Annie Frelet-Barrand

List of Publications by Year
in descending order

21 papers	7,929 citations	687363 13 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	13512 citing authors

#	Article	IF	Citations
1	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. Journal of Extracellular Vesicles, 2018, 7, 1535750.	12.2	6,961
2	The plant multidrug resistance ABC transporter AtMRP5 is involved in guard cell hormonal signalling and water use. Plant Journal, 2003, 33, 119-129.	5.7	185
3	The Arabidopsis ATP-binding Cassette Protein AtMRP5/AtABCC5 Is a High Affinity Inositol Hexakisphosphate Transporter Involved in Guard Cell Signaling and Phytate Storage. Journal of Biological Chemistry, 2009, 284, 33614-33622.	3.4	177
4	The ATP Binding Cassette Transporter AtMRP5 Modulates Anion and Calcium Channel Activities in Arabidopsis Guard Cells. Journal of Biological Chemistry, 2007, 282, 1916-1924.	3.4	117
5	Heterologous Expression of Membrane Proteins: Choosing the Appropriate Host. PLoS ONE, 2011, 6, e29191.	2.5	109
6	Insight in eukaryotic ABC transporter function by mutation analysis. FEBS Letters, 2006, 580, 1064-1084.	2.8	73
7	Comparative Mutant Analysis of Arabidopsis ABCC-Type ABC Transporters: AtMRP2 Contributes to Detoxification, Vacuolar Organic Anion Transport and Chlorophyll Degradation. Plant and Cell Physiology, 2008, 49, 557-569.	3.1	66
8	HMA1 and PAA1, two chloroplast-envelope PIB-ATPases, play distinct roles in chloroplast copper homeostasis. Journal of Experimental Botany, 2014, 65, 1529-1540.	4.8	60
9	The NOS-like protein from the microalgae Ostreococcus tauri is a genuine and ultrafast NO-producing enzyme. Plant Science, 2017, 265, 100-111.	3.6	43
10	Lactococcus lactis, an Alternative System for Functional Expression of Peripheral and Intrinsic Arabidopsis Membrane Proteins. PLoS ONE, 2010, 5, e8746.	2.5	33
11	Membrane Protein Expression in Lactococcus lactis. Methods in Molecular Biology, 2010, 601, 67-85.	0.9	23
12	High-Chloride Concentrations Abolish the Binding of Adenine Nucleotides in the Mitochondrial ADP/ATP Carrier Family. Biophysical Journal, 2009, 97, L25-L27.	0.5	20
13	Expression of a chloroplast ATP/ADP transporter in E. coli membranes: Behind the Mistic strategy. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2059-2066.	2.6	18
14	Ectopic Neo-Formed Intracellular Membranes in Escherichia coli: A Response to Membrane Protein-Induced Stress Involving Membrane Curvature and Domains. Biomolecules, 2018, 8, 88.	4.0	13
15	Oligomeric Status and Nucleotide Binding Properties of the Plastid ATP/ADP Transporter 1: Toward a Molecular Understanding of the Transport Mechanism. PLoS ONE, 2012, 7, e32325.	2.5	9
16	Lactococcus lactis, an Attractive Cell Factory for the Expression of Functional Membrane Proteins. Biomolecules, 2022, 12, 180.	4.0	7
17	Lactococcus lactis is an Efficient Expression System for Mammalian Membrane Proteins Involved in Liver Detoxification, CYP3A4, and MGST1. Molecular Biotechnology, 2016, 58, 299-310.	2.4	6
18	Lactococcus lactis: Recent Developments in Functional Expression of Membrane Proteins. , 2014, , 107-132.		4

#	Article	IF	Citations
19	Membrane Protein Production in Lactococcus lactis for Functional Studies. Methods in Molecular Biology, 2016, 1432, 79-101.	0.9	2
20	Optical Spectroscopy Methods to Monitor Cells and Bacteria Concentrations and to Detect Contamination During Cell Culture: Application to the Fabrication of ATMPs. Communications in Computer and Information Science, 2021, , 53-75.	0.5	2
21	Functional Expression of Plant Membrane Proteins in Lactococcus lactis. Methods in Molecular Biology, 2015, 1258, 147-165.	0.9	1