

Jos Moutinho-Pereira

List of Publications by Citations

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110
papers

3,645
citations

34
h-index

57
g-index

117
ext. papers

4,371
ext. citations

3.7
avg, IF

5.34
L-index

#	Paper	IF	Citations
110	Cadmium toxicity affects photosynthesis and plant growth at different levels. <i>Acta Physiologiae Plantarum</i> , 2013 , 35, 1281-1289	2.6	183
109	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, 523-30	5.7	172
108	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	8.5	164
107	An overview of climate change impacts on European viticulture. <i>Food and Energy Security</i> , 2012 , 1, 94-110	10.1	144
106	Sclerophylly and leaf anatomical traits of five field-grown olive cultivars growing under drought conditions. <i>Tree Physiology</i> , 2004 , 24, 233-9	4.2	133
105	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	5.3	126
104	A Review of the Potential Climate Change Impacts and Adaptation Options for European Viticulture. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3092	2.6	112
103	Physiological behaviour, oxidative damage and antioxidative protection of olive trees grown under different irrigation regimes. <i>Plant and Soil</i> , 2007 , 292, 1-12	4.2	110
102	Scion-rootstock interaction affects the physiology and fruit quality of sweet cherry. <i>Tree Physiology</i> , 2006 , 26, 93-104	4.2	105
101	Future scenarios for viticultural zoning in Europe: ensemble projections and uncertainties. <i>International Journal of Biometeorology</i> , 2013 , 57, 909-25	3.7	101
100	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	5.9	101
99	Chromium (VI) induces toxicity at different photosynthetic levels in pea. <i>Plant Physiology and Biochemistry</i> , 2012 , 53, 94-100	5.4	96
98	Ultraviolet-B radiation and nitrogen affect the photosynthesis of maize: a Mediterranean field study. <i>European Journal of Agronomy</i> , 2005 , 22, 337-347	5	91
97	Cowpea (<i>L. Walp.</i>) Metabolomics: Osmoprotection as a Physiological Strategy for Drought Stress Resistance and Improved Yield. <i>Frontiers in Plant Science</i> , 2017 , 8, 586	6.2	82
96	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	64
95	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, 265-73	5.7	63
94	Climatic suitability of Portuguese grapevine varieties and climate change adaptation. <i>International Journal of Climatology</i> , 2016 , 36, 1-12	3.5	58

93	Very high resolution bioclimatic zoning of Portuguese wine regions: present and future scenarios. <i>Regional Environmental Change</i> , 2014 , 14, 295-306	4.3	57
92	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	3.6	56
91	Leaf Gas Exchange and Water Relations of Grapevines Grown in Three Different Conditions. <i>Photosynthetica</i> , 2004 , 42, 81-86	2.2	54
90	Kaolin Foliar Application Has a Stimulatory Effect on Phenylpropanoid and Flavonoid Pathways in Grape Berries. <i>Frontiers in Plant Science</i> , 2016 , 7, 1150	6.2	53
89	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	2.2	52
88	Drought Stress Effects and Olive Tree Acclimation under a Changing Climate. <i>Plants</i> , 2019 , 8,	4.5	51
87	Physiological responses of different olive genotypes to drought conditions. <i>Acta Physiologiae Plantarum</i> , 2009 , 31, 611-621	2.6	50
86	Variation in xylem structure and function in roots and stems of scion-footstock combinations of sweet cherry tree (<i>Prunus avium</i> L.). <i>Trees - Structure and Function</i> , 2007 , 21, 121-130	2.6	49
85	Climate factors driving wine production in the Portuguese Minho region. <i>Agricultural and Forest Meteorology</i> , 2014 , 185, 26-36	5.8	48
84	Integrated analysis of climate, soil, topography and vegetative growth in Iberian viticultural regions. <i>PLoS ONE</i> , 2014 , 9, e108078	3.7	48
83	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	5.9	42
82	Seed priming with iron and zinc in bread wheat: effects in germination, mitosis and grain yield. <i>Protoplasma</i> , 2018 , 255, 1179-1194	3.4	39
81	Aluminium long-term stress differently affects photosynthesis in rye genotypes. <i>Plant Physiology and Biochemistry</i> , 2012 , 54, 105-12	5.4	39
80	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, 574-85	5.1	39
79	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	6.8	39
78	Viticulture in Portugal: A review of recent trends and climate change projections. <i>Oeno One</i> , 2017 , 51, 61-69	3.3	38
77	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	2.2	34
76	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	4.2	34

75	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	4.1	32
74	Kaolin modulates ABA and IAA dynamics and physiology of grapevine under Mediterranean summer stress. <i>Journal of Plant Physiology</i> , 2018 , 220, 181-192	3.6	31
73	Kaolin particle film application lowers oxidative damage and DNA methylation on grapevine (<i>Vitis vinifera</i> L.). <i>Environmental and Experimental Botany</i> , 2017 , 139, 39-47	5.9	30
72	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	5.1	30
71	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	1.5	30
70	Gas exchange and water relations of three <i>Vitis vinifera</i> L. cultivars growing under Mediterranean climate. <i>Photosynthetica</i> , 2007 , 45,	2.2	30
69	Kaolin, an emerging tool to alleviate the effects of abiotic stresses on crop performance. <i>Scientia Horticulturae</i> , 2019 , 250, 310-316	4.1	29
68	Impacts of leafroll-associated viruses (GLRaV-1 and -3) on the physiology of the Portuguese grapevine cultivar Mouriga Nacional growing under field conditions. <i>Annals of Applied Biology</i> , 2012 , 160, 237-249	2.6	29
67	Early-maturing annual legumes: an option for cover cropping in rainfed olive orchards. <i>Nutrient Cycling in Agroecosystems</i> , 2015 , 103, 153-166	3.3	28
66	Soil nitrogen availability in olive orchards after mulching legume cover crop residues. <i>Scientia Horticulturae</i> , 2013 , 158, 45-51	4.1	28
65	UV-B radiation modulates physiology and lipophilic metabolite profile in <i>Olea europaea</i> . <i>Journal of Plant Physiology</i> , 2018 , 222, 39-50	3.6	27
64	Examining the relationship between the Enhanced Vegetation Index and grapevine phenology. <i>European Journal of Remote Sensing</i> , 2014 , 47, 753-771	2.9	27
63	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	3.6	26
62	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	2.2	26
61	Photosynthetic parameters of <i>Ulmus minor</i> plantlets affected by irradiance during acclimatization. <i>Biologia Plantarum</i> , 2013 , 57, 33-40	2.1	23
60	Evaluating stress responses in cowpea under drought stress. <i>Journal of Plant Physiology</i> , 2019 , 241, 1530-1541	3.0	22
59	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	3.6	22
58	Ultraviolet-B radiation and nitrogen affect nutrient concentrations and the amount of nutrients acquired by above-ground organs of maize. <i>Scientific World Journal, The</i> , 2012 , 2012, 608954	2.2	22

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	5.4	22
56	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	6.7	21
55	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	4.1	21
54	Water Use Strategies of Plants Under Drought Conditions 2012 , 145-170		20
53	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	5.9	19
52	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	3.6	19
51	Foliar application of Sili-K \square increases chestnut (<i>Castanea</i> spp.) growth and photosynthesis, simultaneously increasing susceptibility to water deficit. <i>Plant and Soil</i> , 2013 , 365, 211-225	4.2	19
50	Study of the effects of foliar application of ABA during acclimatization. <i>Plant Cell, Tissue and Organ Culture</i> , 2014 , 117, 213-224	2.7	18
49	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	4.1	16
48	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, 15627-37	5.1	16
47	Physiological and biochemical responses of Semillon and Muscat Blanc \square Petits Grains winegrapes grown under Mediterranean climate. <i>Scientia Horticulturae</i> , 2014 , 175, 128-138	4.1	15
46	Olive tree response to applied phosphorus in field and pot experiments. <i>Scientia Horticulturae</i> , 2018 , 234, 236-244	4.1	14
45	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	4.3	14
44	Physiological response to drought in seedlings of <i>Pistacia lentiscus</i> (mastic tree). <i>New Forests</i> , 2016 , 47, 119-130	2.6	13
43	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	5.4	12
42	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	12.8	12
41	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	4.7	11
40	Enhanced Ultraviolet-B Radiation Affect Growth, Yield and Physiological Processes on Triticale Plants. <i>Procedia Environmental Sciences</i> , 2015 , 29, 219-220		10

39	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	2.2	10
38	Effects of Open-Top Chambers on physiological and yield attributes of field grown grapevines. <i>Acta Physiologiae Plantarum</i> , 2010 , 32, 395-403	2.6	10
37	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	2.2	10
36	Overview of Kaolin Outcomes from Vine to Wine: Cerceal White Variety Case Study. <i>Agronomy</i> , 2020 , 10, 1422	3.6	9
35	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	4.1	8
34	EFFECT OF IRRIGATION ON PHYSIOLOGICAL AND BIOCHEMICAL TRAITS OF HAZELNUTS (<i>CORYLUS AVELLANA</i> L.). <i>Acta Horticulturae</i> , 2005 , 201-206	0.3	8
33	Leguminous Cover Crops Improve the Profitability and the Sustainability of Rainfed Olive (<i>Olea europaea</i> L.) Orchards: From Soil Biology to Physiology of Yield Determination. <i>Procedia Environmental Sciences</i> , 2015 , 29, 282-283		7
32	Effects of surface and subsurface drip irrigation on physiology and yield of 'Rodello' grapevines grown in Galicia, NW Spain. <i>Ciencia E Tecnica Vitivinicola</i> , 2017 , 32, 42-52	1	6
31	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	5.4	5
30	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	4.3	5
29	Olive response to potassium applications under different water regimes and cultivars. <i>Nutrient Cycling in Agroecosystems</i> , 2018 , 112, 387-401	3.3	5
28	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	3.6	4
27	Enhanced Yield and Physiological Performance of Mediterranean Grapevines through Foliar Kaolin Spray. <i>Procedia Environmental Sciences</i> , 2015 , 29, 247-248		4
26	Optimising grapevine summer stress responses and hormonal balance by applying kaolin in two Portuguese Demarcated Regions. <i>Oeno One</i> , 2021 , 55, 207-222	3.3	4
25	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	4.1	4
24	Foliar Pre-Treatment with Abscisic Acid Enhances Olive Tree Drought Adaptability. <i>Plants</i> , 2020 , 9,	4.5	3
23	Leaf morpho-physiological dynamics in <i>Salvia officinalis</i> L. var. <i>purpurascens</i> . <i>Turkish Journal of Botany</i> , 2017 , 41, 134-144	1.3	3
22	Grapevines Growing Under Future RCP Scenarios in Europe. <i>Procedia Environmental Sciences</i> , 2015 , 29, 20		3

21	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	3
20	Physiological, Biochemical and Molecular Assessment of UV-A and UV-B Supplementation in. <i>Plants</i> , 2021 , 10,	4.5	3
19	EFFECT OF TRAINING SYSTEM ON HAZELNUT (CORYLUS AVELLANA) PHYSIOLOGY. <i>Acta Horticulturae</i> , 2009 , 239-244	0.3	2
18	RELATIONSHIPS AMONG SWEET CHERRY LEAF GAS EXCHANGE, MORPHOLOGY AND CHEMICAL COMPOSITION. <i>Acta Horticulturae</i> , 2008 , 633-638	0.3	2
17	Screening for drought resistance during germination of modern and old Iberian wheat cultivars. <i>Acta Botanica Croatica</i> , 2019 , 78, 169-174	0.8	2
16	Kaolin foliar spray improves olive tree performance and yield under sustained deficit irrigation. <i>Scientia Horticulturae</i> , 2021 , 277, 109795	4.1	2
15	Fine-tuning of grapevine xanthophyll-cycle and energy dissipation under Mediterranean conditions by kaolin particle-film. <i>Scientia Horticulturae</i> , 2022 , 291, 110584	4.1	2
14	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
13	Grey and Black Anti-Hail Nets Ameliorated Apple (Borkh. cv. Golden Delicious) Physiology under Mediterranean Climate.. <i>Plants</i> , 2021 , 10,	4.5	1
12	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	3.6	1
11	Silicon Titanium Oxide Nanoparticles Can Stimulate Plant Growth and the Photosynthetic Pigments on Lettuce Crop. <i>Agriculture</i> , 2020 , 66, 148-160	0.6	1
10	Kaolin Application Modulates Grapevine Photochemistry and Defence Responses in Distinct Mediterranean-Type Climate Vineyards. <i>Agronomy</i> , 2021 , 11, 477	3.6	1
9	Metabolic rearrangements in grapevine response to salt stress 2016 , 279-298		1
8	Effects of water and nutrient availability on morphological, physiological, and biochemical traits of one invasive and one native grass of a Neotropical savanna. <i>Environmental and Experimental Botany</i> , 2021 , 182, 104305	5.9	1
7	Kaolin impacts on hormonal balance, polyphenolic composition and oenological parameters in red grapevine berries during ripening. <i>Journal of Berry Research</i> , 2021 , 11, 465-479	2	1
6	<i>Pinus elliottii</i> and <i>P. elliottii</i> x <i>P. caribaea</i> hybrid differently cope with combined drought and heat episodes. <i>Industrial Crops and Products</i> , 2022 , 176, 114428	5.9	0
5	A controlled-release fertilizer improved soil fertility but not olive tree performance. <i>Nutrient Cycling in Agroecosystems</i> , 2021 , 120, 1-15	3.3	0
4	Particle film technology modulates xanthophyll cycle and photochemical dynamics of grapevines grown in the Douro Valley. <i>Plant Physiology and Biochemistry</i> , 2021 , 162, 647-655	5.4	0

- 3 Processed kaolin particles film, an environment friendly and climate change mitigation strategy tool for Mediterranean vineyards **2022**, 165-185 o
- 2 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 3-4
- 1 Role of Exogenous Salicylic Acid in Drought-Stress Adaptability in a Changing Environment **2020**, 119-130