J Miguel Costa

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/425468/publications.pdf

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37	3,218	331538	377752
papers	citations	21 h-index	34 g-index

38	38	38	4175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effects of field inoculation of arbuscular mycorrhizal fungi through rye donor plants on grapevine performance and soil properties. Agriculture, Ecosystems and Environment, 2021, 313, 107369.	2.5	18
2	Potential Phenotyping Methodologies to Assess Inter- and Intravarietal Variability and to Select Grapevine Genotypes Tolerant to Abiotic Stress. Frontiers in Plant Science, 2021, 12, 718202.	1.7	8
3	Water and wastewater management for sustainable viticulture and oenology in South Portugal â€“ a review. Ciencia E Tecnica Vitivinicola, 2020, 35, 1-15.	0.3	15
4	Opportunities and Limitations of Crop Phenotyping in Southern European Countries. Frontiers in Plant Science, 2019, 10, 1125.	1.7	37
5	Maize Open-Pollinated Populations Physiological Improvement: Validating Tools for Drought Response Participatory Selection. Sustainability, 2019, 11, 6081.	1.6	3
6	Canopy and soil thermal patterns to support water and heat stress management in vineyards. Agricultural Water Management, 2019, 216, 484-496.	2.4	33
7	Challenges for modern wine production in dry areas: dedicated indicators to preview wastewater flows. Water Science and Technology: Water Supply, 2019, 19, 653-661.	1.0	15
8	Thylakoidal APX modulates hydrogen peroxide content and stomatal closure in rice (Oryza sativa L.). Environmental and Experimental Botany, 2018, 150, 46-56.	2.0	20
9	OsICE1 transcription factor improves photosynthetic performance and reduces grain losses in rice plants subjected to drought. Environmental and Experimental Botany, 2018, 150, 88-98.	2.0	12
10	Can Mediterranean terroirs withstand climate change? Case studies at the Alentejo Portuguese winegrowing region. E3S Web of Conferences, 2018, 50, 01004.	0.2	6
11	Water and Heat Fluxes in Mediterranean Vineyards. , 2018, , 219-245.		3
12	Actin filament reorganisation controlled by the <scp>SCAR</scp>/<scp>WAVE</scp> complex mediates stomatal response to darkness. New Phytologist, 2017, 215, 1059-1067.	3.5	27
13	Thermal data to monitor crop-water status in irrigated Mediterranean viticulture. Agricultural Water Management, 2016, 176, 80-90.	2.4	53
14	Controlling stomatal aperture in semi-arid regionsâ€”The dilemma of saving water or being cool?. Plant Science, 2016, 251, 54-64.	1.7	149
15	Deficit irrigation in table grape: eco-physiological basis and potential use to save water and improve quality. Theoretical and Experimental Plant Physiology, 2016, 28, 85-108.	1.1	39
16	Transcriptomics and physiological analyses reveal co-ordinated alteration of metabolic pathways inJatropha curcasdrought tolerance. Journal of Experimental Botany, 2016, 67, 845-860.	2.4	29
17	Linking thermal imaging to physiological indicators in Carica papaya L. under different watering regimes. Agricultural Water Management, 2016, 164, 148-157.	2.4	30
18	Modern viticulture in southern Europe: Vulnerabilities and strategies for adaptation to water scarcity. Agricultural Water Management, 2016, 164, 5-18.	2.4	148

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19	OPEN ALL NIGHT LONG: The Dark Side of Stomatal Control. Plant Physiology, 2015, 167, 289-294.	2.3	49
20	Polyols in grape berry: transport and metabolic adjustments as a physiological strategy for water-deficit stress tolerance in grapevine. Journal of Experimental Botany, 2015, 66, 889-906.	2.4	92
21	Thermal imaging to phenotype traditional maize landraces for drought tolerance. Comunicata Scientiae, 2015, 6, 334.	0.4	7
22	Fisiologia e metabolismo foliar em duas variedades de videira sujeitas a um ciclo de dÃ©fice hÃdrico e reidrataÃ§Ã£o. Revista Brasileirade Ciencias Agrarias, 2015, 10, 211-217.	0.3	4
23	Comparison of methane, nitrous oxide fluxes and CO2 respiration rates from a Mediterranean cork oak ecosystem and improved pasture. Plant and Soil, 2014, 374, 883-898.	1.8	17
24	The dual effect of abscisic acid on stomata. New Phytologist, 2013, 197, 65-72.	3.5	276
25	Drought stress response in Jatropha curcas: Growth and physiology. Environmental and Experimental Botany, 2013, 85, 76-84.	2.0	159
26	Thermography to explore plantâ€“environment interactions. Journal of Experimental Botany, 2013, 64, 3937-3949.	2.4	286
27	DEFICIT IRRIGATION IN MEDITERRANEAN VINEYARDS - A TOOL TO INCREASE WATER USE EFFICIENCY AND TO CONTROL GRAPEVINE AND BERRY GROWTH. Acta Horticulturae, 2012, , 159-170.	0.1	6
28	Impact of irrigation regime on berry development and flavonoids composition in Aragonez (Syn.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	2.4	117
29	Grapevine varieties exhibiting differences in stomatal response to water deficit. Functional Plant Biology, 2012, 39, 179.	1.1	118
30	Combining cover cropping with deficit irrigation in a Mediterranean low vigor vineyard. Scientia Horticulturae, 2011, 129, 603-612.	1.7	88
31	Recent Advances in Photosynthesis Under Drought and Salinity. Advances in Botanical Research, 2011, 57, 49-104.	0.5	101
32	Grapevine under deficit irrigation: hints from physiological and molecular data. Annals of Botany, 2010, 105, 661-676.	1.4	623
33	Use of Thermal Imaging in Viticulture: Current Application and Future Prospects. , 2010, , 135-150.		11
34	Constitutive activation of a plasma membrane H+-ATPase prevents abscisic acid-mediated stomatal closure. EMBO Journal, 2007, 26, 3216-3226.	3.5	279
35	Deficit Irrigation as a Strategy to Save Water: Physiology and Potential Application to Horticulture. Journal of Integrative Plant Biology, 2007, 49, 1421-1434.	4.1	313
36	The effect of the original leaf area on growth of softwood cuttings and planting material of rose. Scientia Horticulturae, 2002, 95, 111-121.	1.7	17

#	Article	IF	Citations
37	Interdisciplinarity in action: Using infrared thermography to teach plantsâ€™ energy balance in secondary education. , 0, , .		0