

Eric MarÃ©chal

List of Publications by Year in descending order

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#	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	Glycerolipids in photosynthesis: Composition, synthesis and trafficking. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 470-480.	1.0	296
3	Membrane Glycerolipid Remodeling Triggered by Nitrogen and Phosphorus Starvation in <i>Phaeodactylum tricornutum</i> . <i>Plant Physiology</i> , 2015, 167, 118-136.	4.8	286
4	Phosphate deprivation induces transfer of DGDG galactolipid from chloroplast to mitochondria. <i>Journal of Cell Biology</i> , 2004, 167, 863-874.	5.2	235
5	The Biochemical Machinery of Plastid Envelope Membranes. <i>Plant Physiology</i> , 1998, 118, 715-723.	4.8	168
6	Oil Accumulation by the Oleaginous Diatom <i>Fistulifera solaris</i> as Revealed by the Genome and Transcriptome. <i>Plant Cell</i> , 2015, 27, 162-176.	6.6	149
7	Contribution of galactoglycerolipids to the 3-dimensional architecture of thylakoids. <i>FASEB Journal</i> , 2014, 28, 3373-3383.	0.5	139
8	Glycerolipid transfer for the building of membranes in plant cells. <i>Progress in Lipid Research</i> , 2007, 46, 37-55.	11.6	134
9	The lipid metabolism in thraustochytrids. <i>Progress in Lipid Research</i> , 2019, 76, 101007.	11.6	119
10	Evolution of galactoglycerolipid biosynthetic pathways – From cyanobacteria to primary plastids and from primary to secondary plastids. <i>Progress in Lipid Research</i> , 2014, 54, 68-85.	11.6	118
11	Atypical lipid composition in the purified relict plastid (apicoplast) of malaria parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7506-7511.	7.1	117
12	The Biosynthetic Capacities of the Plastids and Integration Between Cytoplasmic and Chloroplast Processes. <i>Annual Review of Genetics</i> , 2012, 46, 233-264.	7.6	115
13	Biochemical and topological properties of type A MGDG synthase, a spinach chloroplast envelope enzyme catalyzing the synthesis of both prokaryotic and eukaryotic MGDG. <i>FEBS Journal</i> , 1999, 265, 990-1001.	0.2	114
14	Light Remodels Lipid Biosynthesis in <i>Nannochloropsis gaditana</i> by Modulating Carbon Partitioning between Organelles. <i>Plant Physiology</i> , 2016, 171, 2468-2482.	4.8	106
15	Plant lipid-associated fibrillin proteins condition jasmonate production under photosynthetic stress. <i>Plant Journal</i> , 2010, 61, 436-445.	5.7	105
16	Activation of the Chloroplast Monogalactosyldiacylglycerol Synthase MGD1 by Phosphatidic Acid and Phosphatidylglycerol. <i>Journal of Biological Chemistry</i> , 2010, 285, 6003-6011.	3.4	102
17	Transient increase of phosphatidylcholine in plant cells in response to phosphate deprivation. <i>FEBS Letters</i> , 2003, 544, 63-68.	2.8	96
18	Plastid thylakoid architecture optimizes photosynthesis in diatoms. <i>Nature Communications</i> , 2017, 8, 15885.	12.8	93

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19	The apicoplast: a new member of the plastid family. <i>Trends in Plant Science</i> , 2001, 6, 200-205.	8.8	90
20	Lipid synthesis and metabolism in the plastid envelope. <i>Physiologia Plantarum</i> , 1997, 100, 65-77.	5.2	85
21	Investigating mixotrophic metabolism in the model diatom <i>Phaeodactylum tricornutum</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160404.	4.0	85
22	The plant S-adenosyl-methionine:Mg-protoporphyrin IX methyltransferase is located in both envelope and thylakoid chloroplast membranes. <i>FEBS Journal</i> , 2002, 269, 240-248.	0.2	83
23	<i>Plasmodium falciparum</i> Apicoplast Drugs: Targets or Off-Targets?. <i>Chemical Reviews</i> , 2012, 112, 1269-1283.	47.7	81
24	AtMic60 Is Involved in Plant Mitochondria Lipid Trafficking and Is Part of a Large Complex. <i>Current Biology</i> , 2016, 26, 627-639.	3.9	81
25	<i>Toxoplasma gondii</i> acyl-lipid metabolism: de novo synthesis from apicoplast-generated fatty acids versus scavenging of host cell precursors. <i>Biochemical Journal</i> , 2006, 394, 197-205.	3.7	78
26	Chemical inhibitors of monogalactosyldiacylglycerol synthases in <i>Arabidopsis thaliana</i> . <i>Nature Chemical Biology</i> , 2011, 7, 834-842.	8.0	74
27	Mechanisms of Phosphorus Acquisition and Lipid Class Remodeling under P Limitation in a Marine Microalga. <i>Plant Physiology</i> , 2017, 175, 1543-1559.	4.8	74
28	LC-MS/MS versus TLC plus GC methods: Consistency of glycerolipid and fatty acid profiles in microalgae and higher plant cells and effect of a nitrogen starvation. <i>PLoS ONE</i> , 2017, 12, e0182423.	2.5	74
29	Lipidomic Analysis of <i>Toxoplasma gondii</i> Reveals Unusual Polar Lipids. <i>Biochemistry</i> , 2007, 46, 13882-13890.	2.5	70
30	Role of phosphatidic acid in plant galactolipid synthesis. <i>Biochimie</i> , 2012, 94, 86-93.	2.6	68
31	A Palmitic Acid Elongase Affects Eicosapentaenoic Acid and Plastidial Monogalactosyldiacylglycerol Levels in <i>Nannochloropsis</i> . <i>Plant Physiology</i> , 2017, 173, 742-759.	4.8	65
32	Inventory of Fatty Acid Desaturases in the Pennate Diatom <i>Phaeodactylum tricornutum</i> . <i>Marine Drugs</i> , 2015, 13, 1317-1339.	4.6	64
33	Tight cohesion between glycolipid membranes results from balanced water-headgroup interactions. <i>Nature Communications</i> , 2017, 8, 14899.	12.8	61
34	ALA10, a Phospholipid Flippase, Controls FAD2/FAD3 Desaturation of Phosphatidylcholine in the ER and Affects Chloroplast Lipid Composition in <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 2016, 170, 1300-1314.	4.8	60
35	Proposal of a new thraustochytrid genus <i>Honda</i> gen. nov. and comparison of its lipid dynamics with the closely related pseudo-cryptic genus <i>Aurantiochytrium</i> . <i>Algal Research</i> , 2018, 35, 125-141.	4.6	55
36	Ultrastructure of the Periplastidial Compartment of the Diatom <i>Phaeodactylum tricornutum</i> . <i>Protist</i> , 2016, 167, 254-267.	1.5	54

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37	The architecture of lipid droplets in the diatom <i>Phaeodactylum tricornutum</i> . <i>Algal Research</i> , 2019, 38, 101415.	4.6	52
38	Synthesis of Chloroplast Galactolipids in Apicomplexan Parasites. <i>Eukaryotic Cell</i> , 2002, 1, 653-656.	3.4	51
39	Rodent and nonrodent malaria parasites differ in their phospholipid metabolic pathways. <i>Journal of Lipid Research</i> , 2010, 51, 81-96.	4.2	51
40	Identification of Plant-like Galactolipids in <i>Chromera velia</i> , a Photosynthetic Relative of Malaria Parasites. <i>Journal of Biological Chemistry</i> , 2011, 286, 29893-29903.	3.4	48
41	The Cyst-Dividing Bacterium <i>Ramlibacter tataouinensis</i> TTB310 Genome Reveals a Well-Stocked Toolbox for Adaptation to a Desert Environment. <i>PLoS ONE</i> , 2011, 6, e23784.	2.5	47
42	Apicoplast-Localized Lysophosphatidic Acid Precursor Assembly Is Required for Bulk Phospholipid Synthesis in <i>Toxoplasma gondii</i> and Relies on an Algal/Plant-Like Glycerol 3-Phosphate Acyltransferase. <i>PLoS Pathogens</i> , 2016, 12, e1005765.	4.7	47
43	Algal Remodeling in a Ubiquitous Planktonic Photosymbiosis. <i>Current Biology</i> , 2019, 29, 968-978.e4.	3.9	45
44	Levels of polyunsaturated fatty acids correlate with growth rate in plant cell cultures. <i>Scientific Reports</i> , 2015, 5, 15207.	3.3	43
45	Screening for Biologically Annotated Drugs That Trigger Triacylglycerol Accumulation in the Diatom <i>Phaeodactylum</i> . <i>Plant Physiology</i> , 2018, 177, 532-552.	4.8	43
46	Modulation of GT-1 DNA-binding activity by calcium-dependent phosphorylation. <i>Plant Molecular Biology</i> , 1999, 40, 373-386.	3.9	42
47	Nuclear genome sequence of the plastid-lacking cryptomonad <i>Goniomonas avonlea</i> provides insights into the evolution of secondary plastids. <i>BMC Biology</i> , 2018, 16, 137.	3.8	42
48	Do Galactolipid Synthases Play a Key Role in the Biogenesis of Chloroplast Membranes of Higher Plants?. <i>Frontiers in Plant Science</i> , 2018, 9, 126.	3.6	40
49	Production and Analysis of Perdeuterated Lipids from <i>Pichia pastoris</i> Cells. <i>PLoS ONE</i> , 2014, 9, e92999.	2.5	39
50	Thermoacclimation and genome adaptation of the membrane lipidome in marine <i>Synechococcus</i> . <i>Environmental Microbiology</i> , 2018, 20, 612-631.	3.8	39
51	Enhanced triacylglycerol production in the diatom <i>Phaeodactylum tricornutum</i> by inactivation of a Hotdog-fold thioesterase gene using TALEN-based targeted mutagenesis. <i>Biotechnology for Biofuels</i> , 2018, 11, 312.	6.2	39
52	Molecular Modeling and Site-directed Mutagenesis of Plant Chloroplast Monogalactosyldiacylglycerol Synthase Reveal Critical Residues for Activity. <i>Journal of Biological Chemistry</i> , 2005, 280, 34691-34701.	3.4	38
53	Nitric Oxide Mediates Nitrite-Sensing and Acclimation and Triggers a Remodeling of Lipids. <i>Plant Physiology</i> , 2017, 175, 1407-1423.	4.8	38
54	The Myb-like transcription factor phosphorus starvation response (PtPSR) controls conditional P acquisition and remodelling in marine microalgae. <i>New Phytologist</i> , 2020, 225, 2380-2395.	7.3	38

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55	Detection of new protein domains using co-occurrence: application to <i>Plasmodium falciparum</i> . <i>Bioinformatics</i> , 2009, 25, 3077-3083.	4.1	37
56	Analysis of the compositional biases in <i>Plasmodium falciparum</i> genome and proteome using <i>Arabidopsis thaliana</i> as a reference. <i>Gene</i> , 2004, 336, 163-173.	2.2	35
57	The Catalytic Site of Monogalactosyldiacylglycerol Synthase from Spinach Chloroplast Envelope Membranes. <i>Journal of Biological Chemistry</i> , 1995, 270, 5714-5722.	3.4	34
58	Galvestine-1, a novel chemical probe for the study of the glycerolipid homeostasis system in plant cells. <i>Molecular BioSystems</i> , 2012, 8, 2023.	2.9	34
59	Non-Enzymatic Synthesis of Bioactive Isoprostanoids in the Diatom <i>Phaeodactylum</i> following Oxidative Stress. <i>Plant Physiology</i> , 2018, 178, 1344-1357.	4.8	34
60	Fundamentals of massive automatic pairwise alignments of protein sequences: theoretical significance of Z-value statistics. <i>Bioinformatics</i> , 2004, 20, 534-537.	4.1	33
61	Enhanced Antimalarial Activity of Novel Synthetic Aculeatin Derivatives. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4870-4873.	6.4	31
62	Construction of non-symmetric substitution matrices derived from proteomes with biased amino acid distributions. <i>Comptes Rendus - Biologies</i> , 2005, 328, 445-453.	0.2	30
63	Subcellular localization and dynamics of a digalactolipid-like epitope in <i>Toxoplasma gondii</i> . <i>Journal of Lipid Research</i> , 2008, 49, 746-762.	4.2	27
64	New Insights on Thylakoid Biogenesis in Plant Cells. <i>International Review of Cell and Molecular Biology</i> , 2016, 323, 1-30.	3.2	27
65	Live single-cell transcriptional dynamics via RNA labelling during the phosphate response in plants. <i>Nature Plants</i> , 2021, 7, 1050-1064.	9.3	27
66	The influence of lipids on MGD1 membrane binding highlights novel mechanisms for galactolipid biosynthesis regulation in chloroplasts. <i>FASEB Journal</i> , 2014, 28, 3114-3123.	0.5	26
67	Comparison of the kinetic properties of MGDG synthase in mixed micelles and in envelope membranes from spinach chloroplast. <i>FEBS Letters</i> , 1994, 352, 307-310.	2.8	24
68	Relationship between acyl-lipid and sterol metabolisms in diatoms. <i>Biochimie</i> , 2020, 169, 3-11.	2.6	24
69	1,2-sn-Diacylglycerol in plant cells: Product, substrate and regulator. <i>Plant Physiology and Biochemistry</i> , 1999, 37, 795-808.	5.8	23
70	A configuration space of homologous proteins conserving mutual information and allowing a phylogeny inference based on pair-wise Z-score probabilities. <i>BMC Bioinformatics</i> , 2005, 6, 49.	2.6	23
71	Plastids with or without galactoglycerolipids. <i>Trends in Plant Science</i> , 2014, 19, 71-78.	8.8	23
72	Refolding from denatured inclusion bodies, purification to homogeneity and simplified assay of MGDG synthases from land plants. <i>Protein Expression and Purification</i> , 2003, 31, 79-87.	1.3	22

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73	Structural insights and membrane binding properties of <sc>MGD</sc>1, the major galactolipid synthase in plants. <i>Plant Journal</i> , 2016, 85, 622-633.	5.7	22
74	Altitudinal Zonation of Green Algae Biodiversity in the French Alps. <i>Frontiers in Plant Science</i> , 2021, 12, 679428.	3.6	22
75	Chemogenomics: A Discipline at the Crossroad of High Throughput Technologies, Biomarker Research, Combinatorial Chemistry, Genomics, Cheminformatics, Bioinformatics and Artificial Intelligence.. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2008, 11, 583-586.	1.1	21
76	Modeling of regulatory loops controlling galactolipid biosynthesis in the inner envelope membrane of chloroplasts. <i>Journal of Theoretical Biology</i> , 2014, 361, 1-13.	1.7	21
77	Ecophysiology and lipid dynamics of a eukaryotic mangrove decomposer. <i>Environmental Microbiology</i> , 2018, 20, 3057-3068.	3.8	21
78	Identification of Phosphatin, a Drug Alleviating Phosphate Starvation Responses in Arabidopsis. <i>Plant Physiology</i> , 2014, 166, 1479-1491.	4.8	20
79	Unveiling membrane thermoregulation strategies in marine picocyanobacteria. <i>New Phytologist</i> , 2020, 225, 2396-2410.	7.3	20
80	The apicoplast: a key target to cure malaria. <i>Current Pharmaceutical Design</i> , 2012, 18, 3490-504.	1.9	20
81	Integration and mining of malaria molecular, functional and pharmacological data: how far are we from a chemogenomic knowledge space?. <i>Malaria Journal</i> , 2006, 5, 110.	2.3	18
82	Membrane lipidomics for the discovery of new antiparasitic drug targets. <i>Trends in Parasitology</i> , 2011, 27, 496-504.	3.3	18
83	Inhibition of p-Aminobenzoate and Folate Syntheses in Plants and Apicomplexan Parasites by Natural Product Rubreserine. <i>Journal of Biological Chemistry</i> , 2012, 287, 22367-22376.	3.4	18
84	Interplay between Jasmonic Acid, Phosphate Signaling and the Regulation of Glycerolipid Homeostasis in Arabidopsis. <i>Plant and Cell Physiology</i> , 2019, 60, 1260-1273.	3.1	18
85	Plastidial acyl carrier protein 9 desaturase modulates eicosapentaenoic acid biosynthesis and triacylglycerol accumulation in <i>Phaeodactylum tricornutum</i> . <i>Plant Journal</i> , 2021, 106, 1247-1259.	5.7	18
86	Sequencing, <i>De Novo</i> Assembly, and Annotation of the Complete Genome of a New Thraustochytrid Species, Strain CCAP_4062/3. <i>Genome Announcements</i> , 2018, 6, .	0.8	17
87	Primary Endosymbiosis: Emergence of the Primary Chloroplast and the Chromatophore, Two Independent Events. <i>Methods in Molecular Biology</i> , 2018, 1829, 3-16.	0.9	16
88	Stepwise Biogenesis of Subpopulations of Lipid Droplets in Nitrogen Starved <i>Phaeodactylum tricornutum</i> Cells. <i>Frontiers in Plant Science</i> , 2020, 11, 48.	3.6	16
89	C1 Metabolism Inhibition and Nitrogen Deprivation Trigger Triacylglycerol Accumulation in <i>Arabidopsis thaliana</i> Cell Cultures and Highlight a Role of NPC in Phosphatidylcholine-to-Triacylglycerol Pathway. <i>Frontiers in Plant Science</i> , 2016, 07, 2014.	3.6	15
90	LARP6C orchestrates posttranscriptional reprogramming of gene expression during hydration to promote pollen tube guidance. <i>Plant Cell</i> , 2021, 33, 2637-2661.	6.6	15

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91	Fitting hidden Markov models of protein domains to a target species: application to <i>Plasmodium falciparum</i> . <i>BMC Bioinformatics</i> , 2012, 13, 67.	2.6	14
92	Illumina and PacBio DNA sequencing data, de novo assembly and annotation of the genome of <i>Aurantiochytrium limacinum</i> strain CCAP_4062/1. <i>Data in Brief</i> , 2020, 31, 105729.	1.0	14
93	PDAT regulates PE as transient carbon sink alternative to triacylglycerol in <i>Nannochloropsis</i> . <i>Plant Physiology</i> , 2022, 189, 1345-1362.	4.8	14
94	Assessing functional annotation transfers with inter-species conserved coexpression: application to <i>Plasmodium falciparum</i> . <i>BMC Genomics</i> , 2010, 11, 35.	2.8	13
95	Metabolic transformation of microalgae due to light acclimation and genetic modifications followed by laser ablation electrospray ionization mass spectrometry with ion mobility separation. <i>Analyst</i> , The, 2014, 139, 5945-5953.	3.5	13
96	Turnover rates in microorganisms by laser ablation electrospray ionization mass spectrometry and pulse-chase analysis. <i>Analytica Chimica Acta</i> , 2016, 902, 1-7.	5.4	13
97	Multiplexed CRISPR/Cas9 editing of the long-chain acyl-CoA synthetase family in the diatom <i>Phaeodactylum tricornutum</i> reveals that mitochondrial ptACSL3 is involved in the synthesis of storage lipids. <i>New Phytologist</i> , 2022, 233, 1797-1812.	7.3	13
98	Potential and limits of in silico target discovery—Case study of the search for new antimalarial chemotherapeutic targets. <i>Infection, Genetics and Evolution</i> , 2009, 9, 359-367.	2.3	12
99	Revisiting the expression and purification of MGD1, the major galactolipid synthase in <i>Arabidopsis</i> to establish a novel standard for biochemical and structural studies. <i>Biochimie</i> , 2013, 95, 700-708.	2.6	12
100	Lipid Droplets in Unicellular Photosynthetic Stramenopiles. <i>Frontiers in Plant Science</i> , 2021, 12, 639276.	3.6	12
101	Specific Targeting of Plant and Apicomplexa Parasite Tubulin through Differential Screening Using In Silico and Assay-Based Approaches. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3085.	4.1	10
102	Mechanism of activation of plant monogalactosyldiacylglycerol synthase 1 (MGD1) by phosphatidylglycerol. <i>Glycobiology</i> , 2020, 30, 396-406.	2.5	10
103	Discovery of Compounds Blocking the Proliferation of <i>Toxoplasma gondii</i> and <i>Plasmodium falciparum</i> in a Chemical Space Based on Piperidinyl-Benzimidazolone Analogs. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 2586-2597.	3.2	9
104	Biosynthesis of Long Chain Alkyl Diols and Long Chain Alkenols in <i>Nannochloropsis</i> spp. (<i>Eustigmatophyceae</i>). <i>Plant and Cell Physiology</i> , 2019, 60, 1666-1682.	3.1	9
105	The zoospores of the thraustochytrid <i>Aurantiochytrium limacinum</i> : Transcriptional reprogramming and lipid metabolism associated to their specific functions. <i>Environmental Microbiology</i> , 2020, 22, 1901-1916.	3.8	9
106	Characterization of the Bubblegum acyl-CoA synthetase of <i>Microchloropsis gaditana</i> . <i>Plant Physiology</i> , 2021, 185, 815-835.	4.8	9
107	Importance of diacylglycerol in glycerolipid biosynthesis by spinach chloroplast envelope membranes. <i>Progress in Lipid Research</i> , 1994, 33, 105-118.	11.6	8
108	EuPathDomains: The divergent domain database for eukaryotic pathogens. <i>Infection, Genetics and Evolution</i> , 2011, 11, 698-707.	2.3	8

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109	Consequences of Mixotrophy on Cell Energetic Metabolism in <i>Microchloropsis gaditana</i> Revealed by Genetic Engineering and Metabolic Approaches. <i>Frontiers in Plant Science</i> , 2021, 12, 628684.	3.6	8
110	Origin of cyanobacterial thylakoids via a non-vesicular glycolipid phase transition and their impact on the Great Oxygenation Event. <i>Journal of Experimental Botany</i> , 2022, 73, 2721-2734.	4.8	7
111	Lipid Trafficking in Plant Photosynthetic Cells. <i>Advances in Photosynthesis and Respiration</i> , 2009, , 349-372.	1.0	7
112	The configuration space of homologous proteins: A theoretical and practical framework to reduce the diversity of the protein sequence space after massive all-by-all sequence comparisons. <i>Future Generation Computer Systems</i> , 2007, 23, 410-427.	7.5	6
113	Structure and enzymatic degradation of the polysaccharide secreted by <i>Nostoc commune</i> . <i>Carbohydrate Research</i> , 2022, 515, 108544.	2.3	6
114	Marine and Freshwater Plants: Challenges and Expectations. <i>Frontiers in Plant Science</i> , 2019, 10, 1545.	3.6	5
115	Grand Challenges in Microalgae Domestication. <i>Frontiers in Plant Science</i> , 2021, 12, 764573.	3.6	5
116	The redox state of the plastoquinone (PQ) pool is connected to thylakoid lipid saturation in a marine diatom. <i>Photosynthesis Research</i> , 2022, 153, 71-82.	2.9	5
117	Editorial [Hot Topic: Chemogenomics: A Discipline at the Crossroad of High Throughput Technologies, Biomarker Research, Combinatorial Chemistry, Genomics, Cheminformatics, Bioinformatics and Artificial Intelligence Chemogenomics (Guest Editor: Eric Marechal)]. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2008, 11, 582-582.	1.1	4
118	An Oil Hyper-Accumulator Mutant Highlights Peroxisomal ATP Import as a Regulatory Step for Fatty Acid Metabolism in <i>Aurantiochytrium limacinum</i> . <i>Cells</i> , 2021, 10, 2680.	4.1	4
119	The selective biotin tagging and thermolysin proteolysis of chloroplast outer envelope proteins reveals information on protein topology and association into complexes. <i>Frontiers in Plant Science</i> , 2014, 5, 203.	3.6	3
120	Phylogeny and Sequence Space: A Combined Approach to Analyze the Evolutionary Trajectories of Homologous Proteins. The Case Study of Aminodeoxychorismate Synthase. <i>Acta Biotheoretica</i> , 2020, 68, 139-156.	1.5	2
121	The Puzzling Conservation and Diversification of Lipid Droplets from Bacteria to Eukaryotes. <i>Results and Problems in Cell Differentiation</i> , 2020, 69, 281-334.	0.7	2
122	The pharmacological screening process: the small molecule, the biological Screen, the robot, the signal and the information. , 2011, , 7-21.		1
123	Specific Role of Glycolipids in the Regular Stacking of Membranes Reconstituted from Thylakoid Lipid Extracts. <i>Biophysical Journal</i> , 2014, 106, 512a.	0.5	1
124	Chemical Genetics in Dissecting Membrane Glycerolipid Functions. <i>Sub-Cellular Biochemistry</i> , 2016, 86, 159-175.	2.4	1
125	Glycerolipid Biosynthesis and Chloroplast Biogenesis. <i>Advances in Photosynthesis and Respiration</i> , 2013, , 131-154.	1.0	1
126	Editorial: Lipids in Cyanobacteria, Algae, and Plants – From Biology to Biotechnology. <i>Frontiers in Plant Science</i> , 2021, 12, 834384.	3.6	1

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127	In silico Discovery of Chemotherapeutic Agents. , 2010, , 279-304.		0
128	From a Free-Living Cyanobacteria to an Obligate Endosymbiotic Organelle: Early Steps in Lipid Metabolism Integration in Paulinellidae. Plant and Cell Physiology, 2020, 61, 865-868.	3.1	0
129	Druggable Biochemical Targets: Facts and Fancies. , 2013, , 1-11.		0
130	Screening for Inhibitors of Chloroplast Galactolipid Synthesis Acting in Membrano and in Planta. Methods in Molecular Biology, 2014, 1056, 79-93.	0.9	0
131	Editorial: Ice and Snow Algae. Frontiers in Plant Science, 2022, 13, 868467.	3.6	0