

# Cyrille Forestier

## List of Publications by Year in descending order

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31  
papers

4,131  
citations

331670

21  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

4470  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal toxicity: cadmium permeates through calcium channels and disturbs the plant water status. <i>Plant Journal</i> , 2002, 32, 539-548.	5.7	665
2	Plant ABC proteins – a unified nomenclature and updated inventory. <i>Trends in Plant Science</i> , 2008, 13, 151-159.	8.8	652
3	Multifunctionality of plant ABC transporters – more than just detoxifiers. <i>Planta</i> , 2002, 214, 345-355.	3.2	394
4	Engineering tolerance and accumulation of lead and cadmium in transgenic plants. <i>Nature Biotechnology</i> , 2003, 21, 914-919.	17.5	381
5	Genome-wide transcriptome profiling of the early cadmium response of Arabidopsis roots and shoots. <i>Biochimie</i> , 2006, 88, 1751-1765.	2.6	335
6	Involvement of CjMDR1, a plant multidrug-resistance-type ATP-binding cassette protein, in alkaloid transport in <i>Coptis japonica</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 751-756.	7.1	256
7	The Arabidopsis thaliana ABC transporter AtMRP5 controls root development and stomata movement. <i>EMBO Journal</i> , 2001, 20, 1875-1887.	7.8	206
8	The plant multidrug resistance ABC transporter AtMRP5 is involved in guard cell hormonal signalling and water use. <i>Plant Journal</i> , 2003, 33, 119-129.	5.7	185
9	Inventory and Comparative Analysis of Rice and Arabidopsis ATP-binding Cassette (ABC) Systems. <i>Journal of Molecular Biology</i> , 2004, 343, 249-265.	4.2	160
10	The ATP Binding Cassette Transporter AtMRP5 Modulates Anion and Calcium Channel Activities in Arabidopsis Guard Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 1916-1924.	3.4	117
11	Heavy metal transport by AtHMA4 involves the N-terminal degenerated metal binding domain and the C-terminal His11 stretch. <i>FEBS Letters</i> , 2005, 579, 1515-1522.	2.8	106
12	A Common Highly Conserved Cadmium Detoxification Mechanism from Bacteria to Humans. <i>Journal of Biological Chemistry</i> , 2009, 284, 4936-4943.	3.4	95
13	ATP Binding Cassette Modulators Control Abscisic Acid-Regulated Slow Anion Channels in Guard Cells. <i>Plant Cell</i> , 1999, 11, 1141-1151.	6.6	76
14	AtMRP6/AtABCC6, an ATP-Binding Cassette transporter gene expressed during early steps of seedling development and up-regulated by cadmium in Arabidopsis thaliana. <i>BMC Plant Biology</i> , 2008, 8, 22.	3.6	75
15	Characterization of <i>Coptis japonica</i> CjABCB2, an ATP-binding cassette protein involved in alkaloid transport. <i>Phytochemistry</i> , 2013, 91, 109-116.	2.9	71
16	Evidence for the existence of a sulfonylurea-receptor-like protein in plants: Modulation of stomatal movements and guard cell potassium channels by sulfonylureas and potassium channel openers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 14156-14161.	7.1	63
17	Chloroplast targeting of phytochelatin synthase in Arabidopsis: effects on heavy metal tolerance and accumulation. <i>Biochimie</i> , 2006, 88, 1743-1750.	2.6	61
18	Pharmacological properties of slow anion currents in intact guard cells of Arabidopsis . Application of the discontinuous single-electrode voltage-clamp to different species. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 436, 920-927.	2.8	38

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19	Modification by protons of frog skeletal muscle KATP channels: effects on ion conduction and nucleotide inhibition.. Journal of Physiology, 1995, 486, 629-645.	2.9	34
20	Metal(loid)s and Radionuclides cytotoxicity in Saccharomyces cerevisiae. Role of YCF1, glutathione and effect of buthionine sulfoximine. Biochimie, 2006, 88, 1651-1663.	2.6	32
21	Mechanism of action of K channel openers on skeletal muscle KATP channels. Interactions with nucleotides and protons.. Journal of General Physiology, 1996, 107, 489-502.	1.9	26
22	Differential sensitivity of plant and yeast MRP (ABCC)-mediated organic anion transport processes towards sulfonylureas. FEBS Letters, 2003, 554, 23-29.	2.8	16
23	Antibodies to the CFTR modulate the turgor pressure of guard cell protoplasts via slow anion channels. FEBS Letters, 2001, 494, 15-18.	2.8	14
24	Molecular characterization of three Arabidopsis soluble ABC proteins which expression is induced by sugars. Plant Science, 2006, 171, 84-90.	3.6	14
25	A reassessment of the intervention of calmodulin in the regulation of stomatal movement. Physiologia Plantarum, 1996, 98, 619-628.	5.2	13
26	Cloning of AtMRP1, an Arabidopsis thaliana cDNA encoding a homologue of the mammalian multidrug resistance-associated protein. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1369, 7-13.	2.6	13
27	A reassessment of the intervention of calmodulin in the regulation of stomatal movement. Physiologia Plantarum, 1996, 98, 619-628.	5.2	12
28	Intracellular protons control the affinity of skeletal muscle ATP-sensitive K <sup>+</sup> channels for potassium-channel-openers. FEBS Letters, 1993, 325, 276-280.	2.8	10
29	Transport of antimony salts by Arabidopsis thaliana protoplasts over-expressing the human multidrug resistance-associated protein 1 (MRP1/ABCC1). FEBS Letters, 2006, 580, 6891-6897.	2.8	9
30	ATP Binding Cassette Modulators Control Abscisic Acid-Regulated Slow Anion Channels in Guard Cells. Plant Cell, 1999, 11, 1141.	6.6	1
31	Partial Inventory of ABCB and ABCC Transporter Genes Responding to Cadmium and Zinc Contamination in Zebrafish Danio Rerio. , 2014, 05, .		0