

Santiago Bonachela Castaño

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,043
citations

471509

17
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

793
citing authors

#	ARTICLE	IF	CITATIONS
1	Evapotranspiration of horticultural crops in an unheated plastic greenhouse. <i>Agricultural Water Management</i> , 2005, 72, 81-96.	5.6	149
2	Measurement and estimation of plastic greenhouse reference evapotranspiration in a Mediterranean climate. <i>Irrigation Science</i> , 2010, 28, 497-509.	2.8	140
3	Soil evaporation from drip-irrigated olive orchards. <i>Irrigation Science</i> , 2001, 20, 65-71.	2.8	94
4	Irrigation scheduling of plastic greenhouse vegetable crops based on historical weather data. <i>Irrigation Science</i> , 2006, 25, 53-62.	2.8	83
5	Analysis of on-farm irrigation performance in Mediterranean greenhouses. <i>Agricultural Water Management</i> , 2007, 89, 251-260.	5.6	73
6	Night energy balance in a heated low-cost plastic greenhouse. <i>Agricultural and Forest Meteorology</i> , 2006, 137, 107-118.	4.8	59
7	How plastic mulches affect the thermal and radiative microclimate in an unheated low-cost greenhouse. <i>Agricultural and Forest Meteorology</i> , 2012, 152, 65-72.	4.8	48
8	Artificial ponds in a Mediterranean region (Andalusia, southern Spain): agricultural and environmental issues. <i>Water and Environment Journal</i> , 2011, 25, 308-317.	2.2	42
9	Farm Ponds as Potential Complementary Habitats to Natural Wetlands in a Mediterranean Region. <i>Wetlands</i> , 2012, 32, 161-174.	1.5	33
10	Oxyfertilization of a greenhouse tomato crop grown on rockwool slabs and irrigated with treated wastewater: Oxygen content dynamics and crop response. <i>Agricultural Water Management</i> , 2010, 97, 433-438.	5.6	29
11	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
12	Analysis and prediction of greenhouse green bean (<i>Phaseolus vulgaris</i> L.) production in a Mediterranean climate. <i>Biosystems Engineering</i> , 2008, 100, 86-95.	4.3	24
13	Reuse of rockwool slabs and perlite grow-bags in a low-cost greenhouse: Substrates' physical properties and crop production. <i>Scientia Horticulturae</i> , 2013, 160, 139-147.	3.6	23
14	Environmental factors and management practices controlling oxygen dynamics in agricultural irrigation ponds in a semiarid Mediterranean region: Implications for pond agricultural functions. <i>Water Research</i> , 2007, 41, 1225-1234.	11.3	22
15	Microclimate and agronomical effects of internal impermeable screens in an unheated Mediterranean greenhouse. <i>Biosystems Engineering</i> , 2017, 163, 66-77.	4.3	22
16	Regulated deficit irrigation in green bean and watermelon greenhouse crops. <i>Scientia Horticulturae</i> , 2009, 122, 527-531.	3.6	21
17	Pond management and water quality for drip irrigation in Mediterranean intensive horticultural systems. <i>Irrigation Science</i> , 2013, 31, 769-780.	2.8	16
18	Effects of gravel mulch on surface energy balance and soil thermal regime in an unheated plastic greenhouse. <i>Biosystems Engineering</i> , 2020, 192, 1-13.	4.3	15

#	ARTICLE	IF	CITATIONS
19	CONSTRUCTION CHARACTERISTICS AND MANAGEMENT PRACTICES OF IN-FARM IRRIGATION PONDS IN INTENSIVE AGRICULTURAL SYSTEMS – AGRONOMIC AND ENVIRONMENTAL IMPLICATIONS. Irrigation and Drainage, 2012, 61, 657-665.	1.7	13
20	Lysimetry methods for monitoring soil solution electrical conductivity and nutrient concentration in greenhouse tomato crops. Agricultural Water Management, 2016, 178, 171-179.	5.6	12
21	Soil spatio-temporal distribution of water, salts and nutrients in greenhouse, drip-irrigated tomato crops using lysimetry and dielectric methods. Agricultural Water Management, 2018, 203, 151-161.	5.6	12
22	Winter cereals grown for grain and for the dual purpose of forage plus grain II. Water use and water-use efficiency. Field Crops Research, 1995, 44, 13-24.	5.1	11
23	Agricultural Practices in the Mediterranean. , 2015, , 23-36.		10
24	Salt and irrigation management of soil-grown Mediterranean greenhouse tomato crops drip-irrigated with moderately saline water. Agricultural Water Management, 2022, 262, 107433.	5.6	9
25	Root growth of triticale and barley grown for grain or for forage-plus-grain in a Mediterranean climate. Plant and Soil, 1996, 183, 239-251.	3.7	7
26	Can submerged macrophytes be effective for controlling waterborne phytopathogens in irrigation ponds? An experimental approach using microcosms. Hydrobiologia, 2014, 732, 183-196.	2.0	7
27	How mulching and canopy architecture interact in trapping solar radiation inside a Mediterranean greenhouse. Agricultural and Forest Meteorology, 2020, 294, 108132.	4.8	6
28	Management effects on fungal assemblages in irrigation ponds: are biodiversity conservation and the control of phytopathogens compatible?. Fundamental and Applied Limnology, 2013, 183, 259-270.	0.7	3
29	Vegetable Crops Grown under High Soil Water Availability in Mediterranean Greenhouses. Water (Switzerland), 2020, 12, 1110.	2.7	3