Maryse A Block

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3691917/publications.pdf

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37	3,405	218677	345221
papers	citations	26 h-index	36 g-index

37	37	37	3668
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A genome-wide transcriptional analysis using Arabidopsis thaliana Affymetrix gene chips determined plant responses to phosphate deprivation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11934-11939.	7.1	834
2	Glycerolipids in photosynthesis: Composition, synthesis and trafficking. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 470-480.	1.0	296
3	Membrane Glycerolipid Remodeling Triggered by Nitrogen and Phosphorus Starvation inPhaeodactylum tricornutum. Plant Physiology, 2015, 167, 118-136.	4.8	286
4	Phosphate deprivation induces transfer of DGDG galactolipid from chloroplast to mitochondria. Journal of Cell Biology, 2004, 167, 863-874.	5.2	235
5	Contribution of galactoglycerolipids to the 3â€dimensional architecture of thylakoids. FASEB Journal, 2014, 28, 3373-3383.	0.5	139
6	Glycerolipid transfer for the building of membranes in plant cells. Progress in Lipid Research, 2007, 46, 37-55.	11.6	134
7	Chloroplast envelope membranes: a dynamic interface between plastids and the cytosol. Photosynthesis Research, 2007, 92, 225-244.	2.9	134
8	Evolution of galactoglycerolipid biosynthetic pathways â€“ From cyanobacteria to primary plastids and from primary to secondary plastids. Progress in Lipid Research, 2014, 54, 68-85.	11.6	118
9	Biochemical and topological properties of type A MGDG synthase, a spinach chloroplast envelope enzyme catalyzing the synthesis of both prokaryotic and eukaryotic MGDG. FEBS Journal, 1999, 265, 990-1001.	0.2	114
10	Activation of the Chloroplast Monogalactosyldiacylglycerol Synthase MGD1 by Phosphatidic Acid and Phosphatidylglycerol. Journal of Biological Chemistry, 2010, 285, 6003-6011.	3.4	102
11	Transient increase of phosphatidylcholine in plant cells in response to phosphate deprivation. FEBS Letters, 2003, 544, 63-68.	2.8	96
12	Lipid trafficking at endoplasmic reticulumâ€“chloroplast membrane contact sites. Current Opinion in Cell Biology, 2015, 35, 21-29.	5.4	86
13	The plant S -adenosyl-l -methionine:Mg-protoporphyrin IX methyltransferase is located in both envelope and thylakoid chloroplast membranes. FEBS Journal, 2002, 269, 240-248.	0.2	83
14	AtMic60 Is Involved in Plant Mitochondria Lipid Trafficking and Is Part of a Large Complex. Current Biology, 2016, 26, 627-639.	3.9	81
15	Chemical inhibitors of monogalactosyldiacylglycerol synthases in Arabidopsis thaliana. Nature Chemical Biology, 2011, 7, 834-842.	8.0	74
16	Role of phosphatidic acid in plant galactolipid synthesis. Biochimie, 2012, 94, 86-93.	2.6	68
17	ALA10, a Phospholipid Flippase, Controls FAD2/FAD3 Desaturation of Phosphatidylcholine in the ER and Affects Chloroplast Lipid Composition in Arabidopsis thaliana. Plant Physiology, 2016, 170, 1300-1314.	4.8	60
18	Phosphate availability affects the tonoplast localization of PLDÎ¶2, an Arabidopsis thaliana phospholipase D. FEBS Letters, 2008, 582, 685-690.	2.8	50

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19	Importance of phosphatidylcholine on the chloroplast surface. Progress in Lipid Research, 2017, 65, 12-23.	11.6	46
20	Levels of polyunsaturated fatty acids correlate with growth rate in plant cell cultures. Scientific Reports, 2015, 5, 15207.	3.3	43
21	Protein-mediated transfer of phosphatidylcholine from liposomes to spinach chloroplast envelope membranes. Biochimica Et Biophysica Acta - Biomembranes, 1988, 937, 219-228.	2.6	40
22	Do Galactolipid Synthases Play a Key Role in the Biogenesis of Chloroplast Membranes of Higher Plants?. Frontiers in Plant Science, 2018, 9, 126.	3.6	40
23	Localization of galactolipid: galactolipid galactosyltransferase and acyltransferase in outer envelope membrane of spinach chloroplasts. Lipids and Lipid Metabolism, 1986, 877, 281-289.	2.6	39
24	The Catalytic Site of Monogalactosyldiacylglycerol Synthase from Spinach Chloroplast Envelope Membranes. Journal of Biological Chemistry, 1995, 270, 5714-5722.	3.4	34
25	Galvestine-1, a novel chemical probe for the study of the glycerolipid homeostasis system in plant cells. Molecular BioSystems, 2012, 8, 2023.	2.9	34
26	New Insights on Thylakoid Biogenesis in Plant Cells. International Review of Cell and Molecular Biology, 2016, 323, 1-30.	3.2	27
27	The influence of lipids on MGD1 membrane binding highlights novel mechanisms for galactolipid biosynthesis regulation in chloroplasts. FASEB Journal, 2014, 28, 3114-3123.	0.5	26
28	Comparison of the kinetic properties of MGDG synthase in mixed micelles and in envelope membranes from spinach chloroplast. FEBS Letters, 1994, 352, 307-310.	2.8	24
29	Structural insights and membrane binding properties of <scp>MGD</scp>1, the major galactolipid synthase in plants. Plant Journal, 2016, 85, 622-633.	5.7	22
30	Interplay between Jasmonic Acid, Phosphate Signaling and the Regulation of Glycerolipid Homeostasis in Arabidopsis. Plant and Cell Physiology, 2019, 60, 1260-1273.	3.1	18
31	Lipid Trafficking in Plant Photosynthetic Cells. Advances in Photosynthesis and Respiration, 2009, , 349-372.	1.0	7
32	PUB11-Dependent Ubiquitination of the Phospholipid Flippase ALA10 Modifies ALA10 Localization and Affects the Pool of Linolenic Phosphatidylcholine. Frontiers in Plant Science, 2020, 11, 1070.	3.6	6
33	The selective biotin tagging and thermolysin proteolysis of chloroplast outer envelope proteins reveals information on protein topology and association into complexes. Frontiers in Plant Science, 2014, 5, 203.	3.6	3
34	Isolation of Inner and Outer Membranes of the Chloroplast Envelope from Spinach and Pea. Methods in Molecular Biology, 2018, 1829, 137-144.	0.9	3
35	Purification of Chloroplasts and Chloroplast Subfractions: Envelope, Thylakoids, and Stromaâ€"From Spinach, Pea, and Arabidopsis thaliana. Methods in Molecular Biology, 2018, 1829, 123-135.	0.9	2
36	Glycerolipid Biosynthesis and Chloroplast Biogenesis. Advances in Photosynthesis and Respiration, 2013, , 131-154.	1.0	1

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37	In Vitro Protein Import into Isolated Chloroplasts. Methods in Molecular Biology, 2018, 1829, 165-171.	0.9	0