

Juan Pablo Rodríguez

List of Publications by Year in descending order

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31
papers

798
citations

567281

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501196

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g-index

33
all docs

33
docs citations

33
times ranked

1088
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiregional Satellite Precipitation Products Evaluation over Complex Terrain. Journal of Hydrometeorology, 2016, 17, 1817-1836.	1.9	123
2	High-resolution satellite-gauge merged precipitation climatologies of the Tropical Andes. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1190-1207.	3.3	75
3	Evaluation of GPM-era Global Satellite Precipitation Products over Multiple Complex Terrain Regions. Remote Sensing, 2019, 11, 2936.	4.0	74
4	Sewer asset management “state of the art and research needs. Urban Water Journal, 2019, 16, 662-675.	2.1	67
5	A database and model to support proactive management of sediment-related sewer blockages. Water Research, 2012, 46, 4571-4586.	11.3	59
6	A Multicriteria Planning Framework to Locate and Select Sustainable Urban Drainage Systems (SUDS) in Consolidated Urban Areas. Sustainability, 2019, 11, 2312.	3.2	44
7	Comparison of Statistical and Machine Learning Models for Pipe Failure Modeling in Water Distribution Networks. Water (Switzerland), 2020, 12, 1153.	2.7	43
8	Sustainable Urban Drainage System (SUDS) modeling supporting decision-making: A systematic quantitative review. Science of the Total Environment, 2022, 806, 150447.	8.0	42
9	A participatory approach based on stochastic optimization for the spatial allocation of Sustainable Urban Drainage Systems for rainwater harvesting.. Environmental Modelling and Software, 2020, 123, 104532.	4.5	34
10	Are People Responsive to a More Sustainable, Decentralized, and User-Driven Management of Urban Metabolism?. Sustainability, 2016, 8, 275.	3.2	26
11	Effect of Green Roof Configuration and Hydrological Variables on Runoff Water Quantity and Quality. Water (Switzerland), 2018, 10, 960.	2.7	26
12	Monitoring and modelling to support wastewater system management in developing mega-cities. Science of the Total Environment, 2013, 445-446, 79-93.	8.0	20
13	On the preventive management of sediment-related sewer blockages: a combined maintenance and routing optimization approach. Water Science and Technology, 2016, 74, 302-308.	2.5	20
14	Generating time-series of dry weather loads to sewers. Environmental Modelling and Software, 2013, 43, 133-143.	4.5	18
15	Combined maintenance and routing optimization for large-scale sewage cleaning. Annals of Operations Research, 2020, 286, 441-474.	4.1	15
16	A Two-Stage Data-Driven Spatiotemporal Analysis to Predict Failure Risk of Urban Sewer Systems Leveraging Machine Learning Algorithms. Risk Analysis, 2021, 41, 2356-2391.	2.7	14
17	Sediment and pollutant load modelling using an integrated urban drainage modelling toolbox: an application of City Drain. Water Science and Technology, 2010, 61, 2273-2282.	2.5	13
18	Geostatistical analysis to identify characteristics involved in sewer pipes and urban tree interactions. Urban Forestry and Urban Greening, 2017, 25, 36-42.	5.3	13

#	ARTICLE	IF	CITATIONS
19	IoT architecture for adaptation to transient devices. Journal of Parallel and Distributed Computing, 2021, 148, 14-30.	4.1	12
20	City-scale optimal location planning of Green Infrastructure using piece-wise linear interpolation and exact optimization methods. Journal of Hydrology, 2021, 601, 126540.	5.4	12
21	Impact of rainfall temporal resolution on urban water quality modelling performance and uncertainties. Water Science and Technology, 2013, 68, 68-75.	2.5	10
22	Integrated Urban Water Resources Model to Improve Water Quality Management in Data-Limited Cities with Application to Bogotá, Colombia. Journal of Sustainable Water in the Built Environment, 2018, 4, .	1.6	9
23	Study of the spatiotemporal correlation between sediment-related blockage events in the sewer system in Bogotá (Colombia). Water Science and Technology, 2019, 79, 1727-1738.	2.5	8
24	Voluntary Management of Residential Water Demand in Low and Middle-Low Income Homes: A Pilot Study of Soacha (Colombia). Water (Switzerland), 2019, 11, 216.	2.7	6
25	Assessing major drivers of runoff water quality using principal component analysis: a case study from a Colombian and a Brazilian catchments. Urban Water Journal, 2023, 20, 1555-1567.	2.1	4
26	Development of a Multicriteria Scheme for the Identification of Strategic Areas for SUDS Implementation: A Case Study from Gijón, Spain. Sustainability, 2022, 14, 2877.	3.2	3
27	Green Roof Design with Engineered Extensive Substrates and Native Species to Evaluate Stormwater Runoff and Plant Establishment in a Neotropical Mountain Climate. Sustainability, 2020, 12, 6534.	3.2	2
28	A SUDS Planning Decision Support Tool to Maximize Ecosystem Services. Sustainability, 2022, 14, 4560.	3.2	2
29	A Prioritization Tool for SUDS Planning in Large Cities by Coupling an Urban Drainage Model with Mixed Integer Linear Programming. Green Energy and Technology, 2019, , 141-145.	0.6	1
30	Spatiotemporal Modelling of Sediment-Related Blockages in the Sewer System of Bogotá (Colombia). Green Energy and Technology, 2019, , 869-873.	0.6	0
31	International Opportunities for Energy Management: Latin American Utilities and What We Can Learn from Them. Proceedings of the Water Environment Federation, 2015, 2015, 1-18.	0.0	0