

Annegret H Thieken

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.

116
papers

6,784
citations

43
h-index

81
g-index

144
ext. papers

7,739
ext. citations

3.8
avg, IF

6.05
L-index

#	Paper	IF	Citations
116	Review article "Assessment of economic flood damage"; <i>Natural Hazards and Earth System Sciences</i> , 2010 , 10, 1697-1724	3.9	696
115	Flood risk analyses how detailed do we need to be?. <i>Natural Hazards</i> , 2009 , 49, 79-98	3	362
114	Flood risk assessment and associated uncertainty. <i>Natural Hazards and Earth System Sciences</i> , 2004 , 4, 295-308	3.9	323
113	Estimation uncertainty of direct monetary flood damage to buildings. <i>Natural Hazards and Earth System Sciences</i> , 2004 , 4, 153-163	3.9	296
112	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
111	Flood loss reduction of private households due to building precautionary measures lessons learned from the Elbe flood in August 2002. <i>Natural Hazards and Earth System Sciences</i> , 2005 , 5, 117-126	3.9	262
110	Flood damage and influencing factors: New insights from the August 2002 flood in Germany. <i>Water Resources Research</i> , 2005 , 41,	5.4	234
109	Coping with floods: preparedness, response and recovery of flood-affected residents in Germany in 2002. <i>Hydrological Sciences Journal</i> , 2007 , 52, 1016-1037	3.5	227
108	Flood-risk mapping: contributions towards an enhanced assessment of extreme events and associated risks. <i>Natural Hazards and Earth System Sciences</i> , 2006 , 6, 485-503	3.9	199
107	A Probabilistic Modelling System for Assessing Flood Risks. <i>Natural Hazards</i> , 2006 , 38, 79-100	3	180
106	Flood risk curves and uncertainty bounds. <i>Natural Hazards</i> , 2009 , 51, 437-458	3	167
105	Is flow velocity a significant parameter in flood damage modelling?. <i>Natural Hazards and Earth System Sciences</i> , 2009 , 9, 1679-1692	3.9	161
104	Separating natural and epistemic uncertainty in flood frequency analysis. <i>Journal of Hydrology</i> , 2005 , 309, 114-132	6	155
103	Insurability and mitigation of flood losses in private households in Germany. <i>Risk Analysis</i> , 2006 , 26, 383-395	3.5	154
102	Development of FLEMOcs a new model for the estimation of flood losses in the commercial sector. <i>Hydrological Sciences Journal</i> , 2010 , 55, 1302-1314	3.5	129
101	Comparative Risk Assessments for the City of Cologne storms, Floods, Earthquakes. <i>Natural Hazards</i> , 2006 , 38, 21-44	3	128
100	Quantification of uncertainties in flood risk assessments. <i>International Journal of River Basin Management</i> , 2008 , 6, 149-162	1.7	113

99	Adaptation to flood risk: Results of international paired flood event studies. <i>Earths Future</i> , 2017 , 5, 953-965	4.5	111
98	Recent changes in flood preparedness of private households and businesses in Germany. <i>Regional Environmental Change</i> , 2011 , 11, 59-71	4.3	110
97	Adaptability and transferability of flood loss functions in residential areas. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 3063-3081	3.9	92
96	Development and evaluation of FLEMOps – a new Flood Loss Estimation MOdel for the private sector. <i>WIT Transactions on Ecology and the Environment</i> , 2008 ,	1	91
95	Coping with floods in the city of Dresden, Germany. <i>Natural Hazards</i> , 2009 , 51, 423-436	3	84
94	Review of the flood risk management system in Germany after the major flood in 2013. <i>Ecology and Society</i> , 2016 , 21,	4.1	81
93	Influence of flood frequency on residential building losses. <i>Natural Hazards and Earth System Sciences</i> , 2010 , 10, 2145-2159	3.9	80
92	The flood of June 2013 in Germany: how much do we know about its impacts?. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 1519-1540	3.9	75
91	Assessment of damage caused by high groundwater inundation. <i>Water Resources Research</i> , 2008 , 44,	5.4	74
90	Significance of ‘high probability/low damage’ versus ‘low probability/high damage’ flood events. <i>Natural Hazards and Earth System Sciences</i> , 2009 , 9, 1033-1046	3.9	73
89	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
88	Flood precaution of companies and their ability to cope with the flood in August 2002 in Saxony, Germany. <i>Water Resources Research</i> , 2007 , 43,	5.4	65
87	Scaling input data by GIS for hydrological modelling. <i>Hydrological Processes</i> , 1999 , 13, 611-630	3.3	63
86	After the extreme flood in 2002: changes in preparedness, response and recovery of flood-affected residents in Germany between 2005 and 2011. <i>Natural Hazards and Earth System Sciences</i> , 2015 , 15, 505-526	3.9	60
85	Seasonality of floods in Germany. <i>Hydrological Sciences Journal</i> , 2009 , 54, 62-76	3.5	59
84	Estimation of the regional stock of residential buildings as a basis for a comparative risk assessment in Germany. <i>Natural Hazards and Earth System Sciences</i> , 2006 , 6, 541-552	3.9	59
83	Improvements on flood alleviation in Germany: lessons learned from the Elbe flood in August 2002. <i>Environmental Management</i> , 2006 , 38, 717-32	3.1	55
82	Influence of dike breaches on flood frequency estimation. <i>Computers and Geosciences</i> , 2009 , 35, 907-923	4.5	53

81	Spatio-temporal dynamics in the flood exposure due to land use changes in the Alpine Lech Valley in Tyrol (Austria). <i>Natural Hazards</i> , 2013 , 68, 1243-1270	3	52
80	A consistent set of trans-basin floods in Germany between 1952-2002. <i>Hydrology and Earth System Sciences</i> , 2010 , 14, 1277-1295	5.5	50
79	Regionalisation of asset values for risk analyses. <i>Natural Hazards and Earth System Sciences</i> , 2006 , 6, 1673-178	3.1	49
78	Impact of Climate Change on the Regional Hydrology [Scenario-Based Modelling Studies in the German Rhine Catchment. <i>Natural Hazards</i> , 2006 , 38, 45-61	3	49
77	Coping with Pluvial Floods by Private Households. <i>Water (Switzerland)</i> , 2016 , 8, 304	3	49
76	The behavioral turn in flood risk management, its assumptions and potential implications. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020 , 7, e1418	5.7	44
75	Aspects of seasonality and flood generating circulation patterns in a mountainous catchment in south-eastern Germany. <i>Hydrology and Earth System Sciences</i> , 2007 , 11, 1455-1468	5.5	44
74	Estimating changes in flood risks and benefits of non-structural adaptation strategies - a case study from Tyrol, Austria. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2016 , 21, 343-376	3.9	42
73	Application and validation of FLEMOcs [a flood-loss estimation model for the commercial sector. <i>Hydrological Sciences Journal</i> , 2010 , 55, 1315-1324	3.5	42
72	A delphi method expert survey to derive standards for flood damage data collection. <i>Risk Analysis</i> , 2010 , 30, 107-24	3.9	42
71	Extent, perception and mitigation of damage due to high groundwater levels in the city of Dresden, Germany. <i>Natural Hazards and Earth System Sciences</i> , 2009 , 9, 1247-1258	3.9	39
70	The role of disaggregation of asset values in flood loss estimation: a comparison of different modeling approaches at the Mulde River, Germany. <i>Environmental Management</i> , 2009 , 44, 524-41	3.1	38
69	Promoting flood risk reduction: The role of insurance in Germany and England. <i>Earths Future</i> , 2017 , 5, 979-1001	7.9	38
68	What helps people recover from floods? Insights from a survey among flood-affected residents in Germany. <i>Regional Environmental Change</i> , 2018 , 18, 287-296	4.3	33
67	Brief communication: Sendai framework for disaster risk reduction [success or warning sign for Paris?. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 2189-2193	3.9	32
66	Damage assessment in Braunsbach 2016: data collection and analysis for an improved understanding of damaging processes during flash floods. <i>Natural Hazards and Earth System Sciences</i> , 2017 , 17, 2163-2179	3.9	29
65	Estimating flood damage to railway infrastructure [the case study of the March River flood in 2006 at the Austrian Northern Railway. <i>Natural Hazards and Earth System Sciences</i> , 2015 , 15, 2485-2496	3.9	29
64	Assessing the probability of large-scale flood loss events: a case study for the river Rhine, Germany. <i>Journal of Flood Risk Management</i> , 2015 , 8, 247-262	3.1	28

63	Preface: Flood resilient communities – managing the consequences of flooding. <i>Natural Hazards and Earth System Sciences</i> , 2014 , 14, 33-39	3.9	26
62	Identifying Driving Factors in Flood-Damaging Processes Using Graphical Models. <i>Water Resources Research</i> , 2018 , 54, 8864-8889	5.4	23
61	The Costing of Measures for Natural Hazard Mitigation in Europe. <i>Natural Hazards Review</i> , 2014 , 15, 0401-0410	3.9	22
60	Estimation of industrial and commercial asset values for hazard risk assessment. <i>Natural Hazards</i> , 2010 , 52, 453-479	3	22
59	Large-scale application of the flood damage model Railway Infrastructure Loss (RAIL). <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 2357-2371	3.9	22
58	Are flood damage models converging to reality? Lessons learnt from a blind test. <i>Natural Hazards and Earth System Sciences</i> , 2020 , 20, 2997-3017	3.9	22
57	New insights into flood warning reception and emergency response by affected parties. <i>Natural Hazards and Earth System Sciences</i> , 2017 , 17, 2075-2092	3.9	21
56	A comparative survey of the impacts of extreme rainfall in two international case studies. <i>Natural Hazards and Earth System Sciences</i> , 2017 , 17, 1337-1355	3.9	21
55	The price of safety: costs for mitigating and coping with Alpine hazards. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 2619-2637	3.9	20
54	Deriving probabilistic regional envelope curves with two pooling methods. <i>Journal of Hydrology</i> , 2010 , 380, 14-26	6	19
53	To Act or Not To Act? Factors Influencing the General Public’s Decision about Whether to Take Protective Action against Severe Weather. <i>Weather, Climate, and Society</i> , 2017 , 9, 299-315	2.3	18
52	Extreme Events, Critical Infrastructures, Human Vulnerability and Strategic Planning: Emerging Research Issues. <i>Journal of Extreme Events</i> , 2016 , 03, 1650017	1	18
51	Historical development and future outlook of the flood damage potential of residential areas in the Alpine Lech Valley (Austria) between 1971 and 2030. <i>Regional Environmental Change</i> , 2013 , 13, 999-1012	4.3	17
50	CEDIM Risk Explorer – a map server solution in the project “Risk Map Germany”. <i>Natural Hazards and Earth System Sciences</i> , 2006 , 6, 711-720	3.9	17
49	Global warming to increase flood risk on European railways. <i>Climatic Change</i> , 2019 , 155, 19-36	4.5	16
48	The challenges of longitudinal surveys in the flood risk domain. <i>Journal of Risk Research</i> , 2020 , 23, 642-663	4.3	15
47	Data Collection for a Better Understanding of What Causes Flood Damage – Experiences with Telephone Surveys. <i>Geophysical Monograph Series</i> , 2017 , 95-106	1.1	14
46	Implementation and adaptation of a macro-scale method to assess and monitor direct economic losses caused by natural hazards. <i>International Journal of Disaster Risk Reduction</i> , 2018 , 28, 191-205	4.5	14

45	Risk reduction partnerships in railway transport infrastructure in an alpine environment. <i>International Journal of Disaster Risk Reduction</i> , 2019 , 33, 385-397	4.5	12
44	Frequency Analysis of Critical Meteorological Conditions in a Changing Climate – Assessing Future Implications for Railway Transportation in Austria. <i>Climate</i> , 2016 , 4, 25	3.1	11
43	Local controversies of flood risk reduction measures in Germany. An explorative overview and recent insights. <i>Journal of Flood Risk Management</i> , 2018 , 11, S382-S394	3.1	10
42	Using Panel Data to Understand the Dynamics of Human Behavior in Response to Flooding. <i>Risk Analysis</i> , 2020 , 40, 2340-2359	3.9	10
41	Multiple Flood Experiences and Social Resilience: Findings from Three Surveys on Households and Companies Exposed to the 2013 Flood in Germany. <i>Weather, Climate, and Society</i> , 2020 , 12, 63-88	2.3	10
40	The relevance of flood hazards and impacts in Turkey: What can be learned from different disaster loss databases?. <i>Natural Hazards</i> , 2018 , 91, 375-408	3	10
39	A Comparison of Factors Driving Flood Losses in Households Affected by Different Flood Types. <i>Water Resources Research</i> , 2020 , 56, e2019WR025943	5.4	9
38	Ranking local climate policy: assessing the mitigation and adaptation activities of 104 German cities. <i>Climatic Change</i> , 2021 , 167, 1	4.5	9
37	Effects of intersite dependence of nested catchment structures on probabilistic regional envelope curves. <i>Hydrology and Earth System Sciences</i> , 2009 , 13, 1699-1712	5.5	8
36	HOWAS21, the German Flood Damage Database. <i>Geophysical Monograph Series</i> , 2017 , 65-75	1.1	7
35	Documentation of Flood Damage on Railway Infrastructure. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 61-70		7
34	The reference installation approach for the estimation of industrial assets at risk. <i>European Journal of Industrial Engineering</i> , 2008 , 2, 73	1.1	6
33	A quality assessment framework for natural hazard event documentation: application to trans-basin flood reports in Germany. <i>Natural Hazards and Earth System Sciences</i> , 2014 , 14, 189-208	3.9	6
32	Analysis of the Most Severe Flood Events in Turkey (1960–2014): Which Triggering Mechanisms and Aggravating Pathways Can be Identified?. <i>Water (Switzerland)</i> , 2020 , 12, 1562	3	5
31	Aspects of seasonality and flood generating circulation patterns in a mountainous catchment in south-eastern Germany		5
30	Estimating direct economic impacts of severe flood events in Turkey (2015–2020). <i>International Journal of Disaster Risk Reduction</i> , 2021 , 58, 102222	4.5	5
29	Flood precaution and coping with floods of companies in Germany. <i>WIT Transactions on Ecology and the Environment</i> , 2008 ,	1	4
28	The object-specific flood damage database HOWAS21. <i>Natural Hazards and Earth System Sciences</i> , 2020 , 20, 2503-2519	3.9	4

27	Quantification of Socio-Economic Flood Risks 2011 , 229-247		4
26	Are cities prepared for climate change? An analysis of adaptation readiness in 104 German cities. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2021 , 26, 1	3.9	4
25	Reply to Comment on "Significance of "high probability/low damage" versus "low probability/high damage" flood events" by C. M. Rheinberger (2009). <i>Natural Hazards and Earth System Sciences</i> , 2010 , 10, 3-5	3.9	3
24	Compound inland flood events: different pathways, different impacts and different coping options. <i>Natural Hazards and Earth System Sciences</i> , 2022 , 22, 165-185	3.9	3
23	Brief Communication: Sendai Framework for Disaster Risk Reduction – Success or warning sign for Paris?		3
22	Contributions of Flood Insurance to Enhance Resilience – Bindings from Germany. <i>Urban Book Series</i> , 2018 , 129-144	0.3	3
21	Short contribution on adaptive behaviour of flood-prone companies: A pilot study of Dresden-Laubegast, Germany. <i>Journal of Flood Risk Management</i> , 2020 , 13, e12653	3.1	3
20	Residential flood loss estimated from Bayesian multilevel models. <i>Natural Hazards and Earth System Sciences</i> , 2021 , 21, 1599-1614	3.9	3
19	New insights into flood warning and emergency response from the perspective of affected parties 2016 ,		3
18	Urban pluvial flood adaptation: Results of a household survey across four German municipalities. <i>Journal of Flood Risk Management</i> , 2021 ,	3.1	3
17	Are flood damage models converging to reality? Lessons learnt from a blind test 2020 ,		2
16	Flash floods versus river floods – A comparison of psychological impacts and implications for precautionary behaviour. <i>Natural Hazards and Earth System Sciences</i> , 2020 , 20, 999-1023	3.9	2
15	Societal and economic impacts of flood hazards in Turkey – An overview. <i>E3S Web of Conferences</i> , 2016 , 7, 05012	0.5	2
14	The flood of June 2013 in Germany: how much do we know about its impacts?		2
13	The object-specific flood damage database HOWAS21		2
12	A quality assessment framework for natural hazard event documentations: application to trans-basin flood reports in Germany		2
11	After the extreme flood in 2002: changes in preparedness, response and recovery of flood-affected residents in Germany between 2005 and 2011		2
10	Self-stated recovery from flooding: Empirical results from a survey in Central Vietnam. <i>Journal of Flood Risk Management</i> , 2021 , 14, e12680	3.1	2

9	Assessing the Costs of Natural Hazards – State of the Art and the Way Forward 2014 , 253-290		1
8	Hochwasserrisikoanalysen an der Elbe – Methodenvergleich und Datenaufbereitung. <i>Osterreichische Wasser- Und Abfallwirtschaft</i> , 2007 , 59, 151-162	0.4	1
7	A comparison of flood-protective decision-making between German households and businesses. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2022 , 27,	3.9	1
6	Adaptability and transferability of flood loss functions in residential areas		1
5	How to deal with heat stress at an open-air event? Exploring visitors' vulnerability, risk perception, and adaptive behavior with a multi-method approach. <i>Weather, Climate, and Society</i> , 2021 ,	2.3	1
4	More than heavy rain turning into fast-flowing water – a landscape perspective on the 2021 Eifel floods. <i>Natural Hazards and Earth System Sciences</i> , 2022 , 22, 1845-1856	3.9	1
3	Assessment of flood loss model transferability considering changes in precaution of flood-affected residents in Germany. <i>E3S Web of Conferences</i> , 2016 , 7, 13002	0.5	0
2	The presence of moral hazard regarding flood insurance and German private businesses. <i>Natural Hazards</i> , 2022 , 1	3	0
1	Risikokarten für Deutschland: Ergebnisse aus dem Center for Disaster Management and Risk Reduction Technology (CEDIM). <i>Gaia</i> , 2007 , 16, 313-316	1.4	