

Wouter Botzen

List of Publications by Year in Descending Order

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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.

136
papers

6,541
citations

41
h-index

79
g-index

143
ext. papers

8,049
ext. citations

5.6
avg, IF

6.62
L-index

#	Paper	IF	Citations
136	Perceptions of Catastrophic Climate Risks. <i>SpringerBriefs in Climate Studies</i> , 2022 , 11-22	0.2	0
135	Drivers and dimensions of flood risk perceptions: Revealing an implicit selection bias and lessons for communication policies. <i>Global Environmental Change</i> , 2022 , 73, 102465	10.1	3
134	Charity hazard and the flood insurance protection gap: An EU scale assessment under climate change. <i>Ecological Economics</i> , 2022 , 193, 107289	5.6	2
133	Anticipating sea-level rise and human migration: A review of empirical evidence and avenues for future research. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2022 , 13, e747	8.4	0
132	Setting descriptive norm nudges to promote demand for insurance against increasing climate change risk. <i>Geneva Papers on Risk and Insurance: Issues and Practice</i> , 2022 , 47, 27	1.2	0
131	Behavioral insights into the causes of underinsurance against flood risks: Experimental evidence from the Netherlands 2022 , 119-136		
130	Individual hurricane evacuation intentions during the COVID-19 pandemic: insights for risk communication and emergency management policies. <i>Natural Hazards</i> , 2021 , 1-16	3	
129	Individual hurricane evacuation intentions during the COVID-19 pandemic: insights for risk communication and emergency management policies. <i>Natural Hazards</i> , 2021 , 1-16	3	3
128	Temperature Effects on Electricity and Gas Consumption: Empirical Evidence from Mexico and Projections under Future Climate Conditions. <i>Sustainability</i> , 2021 , 13, 305	3.6	3
127	Default options and insurance demand. <i>Journal of Economic Behavior and Organization</i> , 2021 , 183, 39-56	1.6	4
126	Firm Level Evidence of Disaster Impacts on Growth in Vietnam. <i>Environmental and Resource Economics</i> , 2021 , 79, 277-322	4.4	1
125	Economic impacts and risks of climate change under failure and success of the Paris Agreement. <i>Annals of the New York Academy of Sciences</i> , 2021 , 1504, 95-115	6.5	4
124	Sex differences in temperature-related all-cause mortality in the Netherlands. <i>International Archives of Occupational and Environmental Health</i> , 2021 , 1	3.2	1
123	Time of emergence of economic impacts of climate change. <i>Environmental Research Letters</i> , 2021 , 16, 074039	6.2	2
122	Lessons for climate policy from behavioral biases towards COVID-19 and climate change risks. <i>World Development</i> , 2021 , 137, 105214	5.5	37
121	Methodological issues in natural disaster loss normalisation studies. <i>Environmental Hazards</i> , 2021 , 20, 112-115	4.2	0
120	Risk communication nudges and flood insurance demand. <i>Climate Risk Management</i> , 2021 , 100366	4.6	0

119	Integrating Behavioral Theories in Agent-Based Models for Agricultural Drought Risk Assessments. <i>Frontiers in Water</i> , 2021 , 3,	2.6	2
118	An experimental study of charity hazard: The effect of risky and ambiguous government compensation on flood insurance demand. <i>Journal of Risk and Uncertainty</i> , 2021 , 63, 275-318	3.1	3
117	Insights into Flood Risk Misperceptions of Homeowners in the Dutch River Delta. <i>Risk Analysis</i> , 2020 , 40, 1450-1468	3.9	9
116	Climate change induced socio-economic tipping points: review and stakeholder consultation for policy relevant research. <i>Environmental Research Letters</i> , 2020 , 15, 023001	6.2	20
115	Impacts of Climate Change and Remote Natural Catastrophes on EU Flood Insurance Markets: An Analysis of Soft and Hard Reinsurance Markets for Flood Coverage. <i>Atmosphere</i> , 2020 , 11, 146	2.7	9
114	Meeting goals of sustainability policy: CO2 emission reduction, cost-effectiveness and societal acceptance. An analysis of the proposal to phase-out coal in the Netherlands. <i>Energy Policy</i> , 2020 , 138, 111210	7.2	14
113	The Assessment of Impacts and Risks of Climate Change on Agriculture (AIRCCA) model: a tool for the rapid global risk assessment for crop yields at a spatially explicit scale. <i>Spatial Economic Analysis</i> , 2020 , 15, 262-279	1.6	2
112	Social vulnerability in cost-benefit analysis for flood risk management. <i>Environment and Development Economics</i> , 2020 , 25, 115-134	1.8	6
111	Economic valuation of green and blue nature in cities: A meta-analysis. <i>Ecological Economics</i> , 2020 , 169, 106480	5.6	21
110	Risk reduction in compulsory disaster insurance: Experimental evidence on moral hazard and financial incentives. <i>Journal of Behavioral and Experimental Economics</i> , 2020 , 84, 101500	1.5	9
109	The safe development paradox: An agent-based model for flood risk under climate change in the European Union. <i>Global Environmental Change</i> , 2020 , 60, 102009	10.1	30
108	A dual-track transition to global carbon pricing: the glass is half full. <i>Climate Policy</i> , 2020 , 20, 1349-1354	5.3	1
107	Property price effects of green interventions in cities: A meta-analysis and implications for gentrification. <i>Environmental Science and Policy</i> , 2020 , 112, 293-304	6.2	15
106	CLIMRISK-RIVER: Accounting for local river flood risk in estimating the economic cost of climate change. <i>Environmental Modelling and Software</i> , 2020 , 132, 104784	5.2	5
105	A dual-track transition to global carbon pricing. <i>Climate Policy</i> , 2020 , 20, 1057-1069	5.3	11
104	Economic valuation of climate change-induced mortality: age dependent cold and heat mortality in the Netherlands. <i>Climatic Change</i> , 2020 , 162, 545-562	4.5	5
103	Regional Inequalities in Flood Insurance Affordability and Uptake under Climate Change. <i>Sustainability</i> , 2020 , 12, 8734	3.6	4
102	Low-carbon transition is improbable without carbon pricing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 23219-23220	11.5	18

101	Behavioral motivations for self-insurance under different disaster risk insurance schemes. <i>Journal of Economic Behavior and Organization</i> , 2020 , 180, 967-991	1.6	13
100	Flood insurance demand and probability weighting: The influences of regret, worry, locus of control and the threshold of concern heuristic. <i>Water Resources and Economics</i> , 2020 , 30, 100144	2	7
99	A micro-scale cost-benefit analysis of building-level flood risk adaptation measures in Los Angeles. <i>Water Resources and Economics</i> , 2020 , 32, 100147	2	14
98	Long Term Adaptation to Heat Stress: Shifts in the Minimum Mortality Temperature in the Netherlands. <i>Frontiers in Physiology</i> , 2020 , 11, 225	4.6	13
97	Advancing disaster policies by integrating dynamic adaptive behaviour in risk assessments using an agent-based modelling approach. <i>Environmental Research Letters</i> , 2019 , 14, 044022	6.2	37
96	An economic evaluation of adaptation pathways in coastal mega cities: An illustration for Los Angeles. <i>Science of the Total Environment</i> , 2019 , 678, 647-659	10.2	17
95	Adoption of Individual Flood Damage Mitigation Measures in New York City: An Extension of Protection Motivation Theory. <i>Risk Analysis</i> , 2019 , 39, 2143-2159	3.9	37
94	ECONOMIC EXPERIMENTS, HYPOTHETICAL SURVEYS AND MARKET DATA STUDIES OF INSURANCE DEMAND AGAINST LOW-PROBABILITY/HIGH-IMPACT RISKS: A SYSTEMATIC REVIEW OF DESIGNS, THEORETICAL INSIGHTS AND DETERMINANTS OF DEMAND. <i>Journal of Economic Surveys</i> , 2019 , 33, 1493-1530	3.8	6
93	The Economic Impacts of Natural Disasters: A Review of Models and Empirical Studies. <i>Review of Environmental Economics and Policy</i> , 2019 , 13, 167-188	6	88
92	Determinants of Probability Neglect and Risk Attitudes for Disaster Risk: An Online Experimental Study of Flood Insurance Demand among Homeowners. <i>Risk Analysis</i> , 2019 , 39, 2514-2527	3.9	16
91	Extending integrated assessment models? damage functions to include adaptation and dynamic sensitivity. <i>Environmental Modelling and Software</i> , 2019 , 121, 104504	5.2	5
90	Protecting against disaster risks: Why insurance and prevention may be complements. <i>Journal of Risk and Uncertainty</i> , 2019 , 59, 151-169	3.1	20
89	Integrated Disaster Risk Management and Adaptation. <i>Climate Risk Management, Policy and Governance</i> , 2019 , 287-315	2.7	11
88	Flood insurance arrangements in the European Union for future flood risk under climate and socioeconomic change. <i>Global Environmental Change</i> , 2019 , 58, 101966	10.1	26
87	CostBenefit analysis of flood-zoning policies: A review of current practice. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019 , 6, e1387	5.7	8
86	Future Public Sector Flood Risk and Risk Sharing Arrangements: An Assessment for Austria. <i>Ecological Economics</i> , 2019 , 156, 153-163	5.6	15
85	Impacts of Flooding and Flood Preparedness on Subjective Well-Being: A Monetisation of the Tangible and Intangible Impacts. <i>Journal of Happiness Studies</i> , 2019 , 20, 665-682	3.7	20
84	Integrating human behaviour dynamics into flood disaster risk assessment. <i>Nature Climate Change</i> , 2018 , 8, 193-199	21.4	186

83	Benefits and Limitations of Real Options Analysis for the Practice of River Flood Risk Management. <i>Water Resources Research</i> , 2018 , 54, 3018-3036	5.4	10
82	A global review of the impact of basis risk on the functioning of and demand for index insurance. <i>International Journal of Disaster Risk Reduction</i> , 2018 , 28, 845-853	4.5	34
81	Insights into Flood-Coping Appraisals of Protection Motivation Theory: Empirical Evidence from Germany and France. <i>Risk Analysis</i> , 2018 , 38, 1239-1257	3.9	65
80	Perceptions of Corporate Cyber Risks and Insurance Decision-Making. <i>Geneva Papers on Risk and Insurance: Issues and Practice</i> , 2018 , 43, 239-274	1.2	15
79	Global impact of a climate treaty if the Human Development Index replaces GDP as a welfare proxy. <i>Climate Policy</i> , 2018 , 18, 76-85	5.3	10
78	Coastal and river flood risk analyses for guiding economically optimal flood adaptation policies: a country-scale study for Mexico. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 376,	3	15
77	Geographical scoping and willingness-to-pay for nature protection. <i>Journal of Integrative Environmental Sciences</i> , 2018 , 15, 41-58	3	5
76	CLIMATE POLICY WITHOUT INTERTEMPORAL DICTATORSHIP: CHICHILNISKY CRITERION VERSUS CLASSICAL UTILITARIANISM IN DICE. <i>Climate Change Economics</i> , 2018 , 09, 1850002	0.9	1
75	Hess Opinions: An interdisciplinary research agenda to explore the unintended consequences of structural flood protection. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 5629-5637	5.5	50
74	Parallel Tracks Towards a Global Treaty on Carbon Pricing. <i>SSRN Electronic Journal</i> , 2018 ,	1	10
73	Pathways to resilience: adapting to sea level rise in Los Angeles. <i>Annals of the New York Academy of Sciences</i> , 2018 , 1427, 1-90	6.5	21
72	Explaining differences in flood management approaches in Europe and in the USA - a comparative analysis. <i>Journal of Flood Risk Management</i> , 2017 , 10, 436-445	3.1	78
71	Integrating Household Risk Mitigation Behavior in Flood Risk Analysis: An Agent-Based Model Approach. <i>Risk Analysis</i> , 2017 , 37, 1977-1992	3.9	67
70	A global economic assessment of city policies to reduce climate change impacts. <i>Nature Climate Change</i> , 2017 , 7, 403-406	21.4	133
69	Moral Hazard in Natural Disaster Insurance Markets: Empirical Evidence from Germany and the United States. <i>Land Economics</i> , 2017 , 93, 179-208	1.6	37
68	Accounting for risk aversion, income distribution and social welfare in cost-benefit analysis for flood risk management. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2017 , 8, e446	8.4	34
67	Economic Assessment of Mitigating Damage of Flood Events: Cost-Benefit Analysis of Flood-Proofing Commercial Buildings in Umbria, Italy. <i>Geneva Papers on Risk and Insurance: Issues and Practice</i> , 2017 , 42, 585-608	1.2	3
66	Global economic impacts of climate variability and change during the 20th century. <i>PLoS ONE</i> , 2017 , 12, e0172201	3.7	13

65	Adoption of flood preparedness actions: A household level study in rural communities in Tabasco, Mexico. <i>International Journal of Disaster Risk Reduction</i> , 2017 , 24, 428-438	4.5	22
64	A global framework for future costs and benefits of river-flood protection in urban areas. <i>Nature Climate Change</i> , 2017 , 7, 642-646	21.4	163
63	As Temporal as Spatial: It Is Geographical [Exploring Spatio-temporality in Modelling the Risk of Climate Change and Natural Hazards. <i>Norsk Geografisk Tidsskrift</i> , 2017 , 71, 60-61	0.9	
62	Economic evaluation of climate risk adaptation strategies: Cost-benefit analysis of flood protection in Tabasco, Mexico. <i>Atmosfera</i> , 2017 , 30, 101-120	2.5	19
61	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
60	Flood risk and climate change in the Rotterdam area, The Netherlands: enhancing citizen climate risk perceptions and prevention responses despite skepticism. <i>Regional Environmental Change</i> , 2016 , 16, 1613-1622	4.3	8
59	Incentivising flood risk adaptation through risk based insurance premiums: Trade-offs between affordability and risk reduction. <i>Ecological Economics</i> , 2016 , 125, 1-13	5.6	56
58	The effectiveness of flood risk communication strategies and the influence of social networks [Insights from an agent-based model. <i>Environmental Science and Policy</i> , 2016 , 60, 44-52	6.2	89
57	Political affiliation affects adaptation to climate risks: Evidence from New York City. <i>Climatic Change</i> , 2016 , 138, 353-360	4.5	24
56	Influence of climate change and socio-economic development on catastrophe insurance: a case study of flood risk scenarios in the Netherlands. <i>Regional Environmental Change</i> , 2015 , 15, 1717-1729	4.3	37
55	Heat stress causes substantial labour productivity loss in Australia. <i>Nature Climate Change</i> , 2015 , 5, 647-651	65.4	193
54	Monetary valuation of the social cost of CO 2 emissions: A critical survey. <i>Ecological Economics</i> , 2015 , 114, 33-46	5.6	82
53	Reflections on the current debate on how to link flood insurance and disaster risk reduction in the European Union. <i>Natural Hazards</i> , 2015 , 79, 1451-1479	3	64
52	Economic losses from US hurricanes consistent with an influence from climate change. <i>Nature Geoscience</i> , 2015 , 8, 880-884	18.3	69
51	Combining hazard, exposure and social vulnerability to provide lessons for flood risk management. <i>Environmental Science and Policy</i> , 2015 , 47, 42-52	6.2	251
50	Portfolios of adaptation investments in water management. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015 , 20, 1247-1265	3.9	5
49	Risk allocation in a public-private catastrophe insurance system: an actuarial analysis of deductibles, stop-loss, and premiums. <i>Journal of Flood Risk Management</i> , 2015 , 8, 116-134	3.1	19
48	More Than Fear Induction: Toward an Understanding of People's Motivation to Be Well-Prepared for Emergencies in Flood-Prone Areas. <i>Risk Analysis</i> , 2015 , 35, 518-35	3.9	25

47	Effectiveness of flood damage mitigation measures: Empirical evidence from French flood disasters. <i>Global Environmental Change</i> , 2015 , 31, 74-84	10.1	88
46	A lower bound to the social cost of CO2 emissions. <i>Nature Climate Change</i> , 2014 , 4, 253-258	21.4	105
45	Climate adaptation. Evaluating flood resilience strategies for coastal megacities. <i>Science</i> , 2014 , 344, 473-5	33.3	287
44	Reply to Statistics of flood risk. <i>Nature Climate Change</i> , 2014 , 4, 844-845	21.4	2
43	Increasing stress on disaster-risk finance due to large floods. <i>Nature Climate Change</i> , 2014 , 4, 264-268	21.4	320
42	Evaluating the effectiveness of flood damage mitigation measures by the application of propensity score matching. <i>Natural Hazards and Earth System Sciences</i> , 2014 , 14, 1731-1747	3.9	48
41	Communicating adaptation with emotions: the role of intense experiences in raising concern about extreme weather.. <i>Ecology and Society</i> , 2014 , 19,	4.1	15
40	You have been framed! How antecedents of information need mediate the effects of risk communication messages. <i>Risk Analysis</i> , 2014 , 34, 1506-20	3.9	24
39	Improving flood risk communication by focusing on prevention-focused motivation. <i>Risk Analysis</i> , 2014 , 34, 309-22	3.9	25
38	Factors of influence on flood damage mitigation behaviour by households. <i>Environmental Science and Policy</i> , 2014 , 40, 69-77	6.2	220
37	Specifications of Social Welfare in Economic Studies of Climate Policy: Overview of Criteria and Related Policy Insights. <i>Environmental and Resource Economics</i> , 2014 , 58, 1-33	4.4	32
36	Individual preferences for reducing flood risk to near zero through elevation. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2013 , 18, 229-244	3.9	86
35	Stimulating flood damage mitigation through insurance: an assessment of the French CatNat system. <i>Environmental Hazards</i> , 2013 , 12, 258-277	4.2	37
34	Detailed insights into the influence of flood-coping appraisals on mitigation behaviour. <i>Global Environmental Change</i> , 2013 , 23, 1327-1338	10.1	187
33	Framing of risk and preferences for annual and multi-year flood insurance. <i>Journal of Economic Psychology</i> , 2013 , 39, 357-375	2.5	34
32	Estimation of insurance premiums for coverage against natural disaster risk: an application of Bayesian Inference. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 737-754	3.9	19
31	Low-probability flood risk modeling for New York City. <i>Risk Analysis</i> , 2013 , 33, 772-88	3.9	84
30	Response to "The necessity for longitudinal studies in risk perception research". <i>Risk Analysis</i> , 2013 , 33, 760-2	3.9	15

29	Cost estimates for flood resilience and protection strategies in New York City. <i>Annals of the New York Academy of Sciences</i> , 2013 , 1294, 1-104	6.5	69
28	Influence of flood risk characteristics on flood insurance demand: a comparison between Germany and the Netherlands. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 1691-1705	3.9	44
27	Managing Extreme Climate Change Risks through Insurance 2013 ,		27
26	MONETARY VALUATION OF INSURANCE AGAINST FLOOD RISK UNDER CLIMATE CHANGE*. <i>International Economic Review</i> , 2012 , 53, 1005-1026	1.2	92
25	Do flood risk perceptions provide useful insights for flood risk management? Findings from central Vietnam. <i>Journal of Flood Risk Management</i> , 2012 , 5, 295-302	3.1	34
24	Risk attitudes to low-probability climate change risks: WTP for flood insurance. <i>Journal of Economic Behavior and Organization</i> , 2012 , 82, 151-166	1.6	164
23	How sensitive is Nordhaus to Weitzman? Climate policy in DICE with an alternative damage function. <i>Economics Letters</i> , 2012 , 117, 372-374	1.3	29
22	Brief communication "Hurricane Irene: a wake-up call for New York City?". <i>Natural Hazards and Earth System Sciences</i> , 2012 , 12, 1837-1840	3.9	4
21	Long-term development and effectiveness of private flood mitigation measures: an analysis for the German part of the river Rhine. <i>Natural Hazards and Earth System Sciences</i> , 2012 , 12, 3507-3518	3.9	100
20	A review of risk perceptions and other factors that influence flood mitigation behavior. <i>Risk Analysis</i> , 2012 , 32, 1481-95	3.9	567
19	Managing exposure to flooding in New York City. <i>Nature Climate Change</i> , 2012 , 2, 377-377	21.4	10
18	Climate Adaptation Cost for Flood Risk Management in the Netherlands 2012 ,		3
17	Climate change impacts on pricing long-term flood insurance: A comprehensive study for the Netherlands. <i>Global Environmental Change</i> , 2011 , 21, 1045-1060	10.1	85
16	Flood-resilient waterfront development in New York City: bridging flood insurance, building codes, and flood zoning. <i>Annals of the New York Academy of Sciences</i> , 2011 , 1227, 1-82	6.5	45
15	Alistair Munro: Bounded Rationality and Public Policy: A Perspective from Behavioural Economics. Ian J. Bateman (ed.): The Economics of Non-Market Goods and Resources. <i>Environmental and Resource Economics</i> , 2011 , 49, 305-308	4.4	
14	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
13	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
12	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

11	Did the ECB respond to the stock market before the crisis?. <i>Journal of Policy Modeling</i> , 2010 , 32, 303-322.	4	16
10	Managing natural disaster risks in a changing climate. <i>Environmental Hazards</i> , 2009 , 8, 209-225	4.2	47
9	Bounded Rationality, Climate Risks, and Insurance: Is There a Market for Natural Disasters?. <i>Land Economics</i> , 2009 , 85, 265-278	1.6	52
8	Willingness of homeowners to mitigate climate risk through insurance. <i>Ecological Economics</i> , 2009 , 68, 2265-2277	5.6	265
7	Dependence of flood risk perceptions on socioeconomic and objective risk factors. <i>Water Resources Research</i> , 2009 , 45,	5.4	266
6	Insurance against climate change and flooding in the Netherlands: present, future, and comparison with other countries. <i>Risk Analysis</i> , 2008 , 28, 413-26	3.9	148
5	Cumulative CO2 emissions: shifting international responsibilities for climate debt. <i>Climate Policy</i> , 2008 , 8, 569-576	5.3	73
4	Dealing with Uncertainty in Flood Management Through Diversification. <i>Ecology and Society</i> , 2008 , 13,	4.1	69
3	Climate Adaptation and Flood Risk in Coastal Cities		6
2	Evaluating the effectiveness of flood damage mitigation measures by the application of Propensity Score Matching		2
1	All by myself? Testing descriptive social norm-nudges to increase flood preparedness among homeowners. <i>Behavioural Public Policy</i> , 1-33	2.7	4