Annie Frelet-Barrand

List of Publications by Citations

20 papers	4,424 citations	13 h-index	21 g-index
21 ext. papers	6,279 ext. citations	4.3 avg, IF	3.49 L-index

#	Paper	IF	Citations
20	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	16.4	3642
19	The plant multidrug resistance ABC transporter AtMRP5 is involved in guard cell hormonal signalling and water use. *Plant Journal*, **2003**, 33, 119-29	6.9	146
18	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, 33614-22	5.4	145
17	Heterologous expression of membrane proteins: choosing the appropriate host. *PLoS ONE*, **2011**, 6, e29191	3.7	94
16	The ATP binding cassette transporter AtMRP5 modulates anion and calcium channel activities in Arabidopsis guard cells. *Journal of Biological Chemistry*, **2007**, 282, 1916-24	5.4	92
15	Insight in eukaryotic ABC transporter function by mutation analysis. *FEBS Letters*, **2006**, 580, 1064-84	3.8	62
14	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, 557-69	4.9	55
13	HMA1 and PAA1, two chloroplast-envelope PIB-ATPases, play distinct roles in chloroplast copper homeostasis. *Journal of Experimental Botany*, **2014**, 65, 1529-40	7	50
12	Lactococcus lactis, an alternative system for functional expression of peripheral and intrinsic Arabidopsis membrane proteins. *PLoS ONE*, **2010**, 5, e8746	3.7	31
11	The NOS-like protein from the microalgae Ostreococcus tauri is a genuine and ultrafast NO-producing enzyme. *Plant Science*, **2017**, 265, 100-111	5.3	27
10	Membrane protein expression in Lactococcus lactis. *Methods in Molecular Biology*, **2010**, 601, 67-85	1.4	20
9	Expression of a chloroplast ATP/ADP transporter in E. coli membranes: behind the Mistic strategy. *Biochimica Et Biophysica Acta - Biomembranes*, **2011**, 1808, 2059-66	3.8	17
8	High-chloride concentrations abolish the binding of adenine nucleotides in the mitochondrial ADP/ATP carrier family. *Biophysical Journal*, **2009**, 97, L25-7	2.9	16
7	Ectopic Neo-Formed Intracellular Membranes in : A Response to Membrane Protein-Induced Stress Involving Membrane Curvature and Domains. *Biomolecules*, **2018**, 8,	5.9	8
6	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	3.7	7
5	Lactococcus lactis is an Efficient Expression System for Mammalian Membrane Proteins Involved in Liver Detoxification, CYP3A4, and MGST1. *Molecular Biotechnology*, **2016**, 58, 299-310	3	5
4	Lactococcus lactis: Recent Developments in Functional Expression of Membrane Proteins **2014**, 107-132		3

List of Publications

3	Membrane Protein Production in Lactococcus lactis for Functional Studies. *Methods in Molecular Biology*, **2016**, 1432, 79-101	1.4	2
2	Functional expression of plant membrane proteins in Lactococcus lactis. *Methods in Molecular Biology*, **2015**, 1258, 147-65	1.4	1
1	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	0.3	0