# Annegret H Thieken

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 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 | Compound inland flood events: different pathways, different impacts and different coping options. *Natural Hazards and Earth System Sciences*, **2022**, 22, 165-185 | 3.9 | 3 |
| 115 | The presence of moral hazard regarding flood insurance and German private businesses. *Natural Hazards*, **2022**, 1 | 3 | 0 |
| 114 | A comparison of flood-protective decision-making between German households and businesses. *Mitigation and Adaptation Strategies for Global Change*, **2022**, 27, | 3.9 | 1 |
| 113 | More than heavy rain turning into fast-flowing water – a landscape perspective on the 2021 Eifel floods. *Natural Hazards and Earth System Sciences*, **2022**, 22, 1845-1856 | 3.9 | 1 |
| 112 | Residential flood loss estimated from Bayesian multilevel models. *Natural Hazards and Earth System Sciences*, **2021**, 21, 1599-1614 | 3.9 | 3 |
| 111 | Estimating direct economic impacts of severe flood events in Turkey (2015–2020). *International Journal of Disaster Risk Reduction*, **2021**, 58, 102222 | 4.5 | 5 |
| 110 | Ranking local climate policy: assessing the mitigation and adaptation activities of 104 German cities. *Climatic Change*, **2021**, 167, 1 | 4.5 | 9 |
| 109 | Self-stated recovery from flooding: Empirical results from a survey in Central Vietnam. *Journal of Flood Risk Management*, **2021**, 14, e12680 | 3.1 | 2 |
| 108 | Urban pluvial flood adaptation: Results of a household survey across four German municipalities. *Journal of Flood Risk Management*, **2021**, | 3.1 | 3 |
| 107 | How to deal with heat stress at an open-air event? Exploring visitors' vulnerability, risk perception, and adaptive behavior with a multi-method approach. *Weather, Climate, and Society*, **2021**, | 2.3 | 1 |
| 106 | Are cities prepared for climate change? An analysis of adaptation readiness in 104 German cities. *Mitigation and Adaptation Strategies for Global Change*, **2021**, 26, 1 | 3.9 | 4 |
| 105 | The behavioral turn in flood risk management, its assumptions and potential implications. *Wiley Interdisciplinary Reviews: Water*, **2020**, 7, e1418 | 5.7 | 44 |
| 104 | A Comparison of Factors Driving Flood Losses in Households Affected by Different Flood Types. *Water Resources Research*, **2020**, 56, e2019WR025943 | 5.4 | 9 |
| 103 | Are flood damage models converging to reality? Lessons learnt from a blind test **2020**, | | 2 |
| 102 | Analysis of the Most Severe Flood Events in Turkey (1960–2014): Which Triggering Mechanisms and Aggravating Pathways Can be Identified?. *Water (Switzerland)*, **2020**, 12, 1562 | 3 | 5 |
| 101 | Flash floods versus river floods – a comparison of psychological impacts and implications for precautionary behaviour. *Natural Hazards and Earth System Sciences*, **2020**, 20, 999-1023 | 3.9 | 2 |
| 100 | The object-specific flood damage database HOWAS 21. *Natural Hazards and Earth System Sciences*, **2020**, 20, 2503-2519 | 3.9 | 4 |

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| 99 | Are flood damage models converging to "reality"? Lessons learnt from a blind test. *Natural Hazards and Earth System Sciences*, **2020**, 20, 2997-3017 | 3.9 | 22 |
| 98 | Using Panel Data to Understand the Dynamics of Human Behavior in Response to Flooding. *Risk Analysis*, **2020**, 40, 2340-2359 | 3.9 | 10 |
| 97 | Short contribution on adaptive behaviour of flood-prone companies: A pilot study of Dresden-Laubegast, Germany. *Journal of Flood Risk Management*, **2020**, 13, e12653 | 3.1 | 3 |
| 96 | The challenges of longitudinal surveys in the flood risk domain. *Journal of Risk Research*, **2020**, 23, 642-663 | 4.2 | 15 |
| 95 | Multiple Flood Experiences and Social Resilience: Findings from Three Surveys on Households and Companies Exposed to the 2013 Flood in Germany. *Weather, Climate, and Society*, **2020**, 12, 63-88 | 2.3 | 10 |
| 94 | Global warming to increase flood risk on European railways. *Climatic Change*, **2019**, 155, 19-36 | 4.5 | 16 |
| 93 | Risk reduction partnerships in railway transport infrastructure in an alpine environment. *International Journal of Disaster Risk Reduction*, **2019**, 33, 385-397 | 4.5 | 12 |
| 92 | Insights into Flood-Coping Appraisals of Protection Motivation Theory: Empirical Evidence from Germany and France. *Risk Analysis*, **2018**, 38, 1239-1257 | 3.9 | 65 |
| 91 | Implementation and adaptation of a macro-scale method to assess and monitor direct economic losses caused by natural hazards. *International Journal of Disaster Risk Reduction*, **2018**, 28, 191-205 | 4.5 | 14 |
| 90 | Local controversies of flood risk reduction measures in Germany. An explorative overview and recent insights. *Journal of Flood Risk Management*, **2018**, 11, S382-S394 | 3.1 | 10 |
| 89 | Contributions of Flood Insurance to Enhance Resilience—Findings from Germany. *Urban Book Series*, **2018**, 129-144 | 0.3 | 3 |
| 88 | The relevance of flood hazards and impacts in Turkey: What can be learned from different disaster loss databases?. *Natural Hazards*, **2018**, 91, 375-408 | 3 | 10 |
| 87 | What helps people recover from floods? Insights from a survey among flood-affected residents in Germany. *Regional Environmental Change*, **2018**, 18, 287-296 | 4.3 | 33 |
| 86 | Identifying Driving Factors in Flood-Damaging Processes Using Graphical Models. *Water Resources Research*, **2018**, 54, 8864-8889 | 5.4 | 23 |
| 85 | To Act or Not To Act? Factors Influencing the General Public's Decision about Whether to Take Protective Action against Severe Weather. *Weather, Climate, and Society*, **2017**, 9, 299-315 | 2.3 | 18 |
| 84 | Data Collection for a Better Understanding of What Causes Flood Damage—Experiences with Telephone Surveys. *Geophysical Monograph Series*, **2017**, 95-106 | 1.1 | 14 |
| 83 | New insights into flood warning reception and emergency response by affected parties. *Natural Hazards and Earth System Sciences*, **2017**, 17, 2075-2092 | 3.9 | 21 |
| 82 | HOWAS21, the German Flood Damage Database. *Geophysical Monograph Series*, **2017**, 65-75 | 1.1 | 7 |

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| 81 | Adaptation to flood risk: Results of international paired flood event studies. *Earth's Future*, **2017**, 5, 953-965 | 7.9 | 111 |
| 80 | A comparative survey of the impacts of extreme rainfall in two international case studies. *Natural Hazards and Earth System Sciences*, **2017**, 17, 1337-1355 | 3.9 | 21 |
| 79 | Damage assessment in Braunsbach 2016: data collection and analysis for an improved understanding of damaging processes during flash floods. *Natural Hazards and Earth System Sciences*, **2017**, 17, 2163-2179 | 3.9 | 29 |
| 78 | Promoting flood risk reduction: The role of insurance in Germany and England. *Earth's Future*, **2017**, 5, 979-1001 | 7.9 | 38 |
| 77 | Estimating changes in flood risks and benefits of non-structural adaptation strategies - a case study from Tyrol, Austria. *Mitigation and Adaptation Strategies for Global Change*, **2016**, 21, 343-376 | 3.9 | 42 |
| 76 | Assessment of flood loss model transferability considering changes in precaution of flood-affected residents in Germany. *E3S Web of Conferences*, **2016**, 7, 13002 | 0.5 | 0 |
| 75 | Societal and economic impacts of flood hazards in Turkey – an overview. *E3S Web of Conferences*, **2016**, 7, 05012 | 0.5 | 2 |
| 74 | Large-scale application of the flood damage model RAilway Infrastructure Loss (RAIL). *Natural Hazards and Earth System Sciences*, **2016**, 16, 2357-2371 | 3.9 | 22 |
| 73 | Brief communication: Sendai framework for disaster risk reduction – success or warning sign for Paris?. *Natural Hazards and Earth System Sciences*, **2016**, 16, 2189-2193 | 3.9 | 32 |
| 72 | New insights into flood warning and emergency response from the perspective of affected parties **2016**, | | 3 |
| 71 | Coping with Pluvial Floods by Private Households. *Water (Switzerland)*, **2016**, 8, 304 | 3 | 49 |
| 70 | Frequency Analysis of Critical Meteorological Conditions in a Changing Climate—Assessing Future Implications for Railway Transportation in Austria. *Climate*, **2016**, 4, 25 | 3.1 | 11 |
| 69 | Review of the flood risk management system in Germany after the major flood in 2013. *Ecology and Society*, **2016**, 21, | 4.1 | 81 |
| 68 | The flood of June 2013 in Germany: how much do we know about its impacts?. *Natural Hazards and Earth System Sciences*, **2016**, 16, 1519-1540 | 3.9 | 75 |
| 67 | Extreme Events, Critical Infrastructures, Human Vulnerability and Strategic Planning: Emerging Research Issues. *Journal of Extreme Events*, **2016**, 03, 1650017 | 1 | 18 |
| 66 | Assessing the probability of large-scale flood loss events: a case study for the river Rhine, Germany. *Journal of Flood Risk Management*, **2015**, 8, 247-262 | 3.1 | 28 |
| 65 | Estimating flood damage to railway infrastructure – the case study of the March River flood in 2006 at the Austrian Northern Railway. *Natural Hazards and Earth System Sciences*, **2015**, 15, 2485-2496 | 3.9 | 29 |
| 64 | After the extreme flood in 2002: changes in preparedness, response and recovery of flood-affected residents in Germany between 2005 and 2011. *Natural Hazards and Earth System Sciences*, **2015**, 15, 505-526 | 3.9 | 60 |

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| 63 | Assessing the Costs of Natural Hazards State of the Art and the Way Forward **2014**, 253-290 | | 1 |
| 62 | Preface: Flood resilient communities managing the consequences of flooding. *Natural Hazards and Earth System Sciences*, **2014**, 14, 33-39 | 3.9 | 26 |
| 61 | The Costing of Measures for Natural Hazard Mitigation in Europe. *Natural Hazards Review*, **2014**, 15, 04014010 | 3.5 | 22 |
| 60 | A quality assessment framework for natural hazard event documentation: application to trans-basin flood reports in Germany. *Natural Hazards and Earth System Sciences*, **2014**, 14, 189-208 | 3.9 | 6 |
| 59 | Spatio-temporal dynamics in the flood exposure due to land use changes in the Alpine Lech Valley in Tyrol (Austria). *Natural Hazards*, **2013**, 68, 1243-1270 | 3 | 52 |
| 58 | Historical development and future outlook of the flood damage potential of residential areas in the Alpine Lech Valley (Austria) between 1971 and 2030. *Regional Environmental Change*, **2013**, 13, 999-1012 | 4.3 | 17 |
| 57 | Adaptability and transferability of flood loss functions in residential areas. *Natural Hazards and Earth System Sciences*, **2013**, 13, 3063-3081 | 3.9 | 92 |
| 56 | Review article: Assessing the costs of natural hazards state of the art and knowledge gaps. *Natural Hazards and Earth System Sciences*, **2013**, 13, 1351-1373 | 3.9 | 285 |
| 55 | The price of safety: costs for mitigating and coping with Alpine hazards. *Natural Hazards and Earth System Sciences*, **2013**, 13, 2619-2637 | 3.9 | 20 |
| 54 | Recent changes in flood preparedness of private households and businesses in Germany. *Regional Environmental Change*, **2011**, 11, 59-71 | 4.3 | 110 |
| 53 | Quantification of Socio-Economic Flood Risks **2011**, 229-247 | | 4 |
| 52 | Reply to Comment on "Significance of "high probability/low damage" versus "low probability/high damage" flood events" by C. M. Rheinberger (2009). *Natural Hazards and Earth System Sciences*, **2010**, 10, 3-5 | 3.9 | 3 |
| 51 | Influence of flood frequency on residential building losses. *Natural Hazards and Earth System Sciences*, **2010**, 10, 2145-2159 | 3.9 | 80 |
| 50 | Documentation of Flood Damage on Railway Infrastructure. *Advances in Intelligent and Soft Computing*, **2010**, 61-70 | | 7 |
| 49 | Development of FLEMOcs a new model for the estimation of flood losses in the commercial sector. *Hydrological Sciences Journal*, **2010**, 55, 1302-1314 | 3.5 | 129 |
| 48 | Review article "Assessment of economic flood damage". *Natural Hazards and Earth System Sciences*, **2010**, 10, 1697-1724 | 3.9 | 696 |
| 47 | Application and validation of FLEMOcs a flood-loss estimation model for the commercial sector. *Hydrological Sciences Journal*, **2010**, 55, 1315-1324 | 3.5 | 42 |
| 46 | Estimation of industrial and commercial asset values for hazard risk assessment. *Natural Hazards*, **2010**, 52, 453-479 | 3 | 22 |

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| 45 | Deriving probabilistic regional envelope curves with two pooling methods. *Journal of Hydrology*, **2010**, 380, 14-26 | 6 | 19 |
| 44 | A delphi method expert survey to derive standards for flood damage data collection. *Risk Analysis*, **2010**, 30, 107-24 | 3.9 | 42 |
| 43 | A consistent set of trans-basin floods in Germany between 1952–2002. *Hydrology and Earth System Sciences*, **2010**, 14, 1277-1295 | 5.5 | 50 |
| 42 | Extent, perception and mitigation of damage due to high groundwater levels in the city of Dresden, Germany. *Natural Hazards and Earth System Sciences*, **2009**, 9, 1247-1258 | 3.9 | 39 |
| 41 | Significance of "high probability/low damage" versus "low probability/high damage" flood events. *Natural Hazards and Earth System Sciences*, **2009**, 9, 1033-1046 | 3.9 | 73 |
| 40 | Is flow velocity a significant parameter in flood damage modelling?. *Natural Hazards and Earth System Sciences*, **2009**, 9, 1679-1692 | 3.9 | 161 |
| 39 | Influence of dike breaches on flood frequency estimation. *Computers and Geosciences*, **2009**, 35, 907-923 | 4.5 | 53 |
| 38 | Coping with floods in the city of Dresden, Germany. *Natural Hazards*, **2009**, 51, 423-436 | 3 | 84 |
| 37 | Flood risk analyses—how detailed do we need to be?. *Natural Hazards*, **2009**, 49, 79-98 | 3 | 362 |
| 36 | Flood risk curves and uncertainty bounds. *Natural Hazards*, **2009**, 51, 437-458 | 3 | 167 |
| 35 | The role of disaggregation of asset values in flood loss estimation: a comparison of different modeling approaches at the Mulde River, Germany. *Environmental Management*, **2009**, 44, 524-41 | 3.1 | 38 |
| 34 | Seasonality of floods in Germany. *Hydrological Sciences Journal*, **2009**, 54, 62-76 | 3.5 | 59 |
| 33 | Effects of intersite dependence of nested catchment structures on probabilistic regional envelope curves. *Hydrology and Earth System Sciences*, **2009**, 13, 1699-1712 | 5.5 | 8 |
| 32 | Assessment of damage caused by high groundwater inundation. *Water Resources Research*, **2008**, 44, | 5.4 | 74 |
| 31 | Quantification of uncertainties in flood risk assessments. *International Journal of River Basin Management*, **2008**, 6, 149-162 | 1.7 | 113 |
| 30 | The reference installation approach for the estimation of industrial assets at risk. *European Journal of Industrial Engineering*, **2008**, 2, 73 | 1.1 | 6 |
| 29 | Flood precaution and coping with floods of companies in Germany. *WIT Transactions on Ecology and the Environment*, **2008**, | 1 | 4 |
| 28 | Development and evaluation of FLEMOps – a new Flood Loss Estimation MOdel for the private sector. *WIT Transactions on Ecology and the Environment*, **2008**, | 1 | 91 |

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| 27 | Coping with floods: preparedness, response and recovery of flood-affected residents in Germany in 2002. *Hydrological Sciences Journal*, **2007**, 52, 1016-1037 | 3.5 | 227 |
| 26 | Flood precaution of companies and their ability to cope with the flood in August 2002 in Saxony, Germany. *Water Resources Research*, **2007**, 43, | 5.4 | 65 |
| 25 | Aspects of seasonality and flood generating circulation patterns in a mountainous catchment in south-eastern Germany. *Hydrology and Earth System Sciences*, **2007**, 11, 1455-1468 | 5.5 | 44 |
| 24 | Risikokarten f Deutschland: Ergebnisse aus dem Center for Disaster Management and Risk Reduction Technology (CEDIM). *Gaia*, **2007**, 16, 313-316 | 1.4 | |
| 23 | Hochwasserrisikoanalysen an der Elbe Methodenvergleich und Datenaufl ung. *Osterreichische Wasser- Und Abfallwirtschaft*, **2007**, 59, 151-162 | 0.4 | 1 |
| 22 | Improvements on flood alleviation in Germany: lessons learned from the Elbe flood in August 2002. *Environmental Management*, **2006**, 38, 717-32 | 3.1 | 55 |
| 21 | Regionalisation of asset values for risk analyses. *Natural Hazards and Earth System Sciences*, **2006**, 6, 167-178 | 3.9 | 49 |
| 20 | Flood-risk mapping: contributions towards an enhanced assessment of extreme events and associated risks. *Natural Hazards and Earth System Sciences*, **2006**, 6, 485-503 | 3.9 | 199 |
| 19 | Estimation of the regional stock of residential buildings as a basis for a comparative risk assessment in Germany. *Natural Hazards and Earth System Sciences*, **2006**, 6, 541-552 | 3.9 | 59 |
| 18 | CEDIM Risk Explorer a map server solution in the project "Risk Map Germany". *Natural Hazards and Earth System Sciences*, **2006**, 6, 711-720 | 3.9 | 17 |
| 17 | Insurability and mitigation of flood losses in private households in Germany. *Risk Analysis*, **2006**, 26, 383-95 | 3.9 | 154 |
| 16 | Comparative Risk Assessments for the City of Cologne Storms, Floods, Earthquakes. *Natural Hazards*, **2006**, 38, 21-44 | 3 | 128 |
| 15 | Impact of Climate Change on the Regional Hydrology Scenario-Based Modelling Studies in the German Rhine Catchment. *Natural Hazards*, **2006**, 38, 45-61 | 3 | 49 |
| 14 | A Probabilistic Modelling System for Assessing Flood Risks. *Natural Hazards*, **2006**, 38, 79-100 | 3 | 180 |
| 13 | Separating natural and epistemic uncertainty in flood frequency analysis. *Journal of Hydrology*, **2005**, 309, 114-132 | 6 | 155 |
| 12 | Flood damage and influencing factors: New insights from the August 2002 flood in Germany. *Water Resources Research*, **2005**, 41, | 5.4 | 234 |
| 11 | Flood loss reduction of private households due to building precautionary measures lessons learned from the Elbe flood in August 2002. *Natural Hazards and Earth System Sciences*, **2005**, 5, 117-126 | 3.9 | 262 |
| 10 | Estimation uncertainty of direct monetary flood damage to buildings. *Natural Hazards and Earth System Sciences*, **2004**, 4, 153-163 | 3.9 | 296 |

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| 9 | Flood risk assessment and associated uncertainty. *Natural Hazards and Earth System Sciences*, **2004**, 4, 295-308 | 3.9 | 323 |
| 8 | Scaling input data by GIS for hydrological modelling. *Hydrological Processes*, **1999**, 13, 611-630 | 3.3 | 63 |
| 7 | Aspects of seasonality and flood generating circulation patterns in a mountainous catchment in south-eastern Germany | | 5 |
| 6 | The flood of June 2013 in Germany: how much do we know about its impacts? | | 2 |
| 5 | The object-specific flood damage database HOWAS21 | | 2 |
| 4 | A quality assessment framework for natural hazard event documentations: application to trans-basin flood reports in Germany | | 2 |
| 3 | Adaptability and transferability of flood loss functions in residential areas | | 1 |
| 2 | After the extreme flood in 2002: changes in preparedness, response and recovery of flood-affected residents in Germany between 2005 and 2011 | | 2 |
| 1 | Brief Communication: Sendai Framework for Disaster Risk Reduction – success or warning sign for Paris? | | 3 |