

Emilio Camacho Poyato

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5177986/publications.pdf>

Version: 2024-02-01

43
papers

1,490
citations

304368

22
h-index

315357

38
g-index

45
all docs

45
docs citations

45
times ranked

1324
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change impacts on irrigation water requirements in the Guadalquivir river basin in Spain. <i>Regional Environmental Change</i> , 2007, 7, 149-159.	1.4	212
2	Coupling irrigation scheduling with solar energy production in a smart irrigation management system. <i>Journal of Cleaner Production</i> , 2018, 175, 670-682.	4.6	86
3	Linking water footprint accounting with irrigation management in high value crops. <i>Journal of Cleaner Production</i> , 2015, 87, 594-602.	4.6	79
4	Evaluation of Water and Energy Use in Pressurized Irrigation Networks in Southern Spain. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2011, 137, 644-650.	0.6	72
5	Optimisation of water demand forecasting by artificial intelligence with short data sets. <i>Biosystems Engineering</i> , 2019, 177, 59-66.	1.9	68
6	Exploring energy saving scenarios for on-demand pressurised irrigation networks. <i>Biosystems Engineering</i> , 2009, 104, 552-561.	1.9	66
7	Effects of modernization and medium term perspectives on water and energy use in irrigation districts. <i>Agricultural Systems</i> , 2014, 131, 56-63.	3.2	52
8	Comparing the environmental and economic impacts of on- or off-grid solar photovoltaics with traditional energy sources for rural irrigation systems. <i>Renewable Energy</i> , 2019, 140, 895-904.	4.3	52
9	Toward precision irrigation for intensive strawberry cultivation. <i>Agricultural Water Management</i> , 2015, 151, 43-51.	2.4	50
10	Detecting Critical Points in On-Demand Irrigation Pressurized Networks – A New Methodology. <i>Water Resources Management</i> , 2012, 26, 1693-1713.	1.9	48
11	Low energy consumption seasonal calendar for sectoring operation in pressurized irrigation networks. <i>Irrigation Science</i> , 2011, 29, 157-169.	1.3	46
12	Analysis of Virtual Irrigation Water. Application to Water Resources Management in a Mediterranean River Basin. <i>Water Resources Management</i> , 2011, 25, 1635-1651.	1.9	45
13	Modelling impacts of precision irrigation on crop yield and in-field water management. <i>Precision Agriculture</i> , 2018, 19, 497-512.	3.1	45
14	Optimal Operation of Pressurized Irrigation Networks with Several Supply Sources. <i>Water Resources Management</i> , 2013, 27, 2855-2869.	1.9	38
15	Optimization of Irrigation Scheduling Using Soil Water Balance and Genetic Algorithms. <i>Water Resources Management</i> , 2016, 30, 2815-2830.	1.9	38
16	Prediction of irrigation event occurrence at farm level using optimal decision trees. <i>Computers and Electronics in Agriculture</i> , 2019, 157, 173-180.	3.7	38
17	Hydro-power energy recovery in pressurized irrigation networks: A case study of an Irrigation District in the South of Spain. <i>Agricultural Water Management</i> , 2018, 204, 17-27.	2.4	34
18	Modernizing Water Distribution Networks. <i>Outlook on Agriculture</i> , 2012, 41, 229-236.	1.8	32

#	ARTICLE	IF	CITATIONS
19	Energy cost optimization in pressurized irrigation networks. <i>Irrigation Science</i> , 2016, 34, 1-13.	1.3	30
20	Multiplatform application for precision irrigation scheduling in strawberries. <i>Agricultural Water Management</i> , 2017, 183, 194-201.	2.4	30
21	Model to Forecast Maximum Flows in On-Demand Irrigation Distribution Networks. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2007, 133, 222-231.	0.6	28
22	Impacts of irrigation network sectoring as an energy saving measure on olive grove production. <i>Journal of Environmental Management</i> , 2012, 111, 1-9.	3.8	24
23	Critical points: interactions between on-farm irrigation systems and water distribution network. <i>Irrigation Science</i> , 2014, 32, 255-265.	1.3	22
24	New model for sustainable management of pressurized irrigation networks. Application to Bemb�zar MD irrigation district (Spain). <i>Science of the Total Environment</i> , 2014, 473-474, 1-8.	3.9	22
25	Irrigation Demand Forecasting Using Artificial Neuro-Genetic Networks. <i>Water Resources Management</i> , 2015, 29, 5551-5567.	1.9	21
26	Seasonal furrow irrigation model with genetic algorithms (OPTIMEC). <i>Agricultural Water Management</i> , 2001, 52, 1-16.	2.4	20
27	Influence of spatio temporal scales in crop water footprinting and water use management: Evidences from sugar beet production in Northern Spain. <i>Journal of Cleaner Production</i> , 2016, 139, 1485-1495.	4.6	20
28	Optimal Design of Pressurized Irrigation Networks to Minimize the Operational Cost under Different Management Scenarios. <i>Water Resources Management</i> , 2017, 31, 1995-2010.	1.9	20
29	Quality of Service in Irrigation Distribution Networks: Case of Palos de la Frontera Irrigation District (Spain). <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2009, 135, 755-762.	0.6	18
30	Assessing the potential of solar energy in pressurized irrigation networks. The case of Bemb�zar MI irrigation district (Spain). <i>Spanish Journal of Agricultural Research</i> , 2014, 12, 838.	0.3	17
31	Methodology for Detecting Critical Points in Pressurized Irrigation Networks with Multiple Water Supply Points. <i>Water Resources Management</i> , 2014, 28, 1095-1109.	1.9	16
32	Drip Irrigation Scheduling Using Hydrus 2D Numerical Model Application for Strawberry Production in South�West Spain. <i>Irrigation and Drainage</i> , 2017, 66, 797-807.	0.8	13
33	Forecasting of applied irrigation depths at farm level for energy tariff periods using Coactive neuro-genetic fuzzy system. <i>Agricultural Water Management</i> , 2021, 256, 107068.	2.4	13
34	Semi-arranged demand as an energy saving measure for pressurized irrigation networks. <i>Agricultural Water Management</i> , 2017, 193, 22-29.	2.4	11
35	Open source application for optimum irrigation and fertilization using reclaimed water in olive orchards. <i>Computers and Electronics in Agriculture</i> , 2020, 173, 105407.	3.7	11
36	Rehabilitating pressurized irrigation networks for an increased energy efficiency. <i>Agricultural Water Management</i> , 2016, 164, 212-222.	2.4	9

#	ARTICLE	IF	CITATIONS
37	Comprehensive sizing methodology of smart photovoltaic irrigation systems. <i>Agricultural Water Management</i> , 2020, 229, 105888.	2.4	9
38	Middleware to Operate Smart Photovoltaic Irrigation Systems in Real Time. <i>Water (Switzerland)</i> , 2019, 11, 1508.	1.2	7
39	IGRA. A tool for applying the benchmarking initiative to irrigated areas. <i>Irrigation and Drainage</i> , 2005, 54, 307-319.	0.8	6
40	REUTIVAR: Model for Precision Fertigation Scheduling for Olive Orchards Using Reclaimed Water. <i>Water (Switzerland)</i> , 2019, 11, 2632.	1.2	6
41	Open-Source Application for Water Supply System Management: Implementation in a Water Transmission System in Southern Spain. <i>Water (Switzerland)</i> , 2021, 13, 3652.	1.2	6
42	Incorporating the Irrigation Demand Simultaneity in the Optimal Operation of Pressurized Networks with Several Water Supply Points. <i>Water Resources Management</i> , 2016, 30, 1085-1099.	1.9	4
43	An ICT-based decision support system for precision irrigation management in outdoor orange and greenhouse tomato crops. <i>Agricultural Water Management</i> , 2022, 269, 107686.	2.4	3