

Tomas Morosinotto

List of Publications by Year in descending order

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125
papers

6,945
citations

50170

46
h-index

66788

78
g-index

133
all docs

133
docs citations

133
times ranked

5456
citing authors

#	ARTICLE	IF	CITATIONS
1	The Response of <i>Nannochloropsis gaditana</i> to Nitrogen Starvation Includes <i>De Novo</i> Biosynthesis of Triacylglycerols, a Decrease of Chloroplast Galactolipids, and Reorganization of the Photosynthetic Apparatus. <i>Eukaryotic Cell</i> , 2013, 12, 665-676.	3.4	301
2	Contrasting Behavior of Higher Plant Photosystem I and II Antenna Systems during Acclimation. <i>Journal of Biological Chemistry</i> , 2007, 282, 8947-8958.	1.6	269
3	Light-induced Dissociation of an Antenna Hetero-oligomer Is Needed for Non-photochemical Quenching Induction. <i>Journal of Biological Chemistry</i> , 2009, 284, 15255-15266.	1.6	268
4	Analysis of LhcSR3, a Protein Essential for Feedback De-Excitation in the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>PLoS Biology</i> , 2011, 9, e1000577.	2.6	260
5	Adjusted Light and Dark Cycles Can Optimize Photosynthetic Efficiency in Algae Growing in Photobioreactors. <i>PLoS ONE</i> , 2012, 7, e38975.	1.1	231
6	<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> , 2010, 107, 11128-11133.	3.3	185
7	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> , 2008, 20, 1012-1028.	3.1	178
8	Chromosome Scale Genome Assembly and Transcriptome Profiling of <i>Nannochloropsis gaditana</i> in Nitrogen Depletion. <i>Molecular Plant</i> , 2014, 7, 323-335.	3.9	178
9	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> , 2003, 278, 49223-49229.	1.6	167
10	Acclimation of <i>Nannochloropsis gaditana</i> to different illumination regimes: Effects on lipids accumulation. <i>Bioresource Technology</i> , 2011, 102, 6026-6032.	4.8	153
11	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> , 2016, 113, 12322-12327.	3.3	153
12	The Lhca antenna complexes of higher plants photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1556, 29-40.	0.5	152
13	A Thylakoid-Located Two-Pore K ⁺ Channel Controls Photosynthetic Light Utilization in Plants. <i>Science</i> , 2013, 342, 114-118.	6.0	146
14	A Structural Basis for the pH-Dependent Xanthophyll Cycle in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2009, 21, 2036-2044.	3.1	142
15	Optimization of light use efficiency for biofuel production in algae. <i>Biophysical Chemistry</i> , 2013, 182, 71-78.	1.5	125
16	Alternative electron transport mediated by flavodiiron proteins is operational in organisms from cyanobacteria up to gymnosperms. <i>New Phytologist</i> , 2017, 214, 967-972.	3.5	124
17	In Silico and Biochemical Analysis of <i>Physcomitrella patens</i> Photosynthetic Antenna: Identification of Subunits which Evolved upon Land Adaptation. <i>PLoS ONE</i> , 2008, 3, e2033.	1.1	121
18	Excess CO ₂ supply inhibits mixotrophic growth of <i>Chlorella protothecoides</i> and <i>Nannochloropsis salina</i> . <i>Bioresource Technology</i> , 2012, 104, 523-529.	4.8	118

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19	Zeaxanthin Binds to Light-Harvesting Complex Stress-Related Protein to Enhance Nonphotochemical Quenching in <i>Physcomitrella patens</i> . <i>Plant Cell</i> , 2013, 25, 3519-3534.	3.1	109
20	Light Remodels Lipid Biosynthesis in <i>Nannochloropsis gaditana</i> by Modulating Carbon Partitioning between Organelles. <i>Plant Physiology</i> , 2016, 171, 2468-2482.	2.3	106
21	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> , 2014, 172, 2377-2389.	1.4	97
22	Mechanistic aspects of the xanthophyll dynamics in higher plant thylakoids. <i>Physiologia Plantarum</i> , 2003, 119, 347-354.	2.6	96
23	Dynamics of Chromophore Binding to Lhc Proteins in Vivo and in Vitro during Operation of the Xanthophyll Cycle. <i>Journal of Biological Chemistry</i> , 2002, 277, 36913-36920.	1.6	95
24	Recombinant Lhca2 and Lhca3 Subunits of the Photosystem I Antenna System. <i>Biochemistry</i> , 2003, 42, 4226-4234.	1.2	91
25	Trap-Limited Charge Separation Kinetics in Higher Plant Photosystem I Complexes. <i>Biophysical Journal</i> , 2008, 94, 3601-3612.	0.2	88
26	Balancing protection and efficiency in the regulation of photosynthetic electron transport across plant evolution. <i>New Phytologist</i> , 2019, 221, 105-109.	3.5	84
27	Generation of random mutants to improve light-use efficiency of <i>Nannochloropsis gaditana</i> cultures for biofuel production. <i>Biotechnology for Biofuels</i> , 2015, 8, 161.	6.2	82
28	Mutation Analysis of Lhca1 Antenna Complex. <i>Journal of Biological Chemistry</i> , 2002, 277, 36253-36261.	1.6	77
29	Role of PSBS and LHCSR in <i>Physcomitrella patens</i> acclimation to high light and low temperature. <i>Plant, Cell and Environment</i> , 2011, 34, 922-932.	2.8	76
30	Slowly reversible de-epoxidation of lutein-epoxide in deep shade leaves of a tropical tree legume may 'lock-in' lutein-based photoprotection during acclimation to strong light. <i>Journal of Experimental Botany</i> , 2004, 56, 461-468.	2.4	75
31	Dynamic reorganization of photosystem II supercomplexes in response to variations in light intensities. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1651-1660.	0.5	70
32	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> , 2007, 282, 29457-29469.	1.6	69
33	The Low-Energy Forms of Photosystem I Light-Harvesting Complexes: Spectroscopic Properties and Pigment-Pigment Interaction Characteristics. <i>Biophysical Journal</i> , 2007, 93, 2418-2428.	0.2	65
34	Mutagenesis and phenotypic selection as a strategy toward domestication of <i>Chlamydomonas reinhardtii</i> strains for improved performance in photobioreactors. <i>Photosynthesis Research</i> , 2011, 108, 107-120.	1.6	65
35	A Palmitic Acid Elongase Affects Eicosapentaenoic Acid and Plastidial Monogalactosyldiacylglycerol Levels in <i>Nannochloropsis</i> . <i>Plant Physiology</i> , 2017, 173, 742-759.	2.3	65
36	Transcriptome and Cell Physiological Analyses in Different Rice Cultivars Provide New Insights Into Adaptive and Salinity Stress Responses. <i>Frontiers in Plant Science</i> , 2018, 9, 204.	1.7	65

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37	Antenna complexes protect Photosystem I from Photoinhibition. <i>BMC Plant Biology</i> , 2009, 9, 71.	1.6	64
38	Pigment-Pigment Interactions in Lhca4 Antenna Complex of Higher Plants Photosystem I. <i>Journal of Biological Chemistry</i> , 2005, 280, 20612-20619.	1.6	63
39	Coexistence of plant and algal energy dissipation mechanisms in the moss <i>Physcomitrella patens</i> . <i>New Phytologist</i> , 2012, 196, 763-773.	3.5	61
40	Stoichiometry of LHCI antenna polypeptides and characterization of gap and linker pigments in higher plants Photosystem I. <i>FEBS Journal</i> , 2004, 271, 4659-4665.	0.2	60
41	Short- and Long-Term Operation of the Lutein-Epoxide Cycle in Light-Harvesting Antenna Complexes. <i>Plant Physiology</i> , 2007, 144, 926-941.	2.3	59
42	Mutation Analysis of Violaxanthin De-epoxidase Identifies Substrate-binding Sites and Residues Involved in Catalysis. <i>Journal of Biological Chemistry</i> , 2010, 285, 23763-23770.	1.6	59
43	Biochemical and structural analyses of a higher plant photosystem II supercomplex of a photosystem II-less mutant of barley. <i>FEBS Journal</i> , 2006, 273, 4616-4630.	2.2	58
44	Occurrence of the lutein-epoxide cycle in mistletoes of the Loranthaceae and Viscaceae. <i>Planta</i> , 2003, 217, 868-879.	1.6	54
45	Evolution of photoprotection mechanisms upon land colonization: evidence of Δ -dependent NPQ in late Streptophyte algae. <i>Physiologia Plantarum</i> , 2013, 149, 583-598.	2.6	50
46	Evolutionary insight into the ionotropic glutamate receptor superfamily of photosynthetic organisms. <i>Biophysical Chemistry</i> , 2016, 218, 14-26.	1.5	50
47	Quenching of Chlorophyll Triplet States by Carotenoids in Reconstituted Lhca4 Subunit of Peripheral Light-Harvesting Complex of Photosystem I. <i>Biochemistry</i> , 2005, 44, 8337-8346.	1.2	49
48	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> , 2014, 1837, 306-314.	0.5	44
49	In Vivo Identification of Photosystem II Light Harvesting Complexes Interacting with PHOTOSYSTEM II SUBUNIT S. <i>Plant Physiology</i> , 2015, 168, 1747-1761.	2.3	43
50	Probing the structure of Lhca3 by mutation analysis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 1607-1613.	0.5	42
51	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> , 2019, 42, 1590-1602.	2.8	42
52	Singlet and Triplet State Transitions of Carotenoids in the Antenna Complexes of Higher-Plant Photosystem I. <i>Biochemistry</i> , 2007, 46, 3846-3855.	1.2	41
53	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> , 2012, 90, 1151-1158.	2.7	41
54	Origin of the 701-nm Fluorescence Emission of the Lhca2 Subunit of Higher Plant Photosystem I. <i>Journal of Biological Chemistry</i> , 2004, 279, 48543-48549.	1.6	39

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55	Cultivation of <i>Scenedesmus obliquus</i> in liquid hydrolysate from flash hydrolysis for nutrient recycling. <i>Bioresource Technology</i> , 2016, 207, 59-66.	4.8	39
56	Mitochondria Affect Photosynthetic Electron Transport and Photosensitivity in a Green Alga. <i>Plant Physiology</i> , 2018, 176, 2305-2314.	2.3	39
57	The Association of the Antenna System to Photosystem I in Higher Plants. <i>Journal of Biological Chemistry</i> , 2005, 280, 31050-31058.	1.6	38
58	Occupancy and Functional Architecture of the Pigment Binding Sites of Photosystem II Antenna Complex Lhcb5. <i>Journal of Biological Chemistry</i> , 2009, 284, 8103-8113.	1.6	38
59	Protein redox regulation in the thylakoid lumen: The importance of disulfide bonds for violaxanthin deâ€œpoxidase. <i>FEBS Letters</i> , 2015, 589, 919-923.	1.3	37
60	The potential of quantitative models to improve microalgae photosynthetic efficiency. <i>Physiologia Plantarum</i> , 2019, 166, 380-391.	2.6	37
61	Regulation of electron transport is essential for photosystem I stability and plant growth. <i>New Phytologist</i> , 2020, 228, 1316-1326.	3.5	36
62	Influence of light and temperature on growth and high-value molecules productivity from <i>Cyanobacterium aponinum</i> . <i>Journal of Applied Phycology</i> , 2017, 29, 1781-1790.	1.5	35
63	Identification of the Chromophores Involved in Aggregation-dependent Energy Quenching of the Monomeric Photosystem II Antenna Protein Lhcb5. <i>Journal of Biological Chemistry</i> , 2010, 285, 28309-28321.	1.6	34
64	Photoacclimation of photosynthesis in the Eustigmatophycean <i>Nannochloropsis gaditana</i> . <i>Photosynthesis Research</i> , 2016, 129, 291-305.	1.6	34
65	Excitation Decay Pathways of Lhca Proteins: A Time-Resolved Fluorescence Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21150-21158.	1.2	33
66	Photoprotective sites in the violaxanthinâ€œchlorophyll a binding Protein (VCP) from <i>Nannochloropsis gaditana</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1235-1246.	0.5	32
67	A model of chlorophyll fluorescence in microalgae integrating photoproduction, photoinhibition and photoregulation. <i>Journal of Biotechnology</i> , 2015, 194, 91-99.	1.9	29
68	Photosynthesis in extreme environments: responses to different light regimes in the Antarctic alga <i>Koliella antarctica</i> . <i>Physiologia Plantarum</i> , 2015, 153, 654-667.	2.6	29
69	A Red-shifted Antenna Protein Associated with Photosystem II in <i>Physcomitrella patens</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 28978-28987.	1.6	28
70	Role of an ancient light-harvesting protein of PSI in light absorption and photoprotection. <i>Nature Communications</i> , 2021, 12, 679.	5.8	28
71	Novel micro-photobioreactor design and monitoring method for assessing microalgae response to light intensity. <i>Algal Research</i> , 2016, 19, 69-76.	2.4	27
72	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> , 2017, 213, 714-726.	3.5	27

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73	An Identifiable State Model To Describe Light Intensity Influence on Microalgae Growth. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6738-6749.	1.8	26
74	Photoprotection strategies of the alga <i>Nannochloropsis gaditana</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 544-552.	0.5	26
75	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> , 2013, 1827, 738-744.	0.5	25
76	Role and regulation of class-C flavodiiron proteins in photosynthetic organisms. <i>Biochemical Journal</i> , 2019, 476, 2487-2498.	1.7	25
77	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> , 2015, 99, 8309-8318.	1.7	24
78	Integration of biofuels intermediates production and nutrients recycling in the processing of a marine algae. <i>AIChE Journal</i> , 2017, 63, 1494-1502.	1.8	24
79	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> , 2011, 43, 163-173.	1.0	23
80	Excitation Energy Transfer Pathways in Lhca4. <i>Biophysical Journal</i> , 2005, 88, 1959-1969.	0.2	22
81	NPQ activation reduces chlorophyll triplet state formation in the moss <i>Physcomitrella patens</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1608-1615.	0.5	21
82	Protein and lipid dynamics in photosynthetic thylakoid membranes investigated by in-situ solid-state NMR. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1849-1859.	0.5	21
83	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> , 2017, 28, 88-99.	2.4	21
84	Light excess stimulates Poly-beta-hydroxybutyrate yield in a mangrove-isolated strain of <i>Synechocystis</i> sp.. <i>Bioresource Technology</i> , 2021, 320, 124379.	4.8	21
85	Thylakoid Protein Phosphorylation Dynamics in a Moss Mutant Lacking SERINE/THREONINE PROTEIN KINASE STN8. <i>Plant Physiology</i> , 2019, 180, 1582-1597.	2.3	20
86	Plant biodiversity and regulation of photosynthesis in the natural environment. <i>Planta</i> , 2019, 249, 1217-1228.	1.6	20
87	Identification of Key Residues for pH Dependent Activation of Violaxanthin De-Epoxidase from <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2012, 7, e35669.	1.1	20
88	Systemic Calcium Wave Propagation in <i>Physcomitrella patens</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 1377-1384.	1.5	19
89	Purification of structurally intact grana from plants thylakoids membranes. <i>Journal of Bioenergetics and Biomembranes</i> , 2010, 42, 37-45.	1.0	18
90	Higher order photoprotection mutants reveal the importance of p^{H} -dependent photosynthesis-control in preventing light induced damage to both photosystem II and photosystem I. <i>Scientific Reports</i> , 2020, 10, 6770.	1.6	18

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91	A blueprint for gene function analysis through Base Editing in the model plant <i>Physcomitrium (Physcomitrella) patens</i> . <i>New Phytologist</i> , 2021, 230, 1258-1272.	3.5	18
92	Acclimation of photosynthesis and lipids biosynthesis to prolonged nitrogen and phosphorus limitation in <i>Nannochloropsis gaditana</i> . <i>Algal Research</i> , 2021, 58, 102368.	2.4	18
93	A mathematical model to guide genetic engineering of photosynthetic metabolism. <i>Metabolic Engineering</i> , 2017, 44, 337-347.	3.6	17
94	Photosynthesis Regulation in Response to Fluctuating Light in the Secondary Endosymbiont Alga <i>Nannochloropsis gaditana</i> . <i>Plant and Cell Physiology</i> , 2020, 61, 41-52.	1.5	17
95	A plant secretory signal peptide targets plastome-encoded recombinant proteins to the thylakoid membrane. <i>Plant Molecular Biology</i> , 2011, 76, 427-441.	2.0	16
96	First solid-state NMR analysis of uniformly ¹³ 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> , 2011, 1807, 437-443.	0.5	15
97	Merged Heme and Non-Heme Manganese Cofactors for a Dual Antioxidant Surveillance in Photosynthetic Organisms. <i>ACS Catalysis</i> , 2017, 7, 1971-1976.	5.5	13
98	Conformational Dynamics of Light-Harvesting Complex II in a Native Membrane Environment. <i>Biophysical Journal</i> , 2021, 120, 270-283.	0.2	12
99	High-Fidelity Modelling Methodology of Light-Limited Photosynthetic Production in Microalgae. <i>PLoS ONE</i> , 2016, 11, e0152387.	1.1	12
100	The chloroplast NADH dehydrogenase-like complex influences the photosynthetic activity of the moss <i>Physcomitrella patens</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 5538-5548.	2.4	11
101	Knowledge of Regulation of Photosynthesis in Outdoor Microalgae Cultures Is Essential for the Optimization of Biomass Productivity. <i>Frontiers in Plant Science</i> , 2022, 13, 846496.	1.7	11
102	Semi-empirical modeling of microalgae photosynthesis in different acclimation states – Application to <i>N. gaditana</i> . <i>Journal of Biotechnology</i> , 2017, 259, 63-72.	1.9	10
103	The low energy emitting states of the Lhca4 subunit of higher plant photosystem I. <i>FEBS Letters</i> , 2005, 579, 2071-2076.	1.3	9
104	Biochemical characterization and genetic identity of an oil-rich <i>Acutodesmus obliquus</i> isolate. <i>Journal of Applied Phycology</i> , 2015, 27, 149-161.	1.5	9
105	Assembly of Light Harvesting Pigment-Protein Complexes in Photosynthetic Eukaryotes. <i>Advances in Photosynthesis and Respiration</i> , 2012, , 113-126.	1.0	9
106	Protein dynamics and lipid affinity of monomeric, zeaxanthin-binding LHCI in thylakoid membranes. <i>Biophysical Journal</i> , 2022, 121, 396-409.	0.2	9
107	Model-Based Optimization of Microalgae Growth in a Batch Plant. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 5121-5130.	1.8	7
108	LHCI: The Antenna Complex of Photosystem I in Plants and Green Algae. , 2006, , 119-137.		7

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109	A Framework for the Dynamic Modelling of PI Curves in Microalgae. Computer Aided Chemical Engineering, 2015, , 2483-2488.	0.3	6
110	Global spectroscopic analysis to study the regulation of the photosynthetic proton motive force: A critical reappraisal. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 676-683.	0.5	6
111	Microfluidic Platform for Microalgae Cultivation under Non-limiting CO ₂ Conditions. Industrial & Engineering Chemistry Research, 2019, 58, 18036-18045.	1.8	6
112	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. Frontiers in Plant Science, 2020, 11, 182.	1.7	6
113	Acclimation of photosynthetic apparatus in the mesophilic red alga <i>Dixoniella giordanoi</i> . Physiologia Plantarum, 2021, 173, 805-817.	2.6	5
114	Lipid Polymorphism of the Subchloroplast Granum and Stroma Thylakoid Membrane Particles. II. Structure and Functions. Cells, 2021, 10, 2363.	1.8	5
115	Potential of Microalgae Biomass for the Sustainable Production of Bio-commodities. Progress in Botany Fortschritte Der Botanik, 2019, , 243-276.	0.1	4
116	Optimization of Microalgae Photosynthetic Metabolism to Close the Gap with Potential Productivity. Grand Challenges in Biology and Biotechnology, 2019, , 223-248.	2.4	4
117	Role of serine/threonine protein kinase STN7 in the formation of two distinct photosystem I supercomplexes in <i>Physcomitrium patens</i> . Plant Physiology, 2022, 190, 698-713.	2.3	4
118	A Dynamic Model of Photoproduction, Photoregulation and Photoinhibition in Microalgae using Chlorophyll Fluorescence. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4370-4375.	0.4	3
119	Modelling the photosynthetic electron transport chain in <i>Nannochloropsis gaditana</i> via exploitation of absorbance data. Algal Research, 2018, 33, 430-439.	2.4	3
120	Inactivation of mitochondrial complex I stimulates chloroplast ATPase in <i>Physcomitrium patens</i> . Plant Physiology, 2021, 187, 931-946.	2.3	3
121	Molecular Mechanisms for Activation of Non-Photochemical Fluorescence Quenching: From Unicellular Algae to Mosses and Higher Plants. Advances in Photosynthesis and Respiration, 2014, , 315-331.	1.0	3
122	A new cryptic species of the unicellular red algal genus <i>Dixoniella</i> (Rhodellophyceae), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 T	0.6	3
123	Corrigendum to: The room temperature emission band shape of the lowest energy chlorophyll spectral form of LHCI (FEBS 27430). FEBS Letters, 2003, 549, 181-181.	1.3	1
124	A model-based investigation of genetically modified microalgae strains. Computer Aided Chemical Engineering, 2016, 38, 607-612.	0.3	1
125	Kinetic Description of Energy and Charge transfer Processes in PSI from <i>Arabidopsis thaliana</i> . , 2008, , 323-326.		0