

Adela A M Sã;nchez-Moreiras

List of Publications by Year in descending order

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51
papers

1,588
citations

304743

22
h-index

315739

38
g-index

51
all docs

51
docs citations

51
times ranked

1882
citing authors

#	ARTICLE	IF	CITATIONS
1	The major volatile organic compound emitted from <i>Arabidopsis thaliana</i> flowers, the sesquiterpene (<i>trans</i> - β -caryophyllene, is a defense against a bacterial pathogen. <i>New Phytologist</i> , 2012, 193, 997-1008.	7.3	408
2	Detoxification and Transcriptome Response in <i>Arabidopsis</i> Seedlings Exposed to the Allelochemical Benzoxazolin-2(3H)-one. <i>Journal of Biological Chemistry</i> , 2005, 280, 21867-21881.	3.4	165
3	Phytotoxic Effects and Mechanism of Action of Essential Oils and Terpenoids. <i>Plants</i> , 2020, 9, 1571.	3.5	95
4	Citral Induces Auxin and Ethylene-Mediated Malformations and Arrests Cell Division in <i>Arabidopsis thaliana</i> Roots. <i>Journal of Chemical Ecology</i> , 2013, 39, 271-282.	1.8	66
5	The natural compound benzoxazolin-2(3H)-one selectively retards cell cycle in lettuce root meristems. <i>Phytochemistry</i> , 2008, 69, 2172-2179.	2.9	62
6	BIOLOGICAL ACTIVITIES AND NOVEL APPLICATIONS OF CHALCONES. <i>Planta Daninha</i> , 2016, 34, 607-616.	0.5	60
7	Whole Plant Response of Lettuce After Root Exposure to BOA (2(3H)-Benzoxazolinone). <i>Journal of Chemical Ecology</i> , 2005, 31, 2689-2703.	1.8	59
8	The natural compound <i>trans</i> -chalcone induces programmed cell death in <i>Arabidopsis thaliana</i> roots. <i>Plant, Cell and Environment</i> , 2012, 35, 1500-1517.	5.7	53
9	Terpenoid <i>trans</i> - β -caryophyllene inhibits weed germination and induces plant water status alteration and oxidative damage in adult <i>Arabidopsis</i> . <i>Plant Biology</i> , 2017, 19, 79-89.	3.8	49
10	Loss of Gravitropism in Farnesene-Treated <i>Arabidopsis</i> Is Due to Microtubule Malformations Related to Hormonal and ROS Unbalance. <i>PLoS ONE</i> , 2016, 11, e0160202.	2.5	46
11	Rosmarinic acid induces programmed cell death in <i>Arabidopsis</i> seedlings through reactive oxygen species and mitochondrial dysfunction. <i>PLoS ONE</i> , 2018, 13, e0208802.	2.5	38
12	Auxin-like effects of the natural coumarin scopoletin on <i>Arabidopsis</i> cell structure and morphology. <i>Journal of Plant Physiology</i> , 2017, 218, 45-55.	3.5	35
13	The early response of <i>Arabidopsis thaliana</i> to cadmium- and copper-induced stress. <i>Environmental and Experimental Botany</i> , 2012, 78, 1-9.	4.2	33
14	Unraveling Sorghum Allelopathy in Agriculture: Concepts and Implications. <i>Plants</i> , 2021, 10, 1795.	3.5	33
15	Phytotoxic Effects of Three Natural Compounds: Pelargonic Acid, Carvacrol, and Cinnamic Aldehyde, against Problematic Weeds in Mediterranean Crops. <i>Agronomy</i> , 2020, 10, 791.	3.0	31
16	Imaging of Chlorophyll a Fluorescence in Natural Compound-Induced Stress Detection. <i>Frontiers in Plant Science</i> , 2020, 11, 583590.	3.6	29
17	Individual and joint activity of terpenoids, isolated from <i>Calamintha nepeta</i> extract, on <i>Arabidopsis thaliana</i> . <i>Natural Product Research</i> , 2013, 27, 2297-2303.	1.8	28
18	The Phytotoxic Potential of the Terpenoid Citral on Seedlings and Adult Plants. <i>Weed Science</i> , 2013, 61, 469-481.	1.5	28

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19	Imaging chlorophyll a fluorescence reveals specific spatial distributions under different stress conditions. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2011, 206, 836-844.	1.2	25
20	Early senescence induced by 2-3H-benzoxazolinone (BOA) in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Physiology</i> , 2011, 168, 863-870.	3.5	25
21	Phytotoxic Potential of Trans-chalcone on Crop Plants and Model Species. <i>Journal of Plant Growth Regulation</i> , 2014, 33, 181-194.	5.1	24
22	Reduced Photosynthetic Activity is Directly Correlated with 2-(3H)-benzoxazolinone Accumulation in Lettuce Leaves. <i>Journal of Chemical Ecology</i> , 2010, 36, 205-209.	1.8	23
23	Herbicidal Activity of <i>Thymbra capitata</i> (L.) Cav. Essential Oil. <i>Molecules</i> , 2020, 25, 2832.	3.8	18
24	A natural indole alkaloid, norharmane, affects PIN expression patterns and compromises root growth in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 151, 378-390.	5.8	17
25	The plant secondary metabolite citral alters water status and prevents seed formation in <i>Arabidopsis thaliana</i> . <i>Plant Biology</i> , 2016, 18, 423-432.	3.8	14
26	Morpho-physiological responses of tall wheatgrass populations to different levels of water stress. <i>PLoS ONE</i> , 2018, 13, e0209281.	2.5	14
27	Transcriptome responses to the natural phytotoxin (E)-chalcone in <i>Arabidopsis thaliana</i> L. <i>Pest Management Science</i> , 2019, 75, 2490-2504.	3.4	11
28	(E)-Benzoxazolinone (BOA) induces loss of salt tolerance in salt-adapted plants. <i>Plant Biology</i> , 2009, 11, 582-590.	3.8	10
29	Plasma membrane depolarization precedes photosynthesis damage and long-term leaf bleaching in (E)-chalcone-treated <i>Arabidopsis</i> shoots. <i>Journal of Plant Physiology</i> , 2017, 218, 56-65.	3.5	10
30	Transcriptome and binding data indicate that citral inhibits single strand DNA-binding proteins. <i>Physiologia Plantarum</i> , 2020, 169, 99-109.	5.2	10
31	Phytotoxic Activity of the Natural Compound Norharmane on Crops, Weeds and Model Plants. <i>Plants</i> , 2020, 9, 1328.	3.5	10
32	Tolerance of <i>Arabidopsis thaliana</i> to the Allelochemical Protocatechualdehyde. <i>Journal of Plant Growth Regulation</i> , 2012, 31, 406-415.	5.1	9
33	The role of peroxidases on the mode of action of chalcone in <i>Arabidopsis</i> roots. <i>Plant Signaling and Behavior</i> , 2012, 7, 1274-1276.	2.4	8
34	Genomic Approaches to Understanding Allelochemical Effects on Plants. , 2008, , 157-167.		7
35	Weed pressure determines the chemical profile of wheat (<i>Triticum aestivum</i> L.) and its allelochemicals potential. <i>Pest Management Science</i> , 2022, 78, 1605-1619.	3.4	7
36	Early photosynthetic response of <i>Arabidopsis thaliana</i> to temperature and salt stress conditions. <i>Russian Journal of Plant Physiology</i> , 2012, 59, 640-647.	1.1	6

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37	Gas Exchange Techniques in Photosynthesis and Respiration Infrared Gas Analyser. , 2001, , 113-139.		4
38	Ultrastructural and hormonal changes related to harmaline-induced treatment in Arabidopsis thaliana (L.) Heynh. root meristem. Plant Physiology and Biochemistry, 2022, 179, 78-89.	5.8	4
39	Ecophysiological Responses of Tall Wheatgrass Germplasm to Drought and Salinity. Plants, 2022, 11, 1548.	3.5	4
40	Morpho-physiological, biochemical and isotopic response of tall wheatgrass populations to salt stress. Journal of Agronomy and Crop Science, 2021, 207, 236-248.	3.5	3
41	Elucidating the Phytotoxic Potential of Natural Compounds. , 2018, , 363-378.		2
42	Cell cycle analyses for understanding growth inhibition. , 2006, , 141-156.		1
43	Confocal and Transmission Electron Microscopy for Plant Studies. , 2018, , 253-271.		1
44	Flow Cytometry: Principles and Instrumentation. , 2001, , 21-34.		1
45	Root Uptake and Release of Ions. , 2001, , 413-427.		1
46	Two-Dimensional Electrophoresis. Stress Proteins. , 2001, , 297-333.		1
47	Assessment of D-Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase (Rubisco) Enzymatic Activity. , 2001, , 383-397.		0
48	Physiological Effects of 2-Benzoxazolinone on Lettuce. ACS Symposium Series, 2006, , 48-61.	0.5	0
49	Flow Cytometry: Cell Cycle. , 2018, , 215-229.		0
50	Determination of Transpiration Using A Steady-State Porometer. , 2001, , 223-233.		0
51	ATP Phosphohydrolase Activity. , 2001, , 399-412.		0