

# Alessio Domeneghetti

## List of Publications by Year in descending order

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57  
papers

2,012  
citations

245449

24  
h-index

252701

43  
g-index

81  
all docs

81  
docs citations

81  
times ranked

3184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brief communication: On the environmental impacts of the 2023 floods in Emilia-Romagna (Italy). <i>Natural Hazards and Earth System Sciences</i> , 2024, 24, 673-679.	3.7	2
2	Abstract 5694: Elucidating areca nut-induced miRNA-mRNA regulatory networks in head and neck cancer pathogenesis. <i>Cancer Research</i> , 2024, 84, 5694-5694.	0.9	0
3	Potential Legacy of SWOT Mission for the Estimation of Flowâ€“Duration Curves. <i>Remote Sensing</i> , 2024, 16, 2607.	4.1	0
4	Unveiling the assessment process behind an integrated flood risk management plan. <i>International Journal of Disaster Risk Reduction</i> , 2024, , 104755.	4.0	0
5	A methodological framework for flood hazard assessment for land transport infrastructures. <i>International Journal of Disaster Risk Reduction</i> , 2023, 85, 103491.	4.0	5
6	Flooding in the Digital Twin Earth: The Case Study of the Enza River Levee Breach in December 2017. <i>Water (Switzerland)</i> , 2023, 15, 1644.	2.8	5
7	Quantifying the effects of nature-based solutions in reducing risks from hydrometeorological hazards: Examples from Europe. <i>International Journal of Disaster Risk Reduction</i> , 2023, 93, 103771.	4.0	4
8	Estimations of Crop Losses Due to Flood Using Multiple Sources of Information and Models: The Case Study of the Panaro River. <i>Water (Switzerland)</i> , 2023, 15, 1980.	2.8	3
9	Unraveling Long-Term Flood Risk Dynamics Across the Murray-Darling Basin Using a Large-Scale Hydraulic Model and Satellite Data. <i>Frontiers in Water</i> , 2022, 3, .	2.4	3
10	Flood Detection and Monitoring with EO Data Tools and Systems. , 2021, , 195-215.		2
11	Flow Duration Curves from Surface Reflectance in the Near Infrared Band. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3458.	2.6	4
12	On the Management of Nature-Based Solutions in Open-Air Laboratories: New Insights and Future Perspectives. <i>Resources</i> , 2021, 10, 36.	3.6	8
13	Testing the use of single- and multi-mission satellite altimetry for the calibration of hydraulic models. <i>Advances in Water Resources</i> , 2021, 151, 103887.	3.8	13
14	Altimetry for the future: Building on 25 years of progress. <i>Advances in Space Research</i> , 2021, 68, 319-363.	2.7	149
15	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> , 2021, 68, 691-702.	2.7	12
16	An efficient data structure approach for BIM-to-point-cloud change detection using modifiable nested octree. <i>Automation in Construction</i> , 2021, 132, 103922.	10.0	24
17	Comparison of two modelling strategies for 2D large-scale flood simulations. <i>Environmental Modelling and Software</i> , 2021, 146, 105225.	4.6	20
18	Bayesian Data-Driven approach enhances synthetic flood loss models. <i>Environmental Modelling and Software</i> , 2020, 132, 104798.	4.6	7

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19	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> , 2020, 50, 101728.	4.0	64
20	Large-scale stochastic flood hazard analysis applied to the Po River. <i>Natural Hazards</i> , 2020, 104, 2027-2049.	3.4	7
21	Towards an operationalisation of nature-based solutions for natural hazards. <i>Science of the Total Environment</i> , 2020, 731, 138855.	8.2	113
22	Levee Breaching: A New Extension to the LISFLOOD-FP Model. <i>Water (Switzerland)</i> , 2020, 12, 942.	2.8	21
23	Are flood damage models converging to "reality"? Lessons learnt from a blind test. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 2997-3017.	3.7	48
24	Anticipated Improvements to River Surface Elevation Profiles From the Surface Water and Ocean Topography Mission. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	12
25	Comparing 2D capabilities of HEC-RAS and LISFLOOD-FP on complex topography. <i>Hydrological Sciences Journal</i> , 2019, 64, 1769-1782.	2.7	97
26	A Mechanism For the Influence of Microwave Radiation on Serotonergic Receptors in the Brain. <i>Biophysics (Russian Federation)</i> , 2019, 64, 626-631.	0.8	0
27	A New Automated Method for Improved Flood Defense Representation in Large-Scale Hydraulic Models. <i>Water Resources Research</i> , 2019, 55, 11007-11034.	4.2	48
28	Preface: Remote Sensing for Flood Mapping and Monitoring of Flood Dynamics. <i>Remote Sensing</i> , 2019, 11, 943.	4.1	43
29	Testing empirical and synthetic flood damage models: the case of Italy. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 661-678.	3.7	75
30	Characterizing water surface elevation under different flow conditions for the upcoming SWOT mission. <i>Journal of Hydrology</i> , 2018, 561, 848-861.	5.6	25
31	Measurements and Observations in the XXI century (MOXXI): innovation and multi-disciplinarity to sense the hydrological cycle. <i>Hydrological Sciences Journal</i> , 2018, 63, 169-196.	2.7	162
32	Evolutionary leap in large-scale flood risk assessment needed. <i>Wiley Interdisciplinary Reviews: Water</i> , 2018, 5, e1266.	7.1	52
33	Floodplain DEM Extraction Based on Swot HR Insar Data. , 2018, , .		0
34	Flow Duration Curve from Satellite: Potential of a Lifetime SWOT Mission. <i>Remote Sensing</i> , 2018, 10, 1107.	4.1	13
35	Development and assessment of uni- and multivariable flood loss models for Emilia-Romagna (Italy). <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 2057-2079.	3.7	86
36	Po River Morphodynamics Modelled with the Open-source Code iRIC. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2018, , 335-346.	0.0	4

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37	Is anthropogenic land subsidence a possible driver of riverine flood-hazard dynamics? A case study in Ravenna, Italy. <i>Hydrological Sciences Journal</i> , 2017, 62, 2440-2455.	2.7	17
38	Automated River Reach Definition Strategies: Applications for the Surface Water and Ocean Topography Mission. <i>Water Resources Research</i> , 2017, 53, 8164-8186.	4.2	49
39	On the use of SRTM and altimetry data for flood modeling in data-sparse regions. <i>Water Resources Research</i> , 2016, 52, 2901-2918.	4.2	57
40	Exploiting the proliferation of current and future satellite observations of rivers. <i>Hydrological Processes</i> , 2016, 30, 2891-2896.	2.6	43
41	Adaptation of water resources systems to changing society and environment: a statement by the International Association of Hydrological Sciences. <i>Hydrological Sciences Journal</i> , 2016, 61, 2803-2817.	2.7	64
42	Investigating the uncertainty of satellite altimetry products for hydrodynamic modelling. <i>Hydrological Processes</i> , 2015, 29, 4908-4918.	2.6	24
43	Evolution of flood risk over large areas: Quantitative assessment for the Po river. <i>Journal of Hydrology</i> , 2015, 527, 809-823.	5.6	83
44	Increased Risk of Osteopenia Among Hiv-Positive Adults Ages 18-49. <i>Value in Health</i> , 2015, 18, A156.	0.3	0
45	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> , 2015, 8, 301-314.	3.4	14
46	The use of remote sensing-derived water surface data for hydraulic model calibration. <i>Remote Sensing of Environment</i> , 2014, 149, 130-141.	11.1	94
47	Probabilistic flood hazard mapping: effects of uncertain boundary conditions. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3127-3140.	5.0	105
48	Assessing rating-curve uncertainty and its effects on hydraulic model calibration. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 1191-1202.	5.0	125
49	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> , 2011, 36, 299-308.	3.1	48
50	Frequency agility in a ZigBee network for smart grid application. , 2010, , .		18
51	Long Lasting Persistence of <i>Bacillus thuringiensis</i> Subsp. <i>israelensis</i> (Bti) in Mosquito Natural Habitats. <i>PLoS ONE</i> , 2008, 3, e3432.	2.5	64
52	Institutions and Ethnic Politics in Africa by Daniel N. Posner. <i>Political Science Quarterly</i> , 2006, 121, 330-332.	0.2	0
53	Simplified graphical tools for assessing flood-risk change over large flood-prone areas. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 370, 209-215.	1.0	3
54	Effects of anthropogenic land-subsidence on inundation dynamics: the case study of Ravenna, Italy. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 373, 161-166.	1.0	3

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55	Climate, orography and scale controls on flood frequency in Triveneto (Italy). Proceedings of the International Association of Hydrological Sciences, 0, 373, 95-100.	1.0	2
56	At the intersection of humanity and technology: a technofeminist intersectional critical discourse analysis of gender and race biases in the natural language processing model GPT-3. AI and Society, 0, , .	4.8	0
57	Qualitative flood risk assessment for road and railway infrastructures: the experience of the MOVIDA project. Proceedings of the International Association of Hydrological Sciences, 0, 385, 407-413.	1.0	0