

# Santiago Bonachela Castaño

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3335660/publications.pdf>

Version: 2024-02-01

29  
papers

1,043  
citations

471061

17  
h-index

476904

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

793  
citing authors

#	ARTICLE	IF	CITATIONS
1	Salt and irrigation management of soil-grown Mediterranean greenhouse tomato crops drip-irrigated with moderately saline water. <i>Agricultural Water Management</i> , 2022, 262, 107433.	2.4	9
2	How mulching and canopy architecture interact in trapping solar radiation inside a Mediterranean greenhouse. <i>Agricultural and Forest Meteorology</i> , 2020, 294, 108132.	1.9	6
3	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.	1.9	15
4	Vegetable Crops Grown under High Soil Water Availability in Mediterranean Greenhouses. <i>Water (Switzerland)</i> , 2020, 12, 1110.	1.2	3
5	Soil spatio-temporal distribution of water, salts and nutrients in greenhouse, drip-irrigated tomato crops using lysimetry and dielectric methods. <i>Agricultural Water Management</i> , 2018, 203, 151-161.	2.4	12
6	Microclimate and agronomical effects of internal impermeable screens in an unheated Mediterranean greenhouse. <i>Biosystems Engineering</i> , 2017, 163, 66-77.	1.9	22
7	Lysimetry methods for monitoring soil solution electrical conductivity and nutrient concentration in greenhouse tomato crops. <i>Agricultural Water Management</i> , 2016, 178, 171-179.	2.4	12
8	Agricultural Practices in the Mediterranean. , 2015, , 23-36.		10
9	Can submerged macrophytes be effective for controlling waterborne phytopathogens in irrigation ponds? An experimental approach using microcosms. <i>Hydrobiologia</i> , 2014, 732, 183-196.	1.0	7
10	Pond management and water quality for drip irrigation in Mediterranean intensive horticultural systems. <i>Irrigation Science</i> , 2013, 31, 769-780.	1.3	16
11	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.	1.7	23
12	Management effects on fungal assemblages in irrigation ponds: are biodiversity conservation and the control of phytopathogens compatible?. <i>Fundamental and Applied Limnology</i> , 2013, 183, 259-270.	0.4	3
13	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.	1.9	48
14	CONSTRUCTION CHARACTERISTICS AND MANAGEMENT PRACTICES OF IN-FARM IRRIGATION PONDS IN INTENSIVE AGRICULTURAL SYSTEMS – AGRONOMIC AND ENVIRONMENTAL IMPLICATIONS. <i>Irrigation and Drainage</i> , 2012, 61, 657-665.	0.8	13
15	Farm Ponds as Potential Complementary Habitats to Natural Wetlands in a Mediterranean Region. <i>Wetlands</i> , 2012, 32, 161-174.	0.7	33
16	Artificial ponds in a Mediterranean region (Andalusia, southern Spain): agricultural and environmental issues. <i>Water and Environment Journal</i> , 2011, 25, 308-317.	1.0	42
17	Measurement and estimation of plastic greenhouse reference evapotranspiration in a Mediterranean climate. <i>Irrigation Science</i> , 2010, 28, 497-509.	1.3	140
18	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.	2.4	29

#	ARTICLE	IF	CITATIONS
19	Regulated deficit irrigation in green bean and watermelon greenhouse crops. <i>Scientia Horticulturae</i> , 2009, 122, 527-531.	1.7	21
20	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.	1.9	24
21	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.	5.3	22
22	Analysis of on-farm irrigation performance in Mediterranean greenhouses. <i>Agricultural Water Management</i> , 2007, 89, 251-260.	2.4	73
23	Night energy balance in a heated low-cost plastic greenhouse. <i>Agricultural and Forest Meteorology</i> , 2006, 137, 107-118.	1.9	59
24	Irrigation scheduling of plastic greenhouse vegetable crops based on historical weather data. <i>Irrigation Science</i> , 2006, 25, 53-62.	1.3	83
25	Evapotranspiration of horticultural crops in an unheated plastic greenhouse. <i>Agricultural Water Management</i> , 2005, 72, 81-96.	2.4	149
26	Soil evaporation from drip-irrigated olive orchards. <i>Irrigation Science</i> , 2001, 20, 65-71.	1.3	94
27	Root growth of triticale and barley grown for grain or for forage-plus-grain in a Mediterranean climate. <i>Plant and Soil</i> , 1996, 183, 239-251.	1.8	7
28	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.	2.3	26
29	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.	2.3	11