Alessio Domeneghetti

List of Publications by Year in Descending Order

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	Comparison of two modelling strategies for 2D large-scale flood simulations. *Environmental Modelling and Software*, **2021**, 146, 105225	5.2	3
38	Flow Duration Curves from Surface Reflectance in the Near Infrared Band. *Applied Sciences (Switzerland)*, **2021**, 11, 3458	2.6	0
37	On the Management of Nature-Based Solutions in Open-Air Laboratories: New Insights and Future Perspectives. *Resources*, **2021**, 10, 36	3.7	1
36	Testing the use of single- and multi-mission satellite altimetry for the calibration of hydraulic models. *Advances in Water Resources*, **2021**, 151, 103887	4.7	3
35	Altimetry for the future: Building on 25 years of progress. *Advances in Space Research*, **2021**, 68, 319-363	2.4	21
34	Flood Detection and Monitoring with EO Data Tools and Systems **2021**, 195-215		1
33	The use of SARAL/AltiKa altimeter measurements for multi-site hydrodynamic model validation and rating curves estimation: An application to Brahmaputra River. *Advances in Space Research*, **2021**, 68, 691-702	2.4	3
32	Towards an operationalisation of nature-based solutions for natural hazards. *Science of the Total Environment*, **2020**, 731, 138855	10.2	39
31	Are flood damage models converging to reality? Lessons learnt from a blind test **2020**,		2
30	Levee Breaching: A New Extension to the LISFLOOD-FP Model. *Water (Switzerland)*, **2020**, 12, 942	3	6
29	Are flood damage models converging to reality? Lessons learnt from a blind test. *Natural Hazards and Earth System Sciences*, **2020**, 20, 2997-3017	3.9	22
28	Bayesian Data-Driven approach enhances synthetic flood loss models. *Environmental Modelling and Software*, **2020**, 132, 104798	5.2	4
27	A review of hydro-meteorological hazard, vulnerability, and risk assessment frameworks and indicators in the context of nature-based solutions. *International Journal of Disaster Risk Reduction*, **2020**, 50, 101728	4.5	20
26	Large-scale stochastic flood hazard analysis applied to the Po River. *Natural Hazards*, **2020**, 104, 2027-2049	3	4
25	Testing empirical and synthetic flood damage models: the case of Italy. *Natural Hazards and Earth System Sciences*, **2019**, 19, 661-678	3.9	37
24	Anticipated Improvements to River Surface Elevation Profiles From the Surface Water and Ocean Topography Mission. *Frontiers in Earth Science*, **2019**, 7,	3.5	7
23	Comparing 2D capabilities of HEC-RAS and LISFLOOD-FP on complex topography. *Hydrological Sciences Journal*, **2019**, 64, 1769-1782	3.5	36

#	Publication	IF	Cit.
22	A New Automated Method for Improved Flood Defense Representation in Large-Scale Hydraulic Models. *Water Resources Research*, **2019**, 55, 11007-11034	5.4	19
21	Characterizing water surface elevation under different flow conditions for the upcoming SWOT mission. *Journal of Hydrology*, **2018**, 561, 848-861	6	21
20	Measurements and Observations in the XXI century (MOXXI): innovation and multi-disciplinarity to sense the hydrological cycle. *Hydrological Sciences Journal*, **2018**, 63, 169-196	3.5	107
19	Evolutionary leap in large-scale flood risk assessment needed. *Wiley Interdisciplinary Reviews: Water*, **2018**, 5, e1266	5.7	38
18	Flow Duration Curve from Satellite: Potential of a Lifetime SWOT Mission. *Remote Sensing*, **2018**, 10, 1107	5	8
17	Development and assessment of uni- and multivariable flood loss models for Emilia-Romagna (Italy). *Natural Hazards and Earth System Sciences*, **2018**, 18, 2057-2079	3.9	46
16	Po River Morphodynamics Modelled with the Open-source Code iRIC. *GeoPlanet: Earth and Planetary Sciences*, **2018**, 335-346	0.1	2
15	Is anthropogenic land subsidence a possible driver of riverine flood-hazard dynamics? A case study in Ravenna, Italy. *Hydrological Sciences Journal*, **2017**, 62, 2440-2455	3.5	9
14	Automated River Reach Definition Strategies: Applications for the Surface Water and Ocean Topography Mission. *Water Resources Research*, **2017**, 53, 8164-8186	5.4	40
13	On the use of SRTM and altimetry data for flood modeling in data-sparse regions. *Water Resources Research*, **2016**, 52, 2901-2918	5.4	46
12	Exploiting the proliferation of current and future satellite observations of rivers. *Hydrological Processes*, **2016**, 30, 2891-2896	3.3	33
11	Adaptation of water resources systems to changing society and environment: a statement by the International Association of Hydrological Sciences. *Hydrological Sciences Journal*, **2016**, 61, 2803-2817	3.5	40
10	Evolution of flood risk over large areas: Quantitative assessment for the Po river. *Journal of Hydrology*, **2015**, 527, 809-823	6	61
9	Flood risk mitigation in developing countries: deriving accurate topographic data for remote areas under severe time and economic constraints. *Journal of Flood Risk Management*, **2015**, 8, 301-314	3.1	11
8	Investigating the uncertainty of satellite altimetry products for hydrodynamic modelling. *Hydrological Processes*, **2015**, 29, 4908-4918	3.3	22
7	The use of remote sensing-derived water surface data for hydraulic model calibration. *Remote Sensing of Environment*, **2014**, 149, 130-141	13.2	71
6	Probabilistic flood hazard mapping: effects of uncertain boundary conditions. *Hydrology and Earth System Sciences*, **2013**, 17, 3127-3140	5.5	73
5	Assessing rating-curve uncertainty and its effects on hydraulic model calibration. *Hydrology and Earth System Sciences*, **2012**, 16, 1191-1202	5.5	92

4   Identifying robust large-scale flood risk mitigation strategies: A quasi-2D hydraulic model as a tool for the Po river. *Physics and Chemistry of the Earth*, **2011**, 36, 299-308   3   36

3   Simplified graphical tools for assessing flood-risk change over large flood-prone areas. *Proceedings of the International Association of Hydrological Sciences*,370, 209-215   2

2   Effects of anthropogenic land-subsidence on inundation dynamics: the case study of Ravenna, Italy. *Proceedings of the International Association of Hydrological Sciences*,373, 161-166   3

1   Climate, orography and scale controls on flood frequency in Triveneto (Italy). *Proceedings of the International Association of Hydrological Sciences*,373, 95-100   2