

HerlÃ¢nder Azevedo

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

986
citations

567144

15
h-index

454834

30
g-index

36
all docs

36
docs citations

36
times ranked

1545
citing authors

#	ARTICLE	IF	CITATIONS
1	SUMO, a heavyweight player in plant abiotic stress responses. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3269-3283.	2.4	118
2	A subcellular tug of war involving three MYB-like proteins underlies a molecular antagonism in <i>Antirrhinum</i> flower asymmetry. <i>Plant Journal</i> , 2013, 75, 527-538.	2.8	96
3	An improved method for high-quality RNA isolation from needles of adult maritime pine trees. <i>Plant Molecular Biology Reporter</i> , 2003, 21, 333-338.	1.0	86
4	The SUD1 Gene Encodes a Putative E3 Ubiquitin Ligase and Is a Positive Regulator of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Activity in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 728-743.	3.1	78
5	Phenotypic analysis of the <i>Arabidopsis</i> heat stress response during germination and early seedling development. <i>Plant Methods</i> , 2014, 10, 7.	1.9	76
6	<i>Arabidopsis</i> Squalene Epoxidase 3 (SQE3) Complements SQE1 and Is Important for Embryo Development and Bulk Squalene Epoxidase Activity. <i>Molecular Plant</i> , 2015, 8, 1090-1102.	3.9	59
7	A comprehensive assessment of the transcriptome of cork oak (<i>Quercus suber</i>) through EST sequencing. <i>BMC Genomics</i> , 2014, 15, 371.	1.2	53
8	Rice F-bZIP transcription factors regulate the zinc deficiency response. <i>Journal of Experimental Botany</i> , 2020, 71, 3664-3677.	2.4	49
9	Phylogenetic analysis of F-bZIP transcription factors indicates conservation of the zinc deficiency response across land plants. <i>Scientific Reports</i> , 2017, 7, 3806.	1.6	46
10	SIZ1-Dependent Post-Translational Modification by SUMO Modulates Sugar Signaling and Metabolism in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2015, 56, 2297-2311.	1.5	44
11	SUMO proteases ULP1c and ULP1d are required for development and osmotic stress responses in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2016, 92, 143-159.	2.0	39
12	RNA-Seq and Gene Network Analysis Uncover Activation of an ABA-Dependent Signalosome During the Cork Oak Root Response to Drought. <i>Frontiers in Plant Science</i> , 2015, 6, 1195.	1.7	30
13	<i>Arabidopsis thaliana</i> SPF1 and SPF2 are nuclear-located ULP2-like SUMO proteases that act downstream of SIZ1 in plant development. <i>Journal of Experimental Botany</i> , 2018, 69, 4633-4649.	2.4	25
14	The Non-host Pathogen <i>Botrytis cinerea</i> Enhances Glucose Transport in <i>Pinus pinaster</i> Suspension-cultured Cells. <i>Plant and Cell Physiology</i> , 2006, 47, 290-298.	1.5	21
15	Revised nomenclature and functional overview of the ULP gene family of plant deSUMOylating proteases. <i>Journal of Experimental Botany</i> , 2018, 69, 4505-4509.	2.4	20
16	Transcriptomic profiling of <i>Arabidopsis</i> gene expression in response to varying micronutrient zinc supply. <i>Genomics Data</i> , 2016, 7, 256-258.	1.3	17
17	The Necrotroph <i>Botrytis cinerea</i> Induces a Non-Host Type II Resistance Mechanism in <i>Pinus pinaster</i> Suspension-Cultured Cells. <i>Plant and Cell Physiology</i> , 2008, 49, 386-395.	1.5	16
18	Establishment and characterization of <i>Pinus pinaster</i> suspension cell cultures. <i>Plant Cell, Tissue and Organ Culture</i> , 2008, 93, 115-121.	1.2	14

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19	Long-term globular adiponectin administration improves adipose tissue dysmetabolism in high-fat diet-fed Wistar rats. <i>Archives of Physiology and Biochemistry</i> , 2014, 120, 147-157.	1.0	14
20	Effect of salt on ROS homeostasis, lipid peroxidation and antioxidant mechanisms in <i>Pinus pinaster</i> suspension cells. <i>Annals of Forest Science</i> , 2009, 66, 211-211.	0.8	11
21	Pervasive hybridization with local wild relatives in Western European grapevine varieties. <i>Science Advances</i> , 2021, 7, eabi8584.	4.7	11
22	SUMO E3 ligase SIZ1 connects sumoylation and reactive oxygen species homeostasis processes in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2022, 189, 934-954.	2.3	8
23	Regulation of the Zinc Deficiency Response in the Legume Model <i>Medicago truncatula</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	8
24	Sugar signaling regulation by <i>Arabidopsis</i> SIZ1-driven sumoylation is independent of salicylic acid. <i>Plant Signaling and Behavior</i> , 2018, 13, e1179417.	1.2	7
25	A Strategy for the Identification of New Abiotic Stress Determinants in <i>Arabidopsis</i> Using Web-Based Data Mining and Reverse Genetics. <i>OMICS A Journal of Integrative Biology</i> , 2011, 15, 935-947.	1.0	6
26	Salicylic acid up-regulates the expression of chloroplastic Cu, Zn-superoxide dismutase in needles of maritime pine (<i>Pinus pinaster</i> Ait.). <i>Annals of Forest Science</i> , 2004, 61, 847-850.	0.8	6
27	Impact of carbon and phosphate starvation on growth and programmed cell death of maritime pine suspension cells. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2014, 50, 478-486.	0.9	5
28	Analysis on the Role of Phenylpropanoid Metabolism in the <i>Pinus pinaster</i> - <i>Botrytis cinerea</i> Interaction. <i>Journal of Phytopathology</i> , 2010, 158, 641.	0.5	4
29	Feasibility of applying shotgun metagenomic analyses to grapevine leaf, rhizosphere and soil microbiome characterisation. <i>Australian Journal of Grape and Wine Research</i> , 2021, 27, 519-526.	1.0	4
30	Bioinformatics Tools for Exploring the SUMO Gene Network. <i>Methods in Molecular Biology</i> , 2016, 1450, 285-301.	0.4	3
31	Understanding Heat Stress Tolerance of Suspended Cells in the Model Plant <i>Populus euphratica</i> . <i>ISRN Forestry</i> , 2012, 2012, 1-5.	1.0	3
32	growth is independently controlled by the SUMO E3 ligase SIZ1 and Hexokinase 1. <i>MicroPublication Biology</i> , 2020, 2020, .	0.1	2
33	Plant hexokinase phylogenetic analysis highlights a possible regulation by the posttranslational modifier SUMO. <i>MicroPublication Biology</i> , 2020, 2020, .	0.1	1