

Jochen Hinkel

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

10,553
citations

46918

47
h-index

33814

99
g-index

109
all docs

109
docs citations

109
times ranked

10809
citing authors

#	ARTICLE	IF	CITATIONS
1	Coastal flooding and mean sea-level rise allowances in atoll island. <i>Scientific Reports</i> , 2022, 12, 1281.	1.6	11
2	Sea level rise risks and societal adaptation benefits in low-lying coastal areas. <i>Scientific Reports</i> , 2022, 12, .	1.6	44
3	A framework for assessing the potential effectiveness of adaptation policies: Coastal risks and sea-level rise in the Maldives. <i>Environmental Science and Policy</i> , 2021, 115, 35-42.	2.4	23
4	The potential of nature-based flood defences to leverage public investment in coastal adaptation: Cases from the Netherlands, Indonesia and Georgia. <i>Ecological Economics</i> , 2021, 179, 106828.	2.9	10
5	Using quantitative dynamic adaptive policy pathways to manage climate change-induced coastal erosion. <i>Climate Risk Management</i> , 2021, 33, 100342.	1.6	6
6	Regional economic analysis of flood defence heights at the German Baltic Sea coast: A multi-method cost-benefit approach for flood prevention. <i>Climate Risk Management</i> , 2021, 32, 100289.	1.6	11
7	A global analysis of subsidence, relative sea-level change and coastal flood exposure. <i>Nature Climate Change</i> , 2021, 11, 338-342.	8.1	193
8	Unravelling the Importance of Uncertainties in Global-Scale Coastal Flood Risk Assessments under Sea Level Rise. <i>Water (Switzerland)</i> , 2021, 13, 774.	1.2	10
9	Integrating new sea-level scenarios into coastal risk and adaptation assessments: An ongoing process. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2021, 12, e706.	3.6	34
10	Coastal Migration due to 21st Century Sea-Level Rise. <i>Earth's Future</i> , 2021, 9, e2020EF001965.	2.4	36
11	Risks on global financial stability induced by climate change: the case of flood risks. <i>Climatic Change</i> , 2021, 166, 1.	1.7	17
12	Coastal Flooding in the Maldives Induced by Mean Sea-Level Rise and Wind-Waves: From Global to Local Coastal Modelling. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	16
13	Uncertainty and Bias in Global to Regional Scale Assessments of Current and Future Coastal Flood Risk. <i>Earth's Future</i> , 2021, 9, e2020EF001882.	2.4	35
14	Vested interests, rather than adaptation considerations, explain varying post-tsunami relocation outcomes in Laamu atoll, Maldives. <i>One Earth</i> , 2021, , .	3.6	1
15	Global Climate Services: A Typology of Global Decisions Influenced by Climate Risk. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	1
16	Leveraging public adaptation finance through urban land reclamation: cases from Germany, the Netherlands and the Maldives. <i>Climatic Change</i> , 2020, 160, 671-689.	1.7	23
17	Land raising as a solution to sea-level rise: An analysis of coastal flooding on an artificial island in the Maldives. <i>Journal of Flood Risk Management</i> , 2020, 13, e12567.	1.6	29
18	Coastal flood risks in China through the 21st century – An application of DIVA. <i>Science of the Total Environment</i> , 2020, 704, 135311.	3.9	52

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19	Financing and implementation of adaptation measures to climate change along the Spanish coast. <i>Science of the Total Environment</i> , 2020, 712, 135685.	3.9	11
20	Multilevel governance of coastal flood risk reduction: A public finance perspective. <i>Environmental Science and Policy</i> , 2020, 112, 203-212.	2.4	15
21	What drives relocation policies in the Maldives?. <i>Climatic Change</i> , 2020, 163, 931-951.	1.7	14
22	Projections of global-scale extreme sea levels and resulting episodic coastal flooding over the 21st Century. <i>Scientific Reports</i> , 2020, 10, 11629.	1.6	280
23	Future urban development exacerbates coastal exposure in the Mediterranean. <i>Scientific Reports</i> , 2020, 10, 14420.	1.6	46
24	A typology for analysing mitigation and adaptation win-win strategies. <i>Climatic Change</i> , 2020, 160, 539-564.	1.7	9
25	Economic motivation for raising coastal flood defenses in Europe. <i>Nature Communications</i> , 2020, 11, 2119.	5.8	125
26	Transformative narratives for climate action. <i>Climatic Change</i> , 2020, 160, 495-506.	1.7	25
27	Climate change induced socio-economic tipping points: review and stakeholder consultation for policy relevant research. <i>Environmental Research Letters</i> , 2020, 15, 023001.	2.2	47
28	Economy-wide effects of coastal flooding due to sea level rise: a multi-model simultaneous treatment of mitigation, adaptation, and residual impacts. <i>Environmental Research Communications</i> , 2020, 2, 015002.	0.9	28
29	Fiscal effects and the potential implications on economic growth of sea-level rise impacts and coastal zone protection. <i>Climatic Change</i> , 2020, 160, 283-302.	1.7	15
30	The effectiveness of setback zones for adapting to sea-level rise in Croatia. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	11
31	Framework for High-End Estimates of Sea Level Rise for Stakeholder Applications. <i>Earth's Future</i> , 2019, 7, 923-938.	2.4	46
32	Climate clubs and the macro-economic benefits of international cooperation on climate policy. <i>Nature Climate Change</i> , 2019, 9, 542-546.	8.1	65
33	Water-level attenuation in global-scale assessments of exposure to coastal flooding: a sensitivity analysis. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 973-984.	1.5	45
34	Meeting User Needs for Sea Level Rise Information: A Decision Analysis Perspective. <i>Earth's Future</i> , 2019, 7, 320-337.	2.4	112
35	Uncertainty representations of mean sea-level change: a telephone game?. <i>Climatic Change</i> , 2019, 152, 393-411.	1.7	15
36	Global Investment Costs for Coastal Defense through the 21 st Century. , 2019, , .		11

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37	Benefits of Climate-Change Mitigation for Reducing the Impacts of Sea-Level Rise in G-20 Countries. <i>Journal of Coastal Research</i> , 2019, 35, 884.	0.1	6
38	Quantifying Land and People Exposed to Sea-Level Rise with No Mitigation and 1.5°C and 2.0°C Rise in Global Temperatures to Year 2300. <i>Earth's Future</i> , 2018, 6, 583-600.	2.4	73
39	Stabilization of global temperature at 1.5°C and 2.0°C: implications for coastal areas. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20160448.	1.6	76
40	A Mediterranean coastal database for assessing the impacts of sea-level rise and associated hazards. <i>Scientific Data</i> , 2018, 5, 180044.	2.4	44
41	Mobilizing private finance for coastal adaptation: A literature review. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2018, 9, e514.	3.6	26
42	Regionalisation of population growth projections in coastal exposure analysis. <i>Climatic Change</i> , 2018, 151, 413-426.	1.7	35
43	Mediterranean UNESCO World Heritage at risk from coastal flooding and erosion due to sea-level rise. <i>Nature Communications</i> , 2018, 9, 4161.	5.8	204
44	Future response of global coastal wetlands to sea-level rise. <i>Nature</i> , 2018, 561, 231-234.	13.7	615
45	Ocean Solutions to Address Climate Change and Its Effects on Marine Ecosystems. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	248
46	Economically robust protection against 21st century sea-level rise. <i>Global Environmental Change</i> , 2018, 51, 67-73.	3.6	85
47	The ability of societies to adapt to twenty-first-century sea-level rise. <i>Nature Climate Change</i> , 2018, 8, 570-578.	8.1	160
48	Introduction to the special issue on adapting institutions to climate change. <i>Journal of Institutional Economics</i> , 2018, 14, 409-422.	1.3	6
49	Spatial-temporal changes of coastal and marine disasters risks and impacts in Mainland China. <i>Ocean and Coastal Management</i> , 2017, 139, 125-140.	2.0	80
50	A comparison of two global datasets of extreme sea levels and resulting flood exposure. <i>Earth's Future</i> , 2017, 5, 379-392.	2.4	78
51	Trajectories of exposure and vulnerability of small islands to climate change. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2017, 8, e478.	3.6	62
52	Understanding extreme sea levels for broad-scale coastal impact and adaptation analysis. <i>Nature Communications</i> , 2017, 8, 16075.	5.8	233
53	Household-Level Coastal Adaptation and Its Drivers: A Systematic Case Study Review. <i>Risk Analysis</i> , 2017, 37, 629-646.	1.5	49
54	Sea Level Change and Coastal Climate Services: The Way Forward. <i>Journal of Marine Science and Engineering</i> , 2017, 5, 49.	1.2	81

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55	Assessing the impacts of 1.5°C global warming – simulation protocol of the Inter-Sectoral Impact Model Intercomparison Project (ISIMIP2b). <i>Geoscientific Model Development</i> , 2017, 10, 4321-4345.	1.3	410
56	Spatial variations of sea-level rise and impacts: An application of DIVA. <i>Climatic Change</i> , 2016, 134, 403-416.	1.7	57
57	Global-scale climate impact functions: the relationship between climate forcing and impact. <i>Climatic Change</i> , 2016, 134, 475-487.	1.7	32
58	Effects of Scale and Input Data on Assessing the Future Impacts of Coastal Flooding: An Application of DIVA for the Emilia-Romagna Coast. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	29
59	Transferring Williamson's discriminating alignment to the analysis of environmental governance of social-ecological interdependence. <i>Ecological Economics</i> , 2016, 128, 159-168.	2.9	53
60	Comment on “The Global Impacts of Extreme Sea-Level Rise: A Comprehensive Economic Assessment”™. <i>Environmental and Resource Economics</i> , 2016, 64, 341-344.	1.5	5
61	Conservation Organizations Need to Consider Adaptive Capacity: Why Local Input Matters. <i>Conservation Letters</i> , 2016, 9, 351-360.	2.8	19
62	Gridded population projections for the coastal zone under the Shared Socioeconomic Pathways. <i>Global and Planetary Change</i> , 2016, 145, 57-66.	1.6	184
63	Towards a diagnostic adaptation science. <i>Regional Environmental Change</i> , 2016, 16, 1-5.	1.4	23
64	Methodological choices in solution-oriented adaptation research: a diagnostic framework. <i>Regional Environmental Change</i> , 2016, 16, 7-20.	1.4	34
65	Frontiers of solution-oriented adaptation research. <i>Regional Environmental Change</i> , 2016, 16, 123-136.	1.4	8
66	The impacts of climate change across the globe: A multi-sectoral assessment. <i>Climatic Change</i> , 2016, 134, 457-474.	1.7	88
67	Governance of social dilemmas in climate change adaptation. <i>Nature Climate Change</i> , 2016, 6, 354-359.	8.1	77
68	Global coastal wetland change under sea-level rise and related stresses: The DIVA Wetland Change Model. <i>Global and Planetary Change</i> , 2016, 139, 15-30.	1.6	256
69	Sea-level rise scenarios and coastal risk management. <i>Nature Climate Change</i> , 2015, 5, 188-190.	8.1	159
70	Uncertainty, Decision Science, and Policy Making: A Manifesto for a Research Agenda. <i>Critical Review</i> , 2015, 27, 213-242.	0.1	9
71	A diagnostic procedure for applying the social-ecological systems framework in diverse cases. <i>Ecology and Society</i> , 2015, 20, .	1.0	72
72	A review and classification of analytical methods for climate change adaptation. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2015, 6, 171-188.	3.6	26

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73	Enhancing the Ostrom social-ecological system framework through formalization. Ecology and Society, 2014, 19, .	1.0	64
74	Assessment of vulnerability to climate change using indicators: a meta-analysis of the literature. Wiley Interdisciplinary Reviews: Climate Change, 2014, 5, 775-792.	3.6	99
75	Coastal flood damage and adaptation costs under 21st century sea-level rise. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3292-3297.	3.3	878
76	Application of the SES Framework for Model-based Analysis of the Dynamics of Social-Ecological Systems. Ecology and Society, 2014, 19, .	1.0	85
77	Shifting perspectives on coastal impacts and adaptation. Nature Climate Change, 2014, 4, 752-755.	8.1	97
78	A typology of household-level adaptation to coastal flooding and its spatio-temporal patterns. SpringerPlus, 2014, 3, 466.	1.2	14
79	Clarifying vulnerability definitions and assessments using formalisation. International Journal of Climate Change Strategies and Management, 2013, 5, 54-70.	1.5	71
80	Sea-Level Rise Impacts and Responses: A Global Perspective. Coastal Research Library, 2013, , 117-149.	0.2	38
81	What motivates coastal households to adapt pro-actively to sea-level rise and increasing flood risk?. Regional Environmental Change, 2013, 13, 897-909.	1.4	99
82	A global assessment of the effects of climate policy on the impacts of climate change. Nature Climate Change, 2013, 3, 512-519.	8.1	91
83	A global analysis of erosion of sandy beaches and sea-level rise: An application of DIVA. Global and Planetary Change, 2013, 111, 150-158.	1.6	197
84	The effects of adaptation and mitigation on coastal flood impacts during the 21st century. An application of the DIVA and IMAGE models. Climatic Change, 2013, 117, 783-794.	1.7	64
85	Comparison of Frameworks for Analyzing Social-ecological Systems. Ecology and Society, 2013, 18, .	1.0	478
86	Sea-level rise impacts on Africa and the effects of mitigation and adaptation: an application of DIVA. Regional Environmental Change, 2012, 12, 207-224.	1.4	75
87	“Indicators of vulnerability and adaptive capacity”: Towards a clarification of the science-policy interface. Global Environmental Change, 2011, 21, 198-208.	3.6	790
88	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
89	Classifying knowledge on climate change impacts, adaptation, and vulnerability in Europe for informing adaptation research and decision-making: A conceptual meta-analysis. Global Environmental Change, 2011, 21, 1106-1116.	3.6	48
90	A GLOBAL ANALYSIS OF COASTAL EROSION OF BEACHES DUE TO SEA-LEVEL RISE: AN APPLICATION OF DIVA. , 2011, , .		2

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91	Avoiding the avoidable: Towards a European heat waves risk governance. <i>International Journal of Disaster Risk Science</i> , 2011, 2, 1-14.	1.3	41
92	Sea-level rise and its possible impacts given a "beyond 4°C world" in the twenty-first century. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 161-181.	1.6	451
93	Sea-level rise vulnerability in the countries of the Coral Triangle. <i>Sustainability Science</i> , 2010, 5, 207-222.	2.5	41
94	Assessing risk of and adaptation to sea-level rise in the European Union: an application of DIVA. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2010, 15, 703-719.	1.0	120
95	Sea-level rise impact models and environmental conservation: A review of models and their applications. <i>Ocean and Coastal Management</i> , 2010, 53, 507-517.	2.0	144
96	Multilevel water, biodiversity and climate adaptation governance: evaluating adaptive management in Lesotho. <i>Environmental Science and Policy</i> , 2010, 13, 637-647.	2.4	32
97	Climate change adaptation strategies in the Mekong and Orange-Senqu basins: What determines the state-of-play?. <i>Environmental Science and Policy</i> , 2010, 13, 648-659.	2.4	26
98	Resilience and Vulnerability: Complementary or Conflicting Concepts?. <i>Ecology and Society</i> , 2010, 15, .	1.0	584
99	Framing climate vulnerability and adaptation at multiple levels: Addressing climate risks or institutional barriers in Lesotho?. <i>Climate and Development</i> , 2010, 2, 161-175.	2.2	26
100	Towards a Formal Framework of Vulnerability to Climate Change. <i>Environmental Modeling and Assessment</i> , 2009, 14, 1-16.	1.2	141
101	The PIAM approach to modular integrated assessment modelling. <i>Environmental Modelling and Software</i> , 2009, 24, 739-748.	1.9	20
102	Integrating knowledge to assess coastal vulnerability to sea-level rise: The development of the DIVA tool. <i>Global Environmental Change</i> , 2009, 19, 384-395.	3.6	190
103	A New Global Coastal Database for Impact and Vulnerability Analysis to Sea-Level Rise. <i>Journal of Coastal Research</i> , 2008, 244, 917-924.	0.1	221
104	DIVA: an iterative method for building modular integrated models. <i>Advances in Geosciences</i> , 0, 4, 45-50.	12.0	39