Ana I CaÃ±o-Delgado

List of Publications by Year
in descending order

35 papers	3,467 citations	361413 20 h-index	395702 33 g-index
38 all docs	38 docs citations	38 times ranked	4244 citing authors

#	Article	IF	Citations
1	The physiology of plant responses to drought. Science, 2020, 368, 266-269.	12.6	957
2	Brassinosteroids control meristem size by promoting cell cycle progression in <i>Arabidopsis</i> roots. Development (Cambridge), 2011, 138, 849-859.	2.5	432
3	Brassinosteroid signaling in plant development and adaptation to stress. Development (Cambridge), 2019, 146, .	2.5	306
4	Fluorescent castasterone reveals BRI1 signaling from the plasma membrane. Nature Chemical Biology, 2012, 8, 583-589.	8.0	203
5	Overexpression of the vascular brassinosteroid receptor BRL3 confers drought resistance without penalizing plant growth. Nature Communications, 2018, 9, 4680.	12.8	189
6	Regulation of Plant Stem Cell Quiescence by a Brassinosteroid Signaling Module. Developmental Cell, 2014, 30, 36-47.	7.0	164
7	Tackling Drought Stress: RECEPTOR-LIKE KINASES Present New Approaches. Plant Cell, 2012, 24, 2262-2278.	6.6	155
8	Brassinosteroid production and signaling differentially control cell division and expansion in the leaf. New Phytologist, 2013, 197, 490-502.	7.3	151
9	Brassinosteroid signaling and auxin transport are required to establish the periodic pattern of <i>Arabidopsis</i> shoot vascular bundles. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13630-13635.	7.1	150
10	The BRASSINOSTEROID INSENSITIVE1â€“LIKE3 Signalosome Complex Regulates <i>Arabidopsis</i> Root Development Â Â. Plant Cell, 2013, 25, 3377-3388.	6.6	94
11	Drought Resistance by Engineering Plant Tissue-Specific Responses. Frontiers in Plant Science, 2019, 10, 1676.	3.6	94
12	Auxin Influx Carriers Control Vascular Patterning and Xylem Differentiation in Arabidopsis thaliana. PLoS Genetics, 2015, 11, e1005183.	3.5	70
13	An oligo-based microarray offers novel transcriptomic approaches for the analysis of pathogen resistance and fruit quality traits in melon (Cucumis melo L.). BMC Genomics, 2009, 10, 467.	2.8	61
14	Analysis of expressed sequence tags generated from full-length enriched cDNA libraries of melon. BMC Genomics, 2011, 12, 252.	2.8	49
15	TOPLESS mediates brassinosteroid control of shoot boundaries and root meristem development in <i>Arabidopsis thaliana</i>. Development (Cambridge), 2017, 144, 1619-1628.	2.5	47
16	Revisiting the Evolutionary History and Roles of Protein Phosphatases with Kelch-Like Domains in Plants Â Â. Plant Physiology, 2014, 164, 1527-1541.	4.8	46
17	A Sizer model for cell differentiation in <i>Arabidopsis thaliana</i> root growth. Molecular Systems Biology, 2018, 14, e7687.	7.2	43
18	BES1 regulates the localization of the brassinosteroid receptor BRL3 within the provascular tissue of the Arabidopsis primary root. Journal of Experimental Botany, 2016, 67, 4951-4961.	4.8	36

#	Article	IF	Citations
19	Turning on the microscope turret: a new view for the study of brassinosteroid signaling in plant development. Physiologia Plantarum, 2014, 151, 172-183.	5.2	30
20	My<scp>ROOT</scp>: a method and software for the semiautomatic measurement of primary root length in Arabidopsis seedlings. Plant Journal, 2019, 98, 1145-1156.	5.7	27
21	Paracrine brassinosteroid signaling at the stem cell niche controls cellular regeneration. Journal of Cell Science, 2018, 131, .	2.0	25
22	Single-Cell Telomere-Length Quantification Couples Telomere Length to Meristem Activity and Stem Cell Development in Arabidopsis. Cell Reports, 2015, 11, 977-989.	6.4	24
23	Emerging roles of vascular brassinosteroid receptors of the BRI1-like family. Current Opinion in Plant Biology, 2019, 51, 105-113.	7.1	18
24	The BES1/BZR1-family transcription factor MpBES1 regulates cell division and differentiation in Marchantia polymorpha. Current Biology, 2021, 31, 4860-4869.e8.	3.9	15
25	Delving into the evolutionary origin of steroid sensing in plants. Current Opinion in Plant Biology, 2020, 57, 87-95.	7.1	14
26	A systems biology approach to dissect the contribution of brassinosteroid and Auxin hormones to vascular patterning in the shoot of<i>Arabidopsis thaliana</i>. Plant Signaling and Behavior, 2010, 5, 903-906.	2.4	12
27	New Role for LRR-Receptor Kinase in Sensing of Reactive Oxygen Species. Trends in Plant Science, 2021, 26, 102-104.	8.8	12
28	Precise transcriptional control of cellular quiescence by BRAVO/WOX5 complex in <i>Arabidopsis</i> roots. Molecular Systems Biology, 2021, 17, e9864.	7.2	11
29	Analysis of metabolic dynamics during drought stress in Arabidopsis plants. Scientific Data, 2022, 9, 90.	5.3	11
30	MyROOT 2.0: An automatic tool for high throughput and accurate primary root length measurement. Computers and Electronics in Agriculture, 2020, 168, 105125.	7.7	10
31	Spatial control of plant steroid signaling. Trends in Plant Science, 2013, 18, 235-236.	8.8	9
32	The Primary Root of Sorghum bicolor (L. Moench) as a Model System to Study Brassinosteroid Signaling in Crops. Methods in Molecular Biology, 2017, 1564, 181-192.	0.9	1
33	Experimental and Theoretical Methods to Approach the Study of Vascular Patterning in the Plant Shoot. Methods in Molecular Biology, 2017, 1544, 3-19.	0.9	1
34	PloidyQuantX: A Quantitative Microscopy Imaging Tool for Ploidy Quantification at Cell and Organ Level in Arabidopsis Root. Lecture Notes in Computer Science, 2015, , 210-215.	1.3	0
35	Methods for Modeling Brassinosteroid-Mediated Signaling in Plant Development. Methods in Molecular Biology, 2017, 1564, 103-120.	0.9	0