

AurÃ©lien Boisson-Dernier

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,886
citations

279798

23
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

4471
citing authors

#	ARTICLE	IF	CITATIONS
1	Agrobacterium rhizogenes-Transformed Roots of Medicago truncatula for the Study of Nitrogen-Fixing and Endomycorrhizal Symbiotic Associations. Molecular Plant-Microbe Interactions, 2001, 14, 695-700.	2.6	652
2	Carbonic anhydrases are upstream regulators of CO ₂ -controlled stomatal movements in guard cells. Nature Cell Biology, 2010, 12, 87-93.	10.3	364
3	Arabidopsis SOMATIC EMBRYOGENESIS RECEPTOR KINASES1 and 2 Are Essential for Tapetum Development and Microspore Maturation. Plant Cell, 2005, 17, 3350-3361.	6.6	283
4	Disruption of the pollen-expressed FERONIA homologs ANXUR1 and ANXUR2 triggers pollen tube discharge. Development (Cambridge), 2009, 136, 3279-3288.	2.5	273
5	The Protein Phosphatase AtPP2CA Negatively Regulates Abscisic Acid Signal Transduction in Arabidopsis, and Effects of abh1 on AtPP2CA mRNA. Plant Physiology, 2006, 140, 127-139.	4.8	252
6	ANXUR Receptor-Like Kinases Coordinate Cell Wall Integrity with Growth at the Pollen Tube Tip Via NADPH Oxidases. PLoS Biology, 2013, 11, e1001719.	5.6	242
7	RALF4/19 peptides interact with LRX proteins to control pollen tube growth in Arabidopsis. Science, 2017, 358, 1600-1603.	12.6	239
8	Plant Malectin-Like Receptor Kinases: From Cell Wall Integrity to Immunity and Beyond. Annual Review of Plant Biology, 2018, 69, 301-328.	18.7	195
9	AP2-ERF Transcription Factors Mediate Nod Factor-Dependent MtENOD11 Activation in Root Hairs via a Novel cis-Regulatory Motif. Plant Cell, 2007, 19, 2866-2885.	6.6	191
10	CrRLK1L receptor-like kinases: not just another brick in the wall. Current Opinion in Plant Biology, 2012, 15, 659-669.	7.1	178
11	The walls have ears: the role of plant CrRLK1Ls in sensing and transducing extracellular signals. Journal of Experimental Botany, 2011, 62, 1581-1591.	4.8	133
12	Receptor-like cytoplasmic kinase MARIS functions downstream of CrRLK1L-dependent signaling during tip growth. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12211-12216.	7.1	125
13	The Peroxin Loss-of-Function Mutation abstinence by mutual consent Disrupts Male-Female Gametophyte Recognition. Current Biology, 2008, 18, 63-68.	3.9	116
14	The pollen tube: a soft shell with a hard core. Plant Journal, 2013, 73, 617-627.	5.7	106
15	Differential Regulation of Two-Tiered Plant Immunity and Sexual Reproduction by ANXUR Receptor-Like Kinases. Plant Cell, 2017, 29, 3140-3156.	6.6	89
16	A hypermorphic mutation in the protein phosphatase 2C HAB1 strongly affects ABA signaling in Arabidopsis. FEBS Letters, 2006, 580, 4691-4696.	2.8	84
17	Characterization of the phosphoproteome of mature Arabidopsis pollen. Plant Journal, 2012, 72, 89-101.	5.7	73
18	MtENOD11 Gene Activation During Rhizobial Infection and Mycorrhizal Arbuscule Development Requires a Common AT-Rich-Containing Regulatory Sequence. Molecular Plant-Microbe Interactions, 2005, 18, 1269-1276.	2.6	61

#	ARTICLE	IF	CITATIONS
19	TURAN and EVAN Mediate Pollen Tube Reception in Arabidopsis Synergids through Protein Glycosylation. <i>PLoS Biology</i> , 2015, 13, e1002139.	5.6	55
20	The Protein Phosphatases ATUNIS1 and ATUNIS2 Regulate Cell Wall Integrity in Tip-Growing Cells. <i>Plant Cell</i> , 2018, 30, 1906-1923.	6.6	55
21	Overlapping functions and protein-protein interactions of LRR-extensins in Arabidopsis. <i>PLoS Genetics</i> , 2020, 16, e1008847.	3.5	41
22	An Evolutionarily Conserved Receptor-like Kinases Signaling Module Controls Cell Wall Integrity During Tip Growth. <i>Current Biology</i> , 2019, 29, 3899-3908.e3.	3.9	27
23	Transcript enrichment of Nod factor-elicited early nodulin genes in purified root hair fractions of the model legume <i>Medicago truncatula</i> . <i>Journal of Experimental Botany</i> , 2005, 56, 2507-2513.	4.8	26
24	A Comprehensive Toolkit for Quick and Easy Visualization of Marker Proteins, Protein-Protein Interactions and Cell Morphology in <i>Marchantia polymorpha</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 569194.	3.6	11
25	Imaging Ca ²⁺ Dynamics in Wild-Type and NADPH Oxidase-Deficient Mutant Pollen Tubes with Yellow Cameleon and Confocal Laser Scanning Microscopy. <i>Methods in Molecular Biology</i> , 2017, 1669, 103-116.	0.9	2