

# Frank Kaspar

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

4,374  
citations

331538

21  
h-index

243529

44  
g-index

73  
all docs

73  
docs citations

73  
times ranked

6170  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface wind over Europe: Data and variability. <i>International Journal of Climatology</i> , 2023, 43, 134-156.	1.5	2
2	Contributions to the Improvement of Climate Data Availability and Quality for Sub-Saharan Africa. <i>Frontiers in Climate</i> , 2022, 3, .	1.3	5
3	Climatological analysis of solar and wind energy in Germany using the Grosswetterlagen classification. <i>Renewable Energy</i> , 2021, 164, 1254-1266.	4.3	47
4	Analyzing the impact of automatization using parallel daily mean temperature series including breakpoint detection and homogenization. <i>International Journal of Climatology</i> , 2020, 40, 6544-6559.	1.5	2
5	Added value of regional reanalyses for climatological applications. <i>Environmental Research Communications</i> , 2019, 1, 071004.	0.9	35
6	Evaluating renewable-energy-relevant parameters of COSMO-REA6 by comparison with satellite data, station observations and other reanalyses. <i>Meteorologische Zeitschrift</i> , 2019, 28, 347-360.	0.5	14
7	Pan European Phenological database (PEP725): a single point of access for European data. <i>International Journal of Biometeorology</i> , 2018, 62, 1109-1113.	1.3	146
8	Evaluation of global horizontal irradiance estimates from ERA5 and COSMO-REA6 reanalyses using ground and satellite-based data. <i>Solar Energy</i> , 2018, 164, 339-354.	2.9	245
9	An Overview of European Efforts in Generating Climate Data Records. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 349-359.	1.7	26
10	Editorial: Special issue on the "10. Deutsche Klimatagung" (10th German Climate Conference), 21.-24. September 2015, Hamburg. <i>Meteorologische Zeitschrift</i> , 2018, 27, 87-88.	0.5	0
11	Cooperation of meteorological services within SASSCAL on improving the management of observed climate data. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2018, 6, 22-29.	0.2	3
12	SASSCAL WeatherNet: present state, challenges, and achievements of the regional climatic observation network and database. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2018, 6, 34-43.	0.2	11
13	Worldwide Survey of Awareness and Needs Concerning Reanalyses and Respondents Views on Climate Services. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1461-1473.	1.7	23
14	MiKlip: A National Research Project on Decadal Climate Prediction. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 2379-2394.	1.7	78
15	What are the impacts on the 5th IPCC Report for West Africa?. , 2016, , 7-23.		18
16	Verification and process oriented validation of the MiKlip decadal prediction system. <i>Meteorologische Zeitschrift</i> , 2016, 25, 629-630.	0.5	3
17	Analysis of current validation practices in Europe for space-based climate data records of essential climate variables. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 42, 150-161.	1.4	35
18	The SASSCAL contribution to climate observation, climate data management and data rescue in Southern Africa. <i>Advances in Science and Research</i> , 2015, 12, 171-177.	1.0	22

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19	Comparison of regional and global reanalysis near-surface winds with station observations over Germany. <i>Advances in Science and Research</i> , 2015, 12, 187-198.	1.0	39
20	Methodologies to characterize uncertainties in regional reanalyses. <i>Advances in Science and Research</i> , 2015, 12, 207-218.	1.0	15
21	Data rescue of national and international meteorological observations at Deutscher Wetterdienst. <i>Advances in Science and Research</i> , 2015, 12, 57-61.	1.0	23
22	User awareness concerning feedback data and input observations used in reanalysis systems. <i>Advances in Science and Research</i> , 2015, 12, 63-67.	1.0	9
23	An overview of the phenological observation network and the phenological database of Germany's national meteorological service (Deutscher Wetterdienst). <i>Advances in Science and Research</i> , 2014, 11, 93-99.	1.0	50
24	A regional climate model study of the impact of tectonic and orbital forcing on African precipitation and vegetation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 369, 154-162.	1.0	35
25	CLARA-A1: a cloud, albedo, and radiation dataset from 28 yr of global AVHRR data. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5351-5367.	1.9	122
26	CLARA-SAL: a global 28 yr timeseries of Earth's black-sky surface albedo. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3743-3762.	1.9	146
27	Importance of precipitation seasonality for the interpretation of Eemian ice core isotope records from Greenland. <i>Climate of the Past</i> , 2013, 9, 1589-1600.	1.3	10
28	Monitoring of climate change in Germany – data, products and services of Germany's National Climate Data Centre. <i>Advances in Science and Research</i> , 2013, 10, 99-106.	1.0	72
29	Comparison of 20th century and pre-industrial climate over South America in regional model simulations. <i>Climate of the Past</i> , 2012, 8, 1599-1620.	1.3	6
30	Significant contribution of insolation to Eemian melting of the Greenland ice sheet. <i>Nature Geoscience</i> , 2011, 4, 679-683.	5.4	94
31	Impacts of tectonic and orbital forcing on East African climate: a comparison based on global climate model simulations. <i>International Journal of Earth Sciences</i> , 2010, 99, 1677-1686.	0.9	11
32	Operational generation of AVHRR-based cloud products for Europe and the Arctic at EUMETSAT's Satellite Application Facility on Climate Monitoring (CM-SAF). <i>Advances in Science and Research</i> , 2009, 3, 45-51.	1.0	5
33	Simulation of East African precipitation patterns with the regional climate model CLM. <i>Meteorologische Zeitschrift</i> , 2008, 17, 511-517.	0.5	22
34	40. Chronology and climate forcing of the last four interglacials. <i>Developments in Quaternary Sciences</i> , 2007, 7, 597-614.	0.1	2
35	33. Simulations of the Eemian interglacial and the subsequent glacial inception with a coupled ocean-atmosphere general circulation model. <i>Developments in Quaternary Sciences</i> , 2007, , 499-515.	0.1	15
36	Simulation of the Eemian interglacial and possible mechanisms for the glacial inception. , 2007, , .		2

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37	2. Insolation during interglacial. <i>Developments in Quaternary Sciences</i> , 2007, 7, 13-27.	0.1	13
38	Northern hemisphere winter storm tracks of the Eemian interglacial and the last glacial inception. <i>Climate of the Past</i> , 2007, 3, 181-192.	1.3	39
39	Simulation of the role of solar and orbital forcing on climate. <i>Advances in Space Research</i> , 2006, 37, 1629-1634.	1.2	20
40	Estimating the Impact of Global Change on Flood and Drought Risks in Europe: A Continental, Integrated Analysis. <i>Climatic Change</i> , 2006, 75, 273-299.	1.7	670
41	Simulated Relationships between Regional Temperatures and Large-Scale Circulation: 125 kyr BP (Eemian) and the Preindustrial Period. <i>Journal of Climate</i> , 2005, 18, 4032-4045.	1.2	22
42	A model-data comparison of European temperatures in the Eemian interglacial. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	119
43	Climate Impact Response Functions as Impact Tools in the Tolerable Windows Approach. <i>Climatic Change</i> , 2003, 56, 91-117.	1.7	30
44	A global hydrological model for deriving water availability indicators: model tuning and validation. <i>Journal of Hydrology</i> , 2003, 270, 105-134.	2.3	911
45	Global estimates of water withdrawals and availability under current and future "business-as-usual" conditions. <i>Hydrological Sciences Journal</i> , 2003, 48, 339-348.	1.2	353
46	Development and testing of the WaterGAP 2 global model of water use and availability. <i>Hydrological Sciences Journal</i> , 2003, 48, 317-337.	1.2	663
47	The GLASS model: a strategy for quantifying global environmental security. <i>Environmental Science and Policy</i> , 2001, 4, 1-12.	2.4	16
48	Wind speed variability between 10 and 116 m height from the regional reanalysis COSMO-REA6 compared to wind mast measurements over Northern Germany and the Netherlands. <i>Advances in Science and Research</i> , 0, 13, 151-161.	1.0	27
49	Climate reference stations in Germany: Status, parallel measurements and homogeneity of temperature time series. <i>Advances in Science and Research</i> , 0, 13, 163-171.	1.0	9
50	Improving the climate data management in the meteorological service of Angola: experience from SASSCAL. <i>Advances in Science and Research</i> , 0, 13, 97-105.	1.0	4
51	Evaluation of gridding procedures for air temperature over Southern Africa. <i>Advances in Science and Research</i> , 0, 14, 163-173.	1.0	2
52	A climatological assessment of balancing effects and shortfall risks of photovoltaics and wind energy in Germany and Europe. <i>Advances in Science and Research</i> , 0, 16, 119-128.	1.0	15
53	Comparison of manual and automatic daily sunshine duration measurements at German climate reference stations. <i>Advances in Science and Research</i> , 0, 16, 175-183.	1.0	7
54	Interactive open access to climate observations from Germany. <i>Advances in Science and Research</i> , 0, 16, 75-83.	1.0	5

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55	Regional atmospheric reanalysis activities at Deutscher Wetterdienst: review of evaluation results and application examples with a focus on renewable energy. <i>Advances in Science and Research</i> , 0, 17, 115-128.	1.0	26
56	FAIR: a project to realize a user-friendly exchange of open weather data. <i>Advances in Science and Research</i> , 0, 17, 183-190.	1.0	3