

Eric MarÃ©chal

List of Publications by Year in descending order

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131
papers

6,014
citations

71061

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docs citations

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times ranked

6126
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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. | 2.4 | 7 |
| 2 | Editorial: Ice and Snow Algae. <i>Frontiers in Plant Science</i> , 2022, 13, 868467. | 1.7 | 0 |
| 3 | PDAT regulates PE as transient carbon sink alternative to triacylglycerol in <i>Nannochloropsis</i> . <i>Plant Physiology</i> , 2022, 189, 1345-1362. | 2.3 | 14 |
| 4 | 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. | 1.6 | 5 |
| 5 | Structure and enzymatic degradation of the polysaccharide secreted by <i>Nostoc commune</i> . <i>Carbohydrate Research</i> , 2022, 515, 108544. | 1.1 | 6 |
| 6 | 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. | 3.5 | 13 |
| 7 | Characterization of the Bubblegum acyl-CoA synthetase of <i>Microchloropsis gaditana</i> . <i>Plant Physiology</i> , 2021, 185, 815-835. | 2.3 | 9 |
| 8 | Lipid Droplets in Unicellular Photosynthetic Stramenopiles. <i>Frontiers in Plant Science</i> , 2021, 12, 639276. | 1.7 | 12 |
| 9 | Plastidial acyl carrier protein Δ^9 desaturase modulates eicosapentaenoic acid biosynthesis and triacylglycerol accumulation in <i>Phaeodactylum tricornutum</i> . <i>Plant Journal</i> , 2021, 106, 1247-1259. | 2.8 | 18 |
| 10 | 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. | 1.7 | 8 |
| 11 | LARP6C orchestrates posttranscriptional reprogramming of gene expression during hydration to promote pollen tube guidance. <i>Plant Cell</i> , 2021, 33, 2637-2661. | 3.1 | 15 |
| 12 | Altitudinal Zonation of Green Algae Biodiversity in the French Alps. <i>Frontiers in Plant Science</i> , 2021, 12, 679428. | 1.7 | 22 |
| 13 | Live single-cell transcriptional dynamics via RNA labelling during the phosphate response in plants. <i>Nature Plants</i> , 2021, 7, 1050-1064. | 4.7 | 27 |
| 14 | Grand Challenges in Microalgae Domestication. <i>Frontiers in Plant Science</i> , 2021, 12, 764573. | 1.7 | 5 |
| 15 | 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. | 1.8 | 4 |
| 16 | Editorial: Lipids in Cyanobacteria, Algae, and Plants – From Biology to Biotechnology. <i>Frontiers in Plant Science</i> , 2021, 12, 834384. | 1.7 | 1 |
| 17 | Relationship between acyl-lipid and sterol metabolisms in diatoms. <i>Biochimie</i> , 2020, 169, 3-11. | 1.3 | 24 |
| 18 | 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. | 0.7 | 2 |

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|----|--|-----|-----------|
| 19 | Unveiling membrane thermoregulation strategies in marine picocyanobacteria. <i>New Phytologist</i> , 2020, 225, 2396-2410. | 3.5 | 20 |
| 20 | The Mybâ€like transcription factor phosphorus starvation response (PtPSR) controls conditional P acquisition and remodelling in marine microalgae. <i>New Phytologist</i> , 2020, 225, 2380-2395. | 3.5 | 38 |
| 21 | The Puzzling Conservation and Diversification of Lipid Droplets from Bacteria to Eukaryotes. <i>Results and Problems in Cell Differentiation</i> , 2020, 69, 281-334. | 0.2 | 2 |
| 22 | 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. | 1.8 | 9 |
| 23 | Stepwise Biogenesis of Subpopulations of Lipid Droplets in Nitrogen Starved <i>Phaeodactylum tricornutum</i> Cells. <i>Frontiers in Plant Science</i> , 2020, 11, 48. | 1.7 | 16 |
| 24 | Mechanism of activation of plant monogalactosyldiacylglycerol synthase 1 (MGD1) by phosphatidylglycerol. <i>Glycobiology</i> , 2020, 30, 396-406. | 1.3 | 10 |
| 25 | From a Free-Living Cyanobacteria to an Obligate Endosymbiotic Organelle: Early Steps in Lipid Metabolism Integration in <i>Paulinellidae</i> . <i>Plant and Cell Physiology</i> , 2020, 61, 865-868. | 1.5 | 0 |
| 26 | 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. | 0.5 | 14 |
| 27 | The lipid metabolism in thraustochytrids. <i>Progress in Lipid Research</i> , 2019, 76, 101007. | 5.3 | 119 |
| 28 | 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. | 1.5 | 9 |
| 29 | Algal Remodeling in a Ubiquitous Planktonic Photosymbiosis. <i>Current Biology</i> , 2019, 29, 968-978.e4. | 1.8 | 45 |
| 30 | Interplay between Jasmonic Acid, Phosphate Signaling and the Regulation of Glycerolipid Homeostasis in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 1260-1273. | 1.5 | 18 |
| 31 | Marine and Freshwater Plants: Challenges and Expectations. <i>Frontiers in Plant Science</i> , 2019, 10, 1545. | 1.7 | 5 |
| 32 | The architecture of lipid droplets in the diatom <i>Phaeodactylum tricornutum</i> . <i>Algal Research</i> , 2019, 38, 101415. | 2.4 | 52 |
| 33 | Screening for Biologically Annotated Drugs That Trigger Triacylglycerol Accumulation in the Diatom <i>Phaeodactylum</i> . <i>Plant Physiology</i> , 2018, 177, 532-552. | 2.3 | 43 |
| 34 | 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 |
| 35 | Thermoacclimation and genome adaptation of the membrane lipidome in marine <i>Synechococcus</i> . <i>Environmental Microbiology</i> , 2018, 20, 612-631. | 1.8 | 39 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | 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. | 1.7 | 42 |
| 38 | Non-Enzymatic Synthesis of Bioactive Isoprostanoids in the Diatom <i>Phaeodactylum</i> following Oxidative Stress. <i>Plant Physiology</i> , 2018, 178, 1344-1357. | 2.3 | 34 |
| 39 | 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. | 1.8 | 10 |
| 40 | Proposal of a new thraustochytrid genus <i>Hondaea</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. | 2.4 | 55 |
| 41 | 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. | 1.7 | 40 |
| 42 | Primary Endosymbiosis: Emergence of the Primary Chloroplast and the Chromatophore, Two Independent Events. <i>Methods in Molecular Biology</i> , 2018, 1829, 3-16. | 0.4 | 16 |
| 43 | Ecophysiology and lipid dynamics of a eukaryotic mangrove decomposer. <i>Environmental Microbiology</i> , 2018, 20, 3057-3068. | 1.8 | 21 |
| 44 | Plastid thylakoid architecture optimizes photosynthesis in diatoms. <i>Nature Communications</i> , 2017, 8, 15885. | 5.8 | 93 |
| 45 | Tight cohesion between glycolipid membranes results from balanced water headgroup interactions. <i>Nature Communications</i> , 2017, 8, 14899. | 5.8 | 61 |
| 46 | Mechanisms of Phosphorus Acquisition and Lipid Class Remodeling under P Limitation in a Marine Microalga. <i>Plant Physiology</i> , 2017, 175, 1543-1559. | 2.3 | 74 |
| 47 | Nitric Oxide Mediates Nitrite-Sensing and Acclimation and Triggers a Remodeling of Lipids. <i>Plant Physiology</i> , 2017, 175, 1407-1423. | 2.3 | 38 |
| 48 | 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. | 1.8 | 85 |
| 49 | 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 |
| 50 | 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. | 1.1 | 74 |
| 51 | Chemical Genetics in Dissecting Membrane Glycerolipid Functions. <i>Sub-Cellular Biochemistry</i> , 2016, 86, 159-175. | 1.0 | 1 |
| 52 | Ultrastructure of the Periplastidial Compartment of the Diatom <i>Phaeodactylum tricornutum</i> . <i>Protist</i> , 2016, 167, 254-267. | 0.6 | 54 |
| 53 | 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 |
| 54 | Structural insights and membrane binding properties of MGD1, the major galactolipid synthase in plants. <i>Plant Journal</i> , 2016, 85, 622-633. | 2.8 | 22 |

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|----|--|-----|-----------|
| 55 | Turnover rates in microorganisms by laser ablation electrospray ionization mass spectrometry and pulse-chase analysis. <i>Analytica Chimica Acta</i> , 2016, 902, 1-7. | 2.6 | 13 |
| 56 | AtMic60 Is Involved in Plant Mitochondria Lipid Trafficking and Is Part of a Large Complex. <i>Current Biology</i> , 2016, 26, 627-639. | 1.8 | 81 |
| 57 | New Insights on Thylakoid Biogenesis in Plant Cells. <i>International Review of Cell and Molecular Biology</i> , 2016, 323, 1-30. | 1.6 | 27 |
| 58 | 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. | 2.3 | 60 |
| 59 | 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. | 1.7 | 15 |
| 60 | 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. | 2.1 | 47 |
| 61 | Levels of polyunsaturated fatty acids correlate with growth rate in plant cell cultures. <i>Scientific Reports</i> , 2015, 5, 15207. | 1.6 | 43 |
| 62 | Inventory of Fatty Acid Desaturases in the Pennate Diatom <i>Phaeodactylum tricornutum</i> . <i>Marine Drugs</i> , 2015, 13, 1317-1339. | 2.2 | 64 |
| 63 | 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. | 3.1 | 149 |
| 64 | Membrane Glycerolipid Remodeling Triggered by Nitrogen and Phosphorus Starvation in <i>Phaeodactylum tricornutum</i> . <i>Plant Physiology</i> , 2015, 167, 118-136. | 2.3 | 286 |
| 65 | 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. | 1.7 | 3 |
| 66 | Identification of Phosphatin, a Drug Alleviating Phosphate Starvation Responses in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2014, 166, 1479-1491. | 2.3 | 20 |
| 67 | Production and Analysis of Perdeuterated Lipids from <i>Pichia pastoris</i> Cells. <i>PLoS ONE</i> , 2014, 9, e92999. | 1.1 | 39 |
| 68 | Glycerolipids in photosynthesis: Composition, synthesis and trafficking. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 470-480. | 0.5 | 296 |
| 69 | 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. | 5.3 | 118 |
| 70 | Plastids with or without galactoglycerolipids. <i>Trends in Plant Science</i> , 2014, 19, 71-78. | 4.3 | 23 |
| 71 | 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. | 0.2 | 26 |
| 72 | 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. | 1.7 | 13 |

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|----|---|------|-----------|
| 73 | Contribution of galactoglycerolipids to the 3-dimensional architecture of thylakoids. <i>FASEB Journal</i> , 2014, 28, 3373-3383. | 0.2 | 139 |
| 74 | Modeling of regulatory loops controlling galactolipid biosynthesis in the inner envelope membrane of chloroplasts. <i>Journal of Theoretical Biology</i> , 2014, 361, 1-13. | 0.8 | 21 |
| 75 | Specific Role of Glycolipids in the Regular Stacking of Membranes Reconstituted from Thylakoid Lipid Extracts. <i>Biophysical Journal</i> , 2014, 106, 512a. | 0.2 | 1 |
| 76 | 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. | 1.4 | 9 |
| 77 | Screening for Inhibitors of Chloroplast Galactolipid Synthesis Acting in Membrano and in Planta. <i>Methods in Molecular Biology</i> , 2014, 1056, 79-93. | 0.4 | 0 |
| 78 | 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. | 3.3 | 117 |
| 79 | 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. | 1.3 | 12 |
| 80 | 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 |
| 81 | Glycerolipid Biosynthesis and Chloroplast Biogenesis. <i>Advances in Photosynthesis and Respiration</i> , 2013, , 131-154. | 1.0 | 1 |
| 82 | Druggable Biochemical Targets: Facts and Fancies. , 2013, , 1-11. | | 0 |
| 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. | 1.6 | 18 |
| 84 | 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 |
| 85 | <i>Plasmodium falciparum</i> Apicoplast Drugs: Targets or Off-Targets?. <i>Chemical Reviews</i> , 2012, 112, 1269-1283. | 23.0 | 81 |
| 86 | Role of phosphatidic acid in plant galactolipid synthesis. <i>Biochimie</i> , 2012, 94, 86-93. | 1.3 | 68 |
| 87 | Fitting hidden Markov models of protein domains to a target species: application to <i>Plasmodium falciparum</i> . <i>BMC Bioinformatics</i> , 2012, 13, 67. | 1.2 | 14 |
| 88 | The Biosynthetic Capacities of the Plastids and Integration Between Cytoplasmic and Chloroplast Processes. <i>Annual Review of Genetics</i> , 2012, 46, 233-264. | 3.2 | 115 |
| 89 | The apicoplast: a key target to cure malaria. <i>Current Pharmaceutical Design</i> , 2012, 18, 3490-504. | 0.9 | 20 |
| 90 | Chemical inhibitors of monogalactosyldiacylglycerol synthases in <i>Arabidopsis thaliana</i> . <i>Nature Chemical Biology</i> , 2011, 7, 834-842. | 3.9 | 74 |

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| 91 | Membrane lipidomics for the discovery of new antiparasitic drug targets. Trends in Parasitology, 2011, 27, 496-504. | 1.5 | 18 |
| 92 | EuPathDomains: The divergent domain database for eukaryotic pathogens. Infection, Genetics and Evolution, 2011, 11, 698-707. | 1.0 | 8 |
| 93 | Identification of Plant-like Galactolipids in Chromera velia, a Photosynthetic Relative of Malaria Parasites. Journal of Biological Chemistry, 2011, 286, 29893-29903. | 1.6 | 48 |
| 94 | The pharmacological screening process: the small molecule, the biological Screen, the robot, the signal and the information. , 2011, , 7-21. | | 1 |
| 95 | The Cyst-Dividing Bacterium Ramlibacter tataouinensis TTB310 Genome Reveals a Well-Stocked Toolbox for Adaptation to a Desert Environment. PLoS ONE, 2011, 6, e23784. | 1.1 | 47 |
| 96 | In silico Discovery of Chemotherapeutic Agents. , 2010, , 279-304. | | 0 |
| 97 | Assessing functional annotation transfers with inter-species conserved coexpression: application to Plasmodium falciparum. BMC Genomics, 2010, 11, 35. | 1.2 | 13 |
| 98 | Plant lipid-associated fibrillin proteins condition jasmonate production under photosynthetic stress. Plant Journal, 2010, 61, 436-445. | 2.8 | 105 |
| 99 | Rodent and nonrodent malaria parasites differ in their phospholipid metabolic pathways. Journal of Lipid Research, 2010, 51, 81-96. | 2.0 | 51 |
| 100 | Activation of the Chloroplast Monogalactosyldiacylglycerol Synthase MGD1 by Phosphatidic Acid and Phosphatidylglycerol. Journal of Biological Chemistry, 2010, 285, 6003-6011. | 1.6 | 102 |
| 101 | Detection of new protein domains using co-occurrence: application to <i>Plasmodium falciparum</i> . Bioinformatics, 2009, 25, 3077-3083. | 1.8 | 37 |
| 102 | Potential and limits of in silico target discovery—Case study of the search for new antimalarial chemotherapeutic targets. Infection, Genetics and Evolution, 2009, 9, 359-367. | 1.0 | 12 |
| 103 | Lipid Trafficking in Plant Photosynthetic Cells. Advances in Photosynthesis and Respiration, 2009, , 349-372. | 1.0 | 7 |
| 104 | Enhanced Antimalarial Activity of Novel Synthetic Aculeatin Derivatives. Journal of Medicinal Chemistry, 2008, 51, 4870-4873. | 2.9 | 31 |
| 105 | Subcellular localization and dynamics of a digalactolipid-like epitope in Toxoplasma gondii. Journal of Lipid Research, 2008, 49, 746-762. | 2.0 | 27 |
| 106 | Chemogenomics: A Discipline at the Crossroad of High Throughput Technologies, Biomarker Research, Combinatorial Chemistry, Genomics, Cheminformatics, Bioinformatics and Artificial Intelligence.. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 583-586. | 0.6 | 21 |
| 107 | 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)]. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 582-582. | 0.6 | 4 |
| 108 | Glycerolipid transfer for the building of membranes in plant cells. Progress in Lipid Research, 2007, 46, 37-55. | 5.3 | 134 |

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|-----|---|-----|-----------|
| 109 | Lipidomic Analysis of <i>Toxoplasma gondii</i> Reveals Unusual Polar Lipids. <i>Biochemistry</i> , 2007, 46, 13882-13890. | 1.2 | 70 |
| 110 | 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. | 4.9 | 6 |
| 111 | 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. | 0.8 | 18 |
| 112 | <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. | 1.7 | 78 |
| 113 | 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. | 1.2 | 23 |
| 114 | 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. | 1.6 | 38 |
| 115 | Construction of non-symmetric substitution matrices derived from proteomes with biased amino acid distributions. <i>Comptes Rendus - Biologies</i> , 2005, 328, 445-453. | 0.1 | 30 |
| 116 | Phosphate deprivation induces transfer of DGDG galactolipid from chloroplast to mitochondria. <i>Journal of Cell Biology</i> , 2004, 167, 863-874. | 2.3 | 235 |
| 117 | Fundamentals of massive automatic pairwise alignments of protein sequences: theoretical significance of Z-value statistics. <i>Bioinformatics</i> , 2004, 20, 534-537. | 1.8 | 33 |
| 118 | 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. | 1.0 | 35 |
| 119 | Transient increase of phosphatidylcholine in plant cells in response to phosphate deprivation. <i>FEBS Letters</i> , 2003, 544, 63-68. | 1.3 | 96 |
| 120 | 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. | 0.6 | 22 |
| 121 | Synthesis of Chloroplast Galactolipids in Apicomplexan Parasites. <i>Eukaryotic Cell</i> , 2002, 1, 653-656. | 3.4 | 51 |
| 122 | The plant S-adenosyl-L-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 |
| 123 | The apicoplast: a new member of the plastid family. <i>Trends in Plant Science</i> , 2001, 6, 200-205. | 4.3 | 90 |
| 124 | 1,2-sn-Diacylglycerol in plant cells: Product, substrate and regulator. <i>Plant Physiology and Biochemistry</i> , 1999, 37, 795-808. | 2.8 | 23 |
| 125 | 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 |
| 126 | Modulation of GT-1 DNA-binding activity by calcium-dependent phosphorylation. <i>Plant Molecular Biology</i> , 1999, 40, 373-386. | 2.0 | 42 |

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|-----|---|-----|-----------|
| 127 | The Biochemical Machinery of Plastid Envelope Membranes. <i>Plant Physiology</i> , 1998, 118, 715-723. | 2.3 | 168 |
| 128 | Lipid synthesis and metabolism in the plastid envelope. <i>Physiologia Plantarum</i> , 1997, 100, 65-77. | 2.6 | 85 |
| 129 | The Catalytic Site of Monogalactosyldiacylglycerol Synthase from Spinach Chloroplast Envelope Membranes. <i>Journal of Biological Chemistry</i> , 1995, 270, 5714-5722. | 1.6 | 34 |
| 130 | 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. | 1.3 | 24 |
| 131 | Importance of diacylglycerol in glycerolipid biosynthesis by spinach chloroplast envelope membranes. <i>Progress in Lipid Research</i> , 1994, 33, 105-118. | 5.3 | 8 |