Emmanuel Baudouin

List of Publications by Year
in descending order

35	2,250	331670 21	414414 32
papers	citations	h-index	g-index

35	35	35	2809
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitric oxide participates in coldâ€responsive phosphosphingolipid formation and gene expression in Arabidopsis thaliana. New Phytologist, 2011, 189, 415-427.	7.3	216
2	Reactive oxygen and nitrogen species and glutathione: key players in the legume-Rhizobium symbiosis. Journal of Experimental Botany, 2006, 57, 1769-1776.	4.8	189
3	SIMKK, a Mitogen-Activated Protein Kinase (MAPK) Kinase, Is a Specific Activator of the Salt Stressâ€"Induced MAPK, SIMK. Plant Cell, 2000, 12, 2247-2258.	6.6	187
4	The language of nitric oxide signalling. Plant Biology, 2011, 13, 233-242.	3.8	151
5	Nitric Oxide Is Formed in Medicago truncatula-Sinorhizobium meliloti Functional Nodules. Molecular Plant-Microbe Interactions, 2006, 19, 970-975.	2.6	148
6	Stress-induced Protein Phosphatase 2C Is a Negative Regulator of a Mitogen-activated Protein Kinase. Journal of Biological Chemistry, 2003, 278, 18945-18952.	3.4	147
7	Glutathione synthesis is regulated by nitric oxide in Medicago truncatula roots. Planta, 2007, 225, 1597-1602.	3.2	138
8	Reactive oxygen species, abscisic acid and ethylene interact to regulate sunflower seed germination. Plant, Cell and Environment, 2015, 38, 364-374.	5.7	125
9	Identification of endogenously S-nitrosylated proteins in Arabidopsis plantlets: Effect of cold stress on cysteine nitrosylation level. Plant Science, 2014, 215-216, 150-156.	3.6	121
10	Reactive oxygen species, nitric oxide and glutathione: a key role in the establishment of the legumeâ€"Rhizobium symbiosis?. Plant Physiology and Biochemistry, 2002, 40, 619-624.	5.8	100
11	Expression of Medicago truncatula Genes Responsive to Nitric Oxide in Pathogenic and Symbiotic Conditions. Molecular Plant-Microbe Interactions, 2008, 21, 781-790.	2.6	89
12	Phytosphingosineâ€phosphate is a signal for AtMPK6 activation and Arabidopsis response to chilling. New Phytologist, 2012, 194, 181-191.	7.3	82
13	New clues for a cold case: nitric oxide response to low temperature. Plant, Cell and Environment, 2014, 37, 2623-2630.	5.7	82
14	Nitric oxide signaling in plants. Frontiers in Plant Science, 2013, 4, 553.	3.6	66
15	The Significance of Hydrogen Sulfide for Arabidopsis Seed Germination. Frontiers in Plant Science, 2016, 7, 930.	3.6	58
16	Functional Expression of a Tobacco Gene Related to the Serine Hydrolase Family. Esterase Activity Towards Short-Chain Dinitrophenyl Acylesters. FEBS Journal, 1997, 248, 700-706.	0.2	48
17	Unsaturated fatty acids inhibit MP2C, a protein phosphatase 2C involved in the wound-induced MAP kinase pathway regulation. Plant Journal, 1999, 20, 343-348.	5.7	45
18	A Medicago sativa haem oxygenase gene is preferentially expressed in root nodules. Journal of Experimental Botany, 2003, 55, 43-47.	4.8	44

#	Article	IF	Citations
19	The <scp>MPK</scp>8â€<scp>TCP</scp>14 pathway promotes seed germination in Arabidopsis. Plant Journal, 2019, 100, 677-692.	5.7	29
20	Long chain base changes triggered by a short exposure of Arabidopsis to low temperature are altered by AHb1 non-symbiotic haemoglobin overexpression. Plant Physiology and Biochemistry, 2013, 63, 191-195.	5.8	26
21	Plant-induced cell death in the oomycete pathogen Phytophthora parasitica. Cellular Microbiology, 2005, 7, 1365-1378.	2.1	25
22	A matter of fat. Plant Signaling and Behavior, 2011, 6, 140-142.	2.4	19
23	Evidence for <scp>ACD</scp>5 ceramide kinase activity involvement in <scp>A</scp>rabidopsis response to cold stress. Plant, Cell and Environment, 2015, 38, 2688-2697.	5.7	18
24	MtNOA1/RIF1 modulates Medicago truncatulaâ€“Sinorhizobium meliloti nodule development without affecting its nitric oxide content. Journal of Experimental Botany, 2011, 62, 939-948.	4.8	17
25	Oneâ€Pot Synthesis of Metastable 2,5â€Dihydrooxepines through Retroâ€Claisen Rearrangements: Method and Applications. Chemistry - A European Journal, 2019, 25, 8643-8648.	3.3	16
26	Molecular crosstalk between the endophyte Paraconiothyrium variabile and the phytopathogen Fusarium oxysporum â€“ Modulation of lipoxygenase activity and beauvericin production during the interaction. Fungal Genetics and Biology, 2020, 139, 103383.	2.1	16
27	Nitric oxide-sphingolipid interplays in plant signalling: a new enigma from the Sphinx?. Frontiers in Plant Science, 2013, 4, 341.	3.6	13
28	Involvement of active oxygen species in the regulation of a tobacco defence gene by phorbol ester. Plant Science, 1999, 142, 67-72.	3.6	9
29	Nitric Oxide as a Mediator of Cold Stress Response: A Transcriptional Point of View. , 2015, , 129-139.		9
30	Total Synthesis of Phytotoxic Radulanin A Facilitated by the Photochemical Ring Expansion of a 2,2-Dimethylchromene in Flow. Organic Letters, 2022, 24, 4029-4033.	4.6	8
31	Highly oxygenated isoprenylated cyclohexanoids from the fungus Parastagonospora nodorum SN15. Phytochemistry, 2019, 166, 112056.	2.9	7
32	Nitric Oxide in Nitrogen-Fixing Symbiosis. Plant Cell Monographs, 2006, , 173-186.	0.4	1
33	Dynamics of Protein Phosphorylation during Arabidopsis Seed Germination. International Journal of Molecular Sciences, 2022, 23, 7059.	4.1	1
34	Hydrogen Sulfide Impact on Seed Biology Under Abiotic Stress. Plant in Challenging Environments, 2021, , 123-137.	0.4	0
35	Physiological and Environmental Regulation of Seed Germination: From Signaling Events to Molecular Responses. International Journal of Molecular Sciences, 2022, 23, 4839.	4.1	0