

Lorenzo Alfieri

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4127243/lorenzo-alfieri-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

3,953
citations

30
h-index

62
g-index

99
ext. papers

4,895
ext. citations

5.4
avg, IF

5.66
L-index

#	Paper	IF	Citations
74	Global projections of river flood risk in a warmer world. <i>Earth's Future</i> , 2017 , 5, 171-182	7.9	288
73	GloFAS global ensemble streamflow forecasting and flood early warning. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 1161-1175	5.5	269
72	Global warming increases the frequency of river floods in Europe. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 2247-2260	5.5	262
71	A high-resolution global flood hazard model. <i>Water Resources Research</i> , 2015 , 51, 7358-7381	5.4	256
70	Global Changes in Drought Conditions Under Different Levels of Warming. <i>Geophysical Research Letters</i> , 2018 , 45, 3285-3296	4.9	246
69	Increased human and economic losses from river flooding with anthropogenic warming. <i>Nature Climate Change</i> , 2018 , 8, 781-786	21.4	202
68	Development and evaluation of a framework for global flood hazard mapping. <i>Advances in Water Resources</i> , 2016 , 94, 87-102	4.7	170
67	Operational early warning systems for water-related hazards in Europe. <i>Environmental Science and Policy</i> , 2012 , 21, 35-49	6.2	167
66	Ensemble flood risk assessment in Europe under high end climate scenarios. <i>Global Environmental Change</i> , 2015 , 35, 199-212	10.1	160
65	Advances in pan-European flood hazard mapping. <i>Hydrological Processes</i> , 2014 , 28, 4067-4077	3.3	144
64	Multi-hazard assessment in Europe under climate change. <i>Climatic Change</i> , 2016 , 137, 105-119	4.5	136
63	Evaluation of ensemble streamflow predictions in Europe. <i>Journal of Hydrology</i> , 2014 , 517, 913-922	6	100
62	How do I know if my forecasts are better? Using benchmarks in hydrological ensemble prediction. <i>Journal of Hydrology</i> , 2015 , 522, 697-713	6	94
61	Increasing flood risk under climate change: a pan-European assessment of the benefits of four adaptation strategies. <i>Climatic Change</i> , 2016 , 136, 507-521	4.5	91
60	Visualizing probabilistic flood forecast information: expert preferences and perceptions of best practice in uncertainty communication. <i>Hydrological Processes</i> , 2013 , 27, 132-146	3.3	85
59	Changes in climate extremes, fresh water availability and vulnerability to food insecurity projected at 1.5°C and 2°C global warming with a higher-resolution global climate model. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 376,	3	74
58	An Analysis of the Soil Moisture Feedback on Convective and Stratiform Precipitation. <i>Journal of Hydrometeorology</i> , 2008 , 9, 280-291	3.7	67

57	Multi-Model Projections of River Flood Risk in Europe under Global Warming. <i>Climate</i> , 2018 , 6, 6	3.1	64
56	A global network for operational flood risk reduction. <i>Environmental Science and Policy</i> , 2018 , 84, 149-158.2		59
55	Ensemble hydro-meteorological simulation for flash flood early detection in southern Switzerland. <i>Journal of Hydrology</i> , 2012 , 424-425, 143-153	6	59
54	A simulation experiment for optimal design hyetograph selection. <i>Hydrological Processes</i> , 2008 , 22, 813-820	3.0	58
53	Flash flood detection through a multi-stage probabilistic warning system for heavy precipitation events. <i>Advances in Geosciences</i> , 2019 , 29, 69-75		53
52	A European precipitation index for extreme rain-storm and flash flood early warning. <i>Meteorological Applications</i> , 2015 , 22, 3-13	2.1	52
51	Calibration of the Global Flood Awareness System (GloFAS) using daily streamflow data. <i>Journal of Hydrology</i> , 2018 , 566, 595-606	6	51
50	HESS Opinions "Forecaster priorities for improving probabilistic flood forecasts". <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 4389-4399	5.5	47
49	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
48	GloFAS-ERA5 operational global river discharge reanalysis 1979-present. <i>Earth System Science Data</i> , 2020 , 12, 2043-2060	10.5	44
47	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
46	A dynamic runoff co-efficient to improve flash flood early warning in Europe: evaluation on the 2013 central European floods in Germany. <i>Meteorological Applications</i> , 2015 , 22, 410-418	2.1	41
45	A global streamflow reanalysis for 1980-2018. <i>Journal of Hydrology X</i> , 2020 , 6, 100049	4.6	36
44	Extreme flows and water availability of the Brahmaputra River under 1.5 and 2 °C global warming scenarios. <i>Climatic Change</i> , 2017 , 145, 159-175	4.5	30
43	Time-dependent <i>Z-R&/i> relationships for estimating rainfall fields from radar measurements. <i>Natural Hazards and Earth System Sciences</i> , 2010 , 10, 149-158	3.9	30
42	The Effect of Reference Climatology on Global Flood Forecasting. <i>Journal of Hydrometeorology</i> , 2016 , 17, 1131-1145	3.7	28
41	The extreme runoff index for flood early warning in Europe. <i>Natural Hazards and Earth System Sciences</i> , 2014 , 14, 1505-1515	3.9	26
40	A staggered approach to flash flood forecasting [case study in the C�nnes region. <i>Advances in Geosciences</i> , 2019 , 29, 13-20		26

39	The transformed-stationary approach: a generic and simplified methodology for non-stationary extreme value analysis. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 3527-3547	5.5	26
38	Optimal Water Allocation for an Alpine Hydropower System Under Changing Scenarios. <i>Water Resources Management</i> , 2006 , 20, 761-778	3.7	24
37	Impact of High-End Climate Change on Floods and Low Flows of the Brahmaputra River. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017 , 22, 04017041	1.8	23
36	The macroeconomic impacts of future river flooding in Europe. <i>Environmental Research Letters</i> , 2019 , 14, 084042	6.2	20
35	Joining Forces in a Global Flood Partnership. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, ES97-ES100	6.1	19
34	Satellite-Based Evapotranspiration in Hydrological Model Calibration. <i>Remote Sensing</i> , 2020 , 12, 428	5	17
33	Global warming to increase flood risk on European railways. <i>Climatic Change</i> , 2019 , 155, 19-36	4.5	16
32	Future Floods in Bangladesh under 1.5°C, 2°C, and 4°C Global Warming Scenarios. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018 , 23, 04018050	1.8	16
31	Evaluation of real-time global flood modeling with satellite surface inundation observations from SMAP. <i>Remote Sensing of Environment</i> , 2019 , 233, 111360	13.2	14
30	Predictability of the European heat and cold waves. <i>Climate Dynamics</i> , 2019 , 52, 2481-2495	4.2	13
29	GloFAS-ERA5 operational global river discharge reanalysis 1979-present		13
28	Global warming increases the frequency of river floods in Europe		13
27	Streamflow response to climate change in the Greater Horn of Africa. <i>Climatic Change</i> , 2019 , 156, 341-363	3.5	12
26	GloFAS global ensemble streamflow forecasting and flood early warning		11
25	Flash Flood Forecasting Based on Rainfall Thresholds 2015 , 1-38		9
24	Hydrological Ensemble Prediction Systems Around the Globe 2016 , 1-35		9
23	Non-stationary Extreme Value Analysis: a simplified approach for Earth science applications		8
22	Changes in flood damage with global warming on the eastern coast of Spain. <i>Natural Hazards and Earth System Sciences</i> , 2019 , 19, 2855-2877	3.9	8

21	Incorporating hydrology into climate suitability models changes projections of malaria transmission in Africa. <i>Nature Communications</i> , 2020 , 11, 4353	17.4	7
20	Flood risk assessment of the European road network. <i>Natural Hazards and Earth System Sciences</i> , 2021 , 21, 1011-1027	3.9	7
19	Range-dependent thresholds for global flood early warning. <i>Journal of Hydrology X</i> , 2019 , 4, 100034	4.6	6
18	Will the Paris Agreement protect us from hydro-meteorological extremes? <i>Environmental Research Letters</i> , 2020 , 15, 104037	6.2	6
17	Toward Global Stochastic River Flood Modeling. <i>Water Resources Research</i> , 2020 , 56, e2020WR027692	5.4	6
16	A new dataset of river flood hazard maps for Europe and the Mediterranean Basin region		6
15	The number of people exposed to water stress in relation to how much water is reserved for the environment: a global modelling study. <i>Lancet Planetary Health</i> , 2021 , 5, e766-e774	9.8	5
14	Climatology and Interannual Variability of Floods during the TRMM Era (1998-2013). <i>Journal of Climate</i> , 2020 , 33, 3289-3305	4.4	5
13	Biases in national and continental flood risk assessments by ignoring spatial dependence. <i>Scientific Reports</i> , 2020 , 10, 19387	4.9	4
12	Independence of Future Changes of River Runoff in Europe from the Pathway to Global Warming. <i>Climate</i> , 2020 , 8, 22	3.1	4
11	Global Modeling of Seasonal Mortality Rates From River Floods. <i>Earth's Future</i> , 2020 , 8, e2020EF001541	7.9	4
10	National water shortage for low to high environmental flow protection.. <i>Scientific Reports</i> , 2022 , 12, 3037	4.9	3
9	Hydrological Ensemble Prediction Systems Around the Globe 2019 , 1187-1221		2
8	Flash Flood Forecasting Based on Rainfall Thresholds 2019 , 1223-1260		2
7	Modelling the socio-economic impact of river floods in Europe 2016 ,		1
6	Global Flood Models. <i>Geophysical Monograph Series</i> , 2021 , 181-200	1.1	1
5	Assessing future vulnerability and risk of humanitarian crises using climate change and population projections within the INFORM framework. <i>Global Environmental Change</i> , 2021 , 71, 102393	10.1	0
4	Global River Flood Risk Under Climate Change. <i>Geophysical Monograph Series</i> , 2021 , 251-270	1.1	0

3	Global Flood Partnership. <i>Geophysical Monograph Series</i> , 2021 , 307-322	1.1	○
2	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	○
1	Will river floods impact European road networks? A robustness assessment. <i>Transportation Research, Part D: Transport and Environment</i> , 2022 , 108, 103332	6.4	○