

Victoriano MartÃ-nez-Alvarez

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,470
citations

279798

23
h-index

345221

36
g-index

54
all docs

54
docs citations

54
times ranked

1331
citing authors

#	ARTICLE	IF	CITATIONS
1	Seawater desalination for crop irrigation " A review of current experiences and revealed key issues. Desalination, 2016, 381, 58-70.	8.2	113
2	Effect of water scarcity and modernisation on the performance of irrigation districts in south-eastern Spain. Agricultural Water Management, 2013, 124, 11-19.	5.6	79
3	Life cycle assessment of fruit and vegetable production in the Region of Murcia (south-east Spain) and evaluation of impact mitigation practices. Journal of Cleaner Production, 2020, 265, 121656.	9.3	67
4	Regional assessment of evaporation from agricultural irrigation reservoirs in a semiarid climate. Agricultural Water Management, 2008, 95, 1056-1066.	5.6	64
5	Efficiency of shading materials in reducing evaporation from free water surfaces. Agricultural Water Management, 2006, 84, 229-239.	5.6	63
6	Comparative analysis of two polyethylene foil materials for dew harvesting in a semi-arid climate. Journal of Hydrology, 2011, 410, 84-91.	5.4	63
7	A simulation model for predicting hourly pan evaporation from meteorological data. Journal of Hydrology, 2006, 318, 250-261.	5.4	59
8	The Economic Impact of Water Evaporation Losses from Water Reservoirs in the Segura Basin, SE Spain. Water Resources Management, 2011, 25, 3153-3175.	3.9	55
9	Energy and greenhouse-gas emissions in irrigated agriculture of SE (southeast) Spain. Effects of alternative water supply scenarios. Energy, 2014, 77, 478-488.	8.8	54
10	Hydroponic system and desalinated seawater as an alternative farm-productive proposal in water scarcity areas: Energy and greenhouse gas emissions analysis of lettuce production in southeast Spain. Journal of Cleaner Production, 2018, 172, 1298-1310.	9.3	53
11	The use of desalinated seawater for crop irrigation in the Segura River Basin (south-eastern Spain). Desalination, 2017, 422, 153-164.	8.2	52
12	Characterization of the Agricultural Supply of Desalinated Seawater in Southeastern Spain. Water (Switzerland), 2019, 11, 1233.	2.7	46
13	Energy consumption for crop irrigation in a semiarid climate (south-eastern Spain). Energy, 2013, 55, 1084-1093.	8.8	38
14	Socio-Economic Impact of Evaporation Losses from Reservoirs Under Past, Current and Future Water Availability Scenarios in the Semi-Arid Segura Basin. Water Resources Management, 2013, 27, 1411-1426.	3.9	37
15	Economic assessment of shade-cloth covers for agricultural irrigation reservoirs in a semi-arid climate. Agricultural Water Management, 2009, 96, 1351-1359.	5.6	35
16	Energy balance and evaporation loss of an irrigation reservoir equipped with a suspended cover in a semiarid climate (south-eastern Spain). Hydrological Processes, 2011, 25, 1694-1703.	2.6	35
17	Explaining the performance of irrigation communities in a water-scarce region. Irrigation Science, 2017, 35, 193-203.	2.8	35
18	Energy balance and evaporation loss of an agricultural reservoir in a semi-arid climate (south-eastern Spain). Agricultural Water Management, 2013, 95, 1056-1066.	2.6	34

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19	A novel approach for estimating the pan coefficient of irrigation water reservoirs. <i>Agricultural Water Management</i> , 2007, 92, 29-40.	5.6	33
20	Effects of a suspended shade cloth cover on water quality of an agricultural reservoir for irrigation. <i>Agricultural Water Management</i> , 2011, 100, 70-75.	5.6	29
21	Estimation of dew yield from radiative condensers by means of an energy balance model. <i>Journal of Hydrology</i> , 2012, 460-461, 103-109.	5.4	27
22	Simultaneous solution for water, heat and salt balances in a Mediterranean coastal lagoon (Mar Tj ETQq0 0 0 rgBT/Overlock_10 Tf 50 6	2.1	26
23	Estimating groundwater use patterns of perennial and seasonal crops in a Mediterranean irrigation scheme, using remote sensing. <i>Agricultural Water Management</i> , 2015, 162, 47-56.	5.6	25
24	Evaluation of evaporation estimation methods for a covered reservoir in a semi-arid climate (south-eastern Spain). <i>Journal of Hydrology</i> , 2012, 458-459, 59-67.	5.4	24
25	Regionalization of the Hargreaves coefficient to estimate long-term reference evapotranspiration series in SE Spain. <i>Spanish Journal of Agricultural Research</i> , 2013, 11, 1137.	0.6	24
26	Experimental assessment of shade-cloth covers on agricultural reservoirs for irrigation in south-eastern Spain. <i>Spanish Journal of Agricultural Research</i> , 2010, 8, 122.	0.6	20
27	Dew condensation on different natural and artificial passive surfaces in a semiarid climate. <i>Journal of Arid Environments</i> , 2015, 116, 63-70.	2.4	19
28	Revaluing the nutrition potential of reclaimed water for irrigation in southeastern Spain. <i>Agricultural Water Management</i> , 2019, 218, 174-181.	5.6	19
29	Influence of the Water Source on the Carbon Footprint of Irrigated Agriculture: A Regional Study in South-Eastern Spain. <i>Agronomy</i> , 2021, 11, 351.	3.0	18
30	Effects of drip irrigation systems on the recovery of dissolved oxygen from hypoxic water. <i>Agricultural Water Management</i> , 2010, 97, 1806-1812.	5.6	17
31	Physical, chemical and microbiological effects of suspended shade cloth covers on stored water for irrigation. <i>Agricultural Water Management</i> , 2013, 118, 70-78.	5.6	17
32	Economic feasibility of implementing regulated deficit irrigation with reclaimed water in a grapefruit orchard. <i>Agricultural Water Management</i> , 2016, 178, 119-125.	5.6	17
33	Recycling drainage effluents using reverse osmosis powered by photovoltaic solar energy in hydroponic tomato production: Environmental footprint analysis. <i>Journal of Environmental Management</i> , 2021, 297, 113326.	7.8	17
34	The role of information and communication technologies in the modernisation of water user associationsâ€™ management. <i>Computers and Electronics in Agriculture</i> , 2013, 98, 121-130.	7.7	16
35	Assessing concerns about fertigation costs with desalinated seawater in south-eastern Spain. <i>Agricultural Water Management</i> , 2020, 239, 106257.	5.6	16
36	Impact of Micrometeorological Conditions on the Efficiency of Artificial Monolayers in Reducing Evaporation. <i>Water Resources Management</i> , 2013, 27, 2251-2266.	3.9	14

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37	The role of reclaimed water for crop irrigation in southeast Spain. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 1555-1562.	2.1	13
38	Desalination of Seawater for Agricultural Irrigation. <i>Water (Switzerland)</i> , 2020, 12, 1712.	2.7	13
39	Adaptive strategies of on-farm water management under water supply constraints in south-eastern Spain. <i>Agricultural Water Management</i> , 2014, 136, 59-67.	5.6	12
40	Deficit irrigation with reclaimed water in a citrus orchard. Energy and greenhouse-gas emissions analysis. <i>Agricultural Systems</i> , 2018, 159, 93-102.	6.1	12
41	Seawater desalination for crop irrigation—Current status and perspectives. , 2018, , 461-492.		11
42	Producing lettuce in soil-based or in soilless outdoor systems. Which is more economically profitable?. <i>Agricultural Water Management</i> , 2018, 206, 48-55.	5.6	10
43	Short-Term Response of Young Mandarin Trees to Desalinated Seawater Irrigation. <i>Water (Switzerland)</i> , 2020, 12, 159.	2.7	7
44	Boron Removal from Desalinated Seawater for Irrigation with an On-Farm Reverse Osmosis System in Southeastern Spain. <i>Agronomy</i> , 2022, 12, 611.	3.0	6
45	Ion Exchange Resins to Reduce Boron in Desalinated Seawater for Irrigation in Southeastern Spain. <i>Agronomy</i> , 2022, 12, 1389.	3.0	5
46	Irrblend-DSW: A decision support tool for the optimal blending of desalinated and conventional irrigation waters in dry regions. <i>Agricultural Water Management</i> , 2021, 255, 107012.	5.6	4
47	Estimación de la evaporación en embalses de riego mediante un modelo de balance de energía. <i>Ingeniería Del Agua</i> , 2006, 13, 219.	0.4	4
48	Determination of synthetic wind functions for estimating open water evaporation with Computational Fluid Dynamics. <i>Hydrological Processes</i> , 2012, 26, 3945-3952.	2.6	3
49	Impact of artificial monolayer application on stored water quality at the air-water interface. <i>Water Science and Technology</i> , 2015, 72, 1250-1256.	2.5	3
50	Contrasting suspended covers reveal the impact of an artificial monolayer on heat transfer processes at the interfacial boundary layer. <i>Water Science and Technology</i> , 2015, 72, 1621-1627.	2.5	2
51	Comparative Analysis of on-Farm Reservoir Management Techniques and Their Effect on Filtering Requirements for Irrigation. <i>Water Resources Management</i> , 2015, 29, 1155-1167.	3.9	2
52	Addressing aquifer overexploitation with desalinated seawater: an economic assessment of alternatives in south-eastern Spain. <i>International Journal of Water Resources Development</i> , 0, , 1-18.	2.0	2
53	CFD SIMULATION OF WATER EVAPORATION IN CLASS-A PAN WITH A TRANSIENT ANALYSIS. <i>Acta Horticulturae</i> , 2013, , 91-96.	0.2	1