

# Alessio Domeneghetti

## List of Publications by Citations

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**Version:** 2024-04-28

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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.

39  
papers

1,017  
citations

20  
h-index

31  
g-index

53  
ext. papers

1,336  
ext. citations

4.3  
avg, IF

4.62  
L-index

#	Paper	IF	Citations
39	Measurements and Observations in the XXI century (MOXXI): innovation and multi-disciplinarity to sense the hydrological cycle. <i>Hydrological Sciences Journal</i> , <b>2018</b> , 63, 169-196	3.5	107
38	Assessing rating-curve uncertainty and its effects on hydraulic model calibration. <i>Hydrology and Earth System Sciences</i> , <b>2012</b> , 16, 1191-1202	5.5	92
37	Probabilistic flood hazard mapping: effects of uncertain boundary conditions. <i>Hydrology and Earth System Sciences</i> , <b>2013</b> , 17, 3127-3140	5.5	73
36	The use of remote sensing-derived water surface data for hydraulic model calibration. <i>Remote Sensing of Environment</i> , <b>2014</b> , 149, 130-141	13.2	71
35	Evolution of flood risk over large areas: Quantitative assessment for the Po river. <i>Journal of Hydrology</i> , <b>2015</b> , 527, 809-823	6	61
34	Development and assessment of uni- and multivariable flood loss models for Emilia-Romagna (Italy). <i>Natural Hazards and Earth System Sciences</i> , <b>2018</b> , 18, 2057-2079	3.9	46
33	On the use of SRTM and altimetry data for flood modeling in data-sparse regions. <i>Water Resources Research</i> , <b>2016</b> , 52, 2901-2918	5.4	46
32	Automated River Reach Definition Strategies: Applications for the Surface Water and Ocean Topography Mission. <i>Water Resources Research</i> , <b>2017</b> , 53, 8164-8186	5.4	40
31	Adaptation of water resources systems to changing society and environment: a statement by the International Association of Hydrological Sciences. <i>Hydrological Sciences Journal</i> , <b>2016</b> , 61, 2803-2817	3.5	40
30	Towards an operationalisation of nature-based solutions for natural hazards. <i>Science of the Total Environment</i> , <b>2020</b> , 731, 138855	10.2	39
29	Evolutionary leap in large-scale flood risk assessment needed. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2018</b> , 5, e1266	5.7	38
28	Testing empirical and synthetic flood damage models: the case of Italy. <i>Natural Hazards and Earth System Sciences</i> , <b>2019</b> , 19, 661-678	3.9	37
27	Comparing 2D capabilities of HEC-RAS and LISFLOOD-FP on complex topography. <i>Hydrological Sciences Journal</i> , <b>2019</b> , 64, 1769-1782	3.5	36
26	Identifying robust large-scale flood risk mitigation strategies: A quasi-2D hydraulic model as a tool for the Po river. <i>Physics and Chemistry of the Earth</i> , <b>2011</b> , 36, 299-308	3	36
25	Exploiting the proliferation of current and future satellite observations of rivers. <i>Hydrological Processes</i> , <b>2016</b> , 30, 2891-2896	3.3	33
24	Investigating the uncertainty of satellite altimetry products for hydrodynamic modelling. <i>Hydrological Processes</i> , <b>2015</b> , 29, 4908-4918	3.3	22
23	Are flood damage models converging to reality? Lessons learnt from a blind test. <i>Natural Hazards and Earth System Sciences</i> , <b>2020</b> , 20, 2997-3017	3.9	22

22	Characterizing water surface elevation under different flow conditions for the upcoming SWOT mission. <i>Journal of Hydrology</i> , <b>2018</b> , 561, 848-861	6	21
21	Altimetry for the future: Building on 25 years of progress. <i>Advances in Space Research</i> , <b>2021</b> , 68, 319-363	2.4	21
20	A review of hydro-meteorological hazard, vulnerability, and risk assessment frameworks and indicators in the context of nature-based solutions. <i>International Journal of Disaster Risk Reduction</i> , <b>2020</b> , 50, 101728	4.5	20
19	A New Automated Method for Improved Flood Defense Representation in Large-Scale Hydraulic Models. <i>Water Resources Research</i> , <b>2019</b> , 55, 11007-11034	5.4	19
18	Flood risk mitigation in developing countries: deriving accurate topographic data for remote areas under severe time and economic constraints. <i>Journal of Flood Risk Management</i> , <b>2015</b> , 8, 301-314	3.1	11
17	Is anthropogenic land subsidence a possible driver of riverine flood-hazard dynamics? A case study in Ravenna, Italy. <i>Hydrological Sciences Journal</i> , <b>2017</b> , 62, 2440-2455	3.5	9
16	Flow Duration Curve from Satellite: Potential of a Lifetime SWOT Mission. <i>Remote Sensing</i> , <b>2018</b> , 10, 1107	5	8
15	Anticipated Improvements to River Surface Elevation Profiles From the Surface Water and Ocean Topography Mission. <i>Frontiers in Earth Science</i> , <b>2019</b> , 7,	3.5	7
14	Levee Breaching: A New Extension to the LISFLOOD-FP Model. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 942	3	6
13	Bayesian Data-Driven approach enhances synthetic flood loss models. <i>Environmental Modelling and Software</i> , <b>2020</b> , 132, 104798	5.2	4
12	Large-scale stochastic flood hazard analysis applied to the Po River. <i>Natural Hazards</i> , <b>2020</b> , 104, 2027-2049	3.9	4
11	Effects of anthropogenic land-subsidence on inundation dynamics: the case study of Ravenna, Italy. <i>Proceedings of the International Association of Hydrological Sciences</i> , 373, 161-166		3
10	Comparison of two modelling strategies for 2D large-scale flood simulations. <i>Environmental Modelling and Software</i> , <b>2021</b> , 146, 105225	5.2	3
9	Testing the use of single- and multi-mission satellite altimetry for the calibration of hydraulic models. <i>Advances in Water Resources</i> , <b>2021</b> , 151, 103887	4.7	3
8	The use of SARAL/AltiKa altimeter measurements for multi-site hydrodynamic model validation and rating curves estimation: An application to Brahmaputra River. <i>Advances in Space Research</i> , <b>2021</b> , 68, 691-702	2.4	3
7	Are flood damage models converging to reality? Lessons learnt from a blind test <b>2020</b> ,		2
6	Simplified graphical tools for assessing flood-risk change over large flood-prone areas. <i>Proceedings of the International Association of Hydrological Sciences</i> , 370, 209-215		2
5	Climate, orography and scale controls on flood frequency in Triveneto (Italy). <i>Proceedings of the International Association of Hydrological Sciences</i> , 373, 95-100		2

4	Po River Morphodynamics Modelled with the Open-source Code iRIC. <i>GeoPlanet: Earth and Planetary Sciences</i> , <b>2018</b> , 335-346	0.1	2
3	On the Management of Nature-Based Solutions in Open-Air Laboratories: New Insights and Future Perspectives. <i>Resources</i> , <b>2021</b> , 10, 36	3.7	1
2	Flood Detection and Monitoring with EO Data Tools and Systems <b>2021</b> , 195-215		1
1	Flow Duration Curves from Surface Reflectance in the Near Infrared Band. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3458	2.6	0