

# Rafael González Perea

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

434  
citations

759233

12  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

481  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimisation of water demand forecasting by artificial intelligence with short data sets. <i>Biosystems Engineering</i> , 2019, 177, 59-66.	4.3	68
2	Modelling impacts of precision irrigation on crop yield and in-field water management. <i>Precision Agriculture</i> , 2018, 19, 497-512.	6.0	45
3	Optimization of Irrigation Scheduling Using Soil Water Balance and Genetic Algorithms. <i>Water Resources Management</i> , 2016, 30, 2815-2830.	3.9	38
4	Prediction of irrigation event occurrence at farm level using optimal decision trees. <i>Computers and Electronics in Agriculture</i> , 2019, 157, 173-180.	7.7	38
5	Multiplatform application for precision irrigation scheduling in strawberries. <i>Agricultural Water Management</i> , 2017, 183, 194-201.	5.6	30
6	IRRIGATION AND ENERGY: ISSUES AND CHALLENGES. <i>Irrigation and Drainage</i> , 2020, 69, 177-185.	1.7	24
7	Critical points: interactions between on-farm irrigation systems and water distribution network. <i>Irrigation Science</i> , 2014, 32, 255-265.	2.8	22
8	Prediction of applied irrigation depths at farm level using artificial intelligence techniques. <i>Agricultural Water Management</i> , 2018, 206, 229-240.	5.6	22
9	Irrigation Demand Forecasting Using Artificial Neuro-Genetic Networks. <i>Water Resources Management</i> , 2015, 29, 5551-5567.	3.9	21
10	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.	9.3	20
11	Decision Support System Based on Genetic Algorithms to Optimize the Daily Management of Water Abstraction from Multiple Groundwater Supply Sources. <i>Water Resources Management</i> , 2020, 34, 4739-4755.	3.9	17
12	Water and energy demand forecasting in large-scale water distribution networks for irrigation using open data and machine learning algorithms. <i>Computers and Electronics in Agriculture</i> , 2021, 188, 106327.	7.7	16
13	Decision Support System Tool to Reduce the Energy Consumption of Water Abstraction from Aquifers for Irrigation. <i>Water (Switzerland)</i> , 2019, 11, 323.	2.7	13
14	Semi-arranged demand as an energy saving measure for pressurized irrigation networks. <i>Agricultural Water Management</i> , 2017, 193, 22-29.	5.6	11
15	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
16	Comprehensive sizing methodology of smart photovoltaic irrigation systems. <i>Agricultural Water Management</i> , 2020, 229, 105888.	5.6	9
17	Middleware to Operate Smart Photovoltaic Irrigation Systems in Real Time. <i>Water (Switzerland)</i> , 2019, 11, 1508.	2.7	7
18	REUTIVAR: Model for Precision Fertigation Scheduling for Olive Orchards Using Reclaimed Water. <i>Water (Switzerland)</i> , 2019, 11, 2632.	2.7	6

#	ARTICLE	IF	CITATIONS
19	Dynamic Simulation Tool of fertigation in drip irrigation subunits. Computers and Electronics in Agriculture, 2020, 173, 105434.	7.7	5
20	Prediction Model of Photovoltaic Power in Solar Pumping Systems Based on Artificial Intelligence. Agronomy, 2022, 12, 693.	3.0	5
21	Modelling and Management of Irrigation System. Water (Switzerland), 2020, 12, 697.	2.7	4
22	Carbon_in_WaterDSS: A new tool to determine GHG emissions in quasi-real time for irrigation systems. Journal of Cleaner Production, 2021, 329, 129640.	9.3	2