Jorge Lozano-Juste

List of Publications by Year
in descending order

32	2,123	394421 19	477307 29
papers	citations	h-index	g-index

35	35	35	2886
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitric Oxide Sensing in Plants Is Mediated by Proteolytic Control of Group VII ERF Transcription Factors. Molecular Cell, 2014, 53, 369-379.	9.7	312
2	Enhanced Abscisic Acid-Mediated Responses innia1nia2noa1-2Triple Mutant Impaired in NIA/NR- and AtNOA1-Dependent Nitric Oxide Biosynthesis in Arabidopsis. Plant Physiology, 2010, 152, 891-903.	4.8	219
3	Histone H2A.Z and homologues of components of the SWR1 complex are required to control immunity in Arabidopsis. Plant Journal, 2008, 53, 475-487.	5.7	209
4	In vivo protein tyrosine nitration in Arabidopsis thaliana. Journal of Experimental Botany, 2011, 62, 3501-3517.	4.8	194
5	Inactivation of PYR/PYL/RCAR ABA receptors by tyrosine nitration may enable rapid inhibition of ABA signaling by nitric oxide in plants. Science Signaling, 2015, 8, ra89.	3.6	129
6	Nitric Oxide Regulates DELLA Content and PIF Expression to Promote Photomorphogenesis in Arabidopsis Â. Plant Physiology, 2011, 156, 1410-1423.	4.8	126
7	Involvement of nitric oxide and auxin in signal transduction of copper-induced morphological responses in Arabidopsis seedlings. Annals of Botany, 2011, 108, 449-457.	2.9	117
8	Diverse functional interactions between nitric oxide and abscisic acid in plant development and responses to stress. Journal of Experimental Botany, 2014, 65, 907-921.	4.8	114
9	Potent and selective activation of abscisic acid receptors in vivo by mutational stabilization of their agonist-bound conformation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20838-20843.	7.1	89
10	Plant genome engineering in full bloom. Trends in Plant Science, 2014, 19, 284-287.	8.8	83
11	Preâ€<scp>mRNA</scp> splicing repression triggers abiotic stress signaling in plants. Plant Journal, 2017, 89, 291-309.	5.7	68
12	Inhibition of Arabidopsis O-Acetylserine(thiol)lyase A1 by Tyrosine Nitration. Journal of Biological Chemistry, 2011, 286, 578-586.	3.4	58
13	A Rationally Designed Agonist Defines Subfamily IIIA Abscisic Acid Receptors As Critical Targets for Manipulating Transpiration. ACS Chemical Biology, 2017, 12, 2842-2848.	3.4	57
14	The MATH-BTB BPM3 and BPM5 subunits of Cullin3-RING E3 ubiquitin ligases target PP2CA and other clade A PP2Cs for degradation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15725-15734.	7.1	56
15	Structure of Ligand-Bound Intermediates of Crop ABA Receptors HighlightsÂPP2C as Necessary ABA Co-receptor. Molecular Plant, 2017, 10, 1250-1253.	8.3	49
16	PYL8 mediates ABA perception in the root through non-cell-autonomous and ligand-stabilizationâ€“based mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11857-E11863.	7.1	46
17	Plant Osmotic Stress Signaling: MAPKKKs Meet SnRK2s. Trends in Plant Science, 2020, 25, 1179-1182.	8.8	35
18	RBR-Type E3 Ligases and the Ubiquitin-Conjugating Enzyme UBC26 Regulate Abscisic Acid Receptor Levels and Signaling. Plant Physiology, 2020, 182, 1723-1742.	4.8	33

#	Article	IF	Citations
19	Nitric oxide modulates sensitivity to ABA. Plant Signaling and Behavior, 2010, 5, 314-316.	2.4	25
20	PYR/PYL/RCAR ABA receptors. Advances in Botanical Research, 2019, , 51-82.	1.1	23
21	An Update on Crop ABA Receptors. Plants, 2021, 10, 1087.	3.5	15
22	Ubiquitylation of ABA Receptors and Protein Phosphatase 2C Coreceptors to Modulate ABA Signaling and Stress Response. International Journal of Molecular Sciences, 2021, 22, 7103.	4.1	14
23	Unnatural agrochemical ligands for engineered abscisic acid receptors. Trends in Plant Science, 2015, 20, 330-332.	8.8	10
24	PYL8 ABA receptors ofPhoenix dactyliferaplay a crucial role in response to abiotic stress and are stabilized by ABA. Journal of Experimental Botany, 2021, 72, 757-774.	4.8	10
25	Drug Discovery for Thirsty Crops. Trends in Plant Science, 2020, 25, 844-846.	8.8	9
26	The fungal sesquiterpenoid pyrenophoric acid B uses the plant ABA biosynthetic pathway to inhibit seed germination. Journal of Experimental Botany, 2019, 70, 5487-5494.	4.8	7
27	Hormone signalling: ABA has a breakdown. Nature Plants, 2016, 2, 16137.	9.3	6
28	PYL1- and PYL8-like ABA Receptors of Nicotiana benthamiana Play a Key Role in ABA Response in Seed and Vegetative Tissue. Cells, 2022, 11, 795.	4.1	5
29	A Luciferase Reporter Assay to Identify Chemical Activators of ABA Signaling. Methods in Molecular Biology, 2021, 2213, 113-121.	0.9	2
30	Structure-Based Modulation of the Ligand Sensitivity of a Tomato Dimeric Abscisic Acid Receptor Through a Glu to Asp Mutation in the Latch Loop. Frontiers in Plant Science, 0, 13, .	3.6	2
31	Identification of ABA Receptor Using aÂMultiplexed Chemical Screening. Methods in Molecular Biology, 2021, 2213, 99-111.	0.9	1
32	Evaluation of the Anti-transpirant Activity of ABA Receptor Agonists in Monocot and Eudicot Plants. Methods in Molecular Biology, 2022, 2494, 229-238.	0.9	0