

Carla Pinheiro

List of Publications by Year in descending order

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45
papers

6,805
citations

218677

26
h-index

243625

44
g-index

45
all docs

45
docs citations

45
times ranked

9448
citing authors

#	ARTICLE	IF	CITATIONS
1	Photosynthesis under drought and salt stress: regulation mechanisms from whole plant to cell. <i>Annals of Botany</i> , 2009, 103, 551-560.	2.9	2,950
2	How Plants Cope with Water Stress in the Field? <i>Photosynthesis and Growth. Annals of Botany</i> , 2002, 89, 907-916.	2.9	1,523
3	Photosynthesis and drought: can we make metabolic connections from available data?. <i>Journal of Experimental Botany</i> , 2011, 62, 869-882.	4.8	789
4	Controlling stomatal aperture in semi-arid regionsâ€”The dilemma of saving water or being cool?. <i>Plant Science</i> , 2016, 251, 54-64.	3.6	149
5	Alterations in carbon and nitrogen metabolism induced by water deficit in the stems and leaves of <i>Lupinus albus</i> L.. <i>Journal of Experimental Botany</i> , 2001, 52, 1063-1070.	4.8	136
6	Impact of irrigation regime on berry development and flavonoids composition in Aragonez (Syn.) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 5	3.6	117
7	Effect of drought and rewatering on the metabolism of <i>Lupinus albus</i> organs. <i>Journal of Plant Physiology</i> , 2004, 161, 1203-1210.	3.5	96
8	The quest for tolerant varieties: the importance of integrating â€œomicsâ€•techniques to phenotyping. <i>Frontiers in Plant Science</i> , 2015, 6, 448.	3.6	67
9	Diversity of seed mineral composition of <i>Phaseolus vulgaris</i> L. germplasm. <i>Journal of Food Composition and Analysis</i> , 2010, 23, 319-325.	3.9	66
10	Analysis of carbohydrates in <i>Lupinus albus</i> stems on imposition of water deficit, using porous graphitic carbon liquid chromatography-electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1187, 111-118.	3.7	58
11	Grape Ripening Is Regulated by Deficit Irrigation/Elevated Temperatures According to Cluster Position in the Canopy. <i>Frontiers in Plant Science</i> , 2016, 7, 1640.	3.6	57
12	The <i>Lupinus albus</i> class-III chitinase gene, IF3, is constitutively expressed in vegetative organs and developing seeds. <i>Planta</i> , 2000, 210, 543-550.	3.2	52
13	A Biochemical and Molecular Characterization of LEP1, an Extensin Peroxidase from Lupin. <i>Journal of Biological Chemistry</i> , 2003, 278, 41389-41399.	3.4	50
14	Effect of water stress on lupin stem protein analysed by two-dimensional gel electrophoresis. <i>Planta</i> , 2005, 221, 716-728.	3.2	46
15	Proteomic analysis of apoplastic fluid of <i>Coffea arabica</i> leaves highlights novel biomarkers for resistance against <i>Hemileia vastatrix</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 478.	3.6	46
16	Transcriptional profiling of cork oak phellogenic cells isolated by laser microdissection. <i>Planta</i> , 2018, 247, 317-338.	3.2	46
17	Comparison of good- and bad-quality cork: application of high-throughput sequencing of phellogenic tissue. <i>Journal of Experimental Botany</i> , 2014, 65, 4887-4905.	4.8	42
18	Proteomic evaluation of woundâ€•healing processes in potato (<i>Solanum tuberosum</i> L.) tuber tissue. <i>Proteomics</i> , 2009, 9, 4154-4175.	2.2	39

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19	Sugar metabolism in developing lupin seeds is affected by a short-term water deficit. <i>Journal of Experimental Botany</i> , 2005, 56, 2705-2712.	4.8	38
20	Opportunities and Limitations of Crop Phenotyping in Southern European Countries. <i>Frontiers in Plant Science</i> , 2019, 10, 1125.	3.6	37
21	Proteins associated with cork formation in <i>Quercus suber</i> L. stem tissues. <i>Journal of Proteomics</i> , 2011, 74, 1266-1278.	2.4	35
22	Initial water deficit effects on <i>Lupinus albus</i> photosynthetic performance, carbon metabolism, and hormonal balance: metabolic reorganization prior to early stress responses. <i>Journal of Experimental Botany</i> , 2011, 62, 4965-4974.	4.8	33
23	Protein Dynamics in the Plant Extracellular Space. <i>Proteomes</i> , 2016, 4, 22.	3.5	33
24	Genetic Diversity and Physiological Performance of Portuguese Wild Beet (<i>Beta vulgaris</i> spp. <i>maritima</i>) from Three Contrasting Habitats. <i>Frontiers in Plant Science</i> , 2016, 7, 1293.	3.6	29
25	The analysis of <i>Lupinus albus</i> root proteome revealed cytoskeleton altered features due to long-term boron deficiency. <i>Journal of Proteomics</i> , 2011, 74, 1351-1363.	2.4	28
26	Metabolic analysis revealed altered amino acid profiles in <i>Lupinus albus</i> organs as a result of boron deficiency. <i>Physiologia Plantarum</i> , 2011, 142, 224-232.	5.2	26
27	Effect of greenhouse conditions on the leaf apoplastic proteome of <i>Coffea arabica</i> plants. <i>Journal of Proteomics</i> , 2014, 104, 128-139.	2.4	26
28	Proteomics: State of the art to study Mediterranean woody species under stress. <i>Environmental and Experimental Botany</i> , 2014, 103, 117-127.	4.2	24
29	Identification of chickpea seed proteins resistant to simulated <i>in vitro</i> human digestion. <i>Journal of Proteomics</i> , 2017, 169, 143-152.	2.4	23
30	Two Traditional Maize Inbred Lines of Contrasting Technological Abilities Are Discriminated by the Seed Flour Proteome. <i>Journal of Proteome Research</i> , 2013, 12, 3152-3165.	3.7	22
31	Cultivar discrimination of Portuguese <i>Lupinus albus</i> by seed protein electrophoresis: the importance of considering α -glutelins and glycoproteins. <i>Field Crops Research</i> , 2004, 87, 23-34.	5.1	17
32	Taking Advantage of Nonspecific Trypsin Cleavages for the Identification of Seed Storage Proteins in Cereals. <i>Journal of Proteome Research</i> , 2009, 8, 3182-3190.	3.7	16
33	Salinity effect on germination, seedling growth and cotyledon membrane complexes of a Portuguese salt marsh wild beet ecotype. <i>Theoretical and Experimental Plant Physiology</i> , 2018, 30, 113-127.	2.4	14
34	Maize IgE binding proteins: each plant a different profile?. <i>Proteome Science</i> , 2014, 12, 17.	1.7	11
35	Dehydrins in <i>Lupinus albus</i> : pattern of protein accumulation in response to drought. <i>Functional Plant Biology</i> , 2008, 35, 85.	2.1	11
36	Phellem Cell-Wall Components Are Discriminants of Cork Quality in <i>Quercus suber</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 944.	3.6	10

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37	Primary Metabolism Is Distinctly Modulated by Plant Resistance Inducers in <i>Coffea arabica</i> Leaves Infected by <i>Hemileia vastatrix</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 309.	3.6	10
38	Fleshy Fruit Epidermis is a Protective Barrier Under Water Stress. , 2018, , 507-533.		7
39	Overexpressing <i>Vitis vinifera</i> YSK2 dehydrin in tobacco improves plant performance. <i>Agricultural Water Management</i> , 2016, 164, 176-189.	5.6	6
40	Distinctive phytohormonal and metabolic profiles of <i>Arabidopsis thaliana</i> and <i>Eutrema salsugineum</i> under similar soil drying. <i>Planta</i> , 2019, 249, 1417-1433.	3.2	5
41	Grapevine RD22a constitutive expression in tobacco enhances stomatal adjustment and confers drought tolerance. <i>Theoretical and Experimental Plant Physiology</i> , 2016, 28, 395-413.	2.4	4
42	Mediterranean woody agroecosystems in a warming and drier climate: the importance of knowledge-based management. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 291, 152070.	1.2	4
43	Erratum to "Analysis of carbohydrates in <i>Lupinus albus</i> stems on imposition of water deficit, using porous graphitic carbon liquid chromatography-electrospray ionization mass spectrometry". <i>J. Chromatogr. A</i> 1187 (2008) 111-118]. <i>Journal of Chromatography A</i> , 2008, 1201, 132.	3.7	3
44	Germination under aseptic conditions of different ecotypes of wild beet (<i>Beta vulgaris</i> L. ssp) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.4	3
45	Why Manuela Chaves decided to become a scientist. <i>Theoretical and Experimental Plant Physiology</i> , 2020, 32, 1-4.	2.4	1