

Wenyan Wu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9051633/wenyan-wu-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

1,177
citations

16
h-index

33
g-index

64
ext. papers

1,501
ext. citations

4.9
avg, IF

5.01
L-index

#	Paper	IF	Citations
55	Extending a joint probability modelling approach for post-processing ensemble precipitation forecasts from numerical weather prediction models. <i>Journal of Hydrology</i> , 2022 , 605, 127285	6	2
54	Reconstructing climate trends adds skills to seasonal reference crop evapotranspiration forecasting. <i>Hydrology and Earth System Sciences</i> , 2022 , 26, 941-954	5.5	
53	An IUWM incorporated model to improve water supply reliability in intermittent and no service areas. <i>Resources, Conservation and Recycling</i> , 2022 , 181, 106248	11.9	0
52	Python program for spatial reduction and reconstruction method in flood inundation modelling. <i>MethodsX</i> , 2021 , 8, 101527	1.9	0
51	Improving Water Pressure Measurement Using Temperature-Compensated Wireless Passive SAW Bidirectional RDL Pressure Sensor. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	
50	Effective Communication for Water Resilient Communities: A Conceptual Framework. <i>Water (Switzerland)</i> , 2021 , 13, 2880	3	1
49	Guidelines for Studying Diverse Types of Compound Weather and Climate Events. <i>Earths Future</i> , 2021 , 9, e2021EF002340	7.9	6
48	Toll and subsidy for freight vehicles on urban roads: A policy decision for City Logistics. <i>Research in Transportation Economics</i> , 2021 , 101132	2.4	0
47	A classification-based deep belief networks model framework for daily streamflow forecasting. <i>Journal of Hydrology</i> , 2021 , 595, 125967	6	5
46	Estimating the probability of compound floods in estuarine regions. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 2821-2841	5.5	6
45	Minimizing Pumping Energy Cost in Real-Time Operations of Water Distribution Systems Using Economic Model Predictive Control. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021 , 147,	2.8	2
44	Artificial neural network based hybrid modeling approach for flood inundation modeling. <i>Journal of Hydrology</i> , 2021 , 592, 125605	6	13
43	Which precipitation forecasts to use? Deterministic versus coarser-resolution ensemble NWP models. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021 , 147, 900-913	6.4	5
42	. <i>IEEE Access</i> , 2021 , 9, 48236-48243	3.5	2
41	Impacts of urbanization on precipitation patterns in the greater Beijing-Tianjin-Hebei metropolitan region in northern China. <i>Environmental Research Letters</i> , 2021 , 16, 014042	6.2	4
40	A rapid flood inundation modelling framework using deep learning with spatial reduction and reconstruction. <i>Environmental Modelling and Software</i> , 2021 , 143, 105112	5.2	5
39	Ensemble flood forecasting: Current status and future opportunities. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020 , 7, e1432	5.7	29

38	An ANN-based emulation modelling framework for flood inundation modelling: Application, challenges and future directions. <i>Environmental Modelling and Software</i> , 2020 , 124, 104587	5.2	34
37	A multi-class toll-based approach to reduce total emissions on roads for sustainable urban transportation. <i>Sustainable Cities and Society</i> , 2020 , 63, 102435	10.1	15
36	The changing nature of the water-energy nexus in urban water supply systems: a critical review of changes and responses. <i>Journal of Water and Climate Change</i> , 2020 , 11, 1095-1122	2.3	9
35	Streamflow prediction using LASSO-FCM-DBN approach based on hydro-meteorological condition classification. <i>Journal of Hydrology</i> , 2020 , 580, 124253	6	13
34	Impact of ENSO on dependence between extreme rainfall and storm surge. <i>Environmental Research Letters</i> , 2019 , 14, 124043	6.2	6
33	Mapping Dependence Between Extreme Rainfall and Storm Surge. <i>Journal of Geophysical Research: Oceans</i> , 2018 , 123, 2461-2474	3.3	43
32	On Lack of Robustness in Hydrological Model Development Due to Absence of Guidelines for Selecting Calibration and Evaluation Data: Demonstration for Data-Driven Models. <i>Water Resources Research</i> , 2018 , 54, 1013-1030	5.4	50
31	Behavioural informatics for improving water hygiene practice based on IoT environment. <i>Journal of Biomedical Informatics</i> , 2018 , 78, 156-166	10.2	5
30	A Wireless Passive SAW Delay Line Temperature and Pressure Sensor for Monitoring Water Distribution System 2018 ,		4
29	2018 ,		2
28	Improved validation framework and R-package for artificial neural network models. <i>Environmental Modelling and Software</i> , 2017 , 92, 82-106	5.2	35
27	A basis function approach for exploring the seasonal and spatial features of storm surge events. <i>Geophysical Research Letters</i> , 2017 , 44, 7356-7365	4.9	8
26	Identification of Optimal Water Supply Portfolios for a Major City. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 05017007	2.8	16
25	Feasibility Study on Wireless Passive SAW Sensor in IoT Enabled Water Distribution System 2017 ,		6
24	Sustainable Interoperability and Data Integration for the IoT-Based Information Systems 2017 ,		1
23	An Experimental Study of Two-Phase Pulse Flushing Technology in Water Distribution Systems. <i>Water (Switzerland)</i> , 2017 , 9, 927	3	2
22	Predicting household water use behaviour for improved hygiene practices in internet of things environment via dynamic behaviour intervention model. <i>IET Networks</i> , 2016 , 5, 143-151	2.8	4
21	Including stakeholder input in formulating and solving real-world optimisation problems: Generic framework and case study. <i>Environmental Modelling and Software</i> , 2016 , 79, 197-213	5.2	28

20	Implementation of OGC Compliant Framework for Data Integration in Water Distribution System. <i>Procedia Engineering</i> , 2015 , 119, 1366-1374		1
19	Simulation and conservation of the end use water based on behaviour intervention modelling. <i>Procedia Engineering</i> , 2015 , 119, 761-770		3
18	Non-hydraulic Factors Analysis of Pipe Burst in Water Distribution Systems. <i>Procedia Engineering</i> , 2015 , 119, 53-62		6
17	Battle of the Water Networks II. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014 , 140, 04014009	2.8	67
16	Protocol for developing ANN models and its application to the assessment of the quality of the ANN model development process in drinking water quality modelling. <i>Environmental Modelling and Software</i> , 2014 , 54, 108-127	5.2	167
15	. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 5641-5651	8.9	97
14	. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 5914-5924	8.9	121
13	Multiobjective optimization of water distribution systems accounting for economic cost, hydraulic reliability, and greenhouse gas emissions. <i>Water Resources Research</i> , 2013 , 49, 1211-1225	5.4	50
12	A benchmarking approach for comparing data splitting methods for modeling water resources parameters using artificial neural networks. <i>Water Resources Research</i> , 2013 , 49, 7598-7614	5.4	49
11	Sensitivity of Optimal Tradeoffs between Cost and Greenhouse Gas Emissions for Water Distribution Systems to Electricity Tariff and Generation. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2012 , 138, 182-186	2.8	31
10	Incorporation of Variable-Speed Pumping in Multiobjective Genetic Algorithm Optimization of the Design of Water Transmission Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2012 , 138, 543-552	2.8	45
9	Water distribution network real-time simulation based on SCADA system using OPC communication 2011 ,		5
8	Research on water leakage prediction of urban water supply network based on grey GM (0, N) model 2011 ,		1
7	Surplus Power Factor as a Resilience Measure for Assessing Hydraulic Reliability in Water Transmission System Optimization. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2011 , 137, 542-546	2.8	12
6	Accounting for Greenhouse Gas Emissions in Multiobjective Genetic Algorithm Optimization of Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2010 , 136, 146-155	2.8	84
5	Single-Objective versus Multiobjective Optimization of Water Distribution Systems Accounting for Greenhouse Gas Emissions by Carbon Pricing. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2010 , 136, 555-565	2.8	54
4	SLAM Algorithm for 2D Object Trajectory Tracking based on RFID Passive Tags 2008 ,		8
3	Establishment of the Scheduling Training System of Water Distribution Network Using Virtual Reality 2008 ,		1

2	A sensor-based SLAM algorithm for camera tracking in virtual studio. <i>International Journal of Automation and Computing</i> , 2008 , 5, 152-162	3.5	12
1	A Hybrid Marker-Based Camera Tracking Approach in Augmented Reality 2007 ,		1