

Wayne R Riekhof

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

4,340
citations

394421

19
h-index

610901

24
g-index

32
all docs

32
docs citations

32
times ranked

5893
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>Chlamydomonas</i> Genome Reveals the Evolution of Key Animal and Plant Functions. <i>Science</i> , 2007, 318, 245-250.	12.6	2,354
2	Metabolism of acyl lipids in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2015, 82, 504-522.	5.7	230
3	A permease-like protein involved in ER to thylakoid lipid transfer in Arabidopsis. <i>EMBO Journal</i> , 2003, 22, 2370-2379.	7.8	206
4	Molecular and Biochemical Characterization of a Cytokinin Oxidase from Maize. <i>Plant Physiology</i> , 2001, 125, 378-386.	4.8	195
5	Annotation of Genes Involved in Glycerolipid Biosynthesis in <i>Chlamydomonas reinhardtii</i> : Discovery of the Betaine Lipid Synthase BTA1 Cr. <i>Eukaryotic Cell</i> , 2005, 4, 242-252.	3.4	190
6	Lysophospholipid Acyltransferases and Arachidonate Recycling in Human Neutrophils. <i>Journal of Biological Chemistry</i> , 2008, 283, 30235-30245.	3.4	178
7	Identification and Characterization of the Major Lysophosphatidylethanolamine Acyltransferase in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 28344-28352.	3.4	149
8	Lysophosphatidylcholine Metabolism in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 36853-36861.	3.4	107
9	Uptake and Utilization of Lyso-phosphatidylethanolamine by <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 36588-36596.	3.4	96
10	The Sulfolipids 2-O-Acyl-Sulfoquinovosyldiacylglycerol and Sulfoquinovosyldiacylglycerol Are Absent from a <i>Chlamydomonas reinhardtii</i> Mutant Deleted in SQD1 Å. <i>Plant Physiology</i> , 2003, 133, 864-874.	4.8	92
11	EST-analysis of the thermo-acidophilic red microalga <i>Galdieria sulphuraria</i> reveals potential for lipid A biosynthesis and unveils the pathway of carbon export from rhodoplasts. <i>Plant Molecular Biology</i> , 2004, 55, 17-32.	3.9	91
12	Phosphate Starvation in Fungi Induces the Replacement of Phosphatidylcholine with the Phosphorus-Free Betaine Lipid Diacylglycerol- N , N , N -Trimethylhomoserine. <i>Eukaryotic Cell</i> , 2014, 13, 749-757.	3.4	64
13	Glutathione Transport Is a Unique Function of the ATP-binding Cassette Protein ABCG2. <i>Journal of Biological Chemistry</i> , 2010, 285, 16582-16587.	3.4	62
14	Endoplasmic reticulum acyltransferase with prokaryotic substrate preference contributes to triacylglycerol assembly in <i>Chlamydomonas</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1652-1657.	7.1	53
15	Two enzymes, BtaA and BtaB, are sufficient for betaine lipid biosynthesis in bacteria. <i>Archives of Biochemistry and Biophysics</i> , 2005, 441, 96-105.	3.0	48
16	Integration of biology, ecology and engineering for sustainable algal-based biofuel and bioproduct biorefinery. <i>Bioresources and Bioprocessing</i> , 2018, 5, .	4.2	41
17	An Assembly of Proteins and Lipid Domains Regulates Transport of Phosphatidylserine to Phosphatidylserine Decarboxylase 2 in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 5809-5819.	3.4	31
18	The yeast plasma membrane P4-ATPases are major transporters for lysophospholipids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 620-627.	2.4	27

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19	Transport of Phosphatidylserine from the Endoplasmic Reticulum to the Site of Phosphatidylserine Decarboxylase2 in Yeast. <i>Traffic</i> , 2015, 16, 123-134.	2.7	27
20	Molecular machinery of auxin synthesis, secretion, and perception in the unicellular chlorophyte alga <i>Chlorella sorokiniana</i> UTEX 1230. <i>PLoS ONE</i> , 2018, 13, e0205227.	2.5	18
21	A High-Throughput Fatty Acid Profiling Screen Reveals Novel Variations in Fatty Acid Biosynthesis in <i>Chlamydomonas reinhardtii</i> and Related Algae. <i>Eukaryotic Cell</i> , 2014, 13, 1431-1438.	3.4	15
22	Glycerolipid Biosynthesis. , 2009, , 41-68.		14
23	Comparative genomics, transcriptomics, and physiology distinguish symbiotic from free-living <i>Chlorella</i> strains. <i>Algal Research</i> , 2016, 18, 332-340.	4.6	14
24	Lichens and biofilms: Common collective growth imparts similar developmental strategies. <i>Algal Research</i> , 2021, 54, 102217.	4.6	13
25	Sterol Biosynthesis in Four Green Algae: A Bioinformatic Analysis of the Ergosterol Versus Phytosterol Decision Point. <i>Journal of Phycology</i> , 2021, 57, 1199-1211.	2.3	10