

Irene Fernández García-a

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

517
citations

759233

12
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

505
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupling irrigation scheduling with solar energy production in a smart irrigation management system. <i>Journal of Cleaner Production</i> , 2018, 175, 670-682.	9.3	86
2	Effects of modernization and medium term perspectives on water and energy use in irrigation districts. <i>Agricultural Systems</i> , 2014, 131, 56-63.	6.1	52
3	Trends and Challenges in Irrigation Scheduling in the Semi-Arid Area of Spain. <i>Water (Switzerland)</i> , 2020, 12, 785.	2.7	52
4	Optimum pumping station management for irrigation networks sectoring: Case of Bembezar MI (Spain). <i>Agricultural Water Management</i> , 2014, 144, 150-158.	5.6	41
5	Optimal Operation of Pressurized Irrigation Networks with Several Supply Sources. <i>Water Resources Management</i> , 2013, 27, 2855-2869.	3.9	38
6	A Model for Selecting the Most Cost-Effective Pressure Control Device for More Sustainable Water Supply Networks. <i>Water (Switzerland)</i> , 2019, 11, 1297.	2.7	33
7	Energy cost optimization in pressurized irrigation networks. <i>Irrigation Science</i> , 2016, 34, 1-13.	2.8	30
8	Multiplatform application for precision irrigation scheduling in strawberries. <i>Agricultural Water Management</i> , 2017, 183, 194-201.	5.6	30
9	Maximizing Hydropower Generation in Gravity Water Distribution Networks: Determining the Optimal Location and Number of Pumps as Turbines. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	2.6	28
10	Optimal Design of Pressurized Irrigation Networks to Minimize the Operational Cost under Different Management Scenarios. <i>Water Resources Management</i> , 2017, 31, 1995-2010.	3.9	20
11	Potential of Energy Recovery and Water Saving Using Micro-Hydropower in Rural Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, .	2.6	20
12	Methodology for Detecting Critical Points in Pressurized Irrigation Networks with Multiple Water Supply Points. <i>Water Resources Management</i> , 2014, 28, 1095-1109.	3.9	16
13	Semi-arranged demand as an energy saving measure for pressurized irrigation networks. <i>Agricultural Water Management</i> , 2017, 193, 22-29.	5.6	11
14	Open source application for optimum irrigation and fertilization using reclaimed water in olive orchards. <i>Computers and Electronics in Agriculture</i> , 2020, 173, 105407.	7.7	11
15	Rehabilitating pressurized irrigation networks for an increased energy efficiency. <i>Agricultural Water Management</i> , 2016, 164, 212-222.	5.6	9
16	Optimal operation of pressurised irrigation distribution systems operating by gravity. <i>Agricultural Water Management</i> , 2017, 184, 77-85.	5.6	9
17	Multi-Objective Optimization Model Based on Localized Loops for the Rehabilitation of Gravity-fed Pressurized Irrigation Networks. <i>Water Resources Management</i> , 2018, 32, 465-480.	3.9	7
18	Middleware to Operate Smart Photovoltaic Irrigation Systems in Real Time. <i>Water (Switzerland)</i> , 2019, 11, 1508.	2.7	7

#	ARTICLE	IF	CITATIONS
19	REUTIVAR: Model for Precision Fertigation Scheduling for Olive Orchards Using Reclaimed Water. Water (Switzerland), 2019, 11, 2632.	2.7	6
20	Waterâ€“Energy Nexus in Irrigated Areas. Lessons From Real Case Studies. , 2018, , 41-59.		5
21	Incorporating the Irrigation Demand Simultaneity in the Optimal Operation of Pressurized Networks with Several Water Supply Points. Water Resources Management, 2016, 30, 1085-1099.	3.9	4