

Francesco Dottori

List of Publications by Citations

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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.

35
papers

1,668
citations

17
h-index

40
g-index

59
ext. papers

2,161
ext. citations

6.3
avg, IF

5.01
L-index

#	Paper	IF	Citations
35	Global projections of river flood risk in a warmer world. <i>Earth's Future</i> , 2017 , 5, 171-182	7.9	288
34	Increased human and economic losses from river flooding with anthropogenic warming. <i>Nature Climate Change</i> , 2018 , 8, 781-786	21.4	202
33	Development and evaluation of a framework for global flood hazard mapping. <i>Advances in Water Resources</i> , 2016 , 94, 87-102	4.7	170
32	Ensemble flood risk assessment in Europe under high end climate scenarios. <i>Global Environmental Change</i> , 2015 , 35, 199-212	10.1	160
31	Climatic and socioeconomic controls of future coastal flood risk in Europe. <i>Nature Climate Change</i> , 2018 , 8, 776-780	21.4	113
30	Detailed data is welcome, but with a pinch of salt: Accuracy, precision, and uncertainty in flood inundation modeling. <i>Water Resources Research</i> , 2013 , 49, 6079-6085	5.4	105
29	Developments in large-scale coastal flood hazard mapping. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 1841-1853	3.9	93
28	Developments of a flood inundation model based on the cellular automata approach: Testing different methods to improve model performance. <i>Physics and Chemistry of the Earth</i> , 2011 , 36, 266-280 ³		76
27	INSYDE: a synthetic, probabilistic flood damage model based on explicit cost analysis. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 2577-2591	3.9	72
26	Multi-Model Projections of River Flood Risk in Europe under Global Warming. <i>Climate</i> , 2018 , 6, 6	3.1	64
25	Modelling the socio-economic impact of river floods in Europe. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 1401-1411	3.9	46
24	A methodology for flood susceptibility and vulnerability analysis in complex flood scenarios. <i>Journal of Flood Risk Management</i> , 2018 , 11, S632-S645	3.1	42
23	An operational procedure for rapid flood risk assessment in Europe. <i>Natural Hazards and Earth System Sciences</i> , 2017 , 17, 1111-1126	3.9	41
22	Testing a simple 2D hydraulic model in an urban flood experiment. <i>Hydrological Processes</i> , 2013 , 27, 1301-1320 ⁴⁰	5.3	40
21	A first collective validation of global fluvial flood models for major floods in Nigeria and Mozambique. <i>Environmental Research Letters</i> , 2018 , 13, 104007	6.2	36
20	Causes, impacts and patterns of disastrous river floods. <i>Nature Reviews Earth & Environment</i> , 2021 , 2, 592-609	30.2	26
19	An entropy approach for the optimization of cross-section spacing for river modelling. <i>Hydrological Sciences Journal</i> , 2014 , 59, 126-137	3.5	20

18	Investigating the influence of minor hydraulic structures on modeling flood events in lowland areas. <i>Hydrological Processes</i> , 2014 , 28, 1742-1755	3.3	13
17	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
16	Accounting for changes in flood control delivered by ecosystems at the EU level. <i>Ecosystem Services</i> , 2020 , 44, 101142	6.1	7
15	Flood risk assessment of the European road network. <i>Natural Hazards and Earth System Sciences</i> , 2021 , 21, 1011-1027	3.9	7
14	A new dataset of river flood hazard maps for Europe and the Mediterranean Basin region		6
13	The Need for Mapping, Modeling, and Predicting Flood Hazard and Risk at the Global Scale. <i>Geophysical Monograph Series</i> , 2018 , 1-15	1.1	5
12	Reply to Comment on "A dynamic rating curve approach to indirect discharge measurement by Dottori et al. (2009)" by Koussis (2009). <i>Hydrology and Earth System Sciences</i> , 2010 , 14, 1099-1107	5.5	4
11	Independence of Future Changes of River Runoff in Europe from the Pathway to Global Warming. <i>Climate</i> , 2020 , 8, 22	3.1	4
10	Global Modeling of Seasonal Mortality Rates From River Floods. <i>Earth's Future</i> , 2020 , 8, e2020EF001541	7.9	4
9	An integrated hydrological and hydraulic modelling approach for the flood risk assessment over Po river basin 2019 ,		4
8	INSYDE: a synthetic, probabilistic flood damage model based on explicit cost analysis 2016 ,		3
7	Developments in large-scale coastal flood hazard mapping 2016 ,		3
6	Compound flood impact forecasting: integrating fluvial and flash flood impact assessments into a unified system. <i>Hydrology and Earth System Sciences</i> , 2022 , 26, 689-709	5.5	1
5	Increasing Timeliness of Satellite-Based Flood Mapping Using Early Warning Systems in the Copernicus Emergency Management Service. <i>Remote Sensing</i> , 2021 , 13, 2114	5	1
4	Global Flood Models. <i>Geophysical Monograph Series</i> , 2021 , 181-200	1.1	1
3	Global River Flood Risk Under Climate Change. <i>Geophysical Monograph Series</i> , 2021 , 251-270	1.1	0
2	Global Flood Partnership. <i>Geophysical Monograph Series</i> , 2021 , 307-322	1.1	0
1	A new dataset of river flood hazard maps for Europe and the Mediterranean Basin. <i>Earth System Science Data</i> , 2022 , 14, 1549-1569	10.5	0

