Santiago Bonachela CastaÃ±o

List of Publications by Year
in descending order

29	1,043	471061 17	476904 29
papers	citations	h-index	g-index

31	31	31	793
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evapotranspiration of horticultural crops in an unheated plastic greenhouse. Agricultural Water Management, 2005, 72, 81-96.	2.4	149
2	Measurement and estimation of plastic greenhouse reference evapotranspiration in a Mediterranean climate. Irrigation Science, 2010, 28, 497-509.	1.3	140
3	Soil evaporation from drip-irrigated olive orchards. Irrigation Science, 2001, 20, 65-71.	1.3	94
4	Irrigation scheduling of plastic greenhouse vegetable crops based on historical weather data. Irrigation Science, 2006, 25, 53-62.	1.3	83
5	Analysis of on-farm irrigation performance in Mediterranean greenhouses. Agricultural Water Management, 2007, 89, 251-260.	2.4	73
6	Night energy balance in a heated low-cost plastic greenhouse. Agricultural and Forest Meteorology, 2006, 137, 107-118.	1.9	59
7	How plastic mulches affect the thermal and radiative microclimate in an unheated low-cost greenhouse. Agricultural and Forest Meteorology, 2012, 152, 65-72.	1.9	48
8	Artificial ponds in a Mediterranean region (Andalusia, southern Spain): agricultural and environmental issues. Water and Environment Journal, 2011, 25, 308-317.	1.0	42
9	Farm Ponds as Potential Complementary Habitats to Natural Wetlands in a Mediterranean Region. Wetlands, 2012, 32, 161-174.	0.7	33
10	Oxyfertigation of a greenhouse tomato crop grown on rockwool slabs and irrigated with treated wastewater: Oxygen content dynamics and crop response. Agricultural Water Management, 2010, 97, 433-438.	2.4	29
11	Winter cereals grown for grain and for the dual purpose of forage plus grain I. Production. Field Crops Research, 1995, 44, 1-11.	2.3	26
12	Analysis and prediction of greenhouse green bean (Phaseolus vulgaris L.) production in a Mediterranean climate. Biosystems Engineering, 2008, 100, 86-95.	1.9	24
13	Reuse of rockwool slabs and perlite grow-bags in a low-cost greenhouse: Substratesâ€™ physical properties and crop production. Scientia Horticulturae, 2013, 160, 139-147.	1.7	23
14	Environmental factors and management practices controlling oxygen dynamics in agricultural irrigation ponds in a semiarid Mediterranean region: Implications for pond agricultural functions. Water Research, 2007, 41, 1225-1234.	5.3	22
15	Microclimate and agronomical effects of internal impermeable screens in an unheated Mediterranean greenhouse. Biosystems Engineering, 2017, 163, 66-77.	1.9	22
16	Regulated deficit irrigation in green bean and watermelon greenhouse crops. Scientia Horticulturae, 2009, 122, 527-531.	1.7	21
17	Pond management and water quality for drip irrigation in Mediterranean intensive horticultural systems. Irrigation Science, 2013, 31, 769-780.	1.3	16
18	Effects of gravel mulch on surface energy balance and soil thermal regime in an unheated plastic greenhouse. Biosystems Engineering, 2020, 192, 1-13.	1.9	15

#	Article	IF	Citations
19	CONSTRUCTION CHARACTERISTICS AND MANAGEMENT PRACTICES OF INâ€FARM IRRIGATION PONDS IN INTENSIVE AGRICULTURAL SYSTEMS â€" AGRONOMIC AND ENVIRONMENTAL IMPLICATIONS. Irrigation and Drainage, 2012, 61, 657-665.	0.8	13
20	Lysimetry methods for monitoring soil solution electrical conductivity and nutrient concentration in greenhouse tomato crops. Agricultural Water Management, 2016, 178, 171-179.	2.4	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.	2.4	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.	2.3	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.	2.4	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.	1.8	7
26	Can submerged macrophytes be effective for controlling waterborne phytopathogens in irrigation ponds? An experimental approach using microcosms. Hydrobiologia, 2014, 732, 183-196.	1.0	7
27	How mulching and canopy architecture interact in trapping solar radiation inside a Mediterranean greenhouse. Agricultural and Forest Meteorology, 2020, 294, 108132.	1.9	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.	0.4	3
29	Vegetable Crops Grown under High Soil Water Availability in Mediterranean Greenhouses. Water (Switzerland), 2020, 12, 1110.	1.2	3