

Christophe Laloi

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

5,302
citations

304701

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h-index

580810

25
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28
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28
docs citations

28
times ranked

5695
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive oxygen species as signals that modulate plant stress responses and programmed cell death. <i>BioEssays</i> , 2006, 28, 1091-1101.	2.5	951
2	Transcriptomic Footprints Disclose Specificity of Reactive Oxygen Species Signaling in Arabidopsis. <i>Plant Physiology</i> , 2006, 141, 436-445.	4.8	683
3	Rapid Induction of Distinct Stress Responses after the Release of Singlet Oxygen in Arabidopsis[W]. <i>Plant Cell</i> , 2003, 15, 2320-2332.	6.6	679
4	Reactive oxygen signalling: the latest news. <i>Current Opinion in Plant Biology</i> , 2004, 7, 323-328.	7.1	633
5	The Genetic Basis of Singlet Oxygen-Induced Stress Responses of Arabidopsis thaliana. <i>Science</i> , 2004, 306, 1183-1185.	12.6	562
6	Cross-talk between singlet oxygen- and hydrogen peroxide-dependent signaling of stress responses in Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 672-677.	7.1	298
7	The Arabidopsis Cytosolic Thioredoxin h5 Gene Induction by Oxidative Stress and Its W-Box-Mediated Response to Pathogen Elicitor. <i>Plant Physiology</i> , 2004, 134, 1006-1016.	4.8	253
8	PDX1 is essential for vitamin B6 biosynthesis, development and stress tolerance in Arabidopsis. <i>Plant Journal</i> , 2006, 48, 933-946.	5.7	151
9	No single way to understand singlet oxygen signalling in plants. <i>EMBO Reports</i> , 2008, 9, 435-439.	4.5	144
10	Covariations in the nuclear chloroplast transcriptome reveal a regulatory master switch. <i>EMBO Reports</i> , 2003, 4, 491-498.	4.5	121
11	Key players of singlet oxygen-induced cell death in plants. <i>Frontiers in Plant Science</i> , 2015, 6, 39.	3.6	101
12	iTRAQ-based analysis of changes in the cassava root proteome reveals pathways associated with post-harvest physiological deterioration. <i>Plant Journal</i> , 2011, 67, 145-156.	5.7	100
13	A mutation in the Arabidopsis mTERF-related plastid protein SOLDAT10 activates retrograde signaling and suppresses $^{1}O_2$ -induced cell death. <i>Plant Journal</i> , 2009, 60, 399-410.	5.7	87
14	Stress-induced chromatin changes in plants: of memories, metabolites and crop improvement. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 1261-1273.	5.4	83
15	The multigenic family of thioredoxin h in Arabidopsis thaliana: specific expression and stress response. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 685-690.	5.8	80
16	A genetic approach towards elucidating the biological activity of different reactive oxygen species in Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , 2006, 57, 1719-1724.	4.8	75
17	Arabidopsis mutants reveal multiple singlet oxygen signaling pathways involved in stress response and development. <i>Plant Molecular Biology</i> , 2009, 70, 547-563.	3.9	71
18	Integration of stress-related and reactive oxygen species-mediated signals by Topoisomerase VI in Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16360-16365.	7.1	51

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19	Modulation of ¹ O ₂ -mediated retrograde signaling by the PLEIOTROPIC RESPONSE LOCUS 1 (PRL1) protein, a central integrator of stress and energy signaling. <i>Plant Journal</i> , 2009, 60, 22-32.	5.7	50
20	The chloroplast division mutant <i>caa33</i> of <i>Arabidopsis thaliana</i> reveals the crucial impact of chloroplast homeostasis on stress acclimation and retrograde plastid-to-nucleus signaling. <i>Plant Journal</i> , 2012, 69, 701-712.	5.7	31
21	<i>Arabidopsis</i> AAL-toxin-resistant mutant <i>atr1</i> shows enhanced tolerance to programmed cell death induced by reactive oxygen species. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 639-644.	2.1	30
22	Cytosolic, Mitochondrial Thioredoxins and Thioredoxin Reductases in <i>Arabidopsis Thaliana</i> . <i>Photosynthesis Research</i> , 2004, 79, 295-304.	2.9	27
23	Plant Chromatin Catches the Sun. <i>Frontiers in Plant Science</i> , 2019, 10, 1728.	3.6	25
24	An Easy Method for Plant Polysome Profiling. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	11
25	Topoisomerase VI participates in an insulator-like function that prevents H3K9me2 spreading. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	3