

David N Bresch

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,659
citations

318942

23
h-index

252626

46
g-index

91
all docs

91
docs citations

91
times ranked

3848
citing authors

#	ARTICLE	IF	CITATIONS
1	Atlantic hurricanes and associated insurance loss potentials in future climate scenarios: limitations of high-resolution AGCM simulations. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 64, 15672.	0.8	11
2	Modelling economic losses of historic and present-day high-impact winter windstorms in Switzerland. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 68, 29546.	0.8	20
3	Mapping urban temperature using crowd-sensing data and machine learning. <i>Urban Climate</i> , 2021, 35, 100739.	2.4	31
4	Social integration matters: factors influencing natural hazard risk preparedness—a survey of Swiss households. <i>Natural Hazards</i> , 2021, 105, 1861-1890.	1.6	7
5	Comparing an insurer's perspective on building damages with modelled damages from pan-European winter windstorm event sets: a case study from Zurich, Switzerland. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 279-299.	1.5	13
6	CLIMADA v1.4.1: towards a globally consistent adaptation options appraisal tool. <i>Geoscientific Model Development</i> , 2021, 14, 351-363.	1.3	26
7	A framework for building climate storylines based on downward counterfactuals: The case of the European Union Solidarity fund. <i>Climate Risk Management</i> , 2021, 33, 100349.	1.6	12
8	Global warming and population change both heighten future risk of human displacement due to river floods. <i>Environmental Research Letters</i> , 2021, 16, 044026.	2.2	48
9	Climate signals in river flood damages emerge under sound regional disaggregation. <i>Nature Communications</i> , 2021, 12, 2128.	5.8	26
10	Addressing the human cost in a changing climate. <i>Science</i> , 2021, 372, 1284-1287.	6.0	22
11	Assessing the representational accuracy of data-driven models: The case of the effect of urban green infrastructure on temperature. <i>Environmental Modelling and Software</i> , 2021, 141, 105048.	1.9	5
12	Widening the common space to reduce the gap between climate science and decision-making in industry. <i>Climate Services</i> , 2021, 23, 100237.	1.0	9
13	Double benefit of limiting global warming for tropical cyclone exposure. <i>Nature Climate Change</i> , 2021, 11, 861-866.	8.1	35
14	Intergenerational inequities in exposure to climate extremes. <i>Science</i> , 2021, 374, 158-160.	6.0	148
15	Evaluating targeted heuristics for vulnerability assessment in flood impact model chains. <i>Journal of Flood Risk Management</i> , 2021, 14, e12736.	1.6	5
16	Regional tropical cyclone impact functions for globally consistent risk assessments. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 393-415.	1.5	23
17	Globally consistent assessment of economic impacts of wildfires in CLIMADA v2.2. <i>Geoscientific Model Development</i> , 2021, 14, 7175-7187.	1.3	8
18	Towards operational impact forecasting of building damage from winter windstorms in Switzerland. <i>Meteorological Applications</i> , 2021, 28, e2035.	0.9	6

#	ARTICLE	IF	CITATIONS
19	Projecting Exposure to Extreme Climate Impact Events Across Six Event Categories and Three Spatial Scales. <i>Earth's Future</i> , 2020, 8, e2020EF001616.	2.4	69
20	Impact Forecasting to Support Emergency Management of Natural Hazards. <i>Reviews of Geophysics</i> , 2020, 58, e2020RG000704.	9.0	93
21	Understanding and assessing uncertainty of observational climate datasets for model evaluation using ensembles. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2020, 11, e654.	3.6	23
22	Argument-based assessment of predictive uncertainty of data-driven environmental models. <i>Environmental Modelling and Software</i> , 2020, 134, 104754.	1.9	10
23	Be Prepared: Exploring Future Climate-Related Risk for Residential and Commercial Real Estate Portfolios. <i>Journal of Alternative Investments</i> , 2020, 23, 24-34.	0.3	7
24	Asset exposure data for global physical risk assessment. <i>Earth System Science Data</i> , 2020, 12, 817-833.	3.7	32
25	Customising global climate science for national adaptation: A case study of climate projections in UNFCCC's National Communications. <i>Environmental Science and Policy</i> , 2019, 101, 16-23.	2.4	13
26	CLIMADA v1: a global weather and climate risk assessment platform. <i>Geoscientific Model Development</i> , 2019, 12, 3085-3097.	1.3	64
27	Who is the user of climate services? Unpacking the use of national climate scenarios in Switzerland beyond sectors, numeracy and the research practice binary. <i>Climate Services</i> , 2019, 15, 100113.	1.0	17
28	Applying big data beyond small problems in climate research. <i>Nature Climate Change</i> , 2019, 9, 196-202.	8.1	51
29	Joint knowledge production in climate change adaptation networks. <i>Current Opinion in Environmental Sustainability</i> , 2019, 39, 147-152.	3.1	12
30	Historical weather data for climate risk assessment. <i>Annals of the New York Academy of Sciences</i> , 2019, 1436, 121-137.	1.8	15
31	Projections of future tropical cyclone damage with a high-resolution global climate model. <i>Climatic Change</i> , 2018, 146, 575-585.	1.7	55
32	Effects of Impact-Based Warnings and Behavioral Recommendations for Extreme Weather Events. <i>Weather, Climate, and Society</i> , 2018, 10, 781-796.	0.5	46
33	Comparing the cost effectiveness of nature-based and coastal adaptation: A case study from the Gulf Coast of the United States. <i>PLoS ONE</i> , 2018, 13, e0192132.	1.1	138
34	Future climate risk from compound events. <i>Nature Climate Change</i> , 2018, 8, 469-477.	8.1	1,074
35	A global historical data set of tropical cyclone exposure (TCE-DAT). <i>Earth System Science Data</i> , 2018, 10, 185-194.	3.7	43
36	Natural Assurance Scheme: A level playing field framework for Green-Grey infrastructure development. <i>Environmental Research</i> , 2017, 159, 24-38.	3.7	44

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37	The social and scientific values that shape national climate scenarios: a comparison of the Netherlands, Switzerland and the UK. <i>Regional Environmental Change</i> , 2017, 17, 2325-2338.	1.4	36
38	Shaping Climate Resilient Development: Economics of Climate Adaptation. , 2016, , 241-254.		8
39	Dynamical Downscaling and Loss Modeling for the Reconstruction of Historical Weather Extremes and Their Impacts: A Severe Foehn Storm in 1925. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1233-1241.	1.7	21
40	COASTAL RISKS, NATURE-BASED DEFENSES AND THE ECONOMICS OF ADAPTATION: AN APPLICATION IN THE GULF OF MEXICO, USA. <i>Coastal Engineering Proceedings</i> , 2015, 1, 25.	0.1	23
41	Drought-induced building damages from simulations at regional scale. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 3335-3342.	1.5	33
42	Neue, integrierte Sichtweise zum Umgang mit Klimarisiken und deren Versicherung. <i>Schweizerische Zeitschrift Fur Forstwesen</i> , 2011, 162, 464-468.	0.5	4
43	Modelling European winter wind storm losses in current and future climate. <i>Climatic Change</i> , 2010, 101, 485-514.	1.7	148
44	Improved Estimates of the European Winter Windstorm Climate and the Risk of Reinsurance Loss Using Climate Model Data. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 2092-2120.	0.6	35
45	Simulating past droughts and associated building damages in France. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 1739-1747.	1.9	52
46	Covariation of the Mid-Tropospheric Flow and the Sea Surface Temperature of the North Atlantic: A Statistical Analysis. <i>Theoretical and Applied Climatology</i> , 2000, 65, 197-214.	1.3	6