

# Maryse A Block

## List of Publications by Year in descending order

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37  
papers

3,405  
citations

218677

26  
h-index

345221

36  
g-index

37  
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37  
docs citations

37  
times ranked

3668  
citing authors

#	ARTICLE	IF	CITATIONS
1	PUB11-Dependent Ubiquitination of the Phospholipid Flippase ALA10 Modifies ALA10 Localization and Affects the Pool of Linolenic Phosphatidylcholine. <i>Frontiers in Plant Science</i> , 2020, 11, 1070.	3.6	6
2	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
3	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
4	Isolation of Inner and Outer Membranes of the Chloroplast Envelope from Spinach and Pea. <i>Methods in Molecular Biology</i> , 2018, 1829, 137-144.	0.9	3
5	Purification of Chloroplasts and Chloroplast Subfractions: Envelope, Thylakoids, and Stroma From Spinach, Pea, and Arabidopsis thaliana. <i>Methods in Molecular Biology</i> , 2018, 1829, 123-135.	0.9	2
6	In Vitro Protein Import into Isolated Chloroplasts. <i>Methods in Molecular Biology</i> , 2018, 1829, 165-171.	0.9	0
7	Importance of phosphatidylcholine on the chloroplast surface. <i>Progress in Lipid Research</i> , 2017, 65, 12-23.	11.6	46
8	Structural insights and membrane binding properties of MGD1, the major galactolipid synthase in plants. <i>Plant Journal</i> , 2016, 85, 622-633.	5.7	22
9	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
10	New Insights on Thylakoid Biogenesis in Plant Cells. <i>International Review of Cell and Molecular Biology</i> , 2016, 323, 1-30.	3.2	27
11	ALA10, a Phospholipid Flippase, Controls FAD2/FAD3 Desaturation of Phosphatidylcholine in the ER and Affects Chloroplast Lipid Composition in Arabidopsis thaliana. <i>Plant Physiology</i> , 2016, 170, 1300-1314.	4.8	60
12	Levels of polyunsaturated fatty acids correlate with growth rate in plant cell cultures. <i>Scientific Reports</i> , 2015, 5, 15207.	3.3	43
13	Lipid trafficking at endoplasmic reticulum-chloroplast membrane contact sites. <i>Current Opinion in Cell Biology</i> , 2015, 35, 21-29.	5.4	86
14	Membrane Glycerolipid Remodeling Triggered by Nitrogen and Phosphorus Starvation in Phaeodactylum tricornutum. <i>Plant Physiology</i> , 2015, 167, 118-136.	4.8	286
15	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
16	Glycerolipids in photosynthesis: Composition, synthesis and trafficking. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 470-480.	1.0	296
17	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
18	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

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19	Contribution of galactoglycerolipids to the 3-dimensional architecture of thylakoids. <i>FASEB Journal</i> , 2014, 28, 3373-3383.	0.5	139
20	Glycerolipid Biosynthesis and Chloroplast Biogenesis. <i>Advances in Photosynthesis and Respiration</i> , 2013, , 131-154.	1.0	1
21	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
22	Role of phosphatidic acid in plant galactolipid synthesis. <i>Biochimie</i> , 2012, 94, 86-93.	2.6	68
23	Chemical inhibitors of monogalactosyldiacylglycerol synthases in <i>Arabidopsis thaliana</i> . <i>Nature Chemical Biology</i> , 2011, 7, 834-842.	8.0	74
24	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
25	Lipid Trafficking in Plant Photosynthetic Cells. <i>Advances in Photosynthesis and Respiration</i> , 2009, , 349-372.	1.0	7
26	Phosphate availability affects the tonoplast localization of PLD $\beta$ 2, an <i>Arabidopsis thaliana</i> phospholipase D. <i>FEBS Letters</i> , 2008, 582, 685-690.	2.8	50
27	Glycerolipid transfer for the building of membranes in plant cells. <i>Progress in Lipid Research</i> , 2007, 46, 37-55.	11.6	134
28	Chloroplast envelope membranes: a dynamic interface between plastids and the cytosol. <i>Photosynthesis Research</i> , 2007, 92, 225-244.	2.9	134
29	A genome-wide transcriptional analysis using <i>Arabidopsis thaliana</i> Affymetrix gene chips determined plant responses to phosphate deprivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11934-11939.	7.1	834
30	Phosphate deprivation induces transfer of DGDG galactolipid from chloroplast to mitochondria. <i>Journal of Cell Biology</i> , 2004, 167, 863-874.	5.2	235
31	Transient increase of phosphatidylcholine in plant cells in response to phosphate deprivation. <i>FEBS Letters</i> , 2003, 544, 63-68.	2.8	96
32	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
33	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
34	The Catalytic Site of Monogalactosyldiacylglycerol Synthase from Spinach Chloroplast Envelope Membranes. <i>Journal of Biological Chemistry</i> , 1995, 270, 5714-5722.	3.4	34
35	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
36	Protein-mediated transfer of phosphatidylcholine from liposomes to spinach chloroplast envelope membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 937, 219-228.	2.6	40

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37	Localization of galactolipid: galactolipid galactosyltransferase and acyltransferase in outer envelope membrane of spinach chloroplasts. <i>Lipids and Lipid Metabolism</i> , 1986, 877, 281-289.	2.6	39