

# Tomas Morosinotto

## List of Publications by Citations

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123  
papers

5,542  
citations

43  
h-index

71  
g-index

133  
ext. papers

6,339  
ext. citations

5.6  
avg, IF

5.68  
L-index

#	Paper	IF	Citations
123	The response of <i>Nannochloropsis gaditana</i> to nitrogen starvation includes de novo biosynthesis of triacylglycerols, a decrease of chloroplast galactolipids, and reorganization of the photosynthetic apparatus. <i>Eukaryotic Cell</i> , <b>2013</b> , 12, 665-76		258
122	Light-induced dissociation of an antenna hetero-oligomer is needed for non-photochemical quenching induction. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 15255-66	5.4	242
121	Contrasting behavior of higher plant photosystem I and II antenna systems during acclimation. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 8947-58	5.4	224
120	Analysis of LhcSR3, a protein essential for feedback de-excitation in the green alga <i>Chlamydomonas reinhardtii</i> . <i>PLoS Biology</i> , <b>2011</b> , 9, e1000577	9.7	204
119	Adjusted light and dark cycles can optimize photosynthetic efficiency in algae growing in photobioreactors. <i>PLoS ONE</i> , <b>2012</b> , 7, e38975	3.7	183
118	<i>Physcomitrella patens</i> mutants affected on heat dissipation clarify the evolution of photoprotection mechanisms upon land colonization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 11128-33	11.5	156
117	Minor antenna proteins CP24 and CP26 affect the interactions between photosystem II subunits and the electron transport rate in grana membranes of <i>Arabidopsis</i> . <i>Plant Cell</i> , <b>2008</b> , 20, 1012-28	11.6	149
116	Chromosome scale genome assembly and transcriptome profiling of <i>Nannochloropsis gaditana</i> in nitrogen depletion. <i>Molecular Plant</i> , <b>2014</b> , 7, 323-35	14.4	147
115	The nature of a chlorophyll ligand in Lhca proteins determines the far red fluorescence emission typical of photosystem I. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 49223-9	5.4	138
114	Acclimation of <i>Nannochloropsis gaditana</i> to different illumination regimes: effects on lipids accumulation. <i>Bioresource Technology</i> , <b>2011</b> , 102, 6026-32	11	137
113	The Lhca antenna complexes of higher plants photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2002</b> , 1556, 29-40	4.6	136
112	A thylakoid-located two-pore K <sup>+</sup> channel controls photosynthetic light utilization in plants. <i>Science</i> , <b>2013</b> , 342, 114-8	33.3	124
111	A structural basis for the pH-dependent xanthophyll cycle in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , <b>2009</b> , 21, 2036-44	11.6	119
110	Excess CO <sub>2</sub> supply inhibits mixotrophic growth of <i>Chlorella protothecoides</i> and <i>Nannochloropsis salina</i> . <i>Bioresource Technology</i> , <b>2012</b> , 104, 523-9	11	107
109	Flavodiiron proteins act as safety valve for electrons in <i>Physcomitrella patens</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 12322-12327	11.5	103
108	Optimization of light use efficiency for biofuel production in algae. <i>Biophysical Chemistry</i> , <b>2013</b> , 182, 71-8	3.5	102
107	In silico and biochemical analysis of <i>Physcomitrella patens</i> photosynthetic antenna: identification of subunits which evolved upon land adaptation. <i>PLoS ONE</i> , <b>2008</b> , 3, e2033	3.7	101

106	Zeaxanthin binds to light-harvesting complex stress-related protein to enhance nonphotochemical quenching in <i>Physcomitrella patens</i> . <i>Plant Cell</i> , <b>2013</b> , 25, 3519-34	11.6	93
105	Alternative electron transport mediated by flavodiiron proteins is operational in organisms from cyanobacteria up to gymnosperms. <i>New Phytologist</i> , <b>2017</b> , 214, 967-972	9.8	85
104	Dynamics of chromophore binding to Lhc proteins in vivo and in vitro during operation of the xanthophyll cycle. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 36913-20	5.4	85
103	Mechanistic aspects of the xanthophyll dynamics in higher plant thylakoids. <i>Physiologia Plantarum</i> , <b>2003</b> , 119, 347-354	4.6	84
102	Recombinant Lhca2 and Lhca3 subunits of the photosystem I antenna system. <i>Biochemistry</i> , <b>2003</b> , 42, 4226-34	3.2	82
101	Trap-limited charge separation kinetics in higher plant photosystem I complexes. <i>Biophysical Journal</i> , <b>2008</b> , 94, 3601-12	2.9	78
100	Cultivation of <i>Scenedesmus obliquus</i> in photobioreactors: effects of light intensities and light-dark cycles on growth, productivity, and biochemical composition. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 172, 2377-89	3.2	75
99	Light Remodels Lipid Biosynthesis in <i>Nannochloropsis gaditana</i> by Modulating Carbon Partitioning between Organelles. <i>Plant Physiology</i> , <b>2016</b> , 171, 2468-82	6.6	70
98	Mutation analysis of Lhca1 antenna complex. Low energy absorption forms originate from pigment-pigment interactions. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 36253-61	5.4	70
97	Role of PSBS and LHCSR in <i>Physcomitrella patens</i> acclimation to high light and low temperature. <i>Plant, Cell and Environment</i> , <b>2011</b> , 34, 922-932	8.4	66
96	Slowly reversible de-epoxidation of lutein-epoxide in deep shade leaves of a tropical tree legume may block lutein-based photoprotection during acclimation to strong light. <i>Journal of Experimental Botany</i> , <b>2005</b> , 56, 461-8	7	62
95	Photosynthetic antenna size in higher plants is controlled by the plastoquinone redox state at the post-transcriptional rather than transcriptional level. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 29457-65	5.4	58
94	Stoichiometry of LHCl antenna polypeptides and characterization of gap and linker pigments in higher plants Photosystem I. <i>FEBS Journal</i> , <b>2004</b> , 271, 4659-65		56
93	Pigment-pigment interactions in Lhca4 antenna complex of higher plants photosystem I. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 20612-9	5.4	56
92	Generation of random mutants to improve light-use efficiency of <i>Nannochloropsis gaditana</i> cultures for biofuel production. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 161	7.8	55
91	Mutagenesis and phenotypic selection as a strategy toward domestication of <i>Chlamydomonas reinhardtii</i> strains for improved performance in photobioreactors. <i>Photosynthesis Research</i> , <b>2011</b> , 108, 107-20	3.7	55
90	The low-energy forms of photosystem I light-harvesting complexes: spectroscopic properties and pigment-pigment interaction characteristics. <i>Biophysical Journal</i> , <b>2007</b> , 93, 2418-28	2.9	55
89	Balancing protection and efficiency in the regulation of photosynthetic electron transport across plant evolution. <i>New Phytologist</i> , <b>2019</b> , 221, 105-109	9.8	53

88	Short- and long-term operation of the lutein-epoxide cycle in light-harvesting antenna complexes. <i>Plant Physiology</i> , <b>2007</b> , 144, 926-41	6.6	52
87	Antenna complexes protect Photosystem I from photoinhibition. <i>BMC Plant Biology</i> , <b>2009</b> , 9, 71	5.3	51
86	Biochemical and structural analyses of a higher plant photosystem II supercomplex of a photosystem I-less mutant of barley. Consequences of a chronic over-reduction of the plastoquinone pool. <i>FEBS Journal</i> , <b>2006</b> , 273, 4616-30	5.7	50
85	Occurrence of the lutein-epoxide cycle in mistletoes of the Loranthaceae and Viscaceae. <i>Planta</i> , <b>2003</b> , 217, 868-79	4.7	48
84	A Palmitic Acid Elongase Affects Eicosapentaenoic Acid and Plastidial Monogalactosyldiacylglycerol Levels in <i>Nannochloropsis</i> . <i>Plant Physiology</i> , <b>2017</b> , 173, 742-759	6.6	47
83	Coexistence of plant and algal energy dissipation mechanisms in the moss <i>Physcomitrella patens</i> . <i>New Phytologist</i> , <b>2012</b> , 196, 763-773	9.8	46
82	Quenching of chlorophyll triplet states by carotenoids in reconstituted Lhca4 subunit of peripheral light-harvesting complex of photosystem I. <i>Biochemistry</i> , <b>2005</b> , 44, 8337-46	3.2	45
81	Transcriptome and Cell Physiological Analyses in Different Rice Cultivars Provide New Insights Into Adaptive and Salinity Stress Responses. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 204	6.2	43
80	Evolution of photoprotection mechanisms upon land colonization: evidence of PSBS-dependent NPQ in late Streptophyte algae. <i>Physiologia Plantarum</i> , <b>2013</b> , 149, 583-98	4.6	43
79	Mutation analysis of violaxanthin de-epoxidase identifies substrate-binding sites and residues involved in catalysis. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 23763-70	5.4	41
78	Dynamic reorganization of photosystem II supercomplexes in response to variations in light intensities. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2016</b> , 1857, 1651-60	4.6	40
77	Characterization of the photosynthetic apparatus of the Eustigmatophycean <i>Nannochloropsis gaditana</i> : evidence of convergent evolution in the supramolecular organization of photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2014</b> , 1837, 306-14	4.6	39
76	Photobioreactors for microalgal growth and oil production with <i>Nannochloropsis salina</i> : From lab-scale experiments to large-scale design. <i>Chemical Engineering Research and Design</i> , <b>2012</b> , 90, 1151-1158	5.5	39
75	Probing the structure of Lhca3 by mutation analysis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2006</b> , 1757, 1607-13	4.6	39
74	Singlet and triplet state transitions of carotenoids in the antenna complexes of higher-plant photosystem I. <i>Biochemistry</i> , <b>2007</b> , 46, 3846-55	3.2	38
73	Occupancy and functional architecture of the pigment binding sites of photosystem II antenna complex Lhcb5. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 8103-13	5.4	37
72	Origin of the 701-nm fluorescence emission of the Lhca2 subunit of higher plant photosystem I. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 48543-9	5.4	36
71	In Vivo Identification of Photosystem II Light Harvesting Complexes Interacting with PHOTOSYSTEM II SUBUNIT S. <i>Plant Physiology</i> , <b>2015</b> , 168, 1747-61	6.6	35

70	The association of the antenna system to photosystem I in higher plants. Cooperative interactions stabilize the supramolecular complex and enhance red-shifted spectral forms. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 31050-8	5.4	34
69	Cultivation of <i>Scenedesmus obliquus</i> in liquid hydrolysate from flash hydrolysis for nutrient recycling. <i>Bioresource Technology</i> , <b>2016</b> , 207, 59-66	11	31
68	Identification of the chromophores involved in aggregation-dependent energy quenching of the monomeric photosystem II antenna protein Lhcb5. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 28309-21	5.4	31
67	Excitation decay pathways of Lhca proteins: a time-resolved fluorescence study. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 21150-8	3.4	31
66	Evolutionary insight into the ionotropic glutamate receptor superfamily of photosynthetic organisms. <i>Biophysical Chemistry</i> , <b>2016</b> , 218, 14-26	3.5	31
65	Protein redox regulation in the thylakoid lumen: the importance of disulfide bonds for violaxanthin de-epoxidase. <i>FEBS Letters</i> , <b>2015</b> , 589, 919-23	3.8	28
64	Role of cyclic and pseudo-cyclic electron transport in response to dynamic light changes in <i>Physcomitrella patens</i> . <i>Plant, Cell and Environment</i> , <b>2019</b> , 42, 1590-1602	8.4	28
63	Photoacclimation of photosynthesis in the Eustigmatophycean <i>Nannochloropsis gaditana</i> . <i>Photosynthesis Research</i> , <b>2016</b> , 129, 291-305	3.7	27
62	Mitochondria Affect Photosynthetic Electron Transport and Photosensitivity in a Green Alga. <i>Plant Physiology</i> , <b>2018</b> , 176, 2305-2314	6.6	25
61	An Identifiable State Model To Describe Light Intensity Influence on Microalgae Growth. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 6738-6749	3.9	23
60	Integration of biofuels intermediates production and nutrients recycling in the processing of a marine algae. <i>AIChE Journal</i> , <b>2017</b> , 63, 1494-1502	3.6	23
59	Conservation of core complex subunits shaped the structure and function of photosystem I in the secondary endosymbiont alga <i>Nannochloropsis gaditana</i> . <i>New Phytologist</i> , <b>2017</b> , 213, 714-726	9.8	23
58	Photoprotective sites in the violaxanthin-chlorophyll a binding Protein (VCP) from <i>Nannochloropsis gaditana</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2014</b> , 1837, 1235-46	4.6	23
57	Influence of light and temperature on growth and high-value molecules productivity from <i>Cyanobacterium aponinum</i> . <i>Journal of Applied Phycology</i> , <b>2017</b> , 29, 1781-1790	3.2	22
56	An NMR comparison of the light-harvesting complex II (LHCII) in active and photoprotective states reveals subtle changes in the chlorophyll a ground-state electronic structures. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2013</b> , 1827, 738-44	4.6	22
55	A model of chlorophyll fluorescence in microalgae integrating photoproduction, photoinhibition and photoregulation. <i>Journal of Biotechnology</i> , <b>2015</b> , 194, 91-9	3.7	22
54	Revised assignment of room-temperature chlorophyll fluorescence emission bands in single living cells of <i>Chlamydomonas reinhardtii</i> . <i>Journal of Bioenergetics and Biomembranes</i> , <b>2011</b> , 43, 163-73	3.7	22
53	A red-shifted antenna protein associated with photosystem II in <i>Physcomitrella patens</i> . <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 28978-28987	5.4	22

52	Excitation energy transfer pathways in Lhca4. <i>Biophysical Journal</i> , <b>2005</b> , 88, 1959-69	2.9	22
51	Photosynthesis in extreme environments: responses to different light regimes in the Antarctic alga <i>Koliella antarctica</i> . <i>Physiologia Plantarum</i> , <b>2015</b> , 153, 654-67	4.6	21
50	Novel micro-photobioreactor design and monitoring method for assessing microalgae response to light intensity. <i>Algal Research</i> , <b>2016</b> , 19, 69-76	5	21
49	The potential of quantitative models to improve microalgae photosynthetic efficiency. <i>Physiologia Plantarum</i> , <b>2019</b> , 166, 380-391	4.6	21
48	Photoprotection strategies of the alga <i>Nannochloropsis gaditana</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2017</b> , 1858, 544-552	4.6	18
47	Effect of specific light supply rate on photosynthetic efficiency of <i>Nannochloropsis salina</i> in a continuous flat plate photobioreactor. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 8309-18	5.7	18
46	Purification of structurally intact grana from plants thylakoids membranes. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2010</b> , 42, 37-45	3.7	18
45	NPQ activation reduces chlorophyll triplet state formation in the moss <i>Physcomitrella patens</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2012</b> , 1817, 1608-15	4.6	17
44	A plant secretory signal peptide targets plastome-encoded recombinant proteins to the thylakoid membrane. <i>Plant Molecular Biology</i> , <b>2011</b> , 76, 427-41	4.6	16
43	Identification of key residues for pH dependent activation of violaxanthin de-epoxidase from <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e35669	3.7	16
42	Regulation of electron transport is essential for photosystem I stability and plant growth. <i>New Phytologist</i> , <b>2020</b> , 228, 1316-1326	9.8	15
41	First solid-state NMR analysis of uniformly <sup>13</sup> C-enriched major light-harvesting complexes from <i>Chlamydomonas reinhardtii</i> and identification of protein and cofactor spin clusters. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2011</b> , 1807, 437-43	4.6	15
40	Thylakoid Protein Phosphorylation Dynamics in a Moss Mutant Lacking SERINE/THREONINE PROTEIN KINASE STN8. <i>Plant Physiology</i> , <b>2019</b> , 180, 1582-1597	6.6	13
39	Protein and lipid dynamics in photosynthetic thylakoid membranes investigated by in-situ solid-state NMR. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2016</b> , 1857, 1849-1859	4.6	13
38	Cultivation in industrially relevant conditions has a strong influence on biological properties and performances of <i>Nannochloropsis gaditana</i> genetically modified strains. <i>Algal Research</i> , <b>2017</b> , 28, 88-99	5	13
37	Merged Heme and Non-Heme Manganese Cofactors for a Dual Antioxidant Surveillance in Photosynthetic Organisms. <i>ACS Catalysis</i> , <b>2017</b> , 7, 1971-1976	13.1	10
36	Role and regulation of class-C flavodiiron proteins in photosynthetic organisms. <i>Biochemical Journal</i> , <b>2019</b> , 476, 2487-2498	3.8	10
35	Systemic Calcium Wave Propagation in <i>Physcomitrella patens</i> . <i>Plant and Cell Physiology</i> , <b>2018</b> , 59, 1377-1384	13.4	10

34	A mathematical model to guide genetic engineering of photosynthetic metabolism. <i>Metabolic Engineering</i> , <b>2017</b> , 44, 337-347	9.7	10
33	The low energy emitting states of the Lhca4 subunit of higher plant photosystem I. <i>FEBS Letters</i> , <b>2005</b> , 579, 2071-6	3.8	9
32	Assembly of Light Harvesting Pigment-Protein Complexes in Photosynthetic Eukaryotes. <i>Advances in Photosynthesis and Respiration</i> , <b>2012</b> , 113-126	1.7	9
31	Biochemical characterization and genetic identity of an oil-rich <i>Acutodesmus obliquus</i> isolate. <i>Journal of Applied Phycology</i> , <b>2015</b> , 27, 149-161	3.2	8
30	Higher order photoprotection mutants reveal the importance of pH-dependent photosynthesis-control in preventing light induced damage to both photosystem II and photosystem I. <i>Scientific Reports</i> , <b>2020</b> , 10, 6770	4.9	8
29	High-Fidelity Modelling Methodology of Light-Limited Photosynthetic Production in Microalgae. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152387	3.7	8
28	Plant biodiversity and regulation of photosynthesis in the natural environment. <i>Planta</i> , <b>2019</b> , 249, 1217-1228	11.7	8
27	Light excess stimulates Poly-beta-hydroxybutyrate yield in a mangrove-isolated strain of <i>Synechocystis</i> sp. <i>Bioresource Technology</i> , <b>2021</b> , 320, 124379	11	8
26	Semi-empirical modeling of microalgae photosynthesis in different acclimation states - Application to <i>N. gaditana</i> . <i>Journal of Biotechnology</i> , <b>2017</b> , 259, 63-72	3.7	7
25	LHCI: The Antenna Complex of Photosystem I in Plants and Green Algae <b>2006</b> , 119-137		7
24	A Framework for the Dynamic Modelling of PI Curves in Microalgae. <i>Computer Aided Chemical Engineering</i> , <b>2015</b> , 2483-2488	0.6	6
23	Photosynthesis Regulation in Response to Fluctuating Light in the Secondary Endosymbiont Alga <i>Nannochloropsis gaditana</i> . <i>Plant and Cell Physiology</i> , <b>2020</b> , 61, 41-52	4.9	6
22	Conformational Dynamics of Light-Harvesting Complex II in a Native Membrane Environment. <i>Biophysical Journal</i> , <b>2021</b> , 120, 270-283	2.9	5
21	A blueprint for gene function analysis through Base Editing in the model plant <i>Physcomitrium</i> ( <i>Physcomitrella</i> ) <i>patens</i> . <i>New Phytologist</i> , <b>2021</b> , 230, 1258-1272	9.8	5
20	Role of an ancient light-harvesting protein of PSI in light absorption and photoprotection. <i>Nature Communications</i> , <b>2021</b> , 12, 679	17.4	5
19	Global spectroscopic analysis to study the regulation of the photosynthetic proton motive force: A critical reappraisal. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2018</b> , 1859, 676-683	4.6	4
18	Acclimation of photosynthesis and lipids biosynthesis to prolonged nitrogen and phosphorus limitation in <i>Nannochloropsis gaditana</i> . <i>Algal Research</i> , <b>2021</b> , 58, 102368	5	4
17	Microfluidic Platform for Microalgae Cultivation under Non-limiting CO <sub>2</sub> Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 18036-18045	3.9	3

16	Model-Based Optimization of Microalgae Growth in a Batch Plant. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 5121-5130	3.9	3
15	Potential of Microalgae Biomass for the Sustainable Production of Bio-commodities. <i>Progress in Botany Fortschritte Der Botanik</i> , <b>2019</b> , 243-276	0.6	3
14	The chloroplast NADH dehydrogenase-like complex influences the photosynthetic activity of the moss <i>Physcomitrella patens</i> . <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 5538-5548	7	3
13	A New Remote Sensing-Based System for the Monitoring and Analysis of Growth and Gas Exchange Rates of Photosynthetic Microorganisms Under Simulated Non-Terrestrial Conditions. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 182	6.2	3
12	Modelling the photosynthetic electron transport chain in <i>Nannochloropsis gaditana</i> via exploitation of absorbance data. <i>Algal Research</i> , <b>2018</b> , 33, 430-439	5	3
11	A Dynamic Model of Photoproduction, Photoregulation and Photoinhibition in Microalgae using Chlorophyll Fluorescence. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 4370-4375		3
10	Molecular Mechanisms for Activation of Non-Photochemical Fluorescence Quenching: From Unicellular Algae to Mosses and Higher Plants. <i>Advances in Photosynthesis and Respiration</i> , <b>2014</b> , 315-331 <sup>1.7</sup>		3
9	A new cryptic species of the unicellular red algal genus <i>Dixoniella</i> (Rhodellophyceae, Proteorhodophytina): <i>Dixoniella giordanoi</i> . <i>Phycologia</i> , 1-8	2.7	2
8	Acclimation of photosynthetic apparatus in the mesophilic red alga <i>Dixoniella giordanoi</i> . <i>Physiologia Plantarum</i> , <b>2021</b> , 173, 805-817	4.6	2
7	A model-based investigation of genetically modified microalgae strains. <i>Computer Aided Chemical Engineering</i> , <b>2016</b> , 38, 607-612	0.6	1
6	Corrigendum to: The room temperature emission band shape of the lowest energy chlorophyll spectral form of LHCI (FEBS 27430). <i>FEBS Letters</i> , <b>2003</b> , 549, 181-181	3.8	1
5	Optimization of Microalgae Photosynthetic Metabolism to Close the Gap with Potential Productivity. <i>Grand Challenges in Biology and Biotechnology</i> , <b>2019</b> , 223-248	2.4	1
4	Lipid Polymorphism of the Subchloroplast-Granum and Stroma Thylakoid Membrane-Particles. II. Structure and Functions. <i>Cells</i> , <b>2021</b> , 10,	7.9	1
3	Inactivation of mitochondrial complex I stimulates chloroplast ATPase in <i>Physcomitrium patens</i> . <i>Plant Physiology</i> , <b>2021</b> , 187, 931-946	6.6	0
2	Knowledge of Regulation of Photosynthesis in Outdoor Microalgae Cultures Is Essential for the Optimization of Biomass Productivity.. <i>Frontiers in Plant Science</i> , <b>2022</b> , 13, 846496	6.2	0
1	Kinetic Description of Energy and Charge transfer Processes in PSI from <i>Arabidopsis thaliana</i> <b>2008</b> , 323-326		