

Josã© Moutinho-Pereira

List of Publications by Year in descending order

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114
papers

5,303
citations

76326

40
h-index

91884

69
g-index

117
all docs

117
docs citations

117
times ranked

5034
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of the Potential Climate Change Impacts and Adaptation Options for European Viticulture. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3092.	2.5	250
2	Cadmium toxicity affects photosynthesis and plant growth at different levels. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 1281-1289.	2.1	238
3	An overview of climate change impacts on European viticulture. <i>Food and Energy Security</i> , 2012, 1, 94-110.	4.3	221
4	Effect of Ripeness and Postharvest Storage on the Phenolic Profiles of Cherries (<i>Prunus avium</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 523-530.	5.2	212
5	Effect of ripeness and postharvest storage on the evolution of colour and anthocyanins in cherries (<i>Prunus avium</i> L.). <i>Food Chemistry</i> , 2007, 103, 976-984.	8.2	207
6	Sclerophylly and leaf anatomical traits of five field-grown olive cultivars growing under drought conditions. <i>Tree Physiology</i> , 2004, 24, 233-239.	3.1	174
7	Immediate responses and adaptative strategies of three olive cultivars under contrasting water availability regimes: Changes on structure and chemical composition of foliage and oxidative damage. <i>Plant Science</i> , 2006, 170, 596-605.	3.6	153
8	Scion-rootstock interaction affects the physiology and fruit quality of sweet cherry. <i>Tree Physiology</i> , 2006, 26, 93-104.	3.1	152
9	Future scenarios for viticultural zoning in Europe: ensemble projections and uncertainties. <i>International Journal of Biometeorology</i> , 2013, 57, 909-925.	3.0	132
10	Chromium (VI) induces toxicity at different photosynthetic levels in pea. <i>Plant Physiology and Biochemistry</i> , 2012, 53, 94-100.	5.8	130
11	Cowpea (<i>Vigna unguiculata</i> L. Walp.) Metabolomics: Osmoprotection as a Physiological Strategy for Drought Stress Resistance and Improved Yield. <i>Frontiers in Plant Science</i> , 2017, 8, 586.	3.6	130
12	Changes in growth, gas exchange, xylem hydraulic properties and water use efficiency of three olive cultivars under contrasting water availability regimes. <i>Environmental and Experimental Botany</i> , 2007, 60, 183-192.	4.2	126
13	Physiological behaviour, oxidative damage and antioxidative protection of olive trees grown under different irrigation regimes. <i>Plant and Soil</i> , 2007, 292, 1-12.	3.7	126
14	Drought Stress Effects and Olive Tree Acclimation under a Changing Climate. <i>Plants</i> , 2019, 8, 232.	3.5	121
15	Ultraviolet-B radiation and nitrogen affect the photosynthesis of maize: a Mediterranean field study. <i>European Journal of Agronomy</i> , 2005, 22, 337-347.	4.1	112
16	Effects of Elevated CO ₂ on Grapevine (<i>Vitis vinifera</i> L.): Volatile Composition, Phenolic Content, and in Vitro Antioxidant Activity of Red Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 265-273.	5.2	105
17	Statistical modelling of grapevine phenology in Portuguese wine regions: observed trends and climate change projections. <i>Journal of Agricultural Science</i> , 2016, 154, 795-811.	1.3	93
18	Climatic suitability of Portuguese grapevine varieties and climate change adaptation. <i>International Journal of Climatology</i> , 2016, 36, 1-12.	3.5	87

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19	Kaolin exogenous application boosts antioxidant capacity and phenolic content in berries and leaves of grapevine under summer stress. <i>Journal of Plant Physiology</i> , 2016, 191, 45-53.	3.5	77
20	Kaolin Foliar Application Has a Stimulatory Effect on Phenylpropanoid and Flavonoid Pathways in Grape Berries. <i>Frontiers in Plant Science</i> , 2016, 7, 1150.	3.6	76
21	Very high resolution bioclimatic zoning of Portuguese wine regions: present and future scenarios. <i>Regional Environmental Change</i> , 2014, 14, 295-306.	2.9	75
22	Kaolin-based, foliar reflective film protects photosystem II structure and function in grapevine leaves exposed to heat and high solar radiation. <i>Photosynthetica</i> , 2016, 54, 47-55.	1.7	72
23	Leaf Gas Exchange and Water Relations of Grapevines Grown in Three Different Conditions. <i>Photosynthetica</i> , 2004, 42, 81-86.	1.7	67
24	Physiological responses of different olive genotypes to drought conditions. <i>Acta Physiologiae Plantarum</i> , 2009, 31, 611-621.	2.1	67
25	Grapevine abiotic stress assessment and search for sustainable adaptation strategies in Mediterranean-like climates. A review. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	5.3	66
26	Integrated Analysis of Climate, Soil, Topography and Vegetative Growth in Iberian Viticultural Regions. <i>PLoS ONE</i> , 2014, 9, e108078.	2.5	65
27	Variation in xylem structure and function in roots and stems of scionâ€“rootstock combinations of sweet cherry tree (<i>Prunus avium</i> L.). <i>Trees - Structure and Function</i> , 2007, 21, 121-130.	1.9	61
28	Climate factors driving wine production in the Portuguese Minho region. <i>Agricultural and Forest Meteorology</i> , 2014, 185, 26-36.	4.8	58
29	Viticulture in Portugal: A review of recent trends and climate change projections. <i>Oeno One</i> , 2017, 51, 61-69.	1.4	57
30	Aluminium long-term stress differently affects photosynthesis in rye genotypes. <i>Plant Physiology and Biochemistry</i> , 2012, 54, 105-112.	5.8	56
31	Kaolin, an emerging tool to alleviate the effects of abiotic stresses on crop performance. <i>Scientia Horticulturae</i> , 2019, 250, 310-316.	3.6	55
32	Photosynthesis light-independent reactions are sensitive biomarkers to monitor lead phytotoxicity in a Pb-tolerant <i>Pisum sativum</i> cultivar. <i>Environmental Science and Pollution Research</i> , 2015, 22, 574-585.	5.3	52
33	Seed priming with iron and zinc in bread wheat: effects in germination, mitosis and grain yield. <i>Protoplasma</i> , 2018, 255, 1179-1194.	2.1	52
34	Rice (<i>Oryza sativa</i> L.) phenolic compounds under elevated carbon dioxide (CO ₂) concentration. <i>Environmental and Experimental Botany</i> , 2014, 99, 28-37.	4.2	51
35	Evaluating stress responses in cowpea under drought stress. <i>Journal of Plant Physiology</i> , 2019, 241, 153001.	3.5	50
36	Impacts of leafrollâ€“associated viruses (<sc>GLRaV</sc>â€“1 and â€“3) on the physiology of the <sc>P</sc>ortuguese grapevine cultivar â€“<sc>T</sc>ouriga <sc>N</sc>acionalâ€“™ growing under field conditions. <i>Annals of Applied Biology</i> , 2012, 160, 237-249.	2.5	46

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37	Soil nitrogen availability in olive orchards after mulching legume cover crop residues. <i>Scientia Horticulturae</i> , 2013, 158, 45-51.	3.6	45
38	Modeling Phenology, Water Status, and Yield Components of Three Portuguese Grapevines Using the STICS Crop Model. <i>American Journal of Enology and Viticulture</i> , 2015, 66, 482-491.	1.7	45
39	Kaolin modulates ABA and IAA dynamics and physiology of grapevine under Mediterranean summer stress. <i>Journal of Plant Physiology</i> , 2018, 220, 181-192.	3.5	45
40	UV-B radiation modulates physiology and lipophilic metabolite profile in <i>Olea europaea</i> . <i>Journal of Plant Physiology</i> , 2018, 222, 39-50.	3.5	44
41	Leaf structure and function of sweet cherry tree (<i>Prunus avium</i> L.) cultivars with open and dense canopies. <i>Scientia Horticulturae</i> , 2008, 116, 381-387.	3.6	43
42	Kaolin particle film application stimulates photoassimilate synthesis and modifies the primary metabolome of grape leaves. <i>Journal of Plant Physiology</i> , 2018, 223, 47-56.	3.5	43
43	Improvement of grapevine physiology and yield under summer stress by kaolin-foliar application: water relations, photosynthesis and oxidative damage. <i>Photosynthetica</i> , 2018, 56, 641-651.	1.7	42
44	Physiological Indicators of Plant Water Status of Irrigated and Non-irrigated Grapevines Grown in a Low Rainfall Area of Portugal. <i>Plant and Soil</i> , 2006, 282, 127-134.	3.7	40
45	Early-maturing annual legumes: an option for cover cropping in rainfed olive orchards. <i>Nutrient Cycling in Agroecosystems</i> , 2015, 103, 153-166.	2.2	40
46	Kaolin particle film application lowers oxidative damage and DNA methylation on grapevine (<i>Vitis</i>). <i>Trends in Plant Science</i> , 2018, 13, 40-42.	4.2	40
47	Olive Yields and Tree Nutritional Status during a Four-Year Period without Nitrogen and Boron Fertilization. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 803-814.	1.4	38
48	Salicylic acid modulates olive tree physiological and growth responses to drought and rewatering events in a dose dependent manner. <i>Journal of Plant Physiology</i> , 2018, 230, 21-32.	3.5	38
49	Examining the relationship between the Enhanced Vegetation Index and grapevine phenology. <i>European Journal of Remote Sensing</i> , 2014, 47, 753-771.	3.5	37
50	Different mechanisms of the metalliferous <i>Zygophyllum fabago</i> shoots and roots to cope with Pb toxicity. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1319-1330.	5.3	37
51	Gas exchange and water relations of three <i>Vitis vinifera</i> L. cultivars growing under Mediterranean climate. <i>Photosynthetica</i> , 2007, 45, .	1.7	36
52	Kaolin and salicylic acid alleviate summer stress in rainfed olive orchards by modulation of distinct physiological and biochemical responses. <i>Scientia Horticulturae</i> , 2019, 246, 201-211.	3.6	35
53	Water Use Strategies of Plants Under Drought Conditions. , 2012, , 145-170.		32
54	Ultraviolet-B Radiation and Nitrogen Affect Nutrient Concentrations and the Amount of Nutrients Acquired by Above-Ground Organs of Maize. <i>Scientific World Journal</i> , The, 2012, 2012, 1-11.	2.1	32

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55	Plasticity of young <i>Moringa oleifera</i> L. plants to face water deficit and UVB radiation challenges. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 278-285.	3.8	29
56	Kaolin and salicylic acid foliar application modulate yield, quality and phytochemical composition of olive pulp and oil from rainfed trees. <i>Scientia Horticulturae</i> , 2018, 237, 176-183.	3.6	29
57	Kaolin particle film modulates morphological, physiological and biochemical olive tree responses to drought and rewatering. <i>Plant Physiology and Biochemistry</i> , 2018, 133, 29-39.	5.8	29
58	Glyphosate-dependent effects on photosynthesis of <i>Solanum lycopersicum</i> L. – An ecophysiological, ultrastructural and molecular approach. <i>Journal of Hazardous Materials</i> , 2020, 398, 122871.	12.4	29
59	Foliar application of Sili-K [®] increases chestnut (<i>Castanea</i> spp.) growth and photosynthesis, simultaneously increasing susceptibility to water deficit. <i>Plant and Soil</i> , 2013, 365, 211-225.	3.7	28
60	Photosynthetic performance and volatile organic compounds profile in <i>Eucalyptus globulus</i> after UVB radiation. <i>Environmental and Experimental Botany</i> , 2017, 140, 141-149.	4.2	27
61	The role of nighttime water balance on <i>Olea europaea</i> plants subjected to contrasting water regimes. <i>Journal of Plant Physiology</i> , 2018, 226, 56-63.	3.5	27
62	Salicylic acid increases drought adaptability of young olive trees by changes on redox status and ionome. <i>Plant Physiology and Biochemistry</i> , 2019, 141, 315-324.	5.8	27
63	Photosynthetic parameters of <i>Ulmus minor</i> plantlets affected by irradiance during acclimatization. <i>Biologia Plantarum</i> , 2013, 57, 33-40.	1.9	24
64	Olive tree physiology and chemical composition of fruits are modulated by different deficit irrigation strategies. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 682-694.	3.5	24
65	Study of the effects of foliar application of ABA during acclimatization. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 117, 213-224.	2.3	23
66	Olive tree response to applied phosphorus in field and pot experiments. <i>Scientia Horticulturae</i> , 2018, 234, 236-244.	3.6	23
67	Responses of olive plants exposed to different irrigation treatments in combination with heat shock: physiological and molecular mechanisms during exposure and recovery. <i>Planta</i> , 2019, 249, 1583-1598.	3.2	21
68	Physiological mechanisms to cope with Cr(VI) toxicity in lettuce: can lettuce be used in Cr phytoremediation?. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15627-15637.	5.3	20
69	Physiological and biochemical responses of Semillon and Muscat Blanc ^À Petits Grains winegrapes grown under Mediterranean climate. <i>Scientia Horticulturae</i> , 2014, 175, 128-138.	3.6	19
70	Physiological response to drought in seedlings of <i>Pistacia lentiscus</i> (mastic tree). <i>New Forests</i> , 2016, 47, 119-130.	1.7	18
71	The effect of nitrogen applications on the growth of young olive trees and nitrogen use efficiency. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2020, 44, 278-289.	2.1	17
72	Overview of Kaolin Outcomes from Vine to Wine: Cerceal White Variety Case Study. <i>Agronomy</i> , 2020, 10, 1422.	3.0	17

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73	Liming and application of nitrogen, phosphorus, potassium, and boron on a young plantation of chestnut. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2017, 41, 441-451.	2.1	16
74	Enhanced Ultraviolet-B Radiation Affect Growth, Yield and Physiological Processes on Triticale Plants. <i>Procedia Environmental Sciences</i> , 2015, 29, 219-220.	1.4	15
75	Effects of Open-Top Chambers on physiological and yield attributes of field grown grapevines. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 395-403.	2.1	14
76	Leguminous Cover Crops Improve the Profitability and the Sustainability of Rainfed Olive (<i>Olea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 <i>Environmental Sciences</i> , 2015, 29, 282-283.	1.4	14
77	EFFECT OF IRRIGATION ON PHYSIOLOGICAL AND BIOCHEMICAL TRAITS OF HAZELNUTS (<i>CORYLUS AVELLANA</i>) Tj ETQq1 1 0,784314 12	0.2	12
78	Nucleolar activity and physical location of ribosomal DNA loci in <i>Vitis vinifera</i> L. by silver staining and sequential FISH. <i>Scientia Horticulturae</i> , 2018, 232, 57-62.	3.6	11
79	Olive response to potassium applications under different water regimes and cultivars. <i>Nutrient Cycling in Agroecosystems</i> , 2018, 112, 387-401.	2.2	10
80	Foliar Pre-Treatment with Abscisic Acid Enhances Olive Tree Drought Adaptability. <i>Plants</i> , 2020, 9, 341.	3.5	10
81	Inorganic Fertilization at High N Rate Increased Olive Yield of a Rainfed Orchard but Reduced Soil Organic Matter in Comparison to Three Organic Amendments. <i>Agronomy</i> , 2021, 11, 2172.	3.0	10
82	Linking Sap Flow and Trunk Diameter Measurements to Assess Water Dynamics of Touriga-Nacional Grapevines Trained in Cordon and Guyot Systems. <i>Agriculture (Switzerland)</i> , 2020, 10, 315.	3.1	9
83	Optimising grapevine summer stress responses and hormonal balance by applying kaolin in two Portuguese Demarcated Regions. <i>Oeno One</i> , 2021, 55, 207-222.	1.4	9
84	Phytochemical screening and antioxidant activity on berry, skin, pulp and seed from seven red Mediterranean grapevine varieties (<i>Vitis vinifera</i> L.) treated with kaolin foliar sunscreen. <i>Scientia Horticulturae</i> , 2021, 281, 109962.	3.6	9
85	Physiological, Biochemical and Molecular Assessment of UV-A and UV-B Supplementation in <i>Solanum lycopersicum</i> . <i>Plants</i> , 2021, 10, 918.	3.5	9
86	Uncovering the effects of kaolin on balancing berry phytohormones and quality attributes of <i>Vitis vinifera</i> grown in warm-temperate climate regions. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 782-793.	3.5	9
87	Grey and Black Anti-Hail Nets Ameliorated Apple (<i>Malus Æ— domestica</i> Borkh. cv. Golden Delicious) Physiology under Mediterranean Climate. <i>Plants</i> , 2021, 10, 2578.	3.5	9
88	Photosynthesis, Yield, Nutrient Availability and Soil Properties after Biochar, Zeolites or Mycorrhizal Inoculum Application to a Mature Rainfed Olive Orchard. <i>Agriculture (Switzerland)</i> , 2022, 12, 171.	3.1	9
89	Differential physiological and genetic responses of five European Scots pine provenances to induced water stress. <i>Journal of Plant Physiology</i> , 2017, 215, 100-109.	3.5	8
90	Physiological characterization and true-to-typeness evaluation of in vitro and ex vitro seedlings of <i>Pinus elliottii</i> : A contribution to breeding programs. <i>Plant Physiology and Biochemistry</i> , 2016, 107, 222-227.	5.8	7

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91	A controlled-release fertilizer improved soil fertility but not olive tree performance. Nutrient Cycling in Agroecosystems, 2021, 120, 1-15.	2.2	7
92	Fine-tuning of grapevine xanthophyll-cycle and energy dissipation under Mediterranean conditions by kaolin particle-film. Scientia Horticulturae, 2022, 291, 110584.	3.6	7
93	Effects of surface and subsurface drip irrigation on physiology and yield of "Godello"™ grapevines grown in Galicia, NW Spain. Ciencia E Tecnica Vitivinicola, 2017, 32, 42-52.	0.9	6
94	Effects of water and nutrient availability on morphological, physiological, and biochemical traits of one invasive and one native grass of a Neotropical savanna. Environmental and Experimental Botany, 2021, 182, 104305.	4.2	6
95	Kaolin foliar spray improves olive tree performance and yield under sustained deficit irrigation. Scientia Horticulturae, 2021, 277, 109795.	3.6	6
96	Kaolin Application Modulates Grapevine Photochemistry and Defence Responses in Distinct Mediterranean-Type Climate Vineyards. Agronomy, 2021, 11, 477.	3.0	6
97	Short-term adaptation of European viticulture to climate change: an overview from the H2020 Clim4Vitis action. IVES Technical Reviews Vine and Wine, 0, , .	0.0	6
98	Long-term adaptation of European viticulture to climate change: an overview from the H2020 Clim4Vitis action. IVES Technical Reviews Vine and Wine, 0, , .	0.0	6
99	EFFECT OF TRAINING SYSTEM ON HAZELNUT (CORYLUS AVELLANA) PHYSIOLOGY. Acta Horticulturae, 2009, , 239-244.	0.2	5
100	Viticulture in Portugal: A review of recent trends and climate change projections. Oeno One, 2017, 51, 61.	1.4	5
101	Enhanced Yield and Physiological Performance of Mediterranean Grapevines through Foliar Kaolin Spray. Procedia Environmental Sciences, 2015, 29, 247-248.	1.4	4
102	Particle film technology modulates xanthophyll cycle and photochemical dynamics of grapevines grown in the Douro Valley. Plant Physiology and Biochemistry, 2021, 162, 647-655.	5.8	4
103	Kaolin impacts on hormonal balance, polyphenolic composition and oenological parameters in red grapevine berries during ripening. Journal of Berry Research, 2021, 11, 465-479.	1.4	4
104	Silicon Titanium Oxide Nanoparticles Can Stimulate Plant Growth and the Photosynthetic Pigments on Lettuce Crop. Agriculture, 2020, 66, 148-160.	0.4	4
105	Grapevines Growing Under Future RCP Scenarios in Europe. Procedia Environmental Sciences, 2015, 29, 20.	1.4	3
106	Leaf morpho-physiological dynamics in Salvia officinalis L. var. purpurascens. Turkish Journal of Botany, 2017, 41, 134-144.	1.2	3
107	Pinus elliottii and P. elliottii x P. caribaea hybrid differently cope with combined drought and heat episodes. Industrial Crops and Products, 2022, 176, 114428.	5.2	3
108	RELATIONSHIPS AMONG SWEET CHERRY LEAF GAS EXCHANGE, MORPHOLOGY AND CHEMICAL COMPOSITION. Acta Horticulturae, 2008, , 633-638.	0.2	2

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109	Screening for drought resistance during germination of modern and old Iberian wheat cultivars. Acta Botanica Croatica, 2019, 78, 169-174.	0.7	2
110	LATE SEASON LEAF GAS EXCHANGE OF THREE YOUNG CHERRY CULTIVARS GROWING ON FIVE ROOTSTOCKS. Acta Horticulturae, 2004, , 159-165.	0.2	1
111	Processed kaolin particles film, an environment friendly and climate change mitigation strategy tool for Mediterranean vineyards. , 2022, , 165-185.		1
112	Phytotoxicity of natural soils using physiological and biochemical endpoints reveals confounding factors: can a weight of evidence tackle uncertainty?. Journal of Soils and Sediments, 2016, 16, 785-800.	3.0	0
113	South American and African Grass Species Cope Differently With Soil Water Availability. Journal of Agricultural Science, 2019, 11, 64.	0.2	0
114	Role of Exogenous Salicylic Acid in Drought-Stress Adaptability in a Changing Environment. , 2020, , 119-130.		0