Juan Pablo RodrÃ-guez

List of Publications by Year
in descending order

31 papers	798 citations	643344 15 h-index	563245 28 g-index
33 all docs	33 docs citations	33 times ranked	1224 citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.0	4
2	Sustainable Urban Drainage System (SUDS) modeling supporting decision-making: A systematic quantitative review. Science of the Total Environment, 2022, 806, 150447.	3.9	42
3	Development of a Multicriteria Scheme for the Identification of Strategic Areas for SUDS Implementation: A Case Study from Gijón, Spain. Sustainability, 2022, 14, 2877.	1.6	3
4	A SUDS Planning Decision Support Tool to Maximize Ecosystem Services. Sustainability, 2022, 14, 4560.	1.6	2
5	IoT architecture for adaptation to transient devices. Journal of Parallel and Distributed Computing, 2021, 148, 14-30.	2.7	12
6	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.	1.5	14
7	City-scale optimal location planning of Green Infrastructure using piece-wise linear interpolation and exact optimization methods. Journal of Hydrology, 2021, 601, 126540.	2.3	12
8	Combined maintenance and routing optimization for large-scale sewage cleaning. Annals of Operations Research, 2020, 286, 441-474.	2.6	15
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.	1.9	34
10	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.	1.6	2
11	Comparison of Statistical and Machine Learning Models for Pipe Failure Modeling in Water Distribution Networks. Water (Switzerland), 2020, 12, 1153.	1.2	43
12	A Multicriteria Planning Framework to Locate and Select Sustainable Urban Drainage Systems (SUDS) in Consolidated Urban Areas. Sustainability, 2019, 11, 2312.	1.6	44
13	Voluntary Management of Residential Water Demand in Low and Middle-Low Income Homes: A Pilot Study of Soacha (Colombia). Water (Switzerland), 2019, 11, 216.	1.2	6
14	Sewer asset management – state of the art and research needs. Urban Water Journal, 2019, 16, 662-675.	1.0	67
15	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.	1.2	8
16	Evaluation of GPM-era Global Satellite Precipitation Products over Multiple Complex Terrain Regions. Remote Sensing, 2019, 11, 2936.	1.8	74
17	Spatiotemporal Modelling of Sediment-Related Blockages in the Sewer System of Bogotá (Colombia). Green Energy and Technology, 2019, , 869-873.	0.4	0
18	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.	0.4	1

#	Article	IF	Citations
19	Integrated Urban Water Resources Model to Improve Water Quality Management in Data-Limited Cities with Application to BogotÃ¡, Colombia. Journal of Sustainable Water in the Built Environment, 2018, 4, .	0.9	9
20	Effect of Green Roof Configuration and Hydrological Variables on Runoff Water Quantity and Quality. Water (Switzerland), 2018, 10, 960.	1.2	26
21	Geostatistical analysis to identify characteristics involved in sewer pipes and urban tree interactions. Urban Forestry and Urban Greening, 2017, 25, 36-42.	2.3	13
22	Are People Responsive to a More Sustainable, Decentralized, and User-Driven Management of Urban Metabolism?. Sustainability, 2016, 8, 275.	1.6	26
23	On the preventive management of sediment-related sewer blockages: a combined maintenance and routing optimization approach. Water Science and Technology, 2016, 74, 302-308.	1.2	20
24	Multiregional Satellite Precipitation Products Evaluation over Complex Terrain. Journal of Hydrometeorology, 2016, 17, 1817-1836.	0.7	123
25	Highâ€resolution satelliteâ€gauge merged precipitation climatologies of the Tropical Andes. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1190-1207.	1.2	75
26	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
27	Monitoring and modelling to support wastewater system management in developing mega-cities. Science of the Total Environment, 2013, 445-446, 79-93.	3.9	20
28	Generating time-series of dry weather loads to sewers. Environmental Modelling and Software, 2013, 43, 133-143.	1.9	18
29	Impact of rainfall temporal resolution on urban water quality modelling performance and uncertainties. Water Science and Technology, 2013, 68, 68-75.	1.2	10
30	A database and model to support proactive management of sediment-related sewer blockages. Water Research, 2012, 46, 4571-4586.	5.3	59
31	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.	1.2	13