

Elias Fereres

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

7,888
citations

201674

27
h-index

330143

37
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43
all docs

43
docs citations

43
times ranked

6794
citing authors

#	ARTICLE	IF	CITATIONS
1	Deficit irrigation for reducing agricultural water use. <i>Journal of Experimental Botany</i> , 2006, 58, 147-159.	4.8	1,240
2	AquaCrop® The FAO Crop Model to Simulate Yield Response to Water: I. Concepts and Underlying Principles. <i>Agronomy Journal</i> , 2009, 101, 426-437.	1.8	1,175
3	Thermal and Narrowband Multispectral Remote Sensing for Vegetation Monitoring From an Unmanned Aerial Vehicle. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009, 47, 722-738.	6.3	972
4	AquaCrop® The FAO Crop Model to Simulate Yield Response to Water: II. Main Algorithms and Software Description. <i>Agronomy Journal</i> , 2009, 101, 438-447.	1.8	709
5	AquaCrop® The FAO Crop Model to Simulate Yield Response to Water: III. Parameterization and Testing for Maize. <i>Agronomy Journal</i> , 2009, 101, 448-459.	1.8	456
6	On the conservative behavior of biomass water productivity. <i>Irrigation Science</i> , 2007, 25, 189-207.	2.8	362
7	Similar estimates of temperature impacts on global wheat yield by three independent methods. <i>Nature Climate Change</i> , 2016, 6, 1130-1136.	18.8	352
8	Yield Responses of a Mature Olive Orchard to Water Deficits. <i>Journal of the American Society for Horticultural Science</i> , 2003, 128, 425-431.	1.0	343
9	A systematic and quantitative approach to improve water use efficiency in agriculture. <i>Irrigation Science</i> , 2007, 25, 209-231.	2.8	248
10	Irrigation scheduling protocols using continuously recorded trunk diameter measurements. <i>Irrigation Science</i> , 2001, 20, 115-125.	2.8	234
11	AquaCrop: FAO's crop water productivity and yield response model. <i>Environmental Modelling and Software</i> , 2014, 62, 351-360.	4.5	221
12	Combining the simulation crop model AquaCrop with an economic model for the optimization of irrigation management at farm level. <i>European Journal of Agronomy</i> , 2012, 36, 21-31.	4.1	172
13	The uncertainty of crop yield projections is reduced by improved temperature response functions. <i>Nature Plants</i> , 2017, 3, 17102.	9.3	170
14	Sensitivity of Continuous and Discrete Plant and Soil Water Status Monitoring in Peach Trees Subjected to Deficit Irrigation. <i>Journal of the American Society for Horticultural Science</i> , 1999, 124, 437-444.	1.0	151
15	Irrigation Water Management of Horticultural Crops. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2003, 38, 1036-1042.	1.0	144
16	Multimodel ensembles improve predictions of crop-environment-management interactions. <i>Global Change Biology</i> , 2018, 24, 5072-5083.	9.5	111
17	Irrigation of fruit trees and vines: an introduction. <i>Irrigation Science</i> , 2006, 24, 55-57.	2.8	101
18	Soil evaporation from drip-irrigated olive orchards. <i>Irrigation Science</i> , 2001, 20, 65-71.	2.8	94

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19	Airborne Thermal Imagery to Detect the Seasonal Evolution of Crop Water Status in Peach, Nectarine and Saturn Peach Orchards. <i>Remote Sensing</i> , 2016, 8, 39.	4.0	83
20	Reflections on food security under water scarcity. <i>Journal of Experimental Botany</i> , 2011, 62, 4079-4086.	4.8	80
21	Efficiency of water use of early plantings of sunflower. <i>European Journal of Agronomy</i> , 2004, 21, 465-476.	4.1	73
22	Modelling canopy conductance and transpiration of fruit trees in Mediterranean areas: A simplified approach. <i>Agricultural and Forest Meteorology</i> , 2013, 171-172, 93-103.	4.8	66
23	Using NDVI for the assessment of canopy cover in agricultural crops within modelling research. <i>Computers and Electronics in Agriculture</i> , 2021, 182, 106038.	7.7	48
24	Water use of irrigated almond trees when subjected to water deficits. <i>Agricultural Water Management</i> , 2018, 195, 84-93.	5.6	41
25	Water modelling approaches and opportunities to simulate spatial water variations at crop field level. <i>Agricultural Water Management</i> , 2020, 240, 106254.	5.6	32
26	Balancing crop yield and water productivity tradeoffs in herbaceous and woody crops. <i>Functional Plant Biology</i> , 2014, 41, 1009.	2.1	28
27	Can almond trees directly dictate their irrigation needs?. <i>California Agriculture</i> , 2003, 57, 138-144.	0.8	28
28	Concepts and Applications of AquaCrop: The FAO Crop Water Productivity Model. , 2009, , 175-191.		25
29	Effects of water deficits on whole tree water use efficiency of orange. <i>Agricultural Water Management</i> , 2014, 140, 61-68.	5.6	23
30	Long-term almond yield response to deficit irrigation. <i>Irrigation Science</i> , 2021, 39, 409-420.	2.8	20
31	Yield response of almond trees to transpiration deficits. <i>Irrigation Science</i> , 2018, 36, 111-120.	2.8	17
32	Modeling Sugar Beet Responses to Irrigation with AquaCrop for Optimizing Water Allocation. <i>Water (Switzerland)</i> , 2019, 11, 1918.	2.7	14
33	A global analysis of irrigation scheme water supplies in relation to requirements. <i>Agricultural Water Management</i> , 2021, 243, 106457.	5.6	11
34	Calibration and validation of the FAO AquaCrop water productivity model for cassava (Manihot) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	5.6	11
35	Water productivity and net profit of high-density olive orchards in San Juan, Argentina. <i>Agricultural Water Management</i> , 2021, 252, 106878.	5.6	10
36	SHui, an EU-Chinese cooperative project to optimize soil and water management in agricultural areas in the XXI century. <i>International Soil and Water Conservation Research</i> , 2020, 8, 1-14.	6.5	5

#	ARTICLE	IF	CITATIONS
37	Almond responses to a single season of severe irrigation water restrictions. Irrigation Science, 2022, 40, 1-11.	2.8	5
38	Improving Productivity to Face Water Scarcity in Irrigated Agriculture. , 2009, , 122-143.		4
39	Irrigation Management for Efficient Crop Production. , 2019, , 345-360.		4
40	Simulating water lateral inflow and its contribution to spatial variations of rainfed wheat yields. European Journal of Agronomy, 2022, 137, 126515.	4.1	4
41	Irrigation Management for Efficient Crop Production. , 2018, , 1-17.		1
42	Deficit Irrigation. , 2016, , 281-294.		0
43	Evaluating irrigation scheme performance in a tropical environment: The Guanacaste scheme, Costa Rica*. Irrigation and Drainage, 2021, 70, 1331-1346.	1.7	0