

Stefan Hochrainer-Stigler

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,700
citations

218662

26
h-index

197805

49
g-index

87
all docs

87
docs citations

87
times ranked

3122
citing authors

#	ARTICLE	IF	CITATIONS
1	Increasing stress on disaster-risk finance due to large floods. <i>Nature Climate Change</i> , 2014, 4, 264-268.	18.8	425
2	Understanding farmers' intention and behavior regarding water conservation in the Middle-East and North Africa: A case study in Iran. <i>Journal of Environmental Management</i> , 2014, 135, 63-72.	7.8	182
3	Changing risks of simultaneous global breadbasket failure. <i>Nature Climate Change</i> , 2020, 10, 54-57.	18.8	132
4	Managing unnatural disaster risk from climate extremes. <i>Nature Climate Change</i> , 2014, 4, 235-237.	18.8	111
5	Assessing river flood risk and adaptation in Europe—review of projections for the future. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2010, 15, 641-656.	2.1	110
6	Financial instruments for disaster risk management and climate change adaptation. <i>Climatic Change</i> , 2015, 133, 85-100.	3.6	110
7	River flood risk and adaptation in Europe—assessment of the present status. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2010, 15, 621-639.	2.1	88
8	Catastrophe Risk Models for Evaluating Disaster Risk Reduction Investments in Developing Countries. <i>Risk Analysis</i> , 2013, 33, 984-999.	2.7	87
9	Evidence for Urban—Rural Disparity in Temperature—Mortality Relationships in Zhejiang Province, China. <i>Environmental Health Perspectives</i> , 2019, 127, 37001.	6.0	83
10	Mapping the effects of drought on child stunting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17219-17224.	7.1	75
11	Probabilistic cost-benefit analysis of disaster risk management in a development context. <i>Disasters</i> , 2013, 37, 374-400.	2.2	67
12	Assessing water resource system vulnerability to unprecedented hydrological drought using copulas to characterize drought duration and deficit. <i>Water Resources Research</i> , 2015, 51, 8927-8948.	4.2	66
13	Technologies to Support Community Flood Disaster Risk Reduction. <i>International Journal of Disaster Risk Science</i> , 2016, 7, 198-204.	2.9	63
14	Insurance against Losses from Natural Disasters in Developing Countries. <i>Journal of Integrated Disaster Risk Management</i> , 2011, 1, 59-81.	0.3	56
15	Natural disaster risk in Asian megacities. <i>Cities</i> , 2011, 28, 53-61.	5.6	54
16	Modelling economic impacts and adaptation to extreme events: Insights from European case studies. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2010, 15, 737-762.	2.1	46
17	Funding public adaptation to climate-related disasters. Estimates for a global fund. <i>Global Environmental Change</i> , 2014, 25, 87-96.	7.8	46
18	An overdue alignment of risk and resilience? A conceptual contribution to community resilience. <i>Disasters</i> , 2018, 42, 361-391.	2.2	45

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19	Vulnerability to Weather Disasters: the Choice of Coping Strategies in Rural Uganda. <i>Ecology and Society</i> , 2013, 18, .	2.3	44
20	Revisiting the “disaster and development” debate “ Toward a broader understanding of macroeconomic risk and resilience. <i>Climate Risk Management</i> , 2014, 3, 39-54.	3.2	43
21	A typology of community flood resilience. <i>Regional Environmental Change</i> , 2020, 20, 1.	2.9	36
22	First insights from the Flood Resilience Measurement Tool: A large-scale community flood resilience analysis. <i>International Journal of Disaster Risk Reduction</i> , 2019, 40, 101257.	3.9	35
23	Dependency of Crop Production between Global Breadbaskets: A Copula Approach for the Assessment of Global and Regional Risk Pools. <i>Risk Analysis</i> , 2017, 37, 2212-2228.	2.7	34
24	Water management from tradition to second modernity: an analysis of the water crisis in Iran. <i>Environment, Development and Sustainability</i> , 2013, 15, 1605-1621.	5.0	32
25	A methodological framework to operationalize climate risk management: managing sovereign climate-related extreme event risk in Austria. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2017, 22, 1063-1086.	2.1	31
26	Measuring satisfaction of crop insurance a modified American customer satisfaction model approach applied to Iranian Farmers. <i>International Journal of Disaster Risk Reduction</i> , 2013, 5, 19-27.	3.9	29
27	Invited perspectives: A research agenda towards disaster risk management pathways in multi-(hazard-)risk assessment. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 1487-1497.	3.6	27
28	Structured Coupling of Probability Loss Distributions: Assessing Joint Flood Risk in Multiple River Basins. <i>Risk Analysis</i> , 2015, 35, 2102-2119.	2.7	24
29	The European Union Solidarity Fund. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2010, 15, 797-810.	2.1	23
30	Evaluation of earthquake mitigation measures to reduce economic and human losses: a case study to residential property owners in the metropolitan area of Shiraz, Iran. <i>Natural Hazards</i> , 2015, 78, 1811-1826.	3.4	22
31	Addressing the human cost in a changing climate. <i>Science</i> , 2021, 372, 1284-1287.	12.6	22
32	Climate change and financial adaptation in Africa. Investigating the impact of climate change on the robustness of index-based microinsurance in Malawi. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2009, 14, 231-250.	2.1	20
33	The European Union Solidarity Fund: an assessment of its recent reforms. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2017, 22, 547-563.	2.1	20
34	Science for Loss and Damage. Findings and Propositions. <i>Climate Risk Management, Policy and Governance</i> , 2019, , 3-37.	2.5	19
35	Enhancing resilience of systems to individual and systemic risk: Steps toward an integrative framework. <i>International Journal of Disaster Risk Reduction</i> , 2020, 51, 101868.	3.9	19
36	Operationalizing Iterative Risk Management under Limited Information: Fiscal and Economic Risks Due to Natural Disasters in Cambodia. <i>International Journal of Disaster Risk Science</i> , 2015, 6, 321-334.	2.9	18

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37	A risk management tool for tackling country-wide contingent disasters: A case study on Madagascar. <i>Environmental Modelling and Software</i> , 2015, 72, 44-55.	4.5	17
38	Standardized disaster and climate resilience grading: A global scale empirical analysis of community flood resilience. <i>Journal of Environmental Management</i> , 2020, 276, 111332.	7.8	17
39	Remote sensing data for managing climate risks: Index-based insurance and growth related applications for smallhold-farmers in Ethiopia. <i>Climate Risk Management</i> , 2014, 6, 27-38.	3.2	16
40	Challenges for mainstreaming climate change into EU flood and drought policy: Water retention measures in the Warta River Basin, Poland. <i>Regional Environmental Change</i> , 2015, 15, 1011-1023.	2.9	15
41	Integrating Systemic Risk and Risk Analysis Using Copulas. <i>International Journal of Disaster Risk Science</i> , 2018, 9, 561-567.	2.9	15
42	Revisiting Arrow-Lind: Managing Sovereign Disaster Risk. <i>Journal of Natural Resources Policy Research</i> , 2014, 6, 93-100.	0.4	13
43	Up-scaling of impact dependent loss distributions: a hybrid convolution approach for flood risk in Europe. <i>Natural Hazards</i> , 2014, 70, 1437-1451.	3.4	13
44	Flood Proofing Low-Income Houses in India: an Application of Climate-Sensitive Probabilistic Benefit-Cost Analysis. <i>Economics of Disasters and Climate Change</i> , 2019, 3, 23-38.	2.2	13
45	Drought impact in the Bolivian Altiplano agriculture associated with the El Niño "Southern Oscillation using satellite imagery data. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 995-1010.	3.6	13
46	The 3rd Global Summit of Research Institutes for Disaster Risk Reduction: Expanding the Platform for Bridging Science and Policy Making. <i>International Journal of Disaster Risk Science</i> , 2017, 8, 224-230.	2.9	12
47	Large scale extreme risk assessment using copulas: an application to drought events under climate change for Austria. <i>Computational Management Science</i> , 2019, 16, 651-669.	1.3	12
48	Measuring, modeling, and managing systemic risk: the missing aspect of human agency. <i>Journal of Risk Research</i> , 2020, 23, 1301-1317.	2.6	12
49	Risk management against extremes in a changing environment: a risk-layer approach using copulas. <i>Environmetrics</i> , 2012, 23, 663-672.	1.4	11
50	Consequences of Financial Vulnerability and Insurance Loading for the Affordability of Earthquake Insurance Systems: Evidence from Iran. <i>Geneva Papers on Risk and Insurance: Issues and Practice</i> , 2015, 40, 295-315.	2.1	11
51	Differences in the dynamics of community disaster resilience across the globe. <i>Scientific Reports</i> , 2021, 11, 17625.	3.3	11
52	Disaster Microinsurance for Pro-Poor Risk Management: Evidence from South Asia. <i>Journal of Integrated Disaster Risk Management</i> , 2012, 2, 70-88.	0.3	11
53	Hydro-climatic variability and agricultural production on the shores of Lake Chad. <i>Environmental Development</i> , 2016, 20, 15-30.	4.1	10
54	Incorporating model uncertainty into optimal insurance contract design. <i>Insurance: Mathematics and Economics</i> , 2017, 73, 68-74.	1.2	10

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55	Government liabilities for disaster risk in industrialized countries: a case study of Australia. <i>Environmental Hazards</i> , 2018, 17, 418-435.	2.5	10
56	Evaluating Partnerships to Enhance Disaster Risk Management using Multi-Criteria Analysis: An Application at the Pan-European Level. <i>Environmental Management</i> , 2018, 61, 24-33.	2.7	8
57	Post-disaster recovery in industrial sectors: A Markov process analysis of multiple lifeline disruptions. <i>Reliability Engineering and System Safety</i> , 2021, 206, 107299.	8.9	8
58	The Risk and Policy Space for Loss and Damage: Integrating Notions of Distributive and Compensatory Justice with Comprehensive Climate Risk Management. <i>Climate Risk Management, Policy and Governance</i> , 2019, , 83-110.	2.5	8
59	Extreme and Systemic Risk Analysis. <i>Integrated Disaster Risk Management</i> , 2020, , .	0.2	7
60	The risk and consequences of multiple breadbasket failures: an integrated copula and multilayer agent-based modeling approach. <i>OR Spectrum</i> , 2020, 42, 727-754.	3.4	7
61	The Australian wildfires from a systems dependency perspective. <i>Environmental Research Letters</i> , 2020, 15, 121001.	5.2	7
62	Changes in fiscal risk against natural disasters due to Covid-19. <i>Progress in Disaster Science</i> , 2021, 10, 100176.	2.7	6
63	Impacts of Global and Climate Change Uncertainties for Disaster Risk Projections: A Case Study on Rainfall-Induced Flood Risk in Bangladesh. <i>Journal of Extreme Events</i> , 2016, 03, 1650004.	1.1	5
64	Mainstreaming of climate extreme risk into fiscal and budgetary planning: application of stochastic debt and disaster fund analysis in Austria. <i>Regional Environmental Change</i> , 2018, 18, 2161-2172.	2.9	5
65	Risk-Layering for Indirect Effects. <i>International Journal of Disaster Risk Science</i> , 2021, 12, 770-778.	2.9	5
66	Adaptive risk management strategies for governments under future climate and socioeconomic change: An application to riverine flood risk at the global level. <i>Environmental Science and Policy</i> , 2021, 125, 10-20.	4.9	5
67	Modeling Macro Scale Disaster Risk: The CATSIM Model. <i>Advances in Natural and Technological Hazards Research</i> , 2013, , 119-143.	1.1	5
68	Barriers and ways forward to climate risk management against indirect effects of natural disasters: A case study on flood risk in Austria. <i>Climate Risk Management</i> , 2022, 36, 100431.	3.2	5
69	Natural Disasters and Macroeconomic Performance: An Empirical Analysis Based on an Econometric Modelling Approach. <i>Journal of Integrated Disaster Risk Management</i> , 2015, 5, 21-41.	0.3	4
70	Reply to 'Statistics of flood risk'. <i>Nature Climate Change</i> , 2014, 4, 844-845.	18.8	2
71	Disaster Risk Management and Fiscal Policy: Entry Points for Finance Ministries. <i>Climate Risk Management, Policy and Governance</i> , 2016, , 73-104.	2.5	2
72	Social Indicators of Vulnerability to Floods: An Empirical Case Study in Two Upper Tisza Flood Basins. <i>Advances in Natural and Technological Hazards Research</i> , 2013, , 181-198.	1.1	2

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73	Managing Indirect Economic Consequences of Disaster Risk: The Case of Nepal. <i>Advances in Natural and Technological Hazards Research</i> , 2013, , 145-168.	1.1	1
74	Generating Multiple Resilience Dividends from Managing Unnatural Disasters in Asia: Opportunities for Measurement and Policy. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
75	Evaluating Current Research Status and Identifying Most Important Future Research Themes. <i>Disaster and Risk Research: GADRI Book Series</i> , 2021, , 21-46.	0.1	0
76	If Numbers Can Speak, Who Listens? Creating Engagement and Learning for Effective Uptake of DRR Investment in Developing Countries. <i>PLOS Currents</i> , 2016, 8, .	1.4	0
77	Individual Risk and Extremes. <i>Integrated Disaster Risk Management</i> , 2020, , 23-64.	0.2	0
78	Fiscal Resilience and Building Back Better: A Global Analysis for Disaster Risk Reduction Strategies. <i>Disaster and Risk Research: GADRI Book Series</i> , 2020, , 213-230.	0.1	0
79	Risk layering and optimal insurance uptake under ambiguity: With an application to farmers exposed to drought risk in Austria. <i>Risk Analysis</i> , 2022, 42, 2639-2655.	2.7	0