Hans von Storch

List of Publications by Year
in descending order

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240	15,823	22153	24982
papers	citations	59 h-index	109 g-index

279	279	279	11705
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Spectral Nudging Technique for Dynamical Downscaling Purposes. Monthly Weather Review, 2000, 128, 3664-3673.	1.4	682
2	The Analog Method as a Simple Statistical Downscaling Technique: Comparison with More Complicated Methods. Journal of Climate, 1999, 12, 2474-2489.	3.2	616
3	Downscaling of Global Climate Change Estimates to Regional Scales: An Application to Iberian Rainfall in Wintertime. Journal of Climate, 1993, 6, 1161-1171.	3.2	557
4	Historical Climatology In Europe â€“ The State Of The Art. Climatic Change, 2005, 70, 363-430.	3.6	549
5	On the structure and evolution of ENSO-related climate variability in the tropical Pacific: Lessons from TOGA. Journal of Geophysical Research, 1998, 103, 14241-14259.	3.3	447
6	Attribution of extreme weather and climateâ€related events. Wiley Interdisciplinary Reviews: Climate Change, 2016, 7, 23-41.	8.1	437
7	Taking Serial Correlation into Account in Tests of the Mean. Journal of Climate, 1995, 8, 336-351.	3.2	408
8	Regional Climate Models Add Value to Global Model Data: A Review and Selected Examples. Bulletin of the American Meteorological Society, 2011, 92, 1181-1192.	3.3	397
9	Reconstructing Past Climate from Noisy Data. Science, 2004, 306, 679-682.	12.6	385
10	The Atmospheric Circulation and Sea Surface Temperature in the North Atlantic Area in Winter: Their Interaction and Relevance for Iberian Precipitation. Journal of Climate, 1992, 5, 1097-1108.	3.2	310
11	Detecting Greenhouse-Gas-Induced Climate Change with an Optimal Fingerprint Method. Journal of Climate, 1996, 9, 2281-2306.	3.2	304
12	Misuses of Statistical Analysis in Climate Research. , 1995, , 11-26.		275
13	Misuses of Statistical Analysis in Climate Research. , 1999, , 11-26.		257
14	Changing Waves and Storms in the Northeast Atlantic?. Bulletin of the American Meteorological Society, 1998, 79, 741-760.	3.3	256
15	A review of ENSO prediction studies. Climate Dynamics, 1994, 9, 167-179.	3.8	232
16	Simulationsexperimente zur Wirkung serieller Korrelation auf den Mann-Kendall Trend test. Meteorologische Zeitschrift, 1992, 4, 82-85.	1.0	210
17	On the Use of â€œInflationâ€•in Statistical Downscaling. Journal of Climate, 1999, 12, 3505-3506.	3.2	194
18	Climate change and North Sea storm surge extremes: an ensemble study of storm surge extremes expected in a changed climate projected by four different regional climate models. Ocean Dynamics, 2006, 56, 3-15.	2.2	179

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19	Deep soil temperature as proxy for surface air-temperature in a coupled model simulation of the last thousand years. Geophysical Research Letters, 2003, 30, .	4.0	177
20	Exploring high-end scenarios for local sea level rise to develop flood protection strategies for a low-lying deltaâ€”the Netherlands as an example. Climatic Change, 2011, 109, 617-645.	3.6	166
21	Stochastic Characterization of Regional Circulation Patterns for Climate Model Diagnosis and Estimation of Local Precipitation. Journal of Climate, 1995, 8, 1023-1042.	3.2	148
22	Four decades of gasoline lead emissions and control policies in Europe: a retrospective assessment. Science of the Total Environment, 2003, 311, 151-176.	8.0	140
23	Principal Oscillation Patterns: A Review. Journal of Climate, 1995, 8, 377-400.	3.2	137
24	Title is missing!. Climatic Change, 1997, 37, 345-386.	3.6	128
25	European storminess: late nineteenth century to present. Climate Dynamics, 2008, 31, 125-130.	3.8	128
26	Estimates of climate change in Southern Europe derived from dynamical climate model output. Climate Research, 1996, 7, 129-149.	1.1	124
27	Long-term persistence in climate and the detection problem. Geophysical Research Letters, 2006, 33, .	4.0	119
28	Dynamical downscaling: Assessment of model system dependent retained and added variability for two different regional climate models. Journal of Geophysical Research, 2008, 113, .	3.3	117
29	Observations: Ocean Pages. , 2014, , 255-316.		113
30	Simulation and inversion of borehole temperature profiles in surrogate climates: Spatial distribution and surface coupling. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	112
31	Origin of the South Pacific Convergence Zone. Journal of Climate, 1989, 2, 1185-1195.	3.2	111
32	A long-term climatology of medicanes. Climate Dynamics, 2014, 43, 1183-1195.	3.8	111
33	Northeast Atlantic and North Sea Storminess as Simulated by a Regional Climate Model during 1958â€“2001 and Comparison with Observations. Journal of Climate, 2005, 18, 465-479.	3.2	110
34	Principal oscillation pattern analysis of the 30â€•to 60â€day oscillation in general circulation model equatorial troposphere. Journal of Geophysical Research, 1988, 93, 11022-11036.	3.3	106
35	Multi-decadal atmospheric modeling for Europe yields multi-purpose data. Eos, 2001, 82, 305-305.	0.1	105
36	Scandinavian storminess since about 1800. Geophysical Research Letters, 2004, 31, .	4.0	104

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37	Decreased frequency of North Atlantic polar lows associated with future climate warming. Nature, 2010, 467, 309-312.	27.8	101
38	Regional Meteorologicalâ€“Marine Reanalyses and Climate Change Projections. Bulletin of the American Meteorological Society, 2009, 90, 849-860.	3.3	98
39	Probleme beim Informationstransfer von der Klimaforschung in die Klimawirkungsforschung. Meteorologische Zeitschrift, 1992, 4, 72-80.	1.0	93
40	Between hype and decline: recent trends in public perception of climate change. Environmental Science and Policy, 2012, 18, 3-8.	4.9	92
41	Verification of GCM-Generated Regional Seasonal Precipitation for Current Climate and of Statistical Downscaling Estimates under Changing Climate Conditions. Journal of Climate, 1999, 12, 258-272.	3.2	91
42	Climate evolution in the last five centuries simulated by an atmosphere-ocean model: global temperatures, the North Atlantic Oscillation and the Late Maunder Minimum. Meteorologische Zeitschrift, 2004, 13, 271-289.	1.0	91
43	Storm surges: perspectives and options. Sustainability Science, 2008, 3, 33-43.	4.9	90
44	Changing North Sea storm surge climate: An increasing hazard?. Ocean and Coastal Management, 2012, 68, 58-68.	4.4	89
45	Natural and anthropogenic modes of surface temperature variations in the last thousand years. Geophysical Research Letters, 2005, 32, .	4.0	88
46	Changes in the winter precipitation in Romania and its relation to the large-scale circulation. Tellus, Series A: Dynamic Meteorology and Oceanography, 1996, 48, 538-552.	1.7	87
47	Longâ€term memory in 1000â€year simulated temperature records. Journal of Geophysical Research, 2008, 113, .	3.3	87
48	German Bight storms analysed. Nature, 1993, 365, 791-791.	27.8	85
49	The social construct of climate and climate change. Climate Research, 1995, 5, 99-105.	1.1	83
50	Storm-related sea level variations along the North Sea coast: natural variability and anthropogenic change. Continental Shelf Research, 1999, 19, 821-842.	1.8	81
51	Mediterranean Tropical-Like Cyclones in Present and Future Climate. Journal of Climate, 2014, 27, 7493-7501.	3.2	81
52	Detectable Anthropogenic Shift toward Heavy Precipitation over Eastern China. Journal of Climate, 2017, 30, 1381-1396.	3.2	80
53	Linking GCM-simulated climatic changes to ecosystem models: case studies of statistical downscaling in the Alps. Climate Research, 1994, 4, 167-189.	1.1	80
54	A longâ€term climatology of North Atlantic polar lows. Geophysical Research Letters, 2008, 35, .	4.0	76

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55	Climate Simulation for 125 kyr BP with a Coupled Oceanâ€“Atmosphere General Circulation Model. Journal of Climate, 2000, 13, 1057-1072.	3.2	72
56	A dynamical link between the Arctic and the global climate system. Geophysical Research Letters, 2006, 33, .	4.0	71
57	Predicting the State of the Southern Oscillation Using Principal Oscillation Pattern Analysis. Journal of Climate, 1990, 3, 1316-1329.	3.2	70
58	Modelling the variability of midlatitude storm activity on decadal to century time scales. Climate Dynamics, 2005, 25, 461-476.	3.8	70
59	Is there memory in precipitation?. Nature Climate Change, 2013, 3, 174-175.	18.8	70
60	Estimation of Precipitation by Kriging in the EOF Space of theSea Level Pressure Field. Journal of Climate, 1999, 12, 1070-1085.	3.2	69
61	A Scenario of Storm Surge Statistics for the German Bight at the Expected Time of Doubled Atmospheric Carbon Dioxide Concentration. Journal of Climate, 1997, 10, 2653-2662.	3.2	68
62	Statistical downscaling of monthly mean North Atlantic air-pressure to sea level anomalies in the Baltic Sea. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 48, 312.	1.7	67
63	On the role of statistics in climate research. International Journal of Climatology, 2004, 24, 665-680.	3.5	63
64	A Dynamical Downscaling Case Study for Typhoons in Southeast Asia Using a Regional Climate Model. Monthly Weather Review, 2008, 136, 1806-1815.	1.4	59
65	Modeling the Low-Frequency Sea Surface Temperature Variability in the North Pacific. Journal of Climate, 1992, 5, 893-906.	3.2	58
66	Statistical downscaling of monthly mean North Atlantic air-pressure to sea level anomalies in the Baltic Sea. Tellus, Series A: Dynamic Meteorology and Oceanography, 1996, 48, 312-323.	1.7	58
67	Climate Science: An Empirical Example of Postnormal Science. Bulletin of the American Meteorological Society, 1999, 80, 439-455.	3.3	58
68	Consistency of observed winter precipitation trends in northern Europe with regional climate change projections. Climate Dynamics, 2008, 31, 17-28.	3.8	58
69	Sensitivity of a Regional Atmospheric Model to a Sea Stateâ€“Dependent Roughness and the Need for Ensemble Calculations. Monthly Weather Review, 2000, 128, 3631-3642.	1.4	57
70	The Response of a Coupled Ocean-Atmosphere General Circulation Model to Wind Bursts. Journals of the Atmospheric Sciences, 1988, 45, 964-979.	1.7	56
71	Principal oscillation pattern analysis of the 30- to 60-day oscillation in the tropical troposphere. Climate Dynamics, 1990, 4, 175-190.	3.8	55
72	Climate change in perspective. Nature, 2000, 405, 615-615.	27.8	53

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73	The expectation of future precipitation change over the Mediterranean region is different from what we observe. Climate Dynamics, 2013, 40, 225-244.	3.8	53
74	Interannual variability of seasonal succession events in a temperate lake and its relation to temperature variability. Global Change Biology, 1997, 3, 429-438.	9.5	50
75	The simulation of medicanes in a high-resolution regional climate model. Climate Dynamics, 2012, 39, 2273-2290.	3.8	47
76	Influence of similarity measures on the performance of the analog method for downscaling daily precipitation. Climate Dynamics, 2008, 30, 133-144.	3.8	45
77	Downscaling of GCM scenarios to assess precipitation changes in the little rainy season (March-June) in Cameroon. Climate Research, 2004, 26, 85-96.	1.1	44
78	Usability of Best Track Data in Climate Statistics in the Western North Pacific. Monthly Weather Review, 2012, 140, 2818-2830.	1.4	44
79	Testing ensembles of climate change scenarios for â€œstatistical significanceâ€. Climatic Change, 2013, 117, 1-9.	3.6	44
80	Simulation of ENSO Related Surface Wind Anomalies with an Atmospheric GCM Forced by Observed SST. Journal of Climate, 1990, 3, 509-521.	3.2	43
81	Statistical downscaling of monthly mean air temperature to the beginning of flowering of Galanthus nivalis L. in Northern Germany. International Journal of Biometeorology, 1997, 41, 5-12.	3.0	41
82	Post-Normal Practices Between Regional Climate Services and Local Knowledge. Nature and Culture, 2012, 7, 213-230.	0.5	41
83	The Performance of Four Spectral GCMs in the Southern Hemisphere: The January and July Climatology and the Semiannual Wave. Journal of Climate, 1990, 3, 53-70.	3.2	40
84	Assessment of three temperature reconstruction methods in the virtual reality of a climate simulation. International Journal of Earth Sciences, 2009, 98, 67-82.	1.8	40
85	Marine Climate and Climate Change. , 2010, , .		40
86	Storm surgesâ€”An option for Hamburg, Germany, to mitigate expected future aggravation of risk. Environmental Science and Policy, 2008, 11, 735-742.	4.9	39
87	A Spatial Two-Dimensional Discrete Filter for Limited-Area-Model Evaluation Purposes. Monthly Weather Review, 2005, 133, 1774-1786.	1.4	38
88	A statistical analysis of climate variability and ecosystem response in the German Bight. Ocean Dynamics, 2008, 58, 169-186.	2.2	37
89	Relationship between global mean sea-level and global mean temperature in a climate simulation of the past millennium. Ocean Dynamics, 2008, 58, 227-236.	2.2	36
90	A Description of a 1260-Year Control Integration with the Coupled ECHAM1/LSG General Circulation Model. Journal of Climate, 1997, 10, 1525-1543.	3.2	35

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91	How unusual is the recent series of warm years?. Geophysical Research Letters, 2008, 35, .	4.0	35
92	Statistical Aspects of Estimated Principal Vectors (EOFs) Based on small Sample Sizes. Journal of Climate and Applied Meteorology, 1985, 24, 716-724.	1.0	34
93	Climate research and policy advice: scientific and cultural constructions of knowledge. Environmental Science and Policy, 2009, 12, 741-747.	4.9	34
94	Reconsidering the Quality and Utility of Downscaling. Journal of the Meteorological Society of Japan, 2016, 94A, 31-45.	1.8	34
95	Normal Modes of the Atmosphere as Estimated by Principal Oscillation Patterns and Derived from Quasigeostrophic Theory. Journals of the Atmospheric Sciences, 1993, 50, 2386-2400.	1.7	33
96	Comments on â€œTesting the Fidelity of Methods Used in Proxy-Based Reconstructions of Past Climateâ€• Journal of Climate, 2007, 20, 3693-3698.	3.2	33
97	Tracking Polar Lows in CLM. Meteorologische Zeitschrift, 2008, 17, 445-453.	1.0	32
98	Interannual variability of Central European mean temperature in January-February and its relation to large-scale circulation. Climate Research, 1993, 3, 195-207.	1.1	32
99	Climate mode simulation of North Atlantic polar lows in a limited area model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2008, 60, 620-631.	1.7	30
100	A comparison of two identification and tracking methods for polar lows. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 64, 17196.	1.7	30
101	Assessing changes in extreme sea levels along the coast of C hina. Journal of Geophysical Research: Oceans, 2015, 120, 8039-8051.	2.6	30
102	The Global and Regional Climate System. Zeitschrift FâˆšÂºr EuropâˆšÂ§isches Unternehmens- Und Verbraucherrecht, 1999, , 3-36.	0.2	30
103	Temperatures at the last interglacial simulated by a coupled ocean-atmosphere climate model. Paleoceanography, 1998, 13, 170-177.	3.0	29
104	Coupling an ocean wave model to an atmospheric general circulation model. Climate Dynamics, 1993, 9, 63-69.	3.8	28
105	Computer Modelling in Atmospheric and Oceanic Sciences. , 2004, , .		28
106	Regime-Dependent Autoregressive Time Series Modeling of the Southern Oscillation. Journal of Climate, 1990, 3, 1347-1363.	3.2	27
107	Consistency of observed near surface temperature trends with climate change projections over the Mediterranean region. Climate Dynamics, 2012, 38, 1695-1702.	3.8	27
108	Northern hemisphere atmospheric response to changes of atlantic ocean SST on decadal time scales: a GCM experiment. Climate Dynamics, 1990, 4, 157-174.	3.8	26

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109	Evaluation of an Air Pressureâ€“Based Proxy for Storm Activity. Journal of Climate, 2011, 24, 2612-2619.	3.2	25
110	Optimal Spectral Nudging for Global Dynamic Downscaling. Monthly Weather Review, 2017, 145, 909-927.	1.4	25
111	Tropical Intraseasonal Oscillation Appearing in Operational Analyses and in a Family of General Circulation Models. Journals of the Atmospheric Sciences, 1997, 54, 1185-1202.	1.7	24
112	Economic efficiency of CO2 reduction programs. Climate Research, 1994, 4, 127-141.	1.1	24
113	Recurrence Analysis of Climate Sensitivity Experiments. Journal of Climate, 1988, 1, 157-171.	3.2	22
114	Coastal sea level and the large-scale climate state A downscaling exercise for the Japanese Islands. Tellus, Series A: Dynamic Meteorology and Oceanography, 1995, 47, 132-144.	1.7	21
115	Regional modelling of the western Pacific typhoon season 2004. Meteorologische Zeitschrift, 2008, 17, 519-528.	1.0	21
116	Making coastal research useful â€“ cases from practice. Oceanologia, 2015, 57, 3-16.	2.2	21
117	Simulation of the role of solar and orbital forcing on climate. Advances in Space Research, 2006, 37, 1629-1634.	2.6	20
118	Drivers of the 2013/14 winter floods in the UK. Nature Climate Change, 2015, 5, 490-491.	18.8	19
119	Observed warming over northern South America has an anthropogenic origin. Climate Dynamics, 2018, 51, 1901-1914.	3.8	19
120	Highâ€•resolution wind hindcast over the Bohai Sea and the Yellow Sea in East Asia: Evaluation and wind climatology analysis. Journal of Geophysical Research D: Atmospheres, 2016, 121, 111-129.	3.3	18
121	Coastal sea level and the large-scale climate state A downscaling exercise for the Japanese Islands. Tellus, Series A: Dynamic Meteorology and Oceanography, 1995, 47, 132-144.	1.7	17
122	Comment on â€œHockey sticks, principal components, and spurious significanceâ€•by S. McIntyre and R. McKitrick. Geophysical Research Letters, 2005, 32, .	4.0	17
123	BALTEXâ€”an interdisciplinary research network for the Baltic Sea region. Environmental Research Letters, 2011, 6, 045205.	5.2	17
124	Comment on â€œTrends and low frequency variability of extra-tropical cyclone activity in the ensemble of twentieth century reanalysisâ€•by Xiaolan L. Wang, Y. Feng, G. P. Compo, V. R. Swail, F. W. Zwiers, R. J. Allan, and P. D. Sardeshmukh, Climate Dynamics, 2012. Climate Dynamics, 2014, 42, 1127-1128.	3.8	17
125	Conditional stochastic model for generating daily precipitation time series. Climate Research, 2003, 24, 181-195.	1.1	17
126	Post-Normal Climate Science. Nature and Culture, 2012, 7, 121-132.	0.5	16

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127	Trends and Variability of North Pacific Polar Lows. Advances in Meteorology, 2013, 2013, 1-11.	1.6	16
128	Simultaneous Regional Detection of Landâ€Use Changes and Elevated GHG Levels: The Case of Spring Precipitation in Tropical South America. Geophysical Research Letters, 2018, 45, 6262-6271.	4.0	16
129	Principal oscillation pattern analysis of the tropical 30- to 60-day oscillation. Climate Dynamics, 1991, 6, 1-12.	3.8	15
130	Statistics of â€œSynoptic Circulation Weatherâ€•in the North Sea as Derived from a Multiannual OGCM Simulation. Journal of Physical Oceanography, 2000, 30, 3039-3049.	1.7	15
131	What do accumulation records of single ice cores in Greenland represent?. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	15
132	Anthropogenic climate change: a reason for concern since the 18th century and earlier. Geografiska Annaler, Series A: Physical Geography, 2006, 88, 107-113.	1.5	15
133	Regional reanalysis without local data: Exploiting the downscaling paradigm. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8631-8649.	3.3	14
134	Lowâ€Level Jets Over the Bohai Sea and Yellow Sea: Climatology, Variability, and the Relationship With Regional Atmospheric Circulations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5240-5260.	3.3	14
135	The Southern Oscillation. Part VIII: Model Sensitivity to SST Anomalies in the Tropical and Subtropical Regions of the South Pacific Convergence Zone. Journal of Climate, 1988, 1, 325-331.	3.2	13
136	Modeling North Pacific SST anomalies as a response to anomalous atmospheric forcing. Journal of Marine Systems, 1990, 1, 155-168.	2.1	13
137	Does Spectral Nudging Have an Effect on Dynamical Downscaling Applied in Small Regional Model Domains?. Monthly Weather Review, 2017, 145, 4303-4311.	1.4	13
138	Attitudes of young scholars in Qingdao and Hamburg about climate change and climate policy â€“ The role of culture for the explanation of differences. Advances in Climate Change Research, 2019, 10, 158-164.	5.1	13
139	Strides made in reconstructing past weather and climate. Eos, 2001, 82, 248-248.	0.1	12
140	A validation of the cloud parameterization in the regional model SN-REMO. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	12
141	The Impact of Spectral Nudging on Cloud Simulation with a Regional Atmospheric Model. Journal of Atmospheric and Oceanic Technology, 2006, 23, 815-824.	1.3	12
142	Regional storm climate and related marine hazards in the Northeast Atlantic. , 0, , 54-73.		12
143	Noise in the Climate System â€” Ubiquitous, Constitutive and Concealing. , 2001, , 1179-1194.		12
144	Hurricane Gonzalo and its Extratropical Transition to a Strong European Storm. Bulletin of the American Meteorological Society, 2015, 96, S51-S55.	3.3	11

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145	Testing Reanalyses in Constraining Dynamical Downscaling. Journal of the Meteorological Society of Japan, 2016, 94A, 47-68.	1.8	11
146	An attempt to deconstruct recent climate change in the Baltic Sea basin. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,207.	3.3	11
147	Changes of storm surges in the Bohai Sea derived from a numerical model simulation, 1961â€“2006. Ocean Dynamics, 2016, 66, 1301-1315.	2.2	11
148	The Normative Orientations of Climate Scientists. Science and Engineering Ethics, 2017, 23, 1351-1367.	2.9	11
149	The History of Ideas of Downscalingâ€”From Synoptic Dynamics and Spatial Interpolation. Frontiers in Environmental Science, 2019, 7, .	3.3	11
150	Verification of General Circulation Models Applied to the Hamburg University GCM. Part I: Test of Individual Climate States. Monthly Weather Review, 1983, 111, 1965-1976.	1.4	10
151	Multivariate Recurrence Analysis. Journal of Climate, 1989, 2, 1538-1553.	3.2	10
152	Reassessing past European gasoline lead policies. Eos, 2002, 83, 393.	0.1	10
153	The Informational Value of Pressure-Based Single-Station Proxies for Storm Activity. Journal of Atmospheric and Oceanic Technology, 2012, 29, 569-580.	1.3	10
154	â€œNoiseâ€•in climatologically driven ocean models with different grid resolution. Oceanologia, 2019, 61, 300-307.	2.2	10
155	Limits of reproducibility and hydrodynamic noise in atmospheric regional modelling. Communications Earth & Environment, 2021, 2, .	6.8	10
156	Anthropogenic climate change shown by local wave conditions in the North Sea. Climate Research, 2001, 19, 15-23.	1.1	10
157	Regional climate offices and regional assessment reports needed. Nature Geoscience, 2008, 1, 78-78.	12.9	9
158	Complexity and Extreme Events in Geosciences: An Overview. Geophysical Monograph Series, 2012, , 1-16.	0.1	9
159	Storm Surges: Phenomena, Forecasting and Scenarios of Change. Procedia IUTAM, 2014, 10, 356-362.	1.2	9
160	A study of quasi-millennial extratropical winter cyclone activity over the Southern Hemisphere. Climate Dynamics, 2016, 47, 2121-2138.	3.8	9
161	Regional decision-makers as potential users of Extreme Weather Event Attribution - Case studies from the German Baltic Sea coast and the Greater Paris area. Weather and Climate Extremes, 2017, 18, 1-7.	4.1	9
162	Controlling Lead Concentrations in Human Blood by Regulating the Use of Lead in Gasoline. Ambio, 2004, 33, 126-132.	5.5	8

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163	Quasi-stationarity of centennial Northern Hemisphere midlatitude winter storm tracks. Climate Dynamics, 2013, 41, 901-916.	3.8	8
164	Temporal and spatial statistics of travelling eddy variability in the South China Sea. Ocean Dynamics, 2019, 69, 879-898.	2.2	8
165	Past and future changes in wind, wave, and storm surge climates. , 2010, , 165-203.		8
166	Von der Macht des Klimas: Ist der Klimadeterminismus nur noch Ideengeschichte oder relevanter Faktor gegenwÃrtiger Klimapolitik?. Gaia, 2000, 9, 187-195.	0.7	8
167	Climate models and modeling: an editorial essay. Wiley Interdisciplinary Reviews: Climate Change, 2010, 1, 305-310.	8.1	7
168	Anthropogenic forcing is a plausible explanation for the observed surface specific humidity trends over the Mediterranean area. Geophysical Research Letters, 2012, 39, .	4.0	7
169	Polar Low genesis over the North Pacific under different global warming scenarios. Climate Dynamics, 2014, 43, 3449-3456.	3.8	7
170	German Bight storm activity, 1897â€“2018. International Journal of Climatology, 2021, 41, E2159.	3.5	7
171	Toward a Multi-Decadal Climatology of North Pacific Polar Lows Employing Dynamical Downscaling. Terrestrial, Atmospheric and Oceanic Sciences, 2012, 23, 291.	0.6	6
172	Storminess in northern Italy and the Adriatic Sea reaching back to 1760. Physics and Chemistry of the Earth, 2012, 40-41, 80-85.	2.9	6
173	Atmospherically Forced Regional Ocean Simulations of the South China Sea: Scale Dependency of the Signal-to-Noise Ratio. Journal of Physical Oceanography, 2020, 50, 133-144.	1.7	6
174	The extra-tropical atmospheric response to El NiÃ±o eventsâ€”a multivariate significance analysis. Tellus, Series A: Dynamic Meteorology and Oceanography, 1985, 37, 361-377.	1.7	5
175	The effect of a regional increase in ocean surface roughness on the tropospheric circulation: a GCM experiment. Climate Dynamics, 1993, 8, 277-285.	3.8	5
176	Comment on â€˜Improved global maps and 54-year history of wind-work on ocean inertial motionsâ€™ by M. H. Alford. Geophysical Research Letters, 2003, 30, .	4.0	5
177	Toward downscaling oceanic hydrodynamics â€“ suitability of a high-resolution OGCM for describing regional ocean variability in the South China Sea. Oceanologia, 2017, 59, 166-176.	2.2	5
178	The Challenge of Baltic Sea Level Change. Coastal Research Library, 2017, , 37-54.	0.4	5
179	Models between Academia and Applications. Zeitschrift FâˆšÂºr EuropâˆšÂ§isches Unternehmens- Und Verbraucherrecht, 2001, , 17-33.	0.2	5
180	Construction of consistent ice core accumulation time series from large-scale meteorological data: development and description of a regression model for one North Greenland ice core. Climate Research, 2002, 20, 141-151.	1.1	5

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181	Reconstructing late Holocene climate. Eos, 2001, 82, 553-553.	0.1	4
182	Detection and Attribution. Advances in Global Change Research, 2013, , 157-186.	1.6	4
183	Storm Surge Case Studies. , 2015, , 181-196.		4
184	Anpassung und Vermeidung oder von der Illusion der Differenz. Gaia, 2008, 17, 270-273.	0.7	4
185	Visiting artist researchers as therapists for climate scientists. Journal of Science Communication, 2015, 14, C05.	0.8	4
186	Construction of a surface air temperature series for Qingdao in China for the period 1899 to 2014. Earth System Science Data, 2018, 10, 643-652.	9.9	4
187	Sustainable Climate Science. , 2012, , 201-209.		4
188	Against politicization of science. Poiesis & Praxis, 2010, 7, 211-219.	0.3	3
189	The Physical Sciences and Climate Politics. , 2011, , .		3
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