

Milan Szabo

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,363
citations

361045

20
h-index

360668

35
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44
all docs

44
docs citations

44
times ranked

1697
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased Thermostability of Thylakoid Membranes in Isoprene-Emitting Leaves Probed with Three Biophysical Techniques <i>Å. Å. Plant Physiology</i> , 2011, 157, 905-916.	2.3	157
2	Functional diversity of photobiological traits within the genus <i>Symbiodinium</i> appears to be governed by the interaction of cell size with cladal designation. <i>New Phytologist</i> , 2015, 208, 370-381.	3.5	147
3	Spectroscopic and Molecular Characterization of the Oligomeric Antenna of the Diatom <i>Phaeodactylum tricornutum</i> . <i>Biochemistry</i> , 2007, 46, 9813-9822.	1.2	114
4	Lateral light transfer ensures efficient resource distribution in symbiont-bearing corals. <i>Journal of Experimental Biology</i> , 2014, 217, 489-498.	0.8	88
5	Reversible membrane reorganizations during photosynthesis in vivo: revealed by small-angle neutron scattering. <i>Biochemical Journal</i> , 2011, 436, 225-230.	1.7	69
6	A molecular physiology basis for functional diversity of hydrogen peroxide production amongst <i>Symbiodinium</i> spp. (Dinophyceae). <i>Marine Biology</i> , 2017, 164, 1.	0.7	57
7	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.	6.6	55
8	Light-induced dissociation of antenna complexes in the symbionts of scleractinian corals correlates with sensitivity to coral bleaching. <i>Coral Reefs</i> , 2012, 31, 963-975.	0.9	54
9	Structurally flexible macro-organization of the pigment-protein complexes of the diatom <i>Phaeodactylum tricornutum</i> . <i>Photosynthesis Research</i> , 2008, 95, 237-245.	1.6	49
10	Inhibition of photosynthetic CO ₂ fixation in the coral <i>Pocillopora damicornis</i> and its relationship to thermal bleaching. <i>Journal of Experimental Biology</i> , 2014, 217, 2150-62.	0.8	42
11	Effective light absorption and absolute electron transport rates in the coral <i>Pocillopora damicornis</i> . <i>Plant Physiology and Biochemistry</i> , 2014, 83, 159-167.	2.8	37
12	<i>Symbiodinium</i> sp. cells produce light-induced intra- and extracellular singlet oxygen, which mediates photodamage of the photosynthetic apparatus and has the potential to interact with the animal host in coral symbiosis. <i>New Phytologist</i> , 2016, 212, 472-484.	3.5	37
13	The Effect of Diel Temperature and Light Cycles on the Growth of <i>Nannochloropsis oculata</i> in a Photobioreactor Matrix. <i>PLoS ONE</i> , 2014, 9, e86047.	1.1	36
14	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.	0.9	35
15	A Review: The Role of Reactive Oxygen Species in Mass Coral Bleaching. <i>Advances in Photosynthesis and Respiration</i> , 2020, , 459-488.	1.0	32
16	Low oxygen affects photophysiology and the level of expression of two-carbon metabolism genes in the seagrass <i>Zostera muelleri</i> . <i>Photosynthesis Research</i> , 2018, 136, 147-160.	1.6	31
17	Action spectra of oxygen production and chlorophyll a fluorescence in the green microalga <i>Nannochloropsis oculata</i> . <i>Bioresource Technology</i> , 2014, 169, 320-327.	4.8	29
18	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.	1.6	28

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19	Photosynthetic acclimation of <i>Nannochloropsis oculata</i> investigated by multi-wavelength chlorophyll fluorescence analysis. <i>Bioresource Technology</i> , 2014, 167, 521-529.	4.8	28
20	The site of regulation of light capture in <i>Symbiodinium</i> : Does the peridinin-chlorophyll protein detach to regulate light capture?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1227-1234.	0.5	25
21	Spectral Effects on <i>Symbiodinium</i> Photobiology Studied with a Programmable Light Engine. <i>PLoS ONE</i> , 2014, 9, e112809.	1.1	24
22	Low pH induced structural reorganization in thylakoid membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1388-1391.	0.5	22
23	A guide to Open-JIP, a low-cost open-source chlorophyll fluorometer. <i>Photosynthesis Research</i> , 2019, 142, 361-368.	1.6	22
24	Non-intrusive Assessment of Photosystem II and Photosystem I in Whole Coral Tissues. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	19
25	A new mechanistic understanding of light-limitation in the seagrass <i>Zostera muelleri</i> . <i>Marine Environmental Research</i> , 2018, 134, 55-67.	1.1	19
26	Effect of carbon limitation on photosynthetic electron transport in <i>Nannochloropsis oculata</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 181, 31-43.	1.7	13
27	Photosynthesis and Metabolism of Seagrasses. , 2018, , 315-342.		13
28	Living at the margins – The response of deep-water seagrasses to light and temperature renders them susceptible to acute impacts. <i>Marine Environmental Research</i> , 2018, 136, 126-138.	1.1	12
29	Thermal bleaching induced changes in photosystem II function not reflected by changes in photosystem II protein content of <i>Stylophora pistillata</i> . <i>Coral Reefs</i> , 2014, 33, 131-139.	0.9	11
30	Improving light and CO ₂ availability to enhance the growth rate of the diatom, <i>Chaetoceros muelleri</i> . <i>Algal Research</i> , 2021, 55, 102234.	2.4	11
31	A multi-parametric screening platform for photosynthetic trait characterization of microalgae and cyanobacteria under inorganic carbon limitation. <i>PLoS ONE</i> , 2020, 15, e0236188.	1.1	8
32	Singlet oxygen damages the function of Photosystem II in isolated thylakoids and in the green alga <i>Chlorella sorokiniana</i> . <i>Photosynthesis Research</i> , 2021, 149, 93-105.	1.6	8
33	A simple method to produce <i>Synechocystis</i> PCC6803 biofilm under laboratory conditions for electron microscopic and functional studies. <i>PLoS ONE</i> , 2020, 15, e0236842.	1.1	6
34	The Phenobottle, an open-source photobioreactor platform for environmental simulation. <i>Algal Research</i> , 2020, 52, 102105.	2.4	5
35	Characterization of the wave phenomenon of flash-induced chlorophyll fluorescence in <i>Chlamydomonas reinhardtii</i> . <i>Photosynthesis Research</i> , 2022, , 1.	1.6	4
36	Viable protoplast formation of the coral endosymbiont alga <i>Symbiodinium</i> spp. in a microfluidics platform. <i>Lab on A Chip</i> , 2022, 22, 2986-2999.	3.1	4

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37	Wah Soon Chow, a teacher, a friend and a colleague. <i>Photosynthesis Research</i> , 2021, 149, 253-258.	1.6	2
38	Photoinhibition, photo-ecophysiology, and biophysics, a special issue in honor of Wah Soon Chow. <i>Photosynthesis Research</i> , 2021, 149, 1-3.	1.6	2
39	The Oligomeric Antenna of the Diatom <i>P. tricornutum</i> " Localisation of Diadinoxanthin Cycle Pigments. , 2008, , 283-286.		2
40	Investigating the impact of light quality on macromolecular of <i>Chaetoceros muelleri</i> . <i>Functional Plant Biology</i> , 2021, , .	1.1	2
41	Characterization of the Wave Phenomenon in Flash-Induced Fluorescence Relaxation and Its Application to Study Cyclic Electron Pathways in Microalgae. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4927.	1.8	2
42	Identification of the <sc>AG</sc> afterglow thermoluminescence band in the cyanobacterium <i>Synechocystis <sc>PCC</sc> 6803</i>. <i>Physiologia Plantarum</i> , 2021, 171, 291-300.	2.6	1
43	<i>Corrigendum to</i>: Investigating the impact of light quality on macromolecular of <i>Chaetoceros muelleri</i>. <i>Functional Plant Biology</i> , 2022, 49, 587-587.	1.1	0