

Laurens M Bouwer

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.

79 papers	5,809 citations	33 h-index	76 g-index
100 ext. papers	6,794 ext. citations	5.9 avg, IF	5.94 L-index

#	Paper	IF	Citations
79	EURO-CORDEX: new high-resolution climate change projections for European impact research. <i>Regional Environmental Change</i> , 2014 , 14, 563-578	4.3	1286
78	Flood risk and climate change: global and regional perspectives. <i>Hydrological Sciences Journal</i> , 2014 , 59, 1-28	3.5	698
77	Have Disaster Losses Increased Due to Anthropogenic Climate Change?. <i>Bulletin of the American Meteorological Society</i> , 2011 , 92, 39-46	6.1	339
76	Increasing stress on disaster-risk finance due to large floods. <i>Nature Climate Change</i> , 2014 , 4, 264-268	21.4	320
75	Review article: Assessing the costs of natural hazards & state of the art and knowledge gaps. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 1351-1373	3.9	285
74	Floods and climate: emerging perspectives for flood risk assessment and management. <i>Natural Hazards and Earth System Sciences</i> , 2014 , 14, 1921-1942	3.9	184
73	Changes in future flood risk due to climate and development in a Dutch polder area. <i>Global Environmental Change</i> , 2010 , 20, 463-471	10.1	138
72	FLOPROS: an evolving global database of flood protection standards. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 1049-1061	3.9	125
71	Disaster management. Confronting disaster losses. <i>Science</i> , 2007 , 318, 753	33.3	117
70	Understanding trends and projections of disaster losses and climate change: is vulnerability the missing link?. <i>Climatic Change</i> , 2015 , 133, 23-35	4.5	116
69	Adaptation to flood risk: Results of international paired flood event studies. <i>Earth's Future</i> , 2017 , 5, 953-965	9.65	111
68	Projections of future extreme weather losses under changes in climate and exposure. <i>Risk Analysis</i> , 2013 , 33, 915-30	3.9	108
67	Sensitivity of river discharge to ENSO. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	102
66	Ocean circulation and iceberg discharge in the glacial North Atlantic: Inferences from unmixing of sediment size distributions. <i>Geology</i> , 2002 , 30, 555	5	100
65	Changes in Impacts of Climate Extremes: Human Systems and Ecosystems		231-290 93
64	A multi-hazard regional level impact assessment for Europe combining indicators of climatic and non-climatic change. <i>Global Environmental Change</i> , 2013 , 23, 522-536	10.1	90
63	Climate change and increased risk for the insurance sector: a global perspective and an assessment for the Netherlands. <i>Natural Hazards</i> , 2010 , 52, 577-598	3	80

62	Uncertainty in flood damage estimates and its potential effect on investment decisions. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 1-14	3.9	68
61	How reliable are projections of future flood damage?. <i>Natural Hazards and Earth System Sciences</i> , 2011 , 11, 3293-3306	3.9	65
60	Financing climate change adaptation. <i>Disasters</i> , 2006 , 30, 49-63	2.8	64
59	Climate change and hailstorm damage: Empirical evidence and implications for agriculture and insurance. <i>Resources and Energy Economics</i> , 2010 , 32, 341-362	3.2	56
58	Sensitivity of global river discharges under Holocene and future climate conditions. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	54
57	Future risk of flooding: an analysis of changes in potential loss of life in South Holland (The Netherlands). <i>Environmental Science and Policy</i> , 2009 , 12, 157-169	6.2	47
56	The downstream externalities of harvesting rainwater in semi-arid watersheds: An Indian case study. <i>Agricultural Water Management</i> , 2011 , 98, 1162-1170	5.9	46
55	Multi-variable flood damage modelling with limited data using supervised learning approaches. <i>Natural Hazards and Earth System Sciences</i> , 2017 , 17, 1683-1696	3.9	40
54	How to improve attribution of changes in drought and flood impacts. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1-18	3.5	39
53	Regional sensitivities of mean and peak river discharge to climate variability in Europe. <i>Journal of Geophysical Research</i> , 2008 , 113,		39
52	Inundation scenarios for flood damage evaluation in polder areas. <i>Natural Hazards and Earth System Sciences</i> , 2009 , 9, 1995-2007	3.9	38
51	Late Quaternary activity of the Feldbiss Fault Zone, Roer Valley Rift System, the Netherlands, based on displaced fluvial terrace fragments. <i>Tectonophysics</i> , 2002 , 352, 295-315	3.1	36
50	Validation of flood risk models: Current practice and possible improvements. <i>International Journal of Disaster Risk Reduction</i> , 2019 , 33, 441-448	4.5	36
49	Regional and Temporal Transferability of Multivariable Flood Damage Models. <i>Water Resources Research</i> , 2018 , 54, 3688-3703	5.4	33
48	Improving predictions and management of hydrological extremes through climate services. <i>Climate Services</i> , 2016 , 1, 6-11	3.8	33
47	Detecting the long-term impacts from climate variability and increasing water consumption on runoff in the Krishna river basin (India). <i>Hydrology and Earth System Sciences</i> , 2006 , 10, 703-713	5.5	32
46	Loss and Damage and limits to adaptation: recent IPCC insights and implications for climate science and policy. <i>Sustainability Science</i> , 2020 , 15, 1245-1251	6.4	31
45	Winter atmospheric circulation and river discharge in northwest Europe. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	31

44	Uncertainty and sensitivity of flood risk calculations for a dike ring in the south of the Netherlands. <i>Science of the Total Environment</i> , 2014 , 473-474, 224-34	10.2	30
43	HOW SENSITIVE ARE US HURRICANE DAMAGES TO CLIMATE? COMMENT ON A PAPER BY W. D. NORDHAUS. <i>Climate Change Economics</i> , 2011 , 02, 1-7	0.9	30
42	Observed and Projected Impacts from Extreme Weather Events: Implications for Loss and Damage. <i>Climate Risk Management, Policy and Governance</i> , 2019 , 63-82	2.7	30
41	Effect of spatial adaptation measures on flood risk: study of coastal floods in Belgium. <i>Regional Environmental Change</i> , 2014 , 14, 413-425	4.3	27
40	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
39	Global mortality from storm surges is decreasing. <i>Environmental Research Letters</i> , 2018 , 13, 014008	6.2	25
38	Neo-Atlantis: The Netherlands under a 5-m sea level rise. <i>Climatic Change</i> , 2008 , 91, 103-122	4.5	25
37	Investments under non-stationarity: economic evaluation of adaptation pathways. <i>Climatic Change</i> , 2020 , 161, 451-463	4.5	25
36	Estimates of spatial variation in evaporation using satellite-derived surface temperature and a water balance model. <i>Hydrological Processes</i> , 2008 , 22, 670-682	3.3	23
35	The Costing of Measures for Natural Hazard Mitigation in Europe. <i>Natural Hazards Review</i> , 2014 , 15, 04014010	1.5	22
34	Evaluating adaptation measures for reducing flood risk: A case study in the city of Colombo, Sri Lanka. <i>International Journal of Disaster Risk Reduction</i> , 2019 , 37, 101162	4.5	18
33	Assessing the influence of climate model uncertainty on EU-wide climate change impact indicators. <i>Climatic Change</i> , 2013 , 120, 211-227	4.5	14
32	The Role of Financial Services in Climate Adaptation in Developing Countries. <i>Quarterly Journal of Economic Research</i> , 2005 , 74, 196-207	0.4	12
31	Science for Loss and Damage. Findings and Propositions. <i>Climate Risk Management, Policy and Governance</i> , 2019 , 3-37	2.7	12
30	Integrated Disaster Risk Management and Adaptation. <i>Climate Risk Management, Policy and Governance</i> , 2019 , 287-315	2.7	11
29	Development of damage functions for flood risk assessment in the city of Colombo (Sri Lanka). <i>Procedia Engineering</i> , 2018 , 212, 332-339		10
28	A Temperature-Scaling Approach for Projecting Changes in Short Duration Rainfall Extremes from GCM Data. <i>Water (Switzerland)</i> , 2019 , 11, 313	3	10
27	Financial services and disaster risk finance: Examples from the community level. <i>Environmental Hazards</i> , 2007 , 7, 32-39	4.2	10

26	Insurance as a Response to Loss and Damage?. <i>Climate Risk Management, Policy and Governance</i> , 2019 , 483-512	2.7	10
25	Leveraging public adaptation finance through urban land reclamation: cases from Germany, the Netherlands and the Maldives. <i>Climatic Change</i> , 2020 , 160, 671-689	4.5	9
24	On the Flood Risk in the Netherlands 2007 , 469-484		9
23	Mainstreaming climate change in regional development policy in Europe: five insights from the 2007-2013 programming period. <i>Regional Environmental Change</i> , 2015 , 15, 973-985	4.3	6
22	Less ice on the Baltic reduces the extent of hypoxic bottom waters and sedimentary phosphorus release. <i>Estuarine, Coastal and Shelf Science</i> , 2009 , 82, 689-691	2.9	5
21	Review Article: Validation of flood risk models: current practice and innovations		5
20	Improved Transferability of Data-Driven Damage Models Through Sample Selection Bias Correction. <i>Risk Analysis</i> , 2021 , 41, 37-55	3.9	5
19	Changing climate and increasing costs – Implications for liability and insurance. <i>Advances in Global Change Research</i> , 2002 , 429-444	1.2	5
18	Imagining the unimaginable: synthesis of essays on abrupt and extreme climate change. <i>Current Opinion in Environmental Sustainability</i> , 2010 , 2, 347-355	7.2	3
17	Experts address the question: How can we maximize the impact of adaptation measures to support sustainable development?. <i>Natural Resources Forum</i> , 2006 , 30, 328-330	2.2	3
16	Weather extremes over Europe under 1.5 and 2.0 °C global warming from HAPPI regional climate ensemble simulations. <i>Earth System Dynamics</i> , 2021 , 12, 457-468	4.8	3
15	Weather Indicators for Insured Hailstorm Damage to Motor Vehicles and Potential Climate Change Impacts. <i>Geneva Papers on Risk and Insurance: Issues and Practice</i> , 2016 , 41, 512-527	1.2	2
14	Reply to 'Statistics of flood risk'. <i>Nature Climate Change</i> , 2014 , 4, 844-845	21.4	2
13	The potential of nature-based flood defences to leverage public investment in coastal adaptation: Cases from the Netherlands, Indonesia and Georgia. <i>Ecological Economics</i> , 2021 , 179, 106828	5.6	2
12	Future Changes in Wave Conditions at the German Baltic Sea Coast Based on a Hybrid Approach Using an Ensemble of Regional Climate Change Projections. <i>Water (Switzerland)</i> , 2021 , 13, 167	3	2
11	Data-mining for multi-variable flood damage modelling with limited data 2017 ,		1
10	Upscaling the Impacts of Climate Change in Different Sectors and Adaptation Strategies 2018 , 173-243		1
9	Assessing the Costs of Natural Hazards – State of the Art and the Way Forward 2014 , 253-290		1

8	Preface: Current advances in analysis, modelling and mitigation of the costs of natural hazards. <i>Natural Hazards and Earth System Sciences</i> , 2015 , 15, 1157-1162	3.9	1
7	Understanding trends and projections of disaster losses and climate change: is vulnerability the missing link? 2015 , 133, 23		1
6	Comment on Garg et al., . Up-scaling potential impacts on water flows from agricultural water interventions: opportunities and trade-offs in the Osman Sagar catchment, Musi sub-basin, India. <i>Hydrological Processes</i> 27: 3905-3921. <i>Hydrological Processes</i> , 2014 , 28, 3350-3351	3.3	
5	Group report: Reflections on the application of integrated assessment 2005 , 379-387		
4	ELOISE research and the implementation of EU policy in the coastal zone 2005 , 1-19		
3	The Roles of Climate Risk Dynamics and Adaptation Limits in Adaptation Assessment. <i>Springer Climate</i> , 2022 , 209-216	0.3	
2	Approaches to analyse and model changes in impacts: reply to discussions of How to improve attribution of changes in drought and flood impacts. <i>Hydrological Sciences Journal</i> , 2020 , 65, 491-494	3.5	
1	Data Analysis and Exploration with Computational Approaches. <i>SpringerBriefs in Earth System Sciences</i> , 2022 , 29-53		1