Fernando Aleman

List of Publications by Year
in descending order

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21	1,760	566801	752256
papers	citations	15 h-index	20 g-index

25	25	25	2271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Arabidopsis thaliana HAK5 K+ Transporter Is Required for Plant Growth and K+ Acquisition from Low K+ Solutions under Saline Conditions. Molecular Plant, 2010, 3, 326-333.	3.9	194
2	Relative contribution of AtHAK5 and AtAKT1 to K⁺ uptake in the highâ€affinity range of concentrations. Physiologia Plantarum, 2008, 134, 598-608.	2.6	184
3	K+ uptake in plant roots. The systems involved, their regulation and parallels in other organisms. Journal of Plant Physiology, 2014, 171, 688-695.	1.6	178
4	Calcium specificity signaling mechanisms in abscisic acid signal transduction in Arabidopsis guard cells. ELife, 2015, 4, .	2.8	172
5	An ABA-increased interaction of the PYL6 ABA receptor with MYC2 Transcription Factor: A putative link of ABA and JA signaling. Scientific Reports, 2016, 6, 28941.	1.6	155
6	Root K+ Acquisition in Plants: The Arabidopsis thaliana Model. Plant and Cell Physiology, 2011, 52, 1603-1612.	1.5	154
7	A putative role for the plasma membrane potential in the control of the expression of the gene encoding the tomato high-affinity potassium transporter HAK5. Plant Molecular Biology, 2008, 68, 521-532.	2.0	119
8	Studies on Arabidopsis athak5, atakt1 double mutants disclose the range of concentrations at which AtHAK5, AtAKT1 and unknown systems mediate K+ uptake. Physiologia Plantarum, 2010, 139, 220-228.	2.6	110
9	Immune-orthogonal orthologues of AAV capsids and of Cas9 circumvent the immune response to the administration of gene therapy. Nature Biomedical Engineering, 2019, 3, 806-816.	11.6	77
10	Differential regulation of the HAK5 genes encoding the high-affinity K+ transporters of Thellungiella halophila and Arabidopsis thaliana. Environmental and Experimental Botany, 2009, 65, 263-269.	2.0	73
11	The F130S point mutation in the Arabidopsis high-affinity K+ transporter AtHAK5 increases K+ over Na+ and Cs+ selectivity and confers Na+ and Cs+ tolerance to yeast under heterologous expression. Frontiers in Plant Science, 2014, 5, 430.	1.7	68
12	Mapping transcription factor interactome networks using HaloTag protein arrays. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4238-47.	3.3	67
13	A low K⁺ signal is required for functional highâ€affinity K⁺ uptake through <scp>HAK5</scp> transporters. Physiologia Plantarum, 2014, 152, 558-570.	2.6	60
14	Long-lasting analgesia via targeted in situ repression of Na _V 1.7 in mice. Science Translational Medicine, 2021, 13, .	5.8	56
15	Potassium/sodium steady-state homeostasis in Thellungiella halophila and Arabidopsis thaliana under long-term salinity conditions. Plant Science, 2009, 176, 768-774.	1.7	47
16	Immunogenetic and structural analysis of a class of HCV broadly neutralizing antibodies and their precursors. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7569-7574.	3.3	14
17	The Necessity of Diploid Genome Sequencing to Unravel the Genetic Component of Complex Phenotypes. Frontiers in Genetics, 2017, 8, 148.	1.1	7
18	K+ Nutrition, Uptake, and Its Role in Environmental Stress in Plants. , 2012, , 85-112.		6

#	Article	IF	Citations
19	Gene therapies to reduce chronic pain: are we there yet?. Pain Management, 2020, 10, 209-212.	0.7	4
20	Probing the Antigenicity of HCV Envelope Glycoproteins by Phage Display Antibody Technology. Methods in Molecular Biology, 2019, 1911, 381-393.	0.4	1
21	Differential regulation of the genes encoding the high-affinity K+ transporters HAK5 of Thellungiella halophila and Arabidopsis thaliana in response to salinity. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, S188.	0.8	0