Heather Knight

List of Publications by Year
in descending order

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Version: 2024-02-01

37	6,463	186265	345221
papers	citations	28 h-index	36 g-index

40	40	40	6888
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mediator Subunits MED16, MED14, and MED2 Are Required for Activation of ABRE-Dependent Transcription in Arabidopsis. Frontiers in Plant Science, 2021, 12, 649720.	3.6	5
2	The calcium transporter ANNEXIN1 mediates coldâ€induced calcium signaling and freezing tolerance in plants. EMBO Journal, 2021, 40, e104559.	7.8	99
3	MUR1â€mediated cellâ€wall fucosylation is required for freezing tolerance in Arabidopsis thaliana. New Phytologist, 2019, 224, 1518-1531.	7.3	32
4	Expression levels of inositol phosphorylceramide synthase modulate plant responses to biotic and abiotic stress in Arabidopsis thaliana. PLoS ONE, 2019, 14, e0217087.	2.5	7
5	Rapid and Dynamic Alternative Splicing Impacts the Arabidopsis Cold Response Transcriptome. Plant Cell, 2018, 30, 1424-1444.	6.6	294
6	Identification of MEDIATOR16 as the Arabidopsis COBRA suppressor MONGOOSE1. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 16048-16053.	7.1	37
7	SFR6 Protein of freezing tolerance in Arabidopsis does not affect localization of CBF1 protein. Tropical Agricultural Research and Extension, 2015, 16, 49.	0.2	0
8	The Arabidopsis Mediator Complex Subunits MED16, MED14, and MED2 Regulate Mediator and RNA Polymerase II Recruitment to CBF-Responsive Cold-Regulated Genes. Plant Cell, 2014, 26, 465-484.	6.6	101
9	The Mediator subunit SFR6/MED16 controls defence gene expression mediated by salicylic acid and jasmonate responsive pathways. New Phytologist, 2012, 195, 217-230.	7.3	100
10	Lowâ€temperature perception leading to gene expression and cold tolerance in higher plants. New Phytologist, 2012, 195, 737-751.	7.3	325
11	Modelling and experimental analysis of the role of interacting cytosolic and vacuolar pools in shaping low temperature calcium signatures in plant cells. Molecular BioSystems, 2012, 8, 2205.	2.9	4
12	ERF5 and ERF6 Play Redundant Roles as Positive Regulators of JA/Et-Mediated Defense against Botrytis cinerea in Arabidopsis. PLoS ONE, 2012, 7, e35995.	2.5	225
13	OsSFR6 is a functional rice orthologue of SENSITIVE TO FREEZINGâ€6 and can act as a regulator of COR gene expression, osmotic stress and freezing tolerance in Arabidopsis. New Phytologist, 2011, 191, 984-995.	7.3	29
14	Transcriptomic Analysis Reveals Calcium Regulation of Specific Promoter Motifs inArabidopsisÂ. Plant Cell, 2011, 23, 4079-4095.	6.6	86
15	Identification of SFR6, a key component in cold acclimation acting postâ€translationally on CBF function. Plant Journal, 2009, 58, 97-108.	5.7	96
16	Getting the most out of publicly available Tâ€DNA insertion lines. Plant Journal, 2008, 56, 665-677.	5.7	56
17	SENSITIVE TO FREEZING6 Integrates Cellular and Environmental Inputs to the Plant Circadian Clock Â. Plant Physiology, 2008, 148, 293-303.	4.8	106
18	Nucleotide Depletion and Chloroplast Division. Plant Signaling and Behavior, 2007, 2, 197-198.	2.4	1

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19	crinkled leaves 8 - A mutation in the large subunit of ribonucleotide reductase - leads to defects in leaf development and chloroplast division in Arabidopsis thaliana. Plant Journal, 2007, 50, 118-127.	5.7	58
20	Rapid Transcriptome Changes Induced by Cytosolic Ca2+ Transients Reveal ABRE-Related Sequences as Ca2+-Responsive cis Elements in Arabidopsis. Plant Cell, 2006, 18, 2733-2748.	6.6	277
21	The vacuolar Ca2+-activated channel TPC1 regulates germination and stomatal movement. Nature, 2005, 434, 404-408.	27.8	490
22	Plasma Membrane Depolarization Induced by Abscisic Acid in Arabidopsis Suspension Cells Involves Reduction of Proton Pumping in Addition to Anion Channel Activation, Which Are Both Ca2+ Dependent. Plant Physiology, 2004, 135, 231-243.	4.8	94
23	Abscisic Acid Induces CBF Gene Transcription and Subsequent Induction of Cold-Regulated Genes via the CRT Promoter Element. Plant Physiology, 2004, 135, 1710-1717.	4.8	256
24	OXI1 kinase is necessary for oxidative burst-mediated signalling in Arabidopsis. Nature, 2004, 427, 858-861.	27.8	556
25	The sfr6 mutant of Arabidopsis is defective in transcriptional activation via CBF/DREB1 and DREB2 and shows sensitivity to osmotic stress. Plant Journal, 2003, 34, 395-406.	5.7	86
26	Mechanically Stimulated TCH3 Gene Expression in Arabidopsis Involves Protein Phosphorylation and EIN6 Downstream of Calcium. Plant Physiology, 2002, 128, 1402-1409.	4.8	25
27	Abiotic stress signalling pathways: specificity and cross-talk. Trends in Plant Science, 2001, 6, 262-267.	8.8	889
28	Imaging spatial and cellular characteristics of low temperature calcium signature after cold acclimation in Arabidopsis. Journal of Experimental Botany, 2000, 51, 1679-1686.	4.8	97
29	The sfr6 Mutation in Arabidopsis Suppresses Low-Temperature Induction of Genes Dependent on the CRT/DRE Sequence Motif. Plant Cell, 1999, 11, 875-886.	6.6	203
30	Dissection of the ozoneâ€induced calcium signature. Plant Journal, 1999, 17, 575-579.	5.7	122
31	Temperature sensing by plants: the primary characteristics of signal perception and calcium response. Plant Journal, 1999, 18, 491-497.	5.7	230
32	Calcium Signaling during Abiotic Stress in Plants. International Review of Cytology, 1999, 195, 269-324.	6.2	371
33	A history of stress alters drought calcium signalling pathways inArabidopsis. Plant Journal, 1998, 16, 681-687.	5.7	161
34	Recombinant aequorin methods for measurement of intracellular calcium in plants. , 1997, , 1-22.		11
35	Calcium signalling in Arabidopsis thaliana responding to drought and salinity. Plant Journal, 1997, 12, 1067-1078.	5.7	833
36	Chapter 14 Recombinant Aequorin Methods for Intracellular Calcium Measurement in Plants. Methods in Cell Biology, 1995, 49, 201-216.	1.1	51

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37	Confocal microscopy of living fungal hyphae microinjected with Ca2+-sensitive fluorescent dyes. Mycological Research, 1993, 97, 1505-1515.	2.5	37