

Maurizio Mazzoleni

List of Publications by Citations

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Version: 2024-04-27

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

41
papers

878
citations

14
h-index

29
g-index

58
ext. papers

1,229
ext. citations

5
avg. IF

4.43
L-index

#	Paper	IF	Citations
41	Twenty-three unsolved problems in hydrology (UPH) from a community perspective. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1141-1158	3.5	259
40	Adaptation to flood risk: Results of international paired flood event studies. <i>Earth's Future</i> , 2017 , 5, 953-965	9.65	111
39	Hess Opinions: An interdisciplinary research agenda to explore the unintended consequences of structural flood protection. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 5629-5637	5.5	50
38	Can assimilation of crowdsourced data in hydrological modelling improve flood prediction?. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 839-861	5.5	48
37	Flooding Hazard Mapping in Floodplain Areas Affected by Piping Breaches in the Po River, Italy. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 717-731	1.8	48
36	Nighttime light data reveal how flood protection shapes human proximity to rivers. <i>Science Advances</i> , 2018 , 4, eaar5779	14.3	33
35	Assimilating uncertain, dynamic and intermittent streamflow observations in hydrological models. <i>Advances in Water Resources</i> , 2015 , 83, 323-339	4.7	27
34	The need to integrate flood and drought disaster risk reduction strategies. <i>Water Security</i> , 2020 , 11, 100070	3.8	23
33	Exploring the influence of citizen involvement on the assimilation of crowdsourced observations: a modelling study based on the 2013 flood event in the Bacchiglione catchment (Italy). <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 391-416	5.5	22
32	Evaluating precipitation datasets for large-scale distributed hydrological modelling. <i>Journal of Hydrology</i> , 2019 , 578, 124076	6	21
31	Exposure to natural hazard events unassociated with policy change for improved disaster risk reduction. <i>Nature Communications</i> , 2021 , 12, 193	17.4	19
30	Citizens AND Hydrology (CANDHY): conceptualizing a transdisciplinary framework for citizen science addressing hydrological challenges. <i>Hydrological Sciences Journal</i> , 2021 , 1-18	3.5	17
29	Testing UAV-derived topography for hydraulic modelling in a tropical environment. <i>Natural Hazards</i> , 2020 , 103, 139-163	3	15
28	Capturing flood-risk dynamics with a coupled agent-based and hydraulic modelling framework. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1458-1473	3.5	15
27	Concurrent wet and dry hydrological extremes at the global scale. <i>Earth System Dynamics</i> , 2020 , 11, 251-266	4.66	14
26	Probabilistic Assessment of Flood Hazard due to Levee Breaches Using Fragility Functions. <i>Water Resources Research</i> , 2019 , 55, 8740-8764	5.4	13
25	A systematic comparison of statistical and hydrological methods for design flood estimation 2019 , 50, 1665-1678		13

24	Flood Inundation Mapping of the Sparsely Gauged Large-Scale Brahmaputra Basin Using Remote Sensing Products. <i>Remote Sensing</i> , 2019 , 11, 501	5	12
23	Innovative Probabilistic Methodology for Evaluating the Reliability of Discrete Levee Reaches Owing to Piping. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 04014067	1.8	12
22	Real-time assimilation of streamflow observations into a hydrological routing model: effects of model structures and updating methods. <i>Hydrological Sciences Journal</i> , 2018 , 63, 386-407	3.5	12
21	Extreme dry and wet spells face changes in their duration and timing. <i>Environmental Research Letters</i> , 2020 , 15, 074040	6.2	11
20	Socio-Hydrological Modelling: The Influence of Reservoir Management and Societal Responses on Flood Impacts. <i>Water (Switzerland)</i> , 2020 , 12, 1384	3	9
19	Influence of spatial distribution of sensors and observation accuracy on the assimilation of distributed streamflow data in hydrological modelling. <i>Hydrological Sciences Journal</i> , 2016 , 1-19	3.5	9
18	Effects of levee cover strength on flood mapping in the case of levee breach due to overtopping. <i>Hydrological Sciences Journal</i> , 2017 , 62, 892-910	3.5	8
17	Unravelling the influence of human behaviour on reducing casualties during flood evacuation. <i>Hydrological Sciences Journal</i> , 2020 , 65, 2359-2375	3.5	8
16	Improving flood forecasting using an input correction method in urban models in poorly gauged areas. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1096-1111	3.5	7
15	Floodplains in the Anthropocene: A Global Analysis of the Interplay Between Human Population, Built Environment, and Flood Severity. <i>Water Resources Research</i> , 2021 , 57, e2020WR027744	5.4	7
14	Assimilating flow and level data into an urban drainage surrogate model for forecasting flows and overflows. <i>Journal of Environmental Management</i> , 2019 , 248, 109052	7.9	6
13	Improving Flood Prediction Assimilating Uncertain Crowdsourced Data into Hydrological and Hydraulic Models		6
12	Towards assimilation of crowdsourced observations for different levels of citizen engagement: the flood event of 2013 in the Bacchiglione catchment		3
11	Can assimilation of crowdsourced streamflow observations in hydrological modelling improve flood prediction?		3
10	Analysis of 220 Years of Floodplain Population Dynamics in the US at Different Spatial Scales. <i>Water (Switzerland)</i> , 2021 , 13, 141	3	3
9	Concurrent wet and dry hydrological extremes at the global scale 2019 ,		2
8	Data Assimilation in Hydrologic Routing: Impact of Model Error and Sensor Placement on Flood Forecasting. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018 , 23, 04018018	1.8	2
7	Integrating Qualitative Flow Observations in a Lumped Hydrologic Routing Model. <i>Water Resources Research</i> , 2019 , 55, 6088-6108	5.4	2

6	The legacy of large dams in the United States. <i>Ambio</i> , 2021 , 50, 1798-1808	6.5	2
5	Integrating Multiple Research Methods to Unravel the Complexity of Human-Water Systems. <i>AGU Advances</i> , 2021 , 2, e2021AV000473	5.4	2
4	Design Flood Estimation: Exploring the Potentials and Limitations of Two Alternative Approaches. <i>Water (Switzerland)</i> , 2019 , 11, 729	3	1
3	Exploring Assimilation of Crowdsourcing Observations into Flood Models. <i>Handbook of Environmental Chemistry</i> , 2019 , 209-234	0.8	0
2	Erratum for Flooding Hazard Mapping in Floodplain Areas Affected by Piping Breaches in the Po River, Italy By M. Mazzoleni, B. Bacchi, S. Barontini, G. Di Baldassarre, M. Pilotti, and R. Ranzi. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 08014001	1.8	
1	Flood Modelling, Mapping and Monitoring of Sparsely Gauged Catchments Using Remote Sensing Products. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021 , 173-198	0.4	