

Luc Feyen

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.

33
papers

2,579
citations

25
h-index

36
g-index

36
ext. papers

3,446
ext. citations

9.4
avg, IF

5.62
L-index

#	Paper	IF	Citations
33	Global probabilistic projections of extreme sea levels show intensification of coastal flood hazard. <i>Nature Communications</i> , 2018 , 9, 2360	17.4	228
32	Increased human and economic losses from river flooding with anthropogenic warming. <i>Nature Climate Change</i> , 2018 , 8, 781-786	21.4	202
31	Global long-term observations of coastal erosion and accretion. <i>Scientific Reports</i> , 2018 , 8, 12876	4.9	185
30	Sandy coastlines under threat of erosion. <i>Nature Climate Change</i> , 2020 , 10, 260-263	21.4	163
29	Extreme sea levels on the rise along Europe's coasts. <i>Earth's Future</i> , 2017 , 5, 304-323	7.9	154
28	Impact of global warming on streamflow drought in Europe. <i>Journal of Geophysical Research</i> , 2009 , 114,		147
27	Projections of extreme storm surge levels along Europe. <i>Climate Dynamics</i> , 2016 , 47, 3171-3190	4.2	139
26	Conceptual model uncertainty in groundwater modeling: Combining generalized likelihood uncertainty estimation and Bayesian model averaging. <i>Water Resources Research</i> , 2008 , 44,	5.4	139
25	Multi-hazard assessment in Europe under climate change. <i>Climatic Change</i> , 2016 , 137, 105-119	4.5	136
24	Projections of future floods and hydrological droughts in Europe under a +2°C global warming. <i>Climatic Change</i> , 2016 , 135, 341-355	4.5	133
23	Climatic and socioeconomic controls of future coastal flood risk in Europe. <i>Nature Climate Change</i> , 2018 , 8, 776-780	21.4	113
22	Escalating impacts of climate extremes on critical infrastructures in Europe. <i>Global Environmental Change</i> , 2018 , 48, 97-107	10.1	107
21	Global changes of extreme coastal wave energy fluxes triggered by intensified teleconnection patterns. <i>Geophysical Research Letters</i> , 2017 , 44, 2416-2426	4.9	96
20	Developments in large-scale coastal flood hazard mapping. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 1841-1853	3.9	93
19	Multi-Model Projections of River Flood Risk in Europe under Global Warming. <i>Climate</i> , 2018 , 6, 6	3.1	64
18	Framework to evaluate the worth of hydraulic conductivity data for optimal groundwater resources management in ecologically sensitive areas. <i>Water Resources Research</i> , 2005 , 41,	5.4	57
17	Disentangling uncertainties in distributed hydrological modeling using multiplicative error models and sequential data assimilation. <i>Water Resources Research</i> , 2010 , 46,	5.4	56

16	Economic motivation for raising coastal flood defenses in Europe. <i>Nature Communications</i> , 2020 , 11, 2119	17.4	52
15	Empirical evidence of declining global vulnerability to climate-related hazards. <i>Global Environmental Change</i> , 2019 , 57, 101920	10.1	45
14	Emergent vulnerability to climate-driven disturbances in European forests. <i>Nature Communications</i> , 2021 , 12, 1081	17.4	35
13	Climate change impacts on critical international transportation assets of Caribbean Small Island Developing States (SIDS): the case of Jamaica and Saint Lucia. <i>Regional Environmental Change</i> , 2018 , 18, 2211-2225	4.3	32
12	A spatially explicit database of wind disturbances in European forests over the period 2000-2018. <i>Earth System Science Data</i> , 2020 , 12, 257-276	10.5	30
11	Sensitivity analysis of prior model probabilities and the value of prior knowledge in the assessment of conceptual model uncertainty in groundwater modelling. <i>Hydrological Processes</i> , 2009 , 23, 1131-1146	3.3	27
10	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
9	Understanding epistemic uncertainty in large-scale coastal flood risk assessment for present and future climates. <i>Natural Hazards and Earth System Sciences</i> , 2018 , 18, 2127-2142	3.9	26
8	Spatial and temporal variations in ecosystem response to monsoon precipitation variability in southwestern North America. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 1999-2017	3.7	20
7	More meteorological events that drive compound coastal flooding are projected under climate change. <i>Communications Earth & Environment</i> , 2020 , 1, 47	6.1	18
6	Pan-European hydrodynamic models and their ability to identify compound floods. <i>Natural Hazards</i> , 2020 , 101, 933-957	3	17
5	Increased economic drought impacts in Europe with anthropogenic warming. <i>Nature Climate Change</i> , 2021 , 11, 485-491	21.4	17
4	HARCI-EU, a harmonized gridded dataset of critical infrastructures in Europe for large-scale risk assessments. <i>Scientific Data</i> , 2019 , 6, 126	8.2	6
3	Reply to: Sandy beaches can survive sea-level rise. <i>Nature Climate Change</i> , 2020 , 10, 996-997	21.4	6
2	African heritage sites threatened as sea-level rise accelerates. <i>Nature Climate Change</i> ,	21.4	4
1	Independence of Future Changes of River Runoff in Europe from the Pathway to Global Warming. <i>Climate</i> , 2020 , 8, 22	3.1	4