Makio Yokono

List of Publications by Year
in descending order

77 papers	1,942 citations	236925 25 h-index	302126 39 g-index
81 all docs	81 docs citations	81 times ranked	1549 citing authors

#	Article	IF	Citations
1	Excitation-energy transfer in heterocysts isolated from the cyanobacterium Anabaena sp. PCC 7120 as studied by time-resolved fluorescence spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 2022, 1863, 148509.	1.0	1
2	Structure of a tetrameric photosystem I from a glaucophyte alga Cyanophora paradoxa. Nature Communications, 2022, 13, 1679.	12.8	11
3	Structural basis for different types of hetero-tetrameric light-harvesting complexes in a diatom PSII-FCPII supercomplex. Nature Communications, 2022, 13, 1764.	12.8	17
4	Structural basis for the absence of low-energy chlorophylls in a photosystem I trimer from Gloeobacter violaceus. ELife, 2022, 11, .	6.0	14
5	Basic pH-induced modification of excitation-energy dynamics in fucoxanthin chlorophyll a/c-binding proteins isolated from a pinguiophyte, Glossomastix chrysoplasta. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148306.	1.0	1
6	Molecular organizations and function of iron-stress-induced-A protein family in Anabaena sp. PCC 7120. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148327.	1.0	8
7	Modification of Energy Distribution Between Photosystems I and II by Spillover Revealed byÂTime-Resolved Fluorescence Spectroscopy. Advances in Photosynthesis and Respiration, 2021, , 277-302.	1.0	0
8	Enhancement of excitation-energy quenching in fucoxanthin chlorophyll a/c-binding proteins isolated from a diatom Phaeodactylum tricornutum upon excess-light illumination. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148350.	1.0	10
9	High-light modification of excitation-energy-relaxation processes in the green flagellate Euglena gracilis. Photosynthesis Research, 2021, 149, 303-311.	2.9	4
10	Substitution of Deoxycholate with the Amphiphilic Polymer Amphipol A8-35 Improves the Stability of Large Protein Complexes during Native Electrophoresis. Plant and Cell Physiology, 2021, 62, 348-355.	3.1	3
11	Structure of a cyanobacterial photosystem I surrounded by octadecameric IsiA antenna proteins. Communications Biology, 2020, 3, 232.	4.4	30
12	Acidic pH-Induced Modification of Energy Transfer in Diatom Fucoxanthin Chlorophyll <i>a</i>/<i>c</i>-Binding Proteins. Journal of Physical Chemistry B, 2020, 124, 4919-4923.	2.6	11
13	Excitation-Energy Transfer and Quenching in Diatom PSI-FCPI upon P700 Cation Formation. Journal of Physical Chemistry B, 2020, 124, 1481-1486.	2.6	17
14	Changes in excitation relaxation of diatoms in response to fluctuating light, probed by fluorescence spectroscopies. Photosynthesis Research, 2020, 146, 143-150.	2.9	7
15	pH-Induced Regulation of Excitation Energy Transfer in the Cyanobacterial Photosystem I Tetramer. Journal of Physical Chemistry B, 2020, 124, 1949-1954.	2.6	12
16	Adaptation of light-harvesting and energy-transfer processes of a diatom Phaeodactylum tricornutum to different light qualities. Photosynthesis Research, 2020, 146, 227-234.	2.9	19
17	Adaptation of light-harvesting and energy-transfer processes of a diatom Chaetoceros gracilis to different light qualities. Photosynthesis Research, 2020, 146, 87-93.	2.9	8
18	Reply to â€œComment on â€˜Acidic pH-Induced Modification of Energy Transfer in Diatom Fucoxanthin Chlorophyll <i>a</i>/<i>c</i>-Binding Proteinsâ€™â€• Journal of Physical Chemistry B, 2020, 124, 10588-10589.	2.6	0

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19	Regulation of excitation energy in Nannochloropsis photosystem II. Photosynthesis Research, 2019, 139, 155-161.	2.9	2
20	Structure of a cyanobacterial photosystem I tetramer revealed by cryo-electron microscopy. Nature Communications, 2019, 10, 4929.	12.8	50
21	Formation of a PSIâ€“PSII megacomplex containing LHCSR and PsbS in the moss Physcomitrella patens. Journal of Plant Research, 2019, 132, 867-880.	2.4	14
22	Ten antenna proteins are associated with the core in the supramolecular organization of the photosystem I supercomplex in Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2019, 294, 4304-4314.	3.4	40
23	pH-Sensing Machinery of Excitation Energy Transfer in Diatom PSIâ€“FCPI Complexes. Journal of Physical Chemistry Letters, 2019, 10, 3531-3535.	4.6	12
24	Effects of excess light energy on excitation-energy dynamics in a pennate diatom Phaeodactylum tricornutum. Photosynthesis Research, 2019, 141, 355-365.	2.9	17
25	The PSIâ€“PSII Megacomplex in Green Plants. Plant and Cell Physiology, 2019, 60, 1098-1108.	3.1	34
26	Mgâ€dechelatase is involved in the formation of photosystem <scp>II</scp> but not in chlorophyll degradation in <i>Chlamydomonas reinhardtii</i>. Plant Journal, 2019, 97, 1022-1031.	5.7	25
27	Low-Energy Chlorophylls in Fucoxanthin Chlorophyll <i>a</i>/<i>c</i>-Binding Protein Conduct Excitation Energy Transfer to Photosystem I in Diatoms. Journal of Physical Chemistry B, 2019, 123, 66-70.	2.6	20
28	Energy transfer and distribution in photosystem super/megacomplexes of plants. Current Opinion in Biotechnology, 2018, 54, 50-56.	6.6	17
29	Alterations of pigment composition and their interactions in response to different light conditions in the diatom Chaetoceros gracilis probed by time-resolved fluorescence spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 524-530.	1.0	18
30	Comparative analyses of whole-genome protein sequences from multiple organisms. Scientific Reports, 2018, 8, 6800.	3.3	18
31	LHCSR1-dependent fluorescence quenching is mediated by excitation energy transfer from LHCII to photosystem I in <i>Chlamydomonas reinhardtii</i>. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3722-3727.	7.1	45
32	Evidence of the supercomplex organization of photosystem II and light-harvesting complexes in Nannochloropsis granulata. Photosynthesis Research, 2018, 136, 49-61.	2.9	13
33	Light-harvesting antenna complexes in the moss Physcomitrella patens: implications for the evolutionary transition from green algae to land plants. Current Opinion in Plant Biology, 2017, 37, 94-101.	7.1	21
34	How Light-Harvesting and Energy-Transfer Processes Are Modified Under Different Light Conditions: STUDIES by Time-Resolved Fluorescence Spectroscopy. , 2017, , 169-184.		3
35	Fluorescence lifetime analyses reveal how the high lightâ€“responsive protein LHCSR3 transforms PSII light-harvesting complexes into an energy-dissipative state. Journal of Biological Chemistry, 2017, 292, 18951-18960.	3.4	32
36	Towards artificial methanogenesis: biosynthesis of the [Fe]-hydrogenase cofactor and characterization of the semi-synthetic hydrogenase. Faraday Discussions, 2017, 198, 37-58.	3.2	29

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37	Deficiency of the Stroma-Lamellar Protein LIL8/PSB33 Affects Energy Transfer Around PSI in Arabidopsis. Plant and Cell Physiology, 2017, 58, 2026-2039.	3.1	16
38	Live-cell visualization of excitation energy dynamics in chloroplast thylakoid structures. Scientific Reports, 2016, 6, 29940.	3.3	18
39	Light-harvesting complex Lhcb9 confers a green alga-type photosystem I supercomplex to the moss Physcomitrella patens. Nature Plants, 2015, 1, 14008.	9.3	26
40	Differences in energy transfer of a cyanobacterium, Synechococcus sp. PCC 7002, grown in different cultivation media. Photosynthesis Research, 2015, 125, 201-210.	2.9	2
41	Regulation of excitation energy transfer in diatom PSII dimer: How does it change the destination of excitation energy?. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1274-1282.	1.0	29
42	Toward understanding the multiple spatiotemporal dynamics of chlorophyll fluorescence. Plant Signaling and Behavior, 2015, 10, e1022014.	2.4	5
43	Visualizing structural dynamics of thylakoid membranes. Scientific Reports, 2015, 4, 3768.	3.3	35
44	Short-term light adaptation of a cyanobacterium, Synechocystis sp. PCC 6803, probed by time-resolved fluorescence spectroscopy. Plant Physiology and Biochemistry, 2014, 81, 149-154.	5.8	13
45	Control Mechanism of Excitation Energy Transfer in a Complex Consisting of Photosystem II and Fucoxanthin Chlorophyll <i>a</i>/<i>c</i>-Binding Protein. Journal of Physical Chemistry Letters, 2014, 5, 2983-2987.	4.6	30
46	Chlorophyllide a Oxidoreductase Works as One of the Divinyl Reductases Specifically Involved in Bacteriochlorophyll a Biosynthesis. Journal of Biological Chemistry, 2014, 289, 12716-12726.	3.4	26
47	Excitation relaxation dynamics and energy transfer in fucoxanthinâ€“chlorophyll a/c-protein complexes, probed by time-resolved fluorescence. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1514-1521.	1.0	41
48	Light-Harvesting Ability of the Fucoxanthin Chlorophyll <i>a</i>/<i>c</i>-Binding Protein Associated with Photosystem II from the Diatom <i>Chaetoceros gracilis</i> As Revealed by Picosecond Time-Resolved Fluorescence Spectroscopy. Journal of Physical Chemistry B, 2014, 118, 5093-5100.	2.6	38
49	Differences in excitation energy transfer of Arthrospira platensis cells grown in seawater medium and freshwater medium, probed by time-resolved fluorescence spectroscopy. Chemical Physics Letters, 2013, 588, 231-236.	2.6	5
50	Modification of energy-transfer processes in the cyanobacterium, Arthrospira platensis, to adapt to light conditions, probed by time-resolved fluorescence spectroscopy. Photosynthesis Research, 2013, 117, 235-243.	2.9	23
51	High Excitation Energy Quenching in Fucoxanthin Chlorophyll <i>a</i>/<i>c</i>-Binding Protein Complexes from the Diatom Chaetoceros gracilis. Journal of Physical Chemistry B, 2013, 117, 6888-6895.	2.6	56
52	Specific Gene bciD for C7-Methyl Oxidation in Bacteriochlorophyll e Biosynthesis of Brown-Colored Green Sulfur Bacteria. PLoS ONE, 2013, 8, e60026.	2.5	31
53	Excitation energy relaxation in a symbiotic cyanobacterium, Prochloron didemni, occurring in coral-reef ascidians, and in a free-living cyanobacterium, Prochlorothrix hollandica. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1992-1997.	1.0	18
54	Stabilization and modulation of the phycobilisome by calcium in the calciphilic freshwater red alga Bangia atropurpurea. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 306-311.	1.0	9

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55	Adaptation of light-harvesting systems of Arthrospira platensis to light conditions, probed by time-resolved fluorescence spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1483-1489.	1.0	76
56	Alterations in photosynthetic pigments and amino acid composition of D1 protein change energy distribution in photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 754-759.	1.0	17
57	Molecular environments of divinyl chlorophylls in Prochlorococcus and Synechocystis: Differences in fluorescence properties with chlorophyll replacement. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 471-481.	1.0	13
58	Excitation energy transfer between photosystem II and photosystem I in red algae: Larger amounts of phycobilisome enhance spillover. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 847-853.	1.0	63
59	A Monogalactosyldiacylglycerol Synthase Found in the Green Sulfur Bacterium Chlorobaculum tepidum Reveals Important Roles for Galactolipids in Photosynthesis. Plant Cell, 2011, 23, 2644-2658.	6.6	20
60	Variations in Photosystem I Properties in the Primordial Cyanobacterium <i>GloeobacterÂviolaceus</i> PCC 7421. Photochemistry and Photobiology, 2010, 86, 62-69.	2.5	39
61	Live-cell imaging of photosystem II antenna dissociation during state transitions. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2337-2342.	7.1	119
62	Deregulated Chlorophyll b Synthesis Reduces the Energy Transfer Rate Between Photosynthetic Pigments and Induces Photodamage in Arabidopsis thaliana. Plant and Cell Physiology, 2010, 51, 1055-1065.	3.1	61
63	Energy transfer processes in Gloeobacter violaceus PCC 7421 that possesses phycobilisomes with a unique morphology. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 55-65.	1.0	50
64	Seasonal changes of excitation energy transfer and thylakoid stacking in the evergreen tree Taxus cuspidata: How does it divert excess energy from photosynthetic reaction center?. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 379-387.	1.0	22
65	Solvent effects on excitation relaxation dynamics of a keto-carotenoid, siphonaxanthin. Photochemical and Photobiological Sciences, 2008, 7, 1206-1209.	2.9	26
66	Identification of a Novel Vinyl Reductase Gene Essential for the Biosynthesis of Monovinyl Chlorophyll in Synechocystis sp. PCC6803. Journal of Biological Chemistry, 2008, 283, 9002-9011.	3.4	78
67	Simulation of Excitation Energy Transfer within the PSI-LHCI/II Supercomplex from Chlamydomonas reinhardtii. , 2008, , 1027-1030.		1
68	Ultrafast Relaxation Dynamics of a Keto-Carotenoid, Siphonaxanthin, Probed by Time-Resolved Fluorescence. , 2008, , 319-322.		0
69	Effect of Sunlight on Liquid Structure of Water. Japanese Journal of Applied Physics, 2007, 46, 333-335.	1.5	6
70	Identification of the special pair of photosystem II in a chlorophyll d-dominated cyanobacterium. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7283-7288.	7.1	123
71	Delayed fluorescence observed in the nanosecond time region at 77ÂK originates directly from the photosystem II reaction center. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 327-334.	1.0	59
72	New linker proteins in phycobilisomes isolated from the cyanobacteriumGloeobacter violaceusPCC 7421. FEBS Letters, 2006, 580, 3457-3461.	2.8	23

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73	Fluorescence properties of the chlorophyll d-dominated cyanobacterium Acaryochloris sp. strain Awaji. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 178, 122-129.	3.9	16
74	Excitation energy transfer in the antenna system with divinyl-chlorophylls in the vinyl reductase-expressing Arabidopsis. Chemical Physics Letters, 2005, 409, 167-171.	2.6	15
75	Ultrafast Excitation Relaxation Dynamics of Lutein in Solution and in the Light-Harvesting Complexes II Isolated from Arabidopsis thaliana. Journal of Physical Chemistry B, 2005, 109, 12612-12619.	2.6	33
76	Clathrate-like Ordering in Liquid Water Induced by Infrared Irradiation. Japanese Journal of Applied Physics, 2004, 43, L1436-L1438.	1.5	7
77	Identification of the primary electron donor in PS II of the Chl d -dominated cyanobacterium Acaryochloris marina. FEBS Letters, 2004, 556, 95-98.	2.8	67