Andreas Hense

List of Publications by Year
in descending order

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65	2,867	304743	175258
papers	citations	22 h-index	52 g-index

79	79	79	3748
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Generation and transfer of internal variability in a regional climate model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 65, 22485.	1.7	7
2	Towards a probabilistic regional reanalysis system for Europe: evaluation of precipitation from experiments. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 68, 32209.	1.7	20
3	Human-existence probability of the Aurignacian techno-complex under extreme climate conditions. Quaternary Science Reviews, 2021, 263, 106995.	3.0	10
4	The added value of high resolution regional reanalyses for wind power applications. Renewable Energy, 2020, 148, 1094-1109.	8.9	33
5	Al-Ansab and the Dead Sea: Mid-MIS 3 archaeology and environment of the early Ahmarian population of the Levantine corridor. PLoS ONE, 2020, 15, e0239968.	2.5	13
6	Comparing forecast systems with multiple correlation decomposition based on partial correlation. Advances in Statistical Climatology, Meteorology and Oceanography, 2020, 6, 103-113.	0.9	2
7	Combining a pollen and macrofossil synthesis with climate simulations for spatial reconstructions of European climate using Bayesian filtering. Climate of the Past, 2019, 15, 1275-1301.	3.4	10
8	A new Dead Sea pollen record reveals the last glacial paleoenvironment of the southern Levant. Quaternary Science Reviews, 2019, 214, 98-116.	3.0	38
9	Initialization and Ensemble Generation for Decadal Climate Predictions: A Comparison of Different Methods. Journal of Advances in Modeling Earth Systems, 2019, 11, 149-172.	3.8	28
10	Bias correction of a novel European reanalysis data set for solar energy applications. Solar Energy, 2018, 164, 12-24.	6.1	60
11	Skill assessment of different ensemble generation schemes for retrospective predictions of surface freshwater fluxes on inter and multi-annual timescales. Meteorologische Zeitschrift, 2018, 27, 111-124.	1.0	3
12	Anomaly transform methods based on total energy and ocean heat content norms for generating ocean dynamic disturbances for ensemble climate forecasts. Climate Dynamics, 2017, 49, 731-751.	3.8	7
13	Coherent evolution of potential vorticity anomalies associated with deep moist convection. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 1254-1267.	2.7	12
14	Evaluation of the Water Cycle in the European COSMO-REA6 Reanalysis Using GRACE. Water (Switzerland), 2017, 9, 289.	2.7	13
15	A novel convective-scale regional reanalysis COSMO-REA2: Improving the representation of precipitation. Meteorologische Zeitschrift, 2017, 26, 345-361.	1.0	60
16	Revealing skill of the MiKlip decadal prediction system by three-dimensional probabilistic evaluation. Meteorologische Zeitschrift, 2016, 25, 657-671.	1.0	9
17	Applying Least Absolute Shrinkage Selection Operator and Akaike Information Criterion Analysis to Find the Best Multiple Linear Regression Models between Climate Indices and Components of Cowâ€™s Milk. Foods, 2016, 5, 52.	4.3	10
18	Studying the influence of groundwater representations on land surfaceâ€atmosphere feedbacks during the European heat wave in 2003. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,301.	3.3	74

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19	Cluster analysis of European surface ozone observations for evaluation of MACC reanalysis data. Atmospheric Chemistry and Physics, 2016, 16, 6863-6881.	4.9	31
20	Development of an effective and potentially scalable weather generator for temperature and growing degree days. Theoretical and Applied Climatology, 2016, 124, 1167-1186.	2.8	6
21	Towards a highâ€resolution regional reanalysis for the European CORDEX domain. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 1-15.	2.7	184
22	Organisation of potential vorticity on the mesoscale during deep moist convection. Tellus, Series A: Dynamic Meteorology and Oceanography, 2015, 67, 25705.	1.7	15
23	A Pilot Investigation of the Relationship between Climate Variability and Milk Compounds under the Bootstrap Technique. Foods, 2015, 4, 420-439.	4.3	7
24	A Survey of the Relationship between Climatic Heat Stress Indices and Fundamental Milk Components Considering Uncertainty. Climate, 2015, 3, 876-900.	2.8	4
25	Multivariate Probabilistic Analysis and Predictability of Medium-Range Ensemble Weather Forecasts. Monthly Weather Review, 2014, 142, 4074-4090.	1.4	17
26	Bayesian Model Verification of NWP Ensemble Forecasts. Monthly Weather Review, 2013, 141, 375-387.	1.4	22
27	Holocene climate variability in the Levant from the Dead Sea pollen record. Quaternary Science Reviews, 2012, 49, 95-105.	3.0	149
28	Reconstruction of late Glacial and Early Holocene near surface temperature anomalies in Europe and their statistical interpretation. Quaternary International, 2012, 274, 233-250.	1.5	8
29	A new non-Gaussian evaluation method for ensemble forecasts based on analysis rank histograms. Meteorologische Zeitschrift, 2011, 20, 107-117.	1.0	17
30	Probabilistic assessment of regional climate change in Southwest Germany by ensemble dressing. Climate Dynamics, 2011, 36, 2003-2014.	3.8	23
31	How dynamical models can learn from the dataâ€"an example with a simplified ENSO model. Theoretical and Applied Climatology, 2011, 104, 221-231.	2.8	3
32	Comments on: On the weather history of North Greenland, west coast by Julius Hann. Meteorologische Zeitschrift, 2010, 19, 207-211.	1.0	2
33	Effects of land cover change on the tropical circulation in a GCM. Climate Dynamics, 2010, 35, 635-649.	3.8	10
34	Clouds, Wind and Precipitation. German Research, 2010, 32, 17-21.	0.0	0
35	On the Orthogonalization of Bred Vectors. Weather and Forecasting, 2010, 25, 1219-1234.	1.4	12
36	Wolken, Wind und Niederschlag. Forschung, 2009, 34, 13-17.	0.0	1

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37	Reconstruction of Quaternary temperature fields by dynamically consistent smoothing. Climate Dynamics, 2008, 30, 421-437.	3.8	15
38	Uncertainties in climate change prediction: El NiÃ±o-Southern Oscillation and monsoons. Global and Planetary Change, 2008, 60, 265-288.	3.5	55
39	RESEARCH CAMPAIGN: The Convective and Orographically Induced Precipitation Study. Bulletin of the American Meteorological Society, 2008, 89, 1477-1486.	3.3	194
40	The Regional Climate Model COSMO-CLM (CCLM). Meteorologische Zeitschrift, 2008, 17, 347-348.	1.0	811
41	Towards a GME ensemble forecasting system: Ensemble initialization using the breeding technique. Meteorologische Zeitschrift, 2008, 17, 707-718.	1.0	10
42	Eemian and Early Weichselian temperature and precipitation variability in northern Germany. Quaternary Science Reviews, 2007, 26, 3311-3317.	3.0	77
43	Holocene vegetation and climate history of the northern Golan heights (Near East). Vegetation History and Archaeobotany, 2007, 16, 329-346.	2.1	98
44	A Bayesian approach to climate model evaluation and multi-model averaging with an application to global mean surface temperatures from IPCC AR4 coupled climate models. Geophysical Research Letters, 2006, 33, .	4.0	82
45	Improving Seasonal Forecasting in the Low Latitudes. Monthly Weather Review, 2006, 134, 1859-1879.	1.4	20
46	New aspects of geophysical fluid dynamics. Meteorologische Zeitschrift, 2006, 15, 387-388.	1.0	0
47	On the linear response of tropical African climate to SST changes deduced from regional climate model simulations. Theoretical and Applied Climatology, 2006, 83, 1-19.	2.8	20
48	Regional-scale climate change detection using a Bayesian decision method. Geophysical Research Letters, 2005, 32, .	4.0	14
49	SST versus Climate Change Signals in West African Rainfall: 20th-Century Variations and Future Projections. Climatic Change, 2004, 65, 179-208.	3.6	73
50	A model intercomparison study of climate change-signals in extratropical circulation. International Journal of Climatology, 2004, 24, 643-662.	3.5	58
51	A Bayesian decision method for climate change signal analysis. Meteorologische Zeitschrift, 2004, 13, 421-436.	1.0	29
52	Multi-Scale Processes and the Reconstruction of Palaeoclimate. , 2003, , 325-336.		2
53	Statistical Inference in Canonical Correlation Analyses Exemplified by the Influence of North Atlantic SST on European Climate. Journal of Climate, 2003, 16, 522-534.	3.2	18
54	Seasonal forecast of sub-sahelian rainfall using cross validated model output statistics. Meteorologische Zeitschrift, 2003, 12, 157-173.	1.0	21

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55	Spatial modelling of phenological observations to analyse their interannual variations in Germany. Agricultural and Forest Meteorology, 2002, 112, 161-178.	4.8	13
56	Digitization and geo-referencing of botanical distribution maps. Journal of Biogeography, 2002, 29, 851-856.	3.0	17
57	Probability Density Functions as Botanical-Climatological Transfer Functions for Climate Reconstruction. Quaternary Research, 2002, 58, 381-392.	1.7	98
58	The North Atlantic Oscillation as an indicator for greenhouse-gas induced regional climate change. Climate Dynamics, 1999, 15, 953-960.	3.8	129
59	Statistical analysis of tropical climate anomaly simulations. Climate Dynamics, 1995, 11, 178-192.	3.8	10
60	Climate anomalies north of 55 Â°N associated with tropical climate extremes. International Journal of Climatology, 1994, 14, 829-842.	3.5	9
61	Die Rekonstruktion einer Reihe Ã¼ber die Anzahl extrem tiefer Druckereignisse seit 1880. Meteorologische Zeitschrift, 1994, 3, 43-46.	1.0	23
62	ECMWF versus Hellermann & Rosenstein stress climatology of the Southern Ocean. Antarctic Science, 1992, 4, 111-117.	0.9	6
63	The effect of an arctic polynya on the Northern Hemisphere mean circulation and eddy regime: a numerical experiment. Climate Dynamics, 1992, 7, 155-163.	3.8	13
64	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
65	Multivariate statistical investigations of the northern hemisphere circulation during the El NiÃ±o event 1982/83. Tellus, Series A: Dynamic Meteorology and Oceanography, 1986, 38A, 189-204.	1.7	6