Ana I CaÃ±o-Delgado

List of Publications by Year
in descending order

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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	Analysis of metabolic dynamics during drought stress in Arabidopsis plants. Scientific Data, 2022, 9, 90.	5.3	11
2	New Role for LRR-Receptor Kinase in Sensing of Reactive Oxygen Species. Trends in Plant Science, 2021, 26, 102-104.	8.8	12
3	Precise transcriptional control of cellular quiescence by BRAVO/WOX5 complex in <i>Arabidopsis</i> roots. Molecular Systems Biology, 2021, 17, e9864.	7.2	11
4	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
5	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
6	Delving into the evolutionary origin of steroid sensing in plants. Current Opinion in Plant Biology, 2020, 57, 87-95.	7.1	14
7	The physiology of plant responses to drought. Science, 2020, 368, 266-269.	12.6	957
8	Emerging roles of vascular brassinosteroid receptors of the BRI1-like family. Current Opinion in Plant Biology, 2019, 51, 105-113.	7.1	18
9	Brassinosteroid signaling in plant development and adaptation to stress. Development (Cambridge), 2019, 146, .	2.5	306
10	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
11	Drought Resistance by Engineering Plant Tissue-Specific Responses. Frontiers in Plant Science, 2019, 10, 1676.	3.6	94
12	Paracrine brassinosteroid signaling at the stem cell niche controls cellular regeneration. Journal of Cell Science, 2018, 131, .	2.0	25
13	A Sizer model for cell differentiation in <i>Arabidopsis thaliana</i> root growth. Molecular Systems Biology, 2018, 14, e7687.	7.2	43
14	Overexpression of the vascular brassinosteroid receptor BRL3 confers drought resistance without penalizing plant growth. Nature Communications, 2018, 9, 4680.	12.8	189
15	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
16	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
17	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
18	Methods for Modeling Brassinosteroid-Mediated Signaling in Plant Development. Methods in Molecular Biology, 2017, 1564, 103-120.	0.9	0

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19	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
20	Auxin Influx Carriers Control Vascular Patterning and Xylem Differentiation in Arabidopsis thaliana. PLoS Genetics, 2015, 11, e1005183.	3.5	70
21	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
22	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
23	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
24	Regulation of Plant Stem Cell Quiescence by a Brassinosteroid Signaling Module. Developmental Cell, 2014, 30, 36-47.	7.0	164
25	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
26	Spatial control of plant steroid signaling. Trends in Plant Science, 2013, 18, 235-236.	8.8	9
27	Brassinosteroid production and signaling differentially control cell division and expansion in the leaf. New Phytologist, 2013, 197, 490-502.	7.3	151
28	The BRASSINOSTEROID INSENSITIVE1â€"LIKE3 Signalosome Complex Regulates <i>Arabidopsis</i> Root Development Â Â. Plant Cell, 2013, 25, 3377-3388.	6.6	94
29	Tackling Drought Stress: RECEPTOR-LIKE KINASES Present New Approaches. Plant Cell, 2012, 24, 2262-2278.	6.6	155
30	Fluorescent castasterone reveals BRI1 signaling from the plasma membrane. Nature Chemical Biology, 2012, 8, 583-589.	8.0	203
31	Brassinosteroids control meristem size by promoting cell cycle progression in <i>Arabidopsis</i> roots. Development (Cambridge), 2011, 138, 849-859.	2.5	432
32	Analysis of expressed sequence tags generated from full-length enriched cDNA libraries of melon. BMC Genomics, 2011, 12, 252.	2.8	49
33	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
34	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
35	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