

# GyÅ‘zÅ‘ Garab

## List of Publications by Year in descending order

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166  
papers

6,356  
citations

57758

44  
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88630

70  
g-index

172  
all docs

172  
docs citations

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times ranked

4788  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Granum revisited. A three-dimensional model ? where things fall into place. <i>Trends in Plant Science</i> , 2003, 8, 117-122.	8.8	177
3	Increased Thermostability of Thylakoid Membranes in Isoprene-Emitting Leaves Probed with Three Biophysical Techniques Å Å. <i>Plant Physiology</i> , 2011, 157, 905-916.	4.8	157
4	Self-assembly of large, ordered lamellae from non-bilayer lipids and integral membrane proteins in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 1473-1476.	7.1	138
5	Chlorophyll a fluorescence: beyond the limits of the QA model. <i>Photosynthesis Research</i> , 2014, 120, 43-58.	2.9	137
6	The Physiological Role of Ascorbate as Photosystem II Electron Donor: Protection against Photoinactivation in Heat-Stressed Leaves Å Å. <i>Plant Physiology</i> , 2011, 156, 382-392.	4.8	136
7	Linear dichroism and circular dichroism in photosynthesis research. <i>Photosynthesis Research</i> , 2009, 101, 135-146.	2.9	133
8	Light-Induced Trimer to Monomer Transition in the Main Light-Harvesting Antenna Complex of Plants: Å Thermo-Optic Mechanism. <i>Biochemistry</i> , 2002, 41, 15121-15129.	2.5	132
9	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
10	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
11	Structural Flexibility of Chiral Macroaggregates of Light-Harvesting Chlorophylla/bPigment-Protein Complexes. Light-Induced Reversible Structural Changes Associated with Energy Dissipation. <i>Biochemistry</i> , 1996, 35, 8981-8985.	2.5	122
12	A voltage-dependent chloride channel fine-tunes photosynthesis in plants. <i>Nature Communications</i> , 2016, 7, 11654.	12.8	122
13	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
14	Size Dependency of Circular Dichroism in Macroaggregates of Photosynthetic Pigment-Protein Complexes. <i>Biochemistry</i> , 1994, 33, 10837-10841.	2.5	109
15	The Three-Dimensional Network of the Thylakoid Membranes in Plants: Quasihelical Model of the Granum-Stroma Assembly. <i>Plant Cell</i> , 2008, 20, 2552-2557.	6.6	109
16	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
17	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
18	Self-regulation of the lipid content of membranes by non-bilayer lipids: a hypothesis. <i>Trends in Plant Science</i> , 2000, 5, 489-494.	8.8	95

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19	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
20	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
21	Macroorganization of chlorophyll a/b light-harvesting complex in thylakoids and aggregates: information from circular differential scattering. <i>Biochemistry</i> , 1988, 27, 2425-2430.	2.5	87
22	Effects of NaCl Salinity on Growth, Cation Accumulation, Chloroplast Structure and Function in Wheat Cultivars Differing in Salt Tolerance. <i>Journal of Plant Physiology</i> , 1994, 144, 241-247.	3.5	84
23	Thermooptic Effect in Chloroplast Thylakoid Membranes. Thermal and Light Stability of Pigment Arrays with Different Levels of Structural Complexity. <i>Biochemistry</i> , 2000, 39, 15250-15257.	2.5	82
24	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
25	Reversible changes in macroorganization of the light-harvesting chlorophyll a/b pigment-protein complex detected by circular dichroism. <i>Biochemistry</i> , 1988, 27, 2430-2434.	2.5	78
26	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
27	Isolation of Lamellar Aggregates of the Light-Harvesting Chlorophyll a/b Protein Complex of Photosystem II with Long-Range Chiral Order and Structural Flexibility. <i>Analytical Biochemistry</i> , 1997, 250, 169-175.	2.4	71
28	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
29	Reversible membrane reorganizations during photosynthesis in vivo: revealed by small-angle neutron scattering. <i>Biochemical Journal</i> , 2011, 436, 225-230.	3.7	69
30	Role of Thylakoid Lipids in the Structural Flexibility of Lamellar Aggregates of the Isolated Light-Harvesting Chlorophyll a/b Complex of Photosystem II. <i>Biochemistry</i> , 1998, 37, 4169-4173.	2.5	67
31	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
32	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
33	The Arabidopsis thylakoid transporter PHT4;1 influences phosphate availability for ATP synthesis and plant growth. <i>Plant Journal</i> , 2015, 84, 99-110.	5.7	59
34	Pigment Interactions in Light-harvesting Complex II in Different Molecular Environments. <i>Journal of Biological Chemistry</i> , 2015, 290, 4877-4886.	3.4	58
35	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
36	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

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37	Helically organized macroaggregates of pigment-protein complexes in chloroplasts: evidence from circular intensity differential scattering. <i>Biochemistry</i> , 1988, 27, 5839-5843.	2.5	53
38	Carotenoids are essential for the assembly of cyanobacterial photosynthetic complexes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1153-1165.	1.0	52
39	Digalactosyl-diacylglycerol-deficiency lowers the thermal stability of thylakoid membranes. <i>Photosynthesis Research</i> , 2010, 105, 229-242.	2.9	51
40	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
41	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
42	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
43	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
44	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
45	Hierarchical organization and structural flexibility of thylakoid membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 481-494.	1.0	46
46	Diurnal Fluctuations in the Content and Functional Properties of the Light Harvesting Chlorophyll a/b Complex in Thylakoid Membranes. <i>Plant Physiology</i> , 1991, 95, 997-1003.	4.8	45
47	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
48	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
49	Phase behavior of phosphatidylglycerol in spinach thylakoid membranes as revealed by 31P-NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 997-1003.	2.6	42
50	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
51	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
52	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
53	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
54	Title is missing!. <i>Photosynthesis Research</i> , 1997, 54, 45-53.	2.9	38

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55	Kinetic Analysis of the Light-induced Fluorescence Quenching in Light-harvesting Chlorophyll <i>a/b</i> Pigment-Protein Complex of Photosystem II. <i>Photochemistry and Photobiology</i> , 1999, 70, 751-759.	2.5	38
56	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
57	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
58	Evidence for long-range excitation energy migration in macroaggregates of the chlorophyll <i>ab</i> light-harvesting antenna complexes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1273, 231-236.	1.0	37
59	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
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	Kinetic Analysis of the Light-induced Fluorescence Quenching in Light-harvesting Chlorophyll <i>a/b</i> Pigment-Protein Complex of Photosystem II. <i>Photochemistry and Photobiology</i> , 1999, 70, 751.	2.5	37
62	Alignment of biological microparticles by a polarized laser beam. <i>European Biophysics Journal</i> , 2005, 34, 335-343.	2.2	36
63	Quantitative spectrophotometry using integrating cavities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2006, 82, 127-131.	3.8	35
64	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
65	Ascorbate accumulation during sulphur deprivation and its effects on photosystem II activity and H <sub>2</sub> production of the green alga <i>Chlamydomonas reinhardtii</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 1460-1472.	5.7	35
66	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
67	Comparison of the absorption spectra of trimers and aggregates of chlorophyll light-harvesting complex LHC II. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1997, 53, 1925-1936.	3.9	33
68	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
69	The physiological roles and metabolism of ascorbate in chloroplasts. <i>Physiologia Plantarum</i> , 2013, 148, 161-175.	5.2	33
70	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
71	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
72	Organization of the pigment molecules in the chlorophyll <i>a/b/c</i> containing alga <i>Mantoniella squamata</i> (Prasinophyceae) studied by means of absorption, circular and linear dichroism spectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1457, 190-199.	1.0	30

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73	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
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	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
76	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
77	Thermo-optically Induced Reorganizations in the Main Light Harvesting Antenna of Plants. II. Indications for the Role of LHCII-only Macrodomains in Thylakoids. <i>Photosynthesis Research</i> , 2005, 86, 275-282.	2.9	27
78	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
79	Imaging anisotropy using differential polarization laser scanning confocal microscopy. <i>Acta Histochemica</i> , 2009, 111, 317-326.	1.8	27
80	More on the catalysis of internal conversion in chlorophyll a by an adjacent carotenoid in light-harvesting complex (Chla/b LHCII) of higher plants: time-resolved triplet-minus-singlet spectra of detergent-perturbed complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998, 55, 193-204.	3.9	26
81	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
82	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
83	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
84	Proton translocation in the slow rise of the flash-induced 515 nm absorbance change of intact chloroplasts. <i>FEBS Letters</i> , 1980, 118, 119-122.	2.8	24
85	Irreversible disassembly of chiral macrodomains in thylakoids due to photoinhibition. <i>Photosynthesis Research</i> , 1997, 51, 119-126.	2.9	23
86	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
87	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
88	Cardiolipin, Non-Bilayer Structures and Mitochondrial Bioenergetics: Relevance to Cardiovascular Disease. <i>Cells</i> , 2021, 10, 1721.	4.1	23
89	Configuration of the light induced electric field in thylakoid and its possible role in the kinetics of the 515 nm absorbance change. <i>Journal of Theoretical Biology</i> , 1982, 95, 811-821.	1.7	22
90	Domains of Importin- $\beta$ 2 required for ring canal assembly during <i>Drosophila</i> oogenesis. <i>Journal of Structural Biology</i> , 2006, 154, 27-41.	2.8	22

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91	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
92	Nonlinear photonics properties of porphyrins nanocomposites and self-assembled porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 985-995.	0.8	22
93	Low pH induced structural reorganization in thylakoid membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1388-1391.	1.0	22
94	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
95	Effect of phosphorylation on the thermal and light stability of the thylakoid membranes. <i>Photosynthesis Research</i> , 2009, 99, 161-171.	2.9	21
96	Self-assembly and structural functional flexibility of oxygenic photosynthetic machineries: personal perspectives. <i>Photosynthesis Research</i> , 2016, 127, 131-150.	2.9	21
97	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
98	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
99	Fast cadmium inhibition of photosynthesis in cyanobacteria in vivo and in vitro studies using perturbed angular correlation of $\gamma$ -rays. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 725-734.	2.6	20
100	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
101	Anisotropic circular dichroism signatures of oriented thylakoid membranes and lamellar aggregates of LHCII. <i>Photosynthesis Research</i> , 2012, 111, 29-39.	2.9	18
102	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
103	Monitoring thylakoid ultrastructural changes in vivo using small-angle neutron scattering. <i>Plant Physiology and Biochemistry</i> , 2014, 81, 197-207.	5.8	18
104	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
105	Linear and Circular Dichroism. , 1996, , 11-40.		17
106	Nonequilibrium Heating in LHCII Complexes Monitored by Ultrafast Absorbance Transients. <i>Biochemistry</i> , 2006, 45, 9559-9565.	2.5	17
107	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
108	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

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109	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
110	Configuration of the electric field and distribution of ions in energy transducing biological membranes: Model calculations in a vesicle containing discrete charges. <i>Journal of Theoretical Biology</i> , 1989, 138, 59-76.	1.7	15
111	Structural and Functional Hierarchy in Photosynthetic Energy Conversionâ€”from Molecules to Nanostructures. <i>Nanoscale Research Letters</i> , 2015, 10, 458.	5.7	15
112	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
113	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
114	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
115	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
116	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
117	Low-pH induced reversible reorganizations of chloroplast thylakoid membranes â€” As revealed by small-angle neutron scattering. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 360-365.	1.0	13
118	Hofmeister ions control protein dynamics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4564-4572.	2.4	12
119	Lipidâ€”polymorphism of plant thylakoid membranes. Enhanced nonâ€”bilayer lipid phases associated with increased membrane permeability. <i>Physiologia Plantarum</i> , 2019, 166, 278-287.	5.2	12
120	Role of Protein-Water Interface in the Stacking Interactions of Granum Thylakoid Membranesâ€”As Revealed by the Effects of Hofmeister Salts. <i>Frontiers in Plant Science</i> , 2020, 11, 1257.	3.6	12
121	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
122	Pigment-pigment interactions and secondary structure of reconstituted algal chlorophyll a/b-binding light-harvesting complexes of <i>Chlorella fusca</i> with different pigment compositions and pigment-protein stoichiometries. <i>Photosynthesis Research</i> , 1996, 49, 71-81.	2.9	11
123	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
124	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
125	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
126	Structure and principles of self-assembly of giant â€”sea urchinâ€”type sulfonatophenyl porphine aggregates. <i>Nano Research</i> , 2022, 15, 5527-5537.	10.4	10



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127	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
128	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
129	Effect of dibromothymoquinone (DBMIB) on reduction rates of photosystem I donors in intact chloroplasts. <i>Biochemical and Biophysical Research Communications</i> , 1984, 120, 721-725.	2.1	8
130	Kinetics of the flash-induced electrochromic absorbance change in the presence of background illumination. Turnover rate of the electron transport. I. Isolated intact chloroplasts. <i>Journal of Bioenergetics and Biomembranes</i> , 1985, 17, 349-364.	2.3	8
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