Henning W Rust

List of Publications by Year
in descending order

41	2,370	430874	289244
papers	citations	18	40
		h-index	g-index

57	57	57	3222
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluating decadal predictions of northern hemispheric cyclone frequencies. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 66, 22830.	1.7	20
2	Introduction to Freva â€" A Free Evaluation System Framework for Earth System Modeling. Journal of Open Research Software, 2021, 9, 13.	5.9	11
3	Present and future diurnal hourly precipitation in 0.11Â° EURO-CORDEX models and at convection-permitting resolution. Environmental Research Communications, 2021, 3, 055002.	2.3	12
4	Recalibrating decadal climate predictions â€" what is an adequate model for the drift?. Geoscientific Model Development, 2021, 14, 4335-4355.	3.6	5
5	Modeling seasonal variations of extreme rainfall on different timescales in Germany. Hydrology and Earth System Sciences, 2021, 25, 6133-6149.	4.9	7
6	Flexible and consistent quantile estimation for intensityâ€"durationâ€"frequency curves. Hydrology and Earth System Sciences, 2021, 25, 6479-6494.	4.9	12
7	Estimating IDF Curves Consistently over Durations with Spatial Covariates. Water (Switzerland), 2020, 12, 3119.	2.7	18
8	Evaluating the Performance of a Max-Stable Process for Estimating Intensity-Duration-Frequency Curves. Water (Switzerland), 2020, 12, 3314.	2.7	10
9	Subhourly rainfall in a convection-permitting model. Environmental Research Letters, 2020, 15, 034031.	5.2	17
10	Implications of Winter NAO Flavors on Present and Future European Climate. Climate, 2020, 8, 13.	2.8	28
11	The Diurnal Nature of Future Extreme Precipitation Intensification. Geophysical Research Letters, 2019, 46, 7680-7689.	4.0	25
12	Decadal predictability of temperature and precipitation means and extremes in a perfect-model experiment. Climate Dynamics, 2019, 53, 3711-3729.	3.8	5
13	From metastable to coherent setsâ€" Time-discretization schemes. Chaos, 2019, 29, 012101.	2.5	8
14	A spatial and seasonal climatology of extreme precipitation return-levels: A case study. Spatial Statistics, 2019, 34, 100275.	1.9	10
15	Seasonal Cycle in German Daily Precipitation Extremes. Meteorologische Zeitschrift, 2018, 27, 3-13.	1.0	10
16	A classification algorithm for selective dynamical downscaling of precipitation extremes. Hydrology and Earth System Sciences, 2018, 22, 4183-4200.	4.9	11
17	A multi-model comparison of meteorological drivers of surface ozone over Europe. Atmospheric Chemistry and Physics, 2018, 18, 12269-12288.	4.9	42
18	Are we using the right fuel to drive hydrological models? A climate impact study in the Upper Blue Nile. Hydrology and Earth System Sciences, 2018, 22, 2163-2185.	4.9	30

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19	Parametric decadal climate forecast recalibration (DeFoReSt 1.0). Geoscientific Model Development, 2018, 11, 351-368.	3.6	19
20	Quantifying the extremity of windstorms for regions featuring infrequent events. Atmospheric Science Letters, 2017, 18, 315-322.	1.9	5
21	Precipitation extremes on multiple timescales â€" Bartlettâ€"Lewis rectangular pulse model and intensityâ€"durationâ€"frequency curves. Hydrology and Earth System Sciences, 2017, 21, 6501-6517.	4.9	19
22	Probabilistic evaluation of decadal prediction skill regarding Northern Hemisphere winter storms. Meteorologische Zeitschrift, 2016, 25, 721-738.	1.0	35
23	Representation of the Antarctic Oscillation and related precipitation patterns in the MPI Earth System Model. Meteorologische Zeitschrift, 2016, 25, 767-774.	1.0	1
24	Synoptic and meteorological drivers of extreme ozone concentrations over Europe. Environmental Research Letters, 2016, 11, 024005.	5.2	116
25	MiKlip: A National Research Project on Decadal Climate Prediction. Bulletin of the American Meteorological Society, 2016, 97, 2379-2394.	3.3	78
26	Evaluation of forecasts by accuracy and spread in the MiKlip decadal climate prediction system. Meteorologische Zeitschrift, 2016, 25, 631-643.	1.0	24
27	Discontinuous Daily Temperatures in the WATCH Forcing Datasets. Journal of Hydrometeorology, 2015, 16, 465-472.	1.9	13
28	Linking teleconnection patterns to European temperatureÂ â€" aÂ multiple linear regression model. Meteorologische Zeitschrift, 2015, 24, 411-423.	1.0	38
29	Mapping Weather-Type Influence on Senegal Precipitation Based on a Spatialâ€"Temporal Statistical Model*. Journal of Climate, 2013, 26, 8189-8209.	3.2	17
30	The influence of synoptic airflow on UK daily precipitation extremes. Part II: regional climate model and E-OBS data validation. Climate Dynamics, 2012, 39, 287-301.	3.8	35
31	Preface "Extreme Events: Nonlinear Dynamics and Time Series Analysis". Nonlinear Processes in Geophysics, 2011, 18, 895-897.	1.3	3
32	Extreme events: dynamics, statistics and prediction. Nonlinear Processes in Geophysics, 2011, 18, 295-350.	1.3	197
33	The influence of synoptic airflow on UK daily precipitation extremes. Part I: Observed spatio-temporal relationships. Climate Dynamics, 2011, 36, 261-275.	3.8	51
34	Confidence Intervals for Flood Return Level Estimates Assuming Long-Range Dependence. , 2011, , 60-88.		5
35	Synoptic airflow and UK daily precipitation extremes. Extremes, 2010, 13, 133-153.	1.0	42
36	Statistical issues about solarâ€"climate relations. Climate of the Past, 2010, 6, 565-573.	3.4	12

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37	Quantifying Differences in Circulation Patterns Based on Probabilistic Models: IPCC AR4 Multimodel Comparison for the North Atlantic*. Journal of Climate, 2010, 23, 6573-6589.	3.2	24
38	Precipitation downscaling under climate change: Recent developments to bridge the gap between dynamical models and the end user. Reviews of Geophysics, 2010, 48, .	23.0	1,256
39	The effect of long-range dependence on modelling extremes with the generalised extreme value distribution. European Physical Journal: Special Topics, 2009, 174, 91-97.	2.6	14
40	Modelling seasonality in extreme precipitation. European Physical Journal: Special Topics, 2009, 174, 99-111.	2.6	43
41	Fewer jumps, less memory: Homogenized temperature records and long memory. Journal of Geophysical Research, 2008, 113, .	3.3	28