Gregor C Leckebusch

List of Publications by Year
in descending order

68 papers	4,383 citations	196777 29 h-index	129628 63 g-index
89 all docs	89 docs citations	89 times ranked	5071 citing authors

#	Article	IF	Citations
1	Estimation of wind storm impacts overWestern Germany under future climate conditions using a statisticalâ€“dynamical downscaling approach. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 62, 188.	0.8	63
2	Evaluating decadal predictions of northern hemispheric cyclone frequencies. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 66, 22830.	0.8	20
3	Subantarctic cyclones identified by 14 tracking methods, and their role for moisture transports into the continent. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 70, 1454808.	0.8	43
4	Assessment of mudflow risk in Uzbekistan using CMIP5 models. Weather and Climate Extremes, 2022, 35, 100403.	1.6	1
5	A new view on the risk of typhoon occurrence in the western North Pacific. Natural Hazards and Earth System Sciences, 2021, 21, 663-682.	1.5	9
6	On the Use of Ensemble Predictions for Parametric Typhoon Insurance. Climate, 2021, 9, 174.	1.2	0
7	Objective identification of potentially damaging tropical cyclones over the Western North Pacific. Environmental Research Communications, 2020, 2, 031005.	0.9	7
8	On the Dependency of Atlantic Hurricane and European Windstorm Hazards. Geophysical Research Letters, 2020, 47, .	1.5	7
9	Seasonal forecast skill for extratropical cyclones and windstorms. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 92-104.	1.0	27
10	Past and Projected Weather Pattern Persistence with Associated Multi-Hazards in the British Isles. Atmosphere, 2019, 10, 577.	1.0	7
11	Loss potentials based on an ensemble forecast: How likely are winter windstorm losses similar to 1990?. Atmospheric Science Letters, 2019, 20, e891.	0.8	13
12	Demystifying academics to enhance universityâ€“business collaborations in environmental science. Geoscience Communication, 2019, 2, 1-23.	0.5	8
13	Modelling serial clustering and interâ€annual variability of European winter windstorms based on largeâ€scale drivers. International Journal of Climatology, 2018, 38, 3044-3057.	1.5	20
14	Hazard Footprint-Based Normalization of Economic Losses from Tropical Cyclones in China During 1983â€“2015. International Journal of Disaster Risk Science, 2018, 9, 195-206.	1.3	15
15	The role of synoptic processes in mudflow formation in the piedmont areas of Uzbekistan. Natural Hazards and Earth System Sciences, 2018, 18, 2893-2919.	1.5	5
16	Largeâ€scale Drivers and Seasonal Predictability of Extreme Wind Speeds Over the North Atlantic and Europe. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,518.	1.2	11
17	Quantifying the extremity of windstorms for regions featuring infrequent events. Atmospheric Science Letters, 2017, 18, 315-322.	0.8	5
18	Estimating uncertainties from high resolution simulations of extreme wind storms and consequences for impacts. Meteorologische Zeitschrift, 2016, 25, 531-541.	0.5	14

#	Article	IF	Citations
19	Probabilistic evaluation of decadal prediction skill regarding Northern Hemisphere winter storms. Meteorologische Zeitschrift, 2016, 25, 721-738.	0.5	35
20	An approach to build an event set of European windstorms based on ECMWFÂEPS. Natural Hazards and Earth System Sciences, 2016, 16, 255-268.	1.5	18
21	Meteorology and oceanography of the Atlantic sector of the Southern Oceanâ€”a review of German achievements from the last decade. Ocean Dynamics, 2016, 66, 1379-1413.	0.9	12
22	Different longâ€term trends of extraâ€tropical cyclones and windstorms in <scp>ERAâ€20C</scp> and <scp>NOAAâ€20CR</scp> reanalyses. Atmospheric Science Letters, 2016, 17, 586-595.	0.8	46
23	Intraseasonal variability of the Indian summer monsoon: wet and dry events in COSMO-CLM. Climate Dynamics, 2016, 47, 2635-2651.	1.7	9
24	Net Precipitation of Antarctica: Thermodynamical and Dynamical Parts of the Climate Change Signal. Journal of Climate, 2016, 29, 907-924.	1.2	13
25	Projected Changeâ€”Atmosphere. Regional Climate Studies, 2016, , 149-173.	1.2	4
26	Interactions between apparently â€˜primaryâ€™ weather-driven hazards and their cost. Environmental Research Letters, 2015, 10, 104003.	2.2	22
27	Was the Extreme Storm Season in Winter 2013/14 Over the North Atlantic and the United Kingdom Triggered by Changes in the West Pacific Warm Pool?. Bulletin of the American Meteorological Society, 2015, 96, S29-S34.	1.7	14
28	Identification of storm surge events over the German Bight from atmospheric reanalysis and climate model data. Natural Hazards and Earth System Sciences, 2015, 15, 1437-1447.	1.5	6
29	Climate and socioeconomic influences on interannual variability of cholera in Nigeria. Health and Place, 2015, 34, 107-117.	1.5	38
30	Was the Extreme Storm Season in Winter 2013/14 Over the North Atlantic and the United Kingdom Triggered by Changes in the West Pacific Warm Pool?. Bulletin of the American Meteorological Society, 2015, 96, S29-S34.	1.7	2
31	Mediterranean cyclones and windstorms in a changing climate. Regional Environmental Change, 2014, 14, 1873-1890.	1.4	64
32	The Impact of Climate Change on Meningitis in Northwest Nigeria: An Assessment Using CMIP5 Climate Model Simulations. Weather, Climate, and Society, 2014, 6, 371-379.	0.5	17
33	Climate Influences on Meningitis Incidence in Northwest Nigeria. Weather, Climate, and Society, 2014, 6, 62-76.	0.5	14
34	Decadal windstorm activity in the North Atlantic-European sector and its relationship to the meridional overturning circulation in an ensemble of simulations with a coupled climate model. Climate Dynamics, 2014, 43, 1545-1555.	1.7	8
35	Southern Hemisphere winter cyclone activity under recent and future climate conditions in multiâ€model <scp>AOGCM</scp> simulations. International Journal of Climatology, 2014, 34, 3400-3416.	1.5	34
36	Past and Current Climate Changes in the Mediterranean Region. Advances in Global Change Research, 2013, , 9-51.	1.6	9

#	Article	IF	Citations
37	Future Climate Projections. Advances in Global Change Research, 2013, , 53-118.	1.6	24
38	Projections of global warming-induced impacts on winter storm losses in the German private household sector. Climatic Change, 2013, 121, 195-207.	1.7	23
39	IMILAST: A Community Effort to Intercompare Extratropical Cyclone Detection and Tracking Algorithms. Bulletin of the American Meteorological Society, 2013, 94, 529-547.	1.7	391
40	Vb cyclones and associated rainfall extremes over Central Europe under present day and climate change conditions. Meteorologische Zeitschrift, 2013, 22, 649-660.	0.5	34
41	Are Greenhouse Gas Signals of Northern Hemisphere winter extra-tropical cyclone activity dependent on the identification and tracking algorithm?. Meteorologische Zeitschrift, 2013, 22, 61-68.	0.5	77
42	Climate of the Mediterranean. , 2012, , 301-346.		78
43	Reanalysis suggests long-term upward trends in European storminess since 1871. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	92
44	High-resolution refinement of a storm loss model and estimation of return periods of loss-intensive storms over Germany. Natural Hazards and Earth System Sciences, 2011, 11, 2821-2833.	1.5	50
45	Future changes in European winter storm losses and extreme wind speeds inferred from GCM and RCM multi-model simulations. Natural Hazards and Earth System Sciences, 2011, 11, 1351-1370.	1.5	98
46	The Skill of Seasonal Ensemble Prediction Systems to Forecast Wintertime Windstorm Frequency over the North Atlantic and Europe. Monthly Weather Review, 2011, 139, 3052-3068.	0.5	20
47	Examination of wind storms over Central Europe with respect to circulation weather types and NAO phases. International Journal of Climatology, 2010, 30, 1289-1300.	1.5	79
48	Cyclones causing wind storms in the Mediterranean: characteristics, trends and links to large-scale patterns. Natural Hazards and Earth System Sciences, 2010, 10, 1379-1391.	1.5	109
49	European storminess and associated circulation weather types: future changes deduced from a multi-model ensemble of GCM simulations. Climate Research, 2010, 42, 27-43.	0.4	77
50	Benefits and limitations of regional multi-model ensembles for storm loss estimations. Climate Research, 2010, 44, 211-225.	0.4	29
51	Estimation of wind storm impacts overWestern Germany under future climate conditions using a statisticalÃ¢â‚¬â€œdynamical downscaling approach. Tellus, Series A: Dynamic Meteorology and Oceanography, 2010, , .	0.8	0
52	Extra-tropical cyclones in the present and future climate: a review. Theoretical and Applied Climatology, 2009, 96, 117-131.	1.3	430
53	Factors contributing to the development of extreme North Atlantic cyclones and their relationship with the NAO. Climate Dynamics, 2009, 32, 711-737.	1.7	191
54	Changing Northern Hemisphere Storm Tracks in an Ensemble of IPCC Climate Change Simulations. Journal of Climate, 2008, 21, 1669-1679.	1.2	207

#	Article	IF	Citations
55	Development and application of an objective storm severity measure for the Northeast Atlantic region. Meteorologische Zeitschrift, 2008, 17, 575-587.	0.5	85
56	Extreme wind storms over Europe in present and future climate: a cluster analysis approach. Meteorologische Zeitschrift, 2008, 17, 67-82.	0.5	45
57	Property loss potentials for European midlatitude storms in a changing climate. Geophysical Research Letters, 2007, 34, .	1.5	80
58	Changing European storm loss potentials under modified climate conditions according to ensemble simulations of the ECHAM5/MPI-OM1 GCM. Natural Hazards and Earth System Sciences, 2007, 7, 165-175.	1.5	95
59	Modelling the impact of climate extremes: an overview of the MICE project. Climatic Change, 2007, 81, 163-177.	1.7	58
60	Changes in storm track and cyclone activity in three SRES ensemble experiments with the ECHAM5/MPI-OM1 GCM. Climate Dynamics, 2007, 29, 195-210.	1.7	199
61	Analysis of frequency and intensity of European winter storm events from a multi-model perspective, at synoptic and regional scales. Climate Research, 2006, 31, 59-74.	0.4	110
62	Summer Floods in Central Europe â€“ Climate Change Track?. Natural Hazards, 2005, 36, 165-189.	1.6	186
63	The 2003 European summer heatwaves and drought -synoptic diagnosis and impacts. Weather, 2004, 59, 209-216.	0.6	374
64	On the relationship between cyclones and extreme windstorm events over Europe under climate change. Global and Planetary Change, 2004, 44, 181-193.	1.6	168
65	The central European floods of August 2002: Part 1 â€“ Rainfall periods and flood development. Weather, 2003, 58, 371-377.	0.6	208
66	The central European floods of August 2002: Part 2 -Synoptic causes and considerations with respect to climatic change. Weather, 2003, 58, 434-442.	0.6	108
67	Windstorms, the Most Costly Natural Hazard in Europe. , 0, , 109-120.		13
68	A Causality-guided Statistical Approach for Modeling Extreme Mei-yu Rainfall Based on Known Large-scale Modesâ€”A Pilot Study. Advances in Atmospheric Sciences, 0, , 1.	1.9	0