

# Francisco Orgaz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5061236/publications.pdf>

Version: 2024-02-01

72  
papers

3,733  
citations

126907

33  
h-index

133252

59  
g-index

74  
all docs

74  
docs citations

74  
times ranked

2942  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The effects of regulated and continuous deficit irrigation on the water use, growth and yield of olive trees. <i>European Journal of Agronomy</i> , 2009, 30, 258-265.	4.1	201
3	Evapotranspiration of a young irrigated olive orchard in southern Spain. <i>Agricultural and Forest Meteorology</i> , 2004, 121, 1-18.	4.8	153
4	Evapotranspiration of horticultural crops in an unheated plastic greenhouse. <i>Agricultural Water Management</i> , 2005, 72, 81-96.	5.6	149
5	Changes in Phenolic Compounds in Garlic ( <i>Allium sativum</i> L.) Owing to the Cultivar and Location of Growth. <i>Plant Foods for Human Nutrition</i> , 2011, 66, 218-223.	3.2	146
6	Measurement and estimation of plastic greenhouse reference evapotranspiration in a Mediterranean climate. <i>Irrigation Science</i> , 2010, 28, 497-509.	2.8	140
7	OILCROP&#x2013;SUN: A Development, Growth, and Yield Model of the Sunflower Crop. <i>Agronomy Journal</i> , 1996, 88, 403-415.	1.8	131
8	Measurement and modeling of evapotranspiration of olive ( <i>Olea europaea</i> L.) orchards. <i>European Journal of Agronomy</i> , 2000, 13, 155-163.	4.1	124
9	Modelling potential growth and yield of olive ( <i>Olea europaea</i> L.) canopies. <i>European Journal of Agronomy</i> , 2006, 24, 296-303.	4.1	122
10	Deficit Irrigation Optimization of Cotton with AquaCrop. <i>Agronomy Journal</i> , 2009, 101, 477-487.	1.8	122
11	Modelling and measurement of radiation interception by olive canopies. <i>Agricultural and Forest Meteorology</i> , 2000, 100, 183-197.	4.8	105
12	Soil evaporation from drip-irrigated olive orchards. <i>Irrigation Science</i> , 2001, 20, 65-71.	2.8	94
13	Non-destructive measurement of leaf area in olive ( <i>Olea europaea</i> L.) trees using a gap inversion method. <i>Agricultural and Forest Meteorology</i> , 1995, 73, 29-42.	4.8	84
14	Water requirements of olive orchards&#x2013;II: determination of crop coefficients for irrigation scheduling. <i>Irrigation Science</i> , 2006, 24, 77-84.	2.8	84
15	Reflections on food security under water scarcity. <i>Journal of Experimental Botany</i> , 2011, 62, 4079-4086.	4.8	80
16	Influence of water deficits at different times during olive tree inflorescence and flower development. <i>Environmental and Experimental Botany</i> , 2012, 77, 227-233.	4.2	80
17	Season Length and Cultivar Determine the Optimum Evapotranspiration Deficit in Cotton. <i>Agronomy Journal</i> , 1992, 84, 700-706.	1.8	76
18	Efficiency of water use of early plantings of sunflower. <i>European Journal of Agronomy</i> , 2004, 21, 465-476.	4.1	73

#	ARTICLE	IF	CITATIONS
19	Water requirements of olive orchards: I simulation of daily evapotranspiration for scenario analysis. <i>Irrigation Science</i> , 2006, 24, 69-76.	2.8	69
20	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
21	Radiation-use efficiency and dry matter partitioning of a young olive ( <i>Olea europaea</i> ) orchard. <i>Tree Physiology</i> , 2000, 20, 65-72.	3.1	59
22	Responses of pepper to deficit irrigation for paprika production. <i>Scientia Horticulturae</i> , 2007, 114, 77-82.	3.6	56
23	Bowen ratio/energy balance technique for estimating crop net CO <sub>2</sub> assimilation, and comparison with a canopy chamber. <i>Theoretical and Applied Climatology</i> , 1990, 42, 203-213.	2.8	53
24	Carbon exchange and water use efficiency of a growing, irrigated olive orchard. <i>Environmental and Experimental Botany</i> , 2008, 63, 168-177.	4.2	53
25	Measurement and simulation of evaporation from soil in olive orchards. <i>Irrigation Science</i> , 1999, 18, 205-211.	2.8	50
26	Assessing deficit irrigation strategies at the level of an irrigation district. <i>Agricultural Water Management</i> , 2007, 91, 51-60.	5.6	49
27	A large closed canopy chamber for measuring CO <sub>2</sub> and water vapour exchange of whole trees. <i>Environmental and Experimental Botany</i> , 2010, 68, 131-138.	4.2	48
28	A model of daily mean canopy conductance for calculating transpiration of olive canopies. <i>Functional Plant Biology</i> , 2007, 34, 178.	2.1	47
29	Effect of Genetic Characteristics and Environmental Factors on Organosulfur Compounds in Garlic ( <i>Allium sativum</i> L.) Grown in Andalusia, Spain. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 1301-1307.	5.2	47
30	Water use of irrigated almond trees when subjected to water deficits. <i>Agricultural Water Management</i> , 2018, 195, 84-93.	5.6	41
31	Water use and production of a greenhouse pepper crop under optimum and limited water supply. <i>Journal of Horticultural Science and Biotechnology</i> , 2005, 80, 87-96.	1.9	39
32	Variations in bulk canopy conductance of an irrigated olive ( <i>Olea europaea</i> L.) orchard. <i>Environmental and Experimental Botany</i> , 2006, 55, 15-28.	4.2	39
33	Transpiration of young almond trees in relation to intercepted radiation. <i>Irrigation Science</i> , 2015, 33, 265-275.	2.8	35
34	A comparison between drip and furrow irrigation in cotton at two levels of water supply. <i>Agricultural Water Management</i> , 1991, 19, 313-324.	5.6	32
35	Transpiration from canopy temperature: Implications for the assessment of crop yield in almond orchards. <i>European Journal of Agronomy</i> , 2019, 105, 78-85.	4.1	32
36	Evapotranspiration and crop coefficients of irrigated garlic ( <i>Allium sativum</i> L.) in a semi-arid climate. <i>Agricultural Water Management</i> , 2004, 64, 233-249.	5.6	31

#	ARTICLE	IF	CITATIONS
37	A dynamic model of potential growth of olive ( <i>Olea europaea</i> L.) orchards. <i>European Journal of Agronomy</i> , 2016, 74, 93-102.	4.1	30
38	Radiation interception, radiation-use efficiency and dry matter partitioning in garlic ( <i>Allium sativum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.1	29
39	Effects of water supply on carbon and water exchange of olive trees. <i>European Journal of Agronomy</i> , 2012, 40, 1-7.	4.1	28
40	Balancing crop yield and water productivity tradeoffs in herbaceous and woody crops. <i>Functional Plant Biology</i> , 2014, 41, 1009.	2.1	28
41	Responses of transpiration and transpiration efficiency of almond trees to moderate water deficits. <i>Scientia Horticulturae</i> , 2017, 225, 6-14.	3.6	28
42	Winter cereals grown for grain and for the dual purpose of forage plus grain I. Production. <i>Field Crops Research</i> , 1995, 44, 1-11.	5.1	26
43	Using sap flow measurements to estimate net assimilation in olive trees under different irrigation regimes. <i>Irrigation Science</i> , 2015, 33, 357-366.	2.8	25
44	OliveCan: A Process-Based Model of Development, Growth and Yield of Olive Orchards. <i>Frontiers in Plant Science</i> , 2018, 9, 632.	3.6	25
45	Evaluation of sunflower ( <i>Helianthus annuus</i> , L.) genotypes differing in early vigour using a simulation model. <i>European Journal of Agronomy</i> , 1997, 7, 109-118.	4.1	24
46	The pitfalls of water potential for irrigation scheduling. <i>Agricultural Water Management</i> , 2021, 243, 106522.	5.6	23
47	The Influence of Irrigation Frequency on the Onset and Development of Verticillium Wilt of Olive. <i>Plant Disease</i> , 2015, 99, 488-495.	1.4	22
48	Long-term almond yield response to deficit irrigation. <i>Irrigation Science</i> , 2021, 39, 409-420.	2.8	20
49	Effect of soil temperature on root resistance: implications for different trees under Mediterranean conditions. <i>Tree Physiology</i> , 2016, 36, 469-478.	3.1	18
50	The Effect of Short Irrigation Frequencies on the Development of Verticillium Wilt in the Susceptible Olive Cultivar 'Picual'™ under Field Conditions. <i>Plant Disease</i> , 2016, 100, 1880-1888.	1.4	17
51	Yield response of almond trees to transpiration deficits. <i>Irrigation Science</i> , 2018, 36, 111-120.	2.8	17
52	Analysing the combined effect of wetted area and irrigation volume on olive tree transpiration using a SPAC model with a multi-compartment soil solution. <i>Irrigation Science</i> , 2017, 35, 409-423.	2.8	16
53	The impact of deficit irrigation on transpiration and yield of mandarin and late oranges. <i>Irrigation Science</i> , 2018, 36, 227-239.	2.8	16
54	Aboveground respiratory CO <sub>2</sub> effluxes from olive trees ( <i>Olea europaea</i> L.). <i>Agroforestry Systems</i> , 2014, 88, 245-255.	2.0	15

#	ARTICLE	IF	CITATIONS
55	Low winter temperatures induce a disturbance of water relations in field olive trees. <i>Trees - Structure and Function</i> , 2015, 29, 1247-1257.	1.9	15
56	Water requirements of mature almond trees in response to atmospheric demand. <i>Irrigation Science</i> , 2018, 36, 271-280.	2.8	13
57	Almond tree response to a change in wetted soil volume under drip irrigation. <i>Agricultural Water Management</i> , 2018, 202, 57-65.	5.6	12
58	Winter cereals grown for grain and for the dual purpose of forage plus grain II. Water use and water-use efficiency. <i>Field Crops Research</i> , 1995, 44, 13-24.	5.1	11
59	Effects of Water Stress on Crop Production. , 2016, , 189-204.		11
60	Empirical validation of the relationship between the crop water stress index and relative transpiration in almond trees. <i>Agricultural and Forest Meteorology</i> , 2020, 292-293, 108128.	4.8	11
61	Water Stress Enhances the Progression of Branch Dieback and Almond Decline under Field Conditions. <i>Plants</i> , 2020, 9, 1213.	3.5	11
62	Stomatal oscillations in olive trees: analysis and methodological implications. <i>Tree Physiology</i> , 2018, 38, 531-542.	3.1	10
63	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
64	Short- and mid-term tillage-induced soil CO <sub>2</sub> efflux on irrigated permanent- and conventional-bed planting systems with controlled traffic in southern Spain. <i>Soil Research</i> , 2013, 51, 447.	1.1	8
65	Water Use Efficiency in Sustainable Agricultural Systems. , 0, , 83-89.		6
66	Effect of the irrigation dose on Verticillium wilt of olive. <i>Scientia Horticulturae</i> , 2015, 197, 564-567.	3.6	6
67	WATER DEFICIT EFFECTS DURING OLIVE TREE INFLORESCENCE AND FLOWER DEVELOPMENT. <i>Acta Horticulturae</i> , 2011, , 157-162.	0.2	5
68	Almond responses to a single season of severe irrigation water restrictions. <i>Irrigation Science</i> , 2022, 40, 1-11.	2.8	5
69	RESPONSES TO DIFFERENT IRRIGATION STRATEGIES OF A TRADITIONAL AND AN INTENSIVE OLIVE ORCHARD CULTIVAR 'PICUAL' IN ANDALUSIA, SPAIN. <i>Acta Horticulturae</i> , 2011, , 53-62.	0.2	4
70	Evaluation of sunflower ( <i>Helianthus annuus</i> , L.) genotypes differing in early vigour using a simulation model. <i>Developments in Crop Science</i> , 1997, , 145-154.	0.1	2
71	Estimation of evapotranspiration on discontinuous crop canopies using high resolution thermal imagery. , 2007, , .		1
72	Pre- and post-harvest evapotranspiration, carbon exchange and water use efficiency of a mature peach orchard in semi-arid climate. <i>Irrigation Science</i> , 2022, 40, 407-422.	2.8	1