Elias Fereres

List of Publications by Year
in descending order

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43 papers	7,888 citations	201674 27 h-index	330143 37 g-index
43 all docs	43 docs citations	43 times ranked	6794 citing authors

#	Article	IF	Citations
1	Almond responses to a single season of severe irrigation water restrictions. Irrigation Science, 2022, 40, 1-11.	2.8	5
2	Calibration and validation of the FAO AquaCrop water productivity model for cassava (Manihot) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	5.6	11
3	Simulating water lateral inflow and its contribution to spatial variations of rainfed wheat yields. European Journal of Agronomy, 2022, 137, 126515.	4.1	4
4	A global analysis of irrigation scheme water supplies in relation to requirements. Agricultural Water Management, 2021, 243, 106457.	5.6	11
5	Long-term almond yield response to deficit irrigation. Irrigation Science, 2021, 39, 409-420.	2.8	20
6	Using NDVI for the assessment of canopy cover in agricultural crops within modelling research. Computers and Electronics in Agriculture, 2021, 182, 106038.	7.7	48
7	Evaluating irrigation scheme performance in a tropical environment: The Guanacaste scheme, Costa Rica*. Irrigation and Drainage, 2021, 70, 1331-1346.	1.7	0
8	Water productivity and net profit of high-density olive orchards in San Juan, Argentina. Agricultural Water Management, 2021, 252, 106878.	5.6	10
9	SHui, an EU-Chinese cooperative project to optimize soil and water management in agricultural areas in the XXI century. International Soil and Water Conservation Research, 2020, 8, 1-14.	6.5	5
10	Water modelling approaches and opportunities to simulate spatial water variations at crop field level. Agricultural Water Management, 2020, 240, 106254.	5.6	32
11	Modeling Sugar Beet Responses to Irrigation with AquaCrop for Optimizing Water Allocation. Water (Switzerland), 2019, 11, 1918.	2.7	14
12	Irrigation Management for Efficient Crop Production. , 2019, , 345-360.		4
13	Yield response of almond trees to transpiration deficits. Irrigation Science, 2018, 36, 111-120.	2.8	17
14	Water use of irrigated almond trees when subjected to water deficits. Agricultural Water Management, 2018, 195, 84-93.	5.6	41
15	Multimodel ensembles improve predictions of cropâ€“environmentâ€“management interactions. Global Change Biology, 2018, 24, 5072-5083.	9.5	111
16	Irrigation Management for Efficient Crop Production. , 2018, , 1-17.		1
17	The uncertainty of crop yield projections is reduced by improved temperature response functions. Nature Plants, 2017, 3, 17102.	9.3	170
18	Airborne Thermal Imagery to Detect the Seasonal Evolution of Crop Water Status in Peach, Nectarine and Saturn Peach Orchards. Remote Sensing, 2016, 8, 39.	4.0	83

#	Article	IF	Citations
19	Deficit Irrigation. , 2016, , 281-294.		0
20	Similar estimates of temperature impacts on global wheat yield by three independent methods. Nature Climate Change, 2016, 6, 1130-1136.	18.8	352
21	Balancing crop yield and water productivity tradeoffs in herbaceous and woody crops. Functional Plant Biology, 2014, 41, 1009.	2.1	28
22	AquaCrop: FAO's crop water productivity and yield response model. Environmental Modelling and Software, 2014, 62, 351-360.	4.5	221
23	Effects of water deficits on whole tree water use efficiency of orange. Agricultural Water Management, 2014, 140, 61-68.	5.6	23
24	Modelling canopy conductance and transpiration of fruit trees in Mediterranean areas: A simplified approach. Agricultural and Forest Meteorology, 2013, 171-172, 93-103.	4.8	66
25	Combining the simulation crop model AquaCrop with an economic model for the optimization of irrigation management at farm level. European Journal of Agronomy, 2012, 36, 21-31.	4.1	172
26	Reflections on food security under water scarcity. Journal of Experimental Botany, 2011, 62, 4079-4086.	4.8	80
27	AquaCropâ€"The FAO Crop Model to Simulate Yield Response to Water: I. Concepts and Underlying Principles. Agronomy Journal, 2009, 101, 426-437.	1.8	1,175
28	AquaCropâ€"The FAO Crop Model to Simulate Yield Response to Water: II. Main Algorithms and Software Description. Agronomy Journal, 2009, 101, 438-447.	1.8	709
29	AquaCropâ€"The FAO Crop Model to Simulate Yield Response to Water: III. Parameterization and Testing for Maize. Agronomy Journal, 2009, 101, 448-459.	1.8	456
30	Thermal and Narrowband Multispectral Remote Sensing for Vegetation Monitoring From an Unmanned Aerial Vehicle. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 722-738.	6.3	972
31	Improving Productivity to Face Water Scarcity in Irrigated Agriculture. , 2009, , 122-143.		4
32	Concepts and Applications of AquaCrop: The FAO Crop Water Productivity Model. , 2009, , 175-191.		25
33	A systematic and quantitative approach to improve water use efficiency in agriculture. Irrigation Science, 2007, 25, 209-231.	2.8	248
34	On the conservative behavior of biomass water productivity. Irrigation Science, 2007, 25, 189-207.	2.8	362
35	Deficit irrigation for reducing agricultural water use. Journal of Experimental Botany, 2006, 58, 147-159.	4.8	1,240
36	Irrigation of fruit trees and vines: an introduction. Irrigation Science, 2006, 24, 55-57.	2.8	101

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37	Efficiency of water use of early plantings of sunflower. European Journal of Agronomy, 2004, 21, 465-476.	4.1	73
38	Irrigation Water Management of Horticultural Crops. Hortscience: A Publication of the American Society for Hortcultural Science, 2003, 38, 1036-1042.	1.0	144
39	Yield Responses of a Mature Olive Orchard to Water Deficits. Journal of the American Society for Horticultural Science, 2003, 128, 425-431.	1.0	343
40	Can almond trees directly dictate their irrigation needs?. California Agriculture, 2003, 57, 138-144.	0.8	28
41	Soil evaporation from drip-irrigated olive orchards. Irrigation Science, 2001, 20, 65-71.	2.8	94
42	Irrigation scheduling protocols using continuously recorded trunk diameter measurements. Irrigation Science, 2001, 20, 115-125.	2.8	234
43	Sensitivity of Continuous and Discrete Plant and Soil Water Status Monitoring in Peach Trees Subjected to Deficit Irrigation. Journal of the American Society for Horticultural Science, 1999, 124, 437-444.	1.0	151