Reinhard Mechler

List of Publications by Year
in descending order

73	4,351	172386 29	133188 59
papers	citations	h-index	g-index

77	77	77	4934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flood risk and climate change: global and regional perspectives. Hydrological Sciences Journal, 2014, 59, 1-28.	1.2	998
2	Increasing stress on disaster-risk finance due to large floods. Nature Climate Change, 2014, 4, 264-268.	8.1	425
3	Determinants of Risk: Exposure and Vulnerability. , 2012, , 65-108.		329
4	Understanding trends and projections of disaster losses and climate change: is vulnerability the missing link?. Climatic Change, 2015, 133, 23-35.	1.7	140
5	Refocusing Disaster Aid. Science, 2005, 309, 1044-1046.	6.0	129
6	Changes in Impacts of Climate Extremes: Human Systems and Ecosystems. , 2012, , 231-290.		129
7	Managing unnatural disaster risk from climate extremes. Nature Climate Change, 2014, 4, 235-237.	8.1	111
8	An overview of serious games for disaster risk management â€“ Prospects and limitations for informing actions to arrest increasing risk. International Journal of Disaster Risk Reduction, 2018, 31, 1013-1029.	1.8	108
9	The use of scenarios as the basis for combined assessment of climate change mitigation and adaptation. Global Environmental Change, 2011, 21, 575-591.	3.6	91
10	Catastrophe Risk Models for Evaluating Disaster Risk Reduction Investments in Developing Countries. Risk Analysis, 2013, 33, 984-999.	1.5	87
11	Adaptation in integrated assessment modeling: where do we stand?. Climatic Change, 2010, 99, 383-402.	1.7	84
12	Identifying the policy space for climate loss and damage. Science, 2016, 354, 290-292.	6.0	77
13	National Systems for Managing the Risks from Climate Extremes and Disasters. , 2012, , 339-392.		75
14	Insurance for assisting adaptation to climate change in developing countries: a proposed strategy. Climate Policy, 2006, 6, 621-636.	2.6	71
15	Ecological macroeconomics: An application to climate change. Ecological Economics, 2013, 85, 69-76.	2.9	69
16	Financial adaptation to disaster risk in the European Union. Mitigation and Adaptation Strategies for Global Change, 2010, 15, 721-736.	1.0	67
17	Probabilistic costâ€benefit analysis of disaster risk management in a development context. Disasters, 2013, 37, 374-400.	1.1	67
18	Technologies to Support Community Flood Disaster Risk Reduction. International Journal of Disaster Risk Science, 2016, 7, 198-204.	1.3	63

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19	Disaster resilience: what it is and how it can engender a meaningful change in development policy. Development Policy Review, 2017, 35, 65-91.	1.0	63
20	Sovereign financial disaster risk management: The case of Mexico. Environmental Hazards, 2007, 7, 40-53.	1.4	61
21	Natural disaster risk in Asian megacities. Cities, 2011, 28, 53-61.	2.7	54
22	Toward a Sustainable and Resilient Future. , 2012, , 437-486.		49
23	Modelling economic impacts and adaptation to extreme events: Insights from European case studies. Mitigation and Adaptation Strategies for Global Change, 2010, 15, 737-762.	1.0	46
24	Funding public adaptation to climate-related disasters. Estimates for a global fund. Global Environmental Change, 2014, 25, 87-96.	3.6	46
25	Disaster safety nets for developing countries: Extending publicâ€“private partnerships. Environmental Hazards, 2007, 7, 54-61.	1.4	45
26	An overdue alignment of risk and resilience? A conceptual contribution to community resilience. Disasters, 2018, 42, 361-391.	1.1	45
27	Revisiting the â€˜disaster and developmentâ€™ debate â€“ Toward a broader understanding of macroeconomic risk and resilience. Climate Risk Management, 2014, 3, 39-54.	1.5	43
28	Brief communication: Sendai framework for disaster risk reduction â€“ success or warning sign for Paris?. Natural Hazards and Earth System Sciences, 2016, 16, 2189-2193.	1.5	42
29	Integrated Participatory and Collaborative Risk Mapping for Enhancing Disaster Resilience. ISPRS International Journal of Geo-Information, 2018, 7, 68.	1.4	41
30	The Contribution from Shipping Emissions to Air Quality and Acid Deposition in Europe. Ambio, 2005, 34, 54-59.	2.8	40
31	Towards an assessment of adaptive capacity of the European agricultural sector to droughts. Climate Services, 2017, 7, 47-63.	1.0	39
32	A typology of community flood resilience. Regional Environmental Change, 2020, 20, 1.	1.4	36
33	A methodological framework to operationalize climate risk management: managing sovereign climate-related extreme event risk in Austria. Mitigation and Adaptation Strategies for Global Change, 2017, 22, 1063-1086.	1.0	31
34	Loss and Damage in the mountain cryosphere. Regional Environmental Change, 2019, 19, 1387-1399.	1.4	30
35	Integrated assessment of short-term direct and indirect economic flood impacts including uncertainty quantification. PLoS ONE, 2019, 14, e0212932.	1.1	30
36	Perspectives on transformational change in climate risk management and adaptation. Environmental Research Letters, 2021, 16, 053002.	2.2	28

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37	Advancing climate adaptation and risk management. New insights, concepts and approaches: what have we learned from the SREX and the AR5 processes?. Climatic Change, 2015, 133, 1-6.	1.7	26
38	Advancing methodological thinking and practice for development-compatible climate policy planning. Mitigation and Adaptation Strategies for Global Change, 2014, 19, 261-288.	1.0	24
39	The European Union Solidarity Fund. Mitigation and Adaptation Strategies for Global Change, 2010, 15, 797-810.	1.0	23
40	Insurance as a Response to Loss and Damage?. Climate Risk Management, Policy and Governance, 2019, , 483-512.	2.5	23
41	Lessons from COVID-19 for managing transboundary climate risks and building resilience. Climate Risk Management, 2022, 35, 100395.	1.5	23
42	Addressing the human cost in a changing climate. Science, 2021, 372, 1284-1287.	6.0	22
43	From event analysis to global lessons: disaster forensics for building resilience. Natural Hazards and Earth System Sciences, 2016, 16, 1603-1616.	1.5	21
44	Climate change and financial adaptation in Africa. Investigating the impact of climate change on the robustness of index-based microinsurance in Malawi. Mitigation and Adaptation Strategies for Global Change, 2009, 14, 231-250.	1.0	20
45	Root causes of recurrent catastrophe: The political ecology of El NiÃ±o-related disasters in Peru. International Journal of Disaster Risk Reduction, 2020, 47, 101539.	1.8	20
46	Science for Loss and Damage. Findings and Propositions. Climate Risk Management, Policy and Governance, 2019, , 3-37.	2.5	19
47	Operationalizing Iterative Risk Management under Limited Information: Fiscal and Economic Risks Due to Natural Disasters in Cambodia. International Journal of Disaster Risk Science, 2015, 6, 321-334.	1.3	18
48	A risk management tool for tackling country-wide contingent disasters: A case study on Madagascar. Environmental Modelling and Software, 2015, 72, 44-55.	1.9	17
49	Standardized disaster and climate resilience grading: A global scale empirical analysis of community flood resilience. Journal of Environmental Management, 2020, 276, 111332.	3.8	17
50	Assessing adaptation to extreme weather events in Europeâ€"Editorial. Mitigation and Adaptation Strategies for Global Change, 2010, 15, 611-620.	1.0	15
51	Disasters And Economic Welfare: Can National Savings Help Explain Post-Disaster Changes In Consumption?. Policy Research Working Papers, 2009, , .	1.4	15
52	Finance for Loss and Damage: a comprehensive risk analytical approach. Current Opinion in Environmental Sustainability, 2021, 50, 185-196.	3.1	14
53	A methodology for incorporating natural catastrophes into macroeconomic projections. Disaster Prevention and Management, 2004, 13, 337-342.	0.6	13
54	Revisiting Arrow-Lind: Managing Sovereign Disaster Risk. Journal of Natural Resources Policy Research, 2014, 6, 93-100.	0.4	13

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55	Differences in the dynamics of community disaster resilience across the globe. Scientific Reports, 2021, 11, 17625.	1.6	11
56	Insurance for assisting adaptation to climate change in developing countries: a proposed strategy. Climate Policy, 2006, 6, 621-636.	2.6	11
57	Microâ€insurance against drought risk in a changing climate. International Journal of Climate Change Strategies and Management, 2010, 2, 148-166.	1.5	10
58	What if Dutch investors started worrying about flood risk? Implications for disaster risk reduction. Regional Environmental Change, 2016, 16, 565-574.	1.4	8
59	Supporting Climate Risk Management at Scale. Insights from the Zurich Flood Resilience Alliance Partnership Model Applied in Peru & Nepal. Climate Risk Management, Policy and Governance, 2019, , 393-424.	2.5	8
60	The Risk and Policy Space for Loss and Damage: Integrating Notions of Distributive and Compensatory Justice with Comprehensive Climate Risk Management. Climate Risk Management, Policy and Governance, 2019, , 83-110.	2.5	8
61	The Australian wildfires from a systems dependency perspective. Environmental Research Letters, 2020, 15, 121001.	2.2	7
62	Transparency for Loss and Damage. Nature Climate Change, 2017, 7, 687-688.	8.1	5
63	A co-designed heuristic guide for investigating the peace-sustainability nexus in the context of global change. Sustainability Science, 2021, 16, 1097-1109.	2.5	5
64	Modeling Macro Scale Disaster Risk: The CATSIM Model. Advances in Natural and Technological Hazards Research, 2013, , 119-143.	1.1	5
65	Reply to 'Statistics of flood risk'. Nature Climate Change, 2014, 4, 844-845.	8.1	2
66	Disaster Risk Management and Fiscal Policy: Entry Points for Finance Ministries. Climate Risk Management, Policy and Governance, 2016, , 73-104.	2.5	2
67	Catastrophe Models for Informing Risk Management Policy: An Introduction. Advances in Natural and Technological Hazards Research, 2013, , 3-12.	1.1	1
68	Modeling Aggregate Economic Risk: An Introduction. Advances in Natural and Technological Hazards Research, 2013, , 95-102.	1.1	1
69	Managing Indirect Economic Consequences of Disaster Risk: The Case of Nepal. Advances in Natural and Technological Hazards Research, 2013, , 145-168.	1.1	1
70	The Value of Global Earth Observations. , 2017, , 137-142.		1
71	Conceptualising and assessing health system resilience to shocks: a cross-disciplinary view. Wellcome Open Research, 0, 7, 151.	0.9	1
72	If Numbers Can Speak, Who Listens? Creating Engagement and Learning for Effective Uptake of DRR Investment in Developing Countries. PLOS Currents, 2016, 8, .	1.4	0

#	Article	IF	Citations
73	Fiscal Resilience and Building Back Better: A Global Analysis for Disaster Risk Reduction Strategies. Disaster and Risk Research: GADRI Book Series, 2020, , 213-230.	0.1	0