George C. Papageorgiou. <i>Photosynthetica</i> , 2016, 54, 158-160.	1.7	6
53	Excitation energy transfer between Light-harvesting complex II and Photosystem I in reconstituted membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 462-472.	1.0	31
54	Self-assembly and structural-functional flexibility of oxygenic photosynthetic machineries: personal perspectives. <i>Photosynthesis Research</i> , 2016, 127, 131-150.	2.9	21

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55	Structural and Functional Hierarchy in Photosynthetic Energy Conversionâ€”from Molecules to Nanostructures. <i>Nanoscale Research Letters</i> , 2015, 10, 458.	5.7	15
56	The Arabidopsis thylakoid transporter <sc>PHT</sc>4;1 influences phosphate availability for <sc>ATP</sc> synthesis and plant growth. <i>Plant Journal</i> , 2015, 84, 99-110.	5.7	59
57	Carotenoids are essential for the assembly of cyanobacterial photosynthetic complexes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1153-1165.	1.0	52
58	Pigment Interactions in Light-harvesting Complex II in Different Molecular Environments. <i>Journal of Biological Chemistry</i> , 2015, 290, 4877-4886.	3.4	58
59	Energy transfer dynamics in trimers and aggregates of light-harvesting complex II probed by 2D electronic spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 142, 212432.	3.0	23
60	Direct observation of multistep energy transfer in LHCII with fifth-order 3D electronic spectroscopy. <i>Nature Communications</i> , 2015, 6, 7914.	12.8	37
61	Chloroplast remodeling during state transitions in <i>Chlamydomonas reinhardtii</i> as revealed by noninvasive techniques in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5042-5047.	7.1	127
62	Structural Changes and Non-Photochemical Quenching of Chlorophyll a Fluorescence in Oxygenic Photosynthetic Organisms. <i>Advances in Photosynthesis and Respiration</i> , 2014, , 343-371.	1.0	3
63	Porphyrin nanorods-polymer composites for solar radiation harvesting applications. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014, 18, 1145-1156.	0.8	5
64	The ultrastructure and flexibility of thylakoid membranes in leaves and isolated chloroplasts as revealed by small-angle neutron scattering. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1572-1580.	1.0	45
65	Hierarchical organization and structural flexibility of thylakoid membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 481-494.	1.0	46
66	Pathways of energy transfer in LHCII revealed by room-temperature 2D electronic spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11640-11646.	2.8	51
67	Membrane Crystals of Plant Light-Harvesting Complex II Disassemble Reversibly in Light. <i>Plant and Cell Physiology</i> , 2014, 55, 1296-1303.	3.1	14
68	Heat- and light-induced detachment of the light harvesting complex from isolated photosystem I supercomplexes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 137, 13-20.	3.8	18
69	Monitoring thylakoid ultrastructural changes in vivo using small-angle neutron scattering. <i>Plant Physiology and Biochemistry</i> , 2014, 81, 197-207.	5.8	18
70	Heat- and light-induced detachment of the light-harvesting antenna complexes of photosystem I in isolated stroma thylakoid membranes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 137, 4-12.	3.8	13
71	Chlorophyll a fluorescence: beyond the limits of the QA model. <i>Photosynthesis Research</i> , 2014, 120, 43-58.	2.9	137
72	Excitation Energy Trapping and Dissipation by Ni-Substituted Bacteriochlorophyll <i>a</i> in Reconstituted LH1 Complexes from <i>Rhodospirillum rubrum</i> . <i>Journal of Physical Chemistry B</i> , 2013, 117, 11260-11271.	2.6	8

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73	The physiological roles and metabolism of ascorbate in chloroplasts. <i>Physiologia Plantarum</i> , 2013, 148, 161-175.	5.2	33
74	Kinetics of structural reorganizations in multilamellar photosynthetic membranes monitored by small-angle neutron scattering. <i>European Physical Journal E</i> , 2013, 36, 69.	1.6	30
75	Hofmeister ions control protein dynamics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4564-4572.	2.4	12
76	Ascorbate Alleviates Donor-Side Induced Photoinhibition by Acting as Alternative Electron Donor to Photosystem II. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 505-509.	0.1	0
77	Anisotropic Organization and Microscopic Manipulation of Self-Assembling Synthetic Porphyrin Microrods That Mimic Chlorosomes: Bacterial Light-Harvesting Systems. <i>Journal of the American Chemical Society</i> , 2012, 134, 944-954.	13.7	55
78	Nonlinear photonics properties of porphyrins nanocomposites and self-assembled porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 985-995.	0.8	22
79	Stimulatory effect of ascorbate, the alternative electron donor of photosystem II, on the hydrogen production of sulphur-deprived <i>Chlamydomonas reinhardtii</i> . <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8864-8871.	7.1	11
80	Low pH induced structural reorganization in thylakoid membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1388-1391.	1.0	22
81	Small-angle neutron scattering study of the ultrastructure of chloroplast thylakoid membranes – Periodicity and structural flexibility of the stroma lamellae. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1220-1228.	1.0	17
82	Physical origin of third order non-linear optical response of porphyrin nanorods. <i>Materials Chemistry and Physics</i> , 2012, 134, 646-650.	4.0	49
83	Cadmium exerts its toxic effects on photosynthesis via a cascade mechanism in the cyanobacterium, <i>Synechocystis</i> PCC 6803. <i>Plant, Cell and Environment</i> , 2012, 35, 2075-2086.	5.7	55
84	Anisotropic circular dichroism signatures of oriented thylakoid membranes and lamellar aggregates of LHCII. <i>Photosynthesis Research</i> , 2012, 111, 29-39.	2.9	18
85	Modulation of the multilamellar membrane organization and of the chiral macrodomains in the diatom <i>Phaeodactylum tricornutum</i> revealed by small-angle neutron scattering and circular dichroism spectroscopy. <i>Photosynthesis Research</i> , 2012, 111, 71-79.	2.9	28
86	Dynamic properties of photosystem II membranes at physiological temperatures characterized by elastic incoherent neutron scattering. Increased flexibility associated with the inactivation of the oxygen evolving complex. <i>Photosynthesis Research</i> , 2012, 111, 113-124.	2.9	17
87	The Physiological Role of Ascorbate as Photosystem II Electron Donor: Protection against Photoinactivation in Heat-Stressed Leaves. <i>Plant Physiology</i> , 2011, 156, 382-392.	4.8	136
88	Isolation and Characterization of Lamellar Aggregates of LHCII and LHCII-Lipid Macro-assemblies with Light-Inducible Structural Transitions. <i>Methods in Molecular Biology</i> , 2011, 684, 127-138.	0.9	4
89	Reversible membrane reorganizations during photosynthesis in vivo: revealed by small-angle neutron scattering. <i>Biochemical Journal</i> , 2011, 436, 225-230.	3.7	69
90	Functional domain size in aggregates of light-harvesting complex II and thylakoid membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 1022-1031.	1.0	33

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91	Evidence for a fluorescence yield change driven by a light-induced conformational change within photosystem II during the fast chlorophyll a fluorescence rise. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 1032-1043.	1.0	88
92	Mechanism of action of anions on the electron transport chain in thylakoid membranes of higher plants. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 195-202.	2.3	7
93	Confocal Fluorescence Detected Linear Dichroism Imaging of Isolated Human Amyloid Fibrils. Role of Supercoiling. <i>Journal of Fluorescence</i> , 2011, 21, 983-989.	2.5	11
94	Synthetic Antisense Oligodeoxynucleotides to Transiently Suppress Different Nucleus- and Chloroplast-Encoded Proteins of Higher Plant Chloroplasts. <i>Plant Physiology</i> , 2011, 157, 1628-1641.	4.8	40
95	Increased Thermostability of Thylakoid Membranes in Isoprene-Emitting Leaves Probed with Three Biophysical Techniques. <i>Plant Physiology</i> , 2011, 157, 905-916.	4.8	157
96	Functional heterogeneity of the fucoxanthins and fucoxanthin-chlorophyll proteins in diatom cells revealed by their electrochromic response and fluorescence and linear dichroism spectra. <i>Chemical Physics</i> , 2010, 373, 110-114.	1.9	35
97	Digalactosyl-diacylglycerol-deficiency lowers the thermal stability of thylakoid membranes. <i>Photosynthesis Research</i> , 2010, 105, 229-242.	2.9	51
98	Experimental Evidence for Ascorbate-Dependent Electron Transport in Leaves with Inactive Oxygen-Evolving Complexes. <i>Plant Physiology</i> , 2009, 149, 1568-1578.	4.8	99
99	Effect of phosphorylation on the thermal and light stability of the thylakoid membranes. <i>Photosynthesis Research</i> , 2009, 99, 161-171.	2.9	21
100	A tribute: Professor Dr. Paul Hoffmann (March 28, 1931–July 10, 2008), a scientist with a great collaborative spirit. <i>Photosynthesis Research</i> , 2009, 100, 1-5.	2.9	0
101	Linear dichroism and circular dichroism in photosynthesis research. <i>Photosynthesis Research</i> , 2009, 101, 135-146.	2.9	133
102	Imaging anisotropy using differential polarization laser scanning confocal microscopy. <i>Acta Histochemica</i> , 2009, 111, 317-326.	1.8	27
103	Structurally flexible macro-organization of the pigment-protein complexes of the diatom <i>Phaeodactylum tricornutum</i> . <i>Photosynthesis Research</i> , 2008, 95, 237-245.	2.9	49
104	Some new faces of membrane microdomains: A complex confocal fluorescence, differential polarization, and FCS imaging study on live immune cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 220-229.	1.5	38
105	Imaging fluorescence detected linear dichroism of plant cell walls in laser scanning confocal microscope. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 202-208.	1.5	22
106	Far-red fluorescence: A direct spectroscopic marker for LHCII oligomer formation in non-photochemical quenching. <i>FEBS Letters</i> , 2008, 582, 3625-3631.	2.8	253
107	The negatively charged amino acids in the luminal loop influence the pigment binding and conformation of the major light-harvesting chlorophyll a/b complex of photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1463-1470.	1.0	26
108	Phase behavior of phosphatidylglycerol in spinach thylakoid membranes as revealed by ³¹ P-NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 997-1003.	2.6	42

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109	Temperature dependence of the lipid packing in thylakoid membranes studied by time- and spectrally resolved fluorescence of Merocyanine 540. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 2823-2833.	2.6	27
110	The Three-Dimensional Network of the Thylakoid Membranes in Plants: Quasi-helical Model of the Granum-Stroma Assembly. <i>Plant Cell</i> , 2008, 20, 2552-2557.	6.6	109
111	Reply: On Three-Dimensional Models of Higher-Plant Thylakoid Networks: Elements of Consensus, Controversies, and Future Experiments. <i>Plant Cell</i> , 2008, 20, 2549-2551.	6.6	14
112	Importance of trimer-trimer interactions for the native state of the plant light-harvesting complex II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 847-853.	1.0	69
113	Photosynthetic electron transport activity in heat-treated barley leaves: The role of internal alternative electron donors to photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 295-305.	1.0	126
114	Heat- and light-induced reorganizations in the phycobilisome antenna of <i>Synechocystis</i> sp. PCC 6803. Thermo-optic effect. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 750-756.	1.0	37
115	Spectroscopic and Molecular Characterization of the Oligomeric Antenna of the Diatom <i>Phaeodactylum tricornutum</i> . <i>Biochemistry</i> , 2007, 46, 9813-9822.	2.5	114
116	Trapping of the quenched conformation associated with non-photochemical quenching of chlorophyll fluorescence at low temperature. <i>Photosynthesis Research</i> , 2007, 94, 321-332.	2.9	21
117	Nonequilibrium Heating in LHCII Complexes Monitored by Ultrafast Absorbance Transients. <i>Biochemistry</i> , 2006, 45, 9559-9565.	2.5	17
118	Domains of Importin- β 2 required for ring canal assembly during <i>Drosophila</i> oogenesis. <i>Journal of Structural Biology</i> , 2006, 154, 27-41.	2.8	22
119	Quantitative spectrophotometry using integrating cavities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2006, 82, 127-131.	3.8	35
120	Fast cadmium inhibition of photosynthesis in cyanobacteria in vivo and in vitro studies using perturbed angular correlation of γ -rays. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 725-734.	2.6	20
121	Comparative study of integrating cavity absorption meters. <i>Journal of Proteomics</i> , 2006, 69, 189-196.	2.4	4
122	Structural Characterization of Artificial Self-Assembling Porphyrins That Mimic the Natural Chlorosomal Bacteriochlorophylls, d, and e. <i>Chemistry - A European Journal</i> , 2005, 11, 2267-2275.	3.3	80
123	Alignment of biological microparticles by a polarized laser beam. <i>European Biophysics Journal</i> , 2005, 34, 335-343.	2.2	36
124	Thermo-optically Induced Reorganizations in the Main Light Harvesting Antenna of Plants. I. Non-Arrhenius Type of Temperature Dependence and Linear Light-intensity Dependencies. <i>Photosynthesis Research</i> , 2005, 86, 263-273.	2.9	30
125	Thermo-optically Induced Reorganizations in the Main Light Harvesting Antenna of Plants. II. Indications for the Role of LHCII-only Macrod domains in Thylakoids. <i>Photosynthesis Research</i> , 2005, 86, 275-282.	2.9	27
126	Biophysical studies of photosystem II-related recovery processes after a heat pulse in barley seedlings (<i>Hordeum vulgare</i> L.). <i>Journal of Plant Physiology</i> , 2005, 162, 181-194.	3.5	96

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127	The Effects of Salt Stress on Photosynthetic Electron Transport and Thylakoid Membrane Proteins in the Cyanobacterium <i>Spirulina platensis</i> . <i>BMB Reports</i> , 2005, 38, 481-485.	2.4	91
128	Isolation and Characterization of Lamellar Aggregates of LHCII and LHCII-Lipid Macro-Assemblies With Light-Inducible Structural Transitions. , 2004, 274, 105-114.		4
129	Structural Rearrangements in Chloroplast Thylakoid Membranes Revealed by Differential Scanning Calorimetry and Circular Dichroism Spectroscopy. Thermo-optic Effect. <i>Biochemistry</i> , 2003, 42, 11272-11280.	2.5	63
130	Granum revisited. A three-dimensional model ? where things fall into place. <i>Trends in Plant Science</i> , 2003, 8, 117-122.	8.8	177
131	Light-Induced Trimer to Monomer Transition in the Main Light-Harvesting Antenna Complex of Plants: A Thermo-Optic Mechanism. <i>Biochemistry</i> , 2002, 41, 15121-15129.	2.5	132
132	Labeling phosphorylated LHCII with microspheres for tracking studies and force measurements. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2001, 65, 1-4.	3.8	1
133	Non-photochemical chlorophyll fluorescence quenching and structural rearrangements induced by low pH in intact cells of <i>Chlorella fusca</i> (Chlorophyceae) and <i>Mantoniella squamata</i> (Prasinophyceae). , 2001, 67, 185-197.		20
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