

Je Fernández

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,435
citations

304602

22
h-index

360920

35
g-index

37
all docs

37
docs citations

37
times ranked

2234
citing authors

#	ARTICLE	IF	CITATIONS
1	CuO, ZrO ₂ and ZnO nanoparticles as antiwear additive in oil lubricants. <i>Wear</i> , 2008, 265, 422-428.	1.5	575
2	Water use indicators and economic analysis for on-farm irrigation decision: A case study of a super high density olive tree orchard. <i>Agricultural Water Management</i> , 2020, 237, 106074.	2.4	237
3	Irrigation scheduling from stem diameter variations: A review. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 135-151.	1.9	217
4	Stomatal control of water use in olive tree leaves. <i>Plant and Soil</i> , 1997, 190, 179-192.	1.8	174
5	Heat-pulse measurements of sap flow in olives for automating irrigation: tests, root flow and diagnostics of water stress. <i>Agricultural Water Management</i> , 2001, 51, 99-123.	2.4	169
6	Wear prevention behaviour of nanoparticle suspension under extreme pressure conditions. <i>Wear</i> , 2007, 263, 1568-1574.	1.5	106
7	Plant-based sensing to monitor water stress: Applicability to commercial orchards. <i>Agricultural Water Management</i> , 2014, 142, 99-109.	2.4	81
8	Water balance and nitrate leaching in an irrigated maize crop in SW Spain. <i>Agricultural Water Management</i> , 1996, 32, 71-83.	2.4	78
9	Online-monitoring of tree water stress in a hedgerow olive orchard using the leaf patch clamp pressure probe. <i>Agricultural Water Management</i> , 2011, 100, 25-35.	2.4	64
10	Steps toward an improvement in process-based models of water use by fruit trees: A case study in olive. <i>Agricultural Water Management</i> , 2012, 114, 37-49.	2.4	62
11	The dynamics of radial sap flux density reflects changes in stomatal conductance in response to soil and air water deficit. <i>Agricultural and Forest Meteorology</i> , 2016, 218-219, 92-101.	1.9	58
12	Assessment of trunk diameter variation derived indices as water stress indicators in mature olive trees. <i>Agricultural Water Management</i> , 2010, 97, 1293-1302.	2.4	57
13	Scheduling regulated deficit irrigation in a hedgerow olive orchard from leaf turgor pressure related measurements. <i>Agricultural Water Management</i> , 2016, 164, 28-37.	2.4	54
14	Photosynthetic limitations by water deficit: Effect on fruit and olive oil yield, leaf area and trunk diameter and its potential use to control vegetative growth of super-high density olive orchards. <i>Agricultural Water Management</i> , 2017, 184, 9-18.	2.4	50
15	Irrigation with saline water in the reclaimed marsh soils of south-west Spain: impact on soil properties and cotton and sugar beet crops. <i>Agricultural Water Management</i> , 2001, 48, 133-150.	2.4	47
16	Leaf patch clamp pressure probe measurements on olive leaves in a nearly turgorless state. <i>Plant Biology</i> , 2012, 14, 666-674.	1.8	47
17	Determining water consumption in olive orchards using the water balance approach. <i>Agricultural Water Management</i> , 2002, 55, 15-35.	2.4	46
18	Assessing plant water status in a hedgerow olive orchard from thermography at plant level. <i>Agricultural Water Management</i> , 2017, 188, 50-60.	2.4	42

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19	Concomitant measurements of stem sap flow and leaf turgor pressure in olive trees using the leaf patch clamp pressure probe. <i>Agricultural Water Management</i> , 2012, 114, 50-58.	2.4	37
20	Use of maximum trunk diameter measurements to detect water stress in mature "Arbequina"™ olive trees under deficit irrigation. <i>Agricultural Water Management</i> , 2011, 98, 1813-1821.	2.4	36
21	Water use and yield of maize with two levels of nitrogen fertilization in SW Spain. <i>Agricultural Water Management</i> , 1996, 29, 215-233.	2.4	35
22	Water status, gas exchange and crop performance in a super high density olive orchard under deficit irrigation scheduled from leaf turgor measurements. <i>Agricultural Water Management</i> , 2018, 202, 241-252.	2.4	25
23	Sensitivity of olive leaf turgor to air vapour pressure deficit correlates with diurnal maximum stomatal conductance. <i>Agricultural and Forest Meteorology</i> , 2019, 272-273, 156-165.	1.9	23
24	Simulating the fate of water in a soil-crop system of a semi-arid Mediterranean area with the WAVE 2.1 and the EURO-ACCESS-II models. <i>Agricultural Water Management</i> , 2002, 56, 113-129.	2.4	19
25	Is the productive performance of olive trees under localized irrigation affected by leaving some roots in drying soil?. <i>Agricultural Water Management</i> , 2013, 123, 79-92.	2.4	18
26	Relationships between fruit growth and oil accumulation with simulated seasonal dynamics of leaf gas exchange in the olive tree. <i>Agricultural and Forest Meteorology</i> , 2018, 256-257, 458-469.	1.9	18
27	Chloridazon and lenacil dissipation in a clayey soil of the Guadalquivir river marshes (southwest) Tj ETQq1 1 0.784314 rgBT /Oyerlock 2.5 12	2.5	12
28	Effect of Fertigation on the "Manzanilla de Sevilla"™ Table Olive Quality Before and After "Spanish-style" Green Processing. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 153-158.	0.5	12
29	Simulation of the impact of subsoil compaction on soil water balance and crop yield of irrigated maize on a loamy sand soil in SW Spain. <i>Soil and Tillage Research</i> , 2003, 73, 31-41.	2.6	11
30	Evaluating the effectiveness of a hydrophobic polymer for conserving water and reducing weed infection in a sandy loam soil. <i>Agricultural Water Management</i> , 2001, 51, 29-51.	2.4	9
31	Response of vegetative and fruit growth to the soil volume wetted by irrigation in a super-high-density olive orchard. <i>Agricultural Water Management</i> , 2021, 258, 107197.	2.4	5
32	New approaches for precise irrigation in hedgerow olive orchards. <i>Acta Horticulturae</i> , 2018, , 225-240.	0.1	4
33	Irrigation scheduling in a high-density olive orchard from estimated stomatal conductance. <i>Acta Horticulturae</i> , 2019, , 449-456.	0.1	3
34	Does precision irrigation help to reduce water consumption in agriculture?. <i>Acta Horticulturae</i> , 2019, , 199-206.	0.1	3
35	USING PLANT-BASED INDICATORS TO SCHEDULE IRRIGATION IN OLIVE. <i>Acta Horticulturae</i> , 2011, , 207-214.	0.1	1
36	Estado actual de la programación del riego en limonero mediante medidas del estado hídrico. <i>Ingeniería Del Agua</i> , 2007, 14, 215.	0.2	0

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37	Scheduling regulated deficit irrigation in olive using leaf turgor measurements: another twist for the method. <i>Acta Horticulturae</i> , 2022, , 289-294.	0.1	0