

# Maurizio Mazzoleni

## List of Publications by Year in Descending Order

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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	The legacy of large dams in the United States. <i>Ambio</i> , <b>2021</b> , 50, 1798-1808	6.5	2
40	Floodplains in the Anthropocene: A Global Analysis of the Interplay Between Human Population, Built Environment, and Flood Severity. <i>Water Resources Research</i> , <b>2021</b> , 57, e2020WR027744	5.4	7
39	Citizens AND HYdrology (CANDHY): conceptualizing a transdisciplinary framework for citizen science addressing hydrological challenges. <i>Hydrological Sciences Journal</i> , <b>2021</b> , 1-18	3.5	17
38	Analysis of 220 Years of Floodplain Population Dynamics in the US at Different Spatial Scales. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 141	3	3
37	Flood Modelling, Mapping and Monitoring of Sparsely Gauged Catchments Using Remote Sensing Products. <i>Springer Transactions in Civil and Environmental Engineering</i> , <b>2021</b> , 173-198	0.4	
36	Integrating Multiple Research Methods to Unravel the Complexity of Human-Water Systems. <i>AGU Advances</i> , <b>2021</b> , 2, e2021AV000473	5.4	2
35	Exposure to natural hazard events unassociated with policy change for improved disaster risk reduction. <i>Nature Communications</i> , <b>2021</b> , 12, 193	17.4	19
34	Testing UAV-derived topography for hydraulic modelling in a tropical environment. <i>Natural Hazards</i> , <b>2020</b> , 103, 139-163	3	15
33	Socio-Hydrological Modelling: The Influence of Reservoir Management and Societal Responses on Flood Impacts. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1384	3	9
32	Concurrent wet and dry hydrological extremes at the global scale. <i>Earth System Dynamics</i> , <b>2020</b> , 11, 251-266	4.6	14
31	Extreme dry and wet spells face changes in their duration and timing. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 074040	6.2	11
30	Improving flood forecasting using an input correction method in urban models in poorly gauged areas. <i>Hydrological Sciences Journal</i> , <b>2020</b> , 65, 1096-1111	3.5	7
29	The need to integrate flood and drought disaster risk reduction strategies. <i>Water Security</i> , <b>2020</b> , 11, 100070	3.8	23
28	Unravelling the influence of human behaviour on reducing casualties during flood evacuation. <i>Hydrological Sciences Journal</i> , <b>2020</b> , 65, 2359-2375	3.5	8
27	Capturing flood-risk dynamics with a coupled agent-based and hydraulic modelling framework. <i>Hydrological Sciences Journal</i> , <b>2020</b> , 65, 1458-1473	3.5	15
26	Probabilistic Assessment of Flood Hazard due to Levee Breaches Using Fragility Functions. <i>Water Resources Research</i> , <b>2019</b> , 55, 8740-8764	5.4	13
25	Assimilating flow and level data into an urban drainage surrogate model for forecasting flows and overflows. <i>Journal of Environmental Management</i> , <b>2019</b> , 248, 109052	7.9	6

24	Evaluating precipitation datasets for large-scale distributed hydrological modelling. <i>Journal of Hydrology</i> , <b>2019</b> , 578, 124076	6	21
23	Concurrent wet and dry hydrological extremes at the global scale <b>2019</b> ,		2
22	A systematic comparison of statistical and hydrological methods for design flood estimation <b>2019</b> , 50, 1665-1678		13
21	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , <b>2019</b> , 64, 1141-1158	3.5	259
20	Design Flood Estimation: Exploring the Potentials and Limitations of Two Alternative Approaches. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 729	3	1
19	Flood Inundation Mapping of the Sparsely Gauged Large-Scale Brahmaputra Basin Using Remote Sensing Products. <i>Remote Sensing</i> , <b>2019</b> , 11, 501	5	12
18	Integrating Qualitative Flow Observations in a Lumped Hydrologic Routing Model. <i>Water Resources Research</i> , <b>2019</b> , 55, 6088-6108	5.4	2
17	Exploring Assimilation of Crowdsourcing Observations into Flood Models. <i>Handbook of Environmental Chemistry</i> , <b>2019</b> , 209-234	0.8	0
16	Real-time assimilation of streamflow observations into a hydrological routing model: effects of model structures and updating methods. <i>Hydrological Sciences Journal</i> , <b>2018</b> , 63, 386-407	3.5	12
15	Data Assimilation in Hydrologic Routing: Impact of Model Error and Sensor Placement on Flood Forecasting. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2018</b> , 23, 04018018	1.8	2
14	Nighttime light data reveal how flood protection shapes human proximity to rivers. <i>Science Advances</i> , <b>2018</b> , 4, eaar5779	14.3	33
13	Hess Opinions: An interdisciplinary research agenda to explore the unintended consequences of structural flood protection. <i>Hydrology and Earth System Sciences</i> , <b>2018</b> , 22, 5629-5637	5.5	50
12	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> , <b>2018</b> , 22, 391-416	5.5	22
11	Can assimilation of crowdsourced data in hydrological modelling improve flood prediction?. <i>Hydrology and Earth System Sciences</i> , <b>2017</b> , 21, 839-861	5.5	48
10	Adaptation to flood risk: Results of international paired flood event studies. <i>Earth's Future</i> , <b>2017</b> , 5, 953-965	9.5	111
9	Effects of levee cover strength on flood mapping in the case of levee breach due to overtopping. <i>Hydrological Sciences Journal</i> , <b>2017</b> , 62, 892-910	3.5	8
8	Influence of spatial distribution of sensors and observation accuracy on the assimilation of distributed streamflow data in hydrological modelling. <i>Hydrological Sciences Journal</i> , <b>2016</b> , 1-19	3.5	9
7	Innovative Probabilistic Methodology for Evaluating the Reliability of Discrete Levee Reaches Owing to Piping. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2015</b> , 20, 04014067	1.8	12

6	Assimilating uncertain, dynamic and intermittent streamflow observations in hydrological models. <i>Advances in Water Resources</i> , <b>2015</b> , 83, 323-339	4-7	27
5	Flooding Hazard Mapping in Floodplain Areas Affected by Piping Breaches in the Po River, Italy. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2014</b> , 19, 717-731	1-8	48
4	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> , <b>2014</b> , 19, 08014001	1-8	
3	Improving Flood Prediction Assimilating Uncertain Crowdsourced Data into Hydrological and Hydraulic Models		6
2	Towards assimilation of crowdsourced observations for different levels of citizen engagement: the flood event of 2013 in the Bacchiglione catchment		3
1	Can assimilation of crowdsourced streamflow observations in hydrological modelling improve flood prediction?		3