

Towards a more reliable historical reanalysis: Improved Twentieth Century Reanalysis system

Quarterly Journal of the Royal Meteorological Society

145, 2876-2908

DOI: [10.1002/qj.3598](https://doi.org/10.1002/qj.3598)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Geo-locate project: a novel approach to resolving meteorological station location issues with the assistance of undergraduate students. <i>Geoscience Communication</i> , 2019, 2, 157-171.	0.5	1
2	Hourly weather observations from the Scottish Highlands (1883–1904) rescued by volunteer citizen scientists. <i>Geoscience Data Journal</i> , 2019, 6, 160-173.	1.8	34
3	The Spatio-temporal Variation of Pacific Blocking Frequency within Winter Months and Its Relationship with Surface Air Temperature. <i>Atmosphere</i> , 2020, 11, 960.	1.0	1
4	Formation, structure and climatic significance of blue rings and frost rings in high elevation bristlecone pine (<i>Pinus longaeva</i> D.K. Bailey). <i>Quaternary Science Reviews</i> , 2020, 244, 106516.	1.4	10
5	Modes of climate variability: Synthesis and review of proxy-based reconstructions through the Holocene. <i>Earth-Science Reviews</i> , 2020, 209, 103286.	4.0	41
6	Four-dimensional structure and sub-seasonal regulation of the Indian summer monsoon multi-decadal mode. <i>Climate Dynamics</i> , 2020, 55, 2645-2666.	1.7	20
7	Poleward Excursions by the Himalayan Subtropical Jet Over the Past Four Centuries. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089631.	1.5	7
8	The Climatological Context of Trends in the Onset of Northern Hemisphere Seasonal Snow Cover, 1972–2017. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032367.	1.2	2
9	Refining projected multidecadal hydroclimate uncertainty in East-Central Europe using CMIP5 and single-model large ensemble simulations. <i>Theoretical and Applied Climatology</i> , 2020, 142, 1147-1167.	1.3	7
10	Exploring the long-term changes in the Madden Julian Oscillation using machine learning. <i>Scientific Reports</i> , 2020, 10, 18567.	1.6	22
11	A Long-Term, 1-km Resolution Daily Meteorological Dataset for Modeling and Mapping Permafrost in Canada. <i>Atmosphere</i> , 2020, 11, 1363.	1.0	2
12	On the curious case of the recent decade, mid-spring precipitation deficit in central Europe. <i>Npj Climate and Atmospheric Science</i> , 2020, 3, .	2.6	51
13	Tide gauge data archaeology provides natural subsidence rates along the coasts of the Po Plain and of the Veneto-Friuli Plain, Italy. <i>Geophysical Journal International</i> , 2020, , .	1.0	1
14	I2-RED: A Massive Update and Quality Control of the Italian Annual Extreme Rainfall Dataset. <i>Water (Switzerland)</i> , 2020, 12, 3308.	1.2	8
15	Progress towards a holistic land and marine surface meteorological database and a call for additional contributions. <i>Geoscience Data Journal</i> , 2021, 8, 103-120.	1.8	12
16	Distinguishing Variability Regimes of Hawaiian Summer Rainfall: Quasi-biennial and Interdecadal Oscillations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL091260.	1.5	4
17	Key problems in early wine-spirit thermometers and the true thermometer. <i>Climatic Change</i> , 2020, 163, 1083-1102.	1.7	5
18	Dissimilar characteristics associated with the 1976/1977 and 1998/1999 climate regime shifts in the North Pacific. <i>Theoretical and Applied Climatology</i> , 2020, 142, 1463-1470.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Facility for Weather and Climate Assessments (FACTS): A Community Resource for Assessing Weather and Climate Variability. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1214-E1224.	1.7	24
20	Digitizing observations from the Met Office Daily Weather Reports for 1900-1910 using citizen scientist volunteers. <i>Geoscience Data Journal</i> , 2020, 7, 116-134.	1.8	16
21	A historical perspective on Australian temperature extremes. <i>Climate Dynamics</i> , 2020, 55, 843-868.	1.7	11
22	Regional differentiation in climate change induced drought trends in the Netherlands. <i>Environmental Research Letters</i> , 2020, 15, 094081.	2.2	37
23	Human influence on joint changes in temperature, rainfall and continental aridity. <i>Nature Climate Change</i> , 2020, 10, 726-731.	8.1	75
24	The forgotten drought of 1765-1768: Reconstructing and re-evaluating historical droughts in the British and Irish Isles. <i>International Journal of Climatology</i> , 2020, 40, 5329-5351.	1.5	19
25	Magnitudes and Spatial Patterns of Interdecadal Temperature Variability in CMIP6. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086588.	1.5	42
26	Simulated and reconstructed atmospheric variability and their relation with large Pre-industrial summer floods in the Hasli-Aare catchment (Swiss Alps) since 1300 CE. <i>Global and Planetary Change</i> , 2020, 190, 103191.	1.6	6
27	Enriching the historical meteorological information using Romanian language newspaper reports: A database from 1880 to 1900. <i>International Journal of Climatology</i> , 2021, 41, E548.	1.5	6
28	Interannual to millennial-scale variability of River Ammer floods and its relationship with solar forcing. <i>International Journal of Climatology</i> , 2021, 41, E644.	1.5	3
29	Dynamics of meteorological time series on the base of ground measurements and retrospective data from MERRA-2 for Poland. <i>International Journal of Climatology</i> , 2021, 41, E1531.	1.5	2
30	An assessment of early 20th century Antarctic pressure reconstructions using historical observations. <i>International Journal of Climatology</i> , 2021, 41, E672.	1.5	2
31	Vegetation-heatwave correlations and contrasting energy exchange responses of different vegetation types to summer heatwaves in the Northern Hemisphere during the 1982-2011 period. <i>Agricultural and Forest Meteorology</i> , 2021, 296, 108208.	1.9	16
32	Large Sensitivity of Simulated Indian Summer Monsoon Rainfall (ISMR) to Global Warming: Implications of ISMR Projections. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, .	1.2	9
33	The role of blocking circulation and emerging open water feedbacks on Greenland cold-season air temperature variability over the last century. <i>International Journal of Climatology</i> , 2021, 41, E2778.	1.5	5
34	Mean temperature evolution on the Spanish mainland 1916-2015. <i>Climate Research</i> , 2021, 82, 177-189.	0.4	6
35	Sea Level Pressure Trends: Model-Based Assessment of Detection, Attribution, and Consistency with CMIP5 Historical Simulations. <i>Journal of Climate</i> , 2021, 34, 327-346.	1.2	3
36	Why Indian summer monsoon circulation indices? Fidelity in representing rainfall variability and teleconnections. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 1300-1316.	1.0	3

#	ARTICLE	IF	CITATIONS
37	Pre-1906 Extension of Precipitation Data for Chichi-Jima in the Ogasawara (Bonin) Islands Based on the Analysis of Historical Documents. <i>Scientific Online Letters on the Atmosphere</i> , 2021, 17, 170-176.	0.6	0
38	Seasonal temperature trends on the Spanish mainland: A secular study (1916–2015). <i>International Journal of Climatology</i> , 2021, 41, 3071-3084.	1.5	11
39	Quantifying Human-Induced Dynamic and Thermodynamic Contributions to Severe Cold Outbreaks Like November 2019 in the Eastern United States. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, S17-S23.	1.7	7
40	ENSO–Indian summer monsoon teleconnections. , 2021, , 51-68.		3
41	Drought Relief and Reversal over North America from 1500 to 2016. <i>Earth Interactions</i> , 2021, 25, 94-107.	0.7	2
42	Tidal Stream vs. Wind Energy: The Value of Cyclic Power When Combined with Short-Term Storage in Hybrid Systems. <i>Energies</i> , 2021, 14, 1106.	1.6	22
43	Modulation of the Occurrence of Heatwaves over the Euro-Mediterranean Region by the Intensity of the Atlantic Multidecadal Variability. <i>Journal of Climate</i> , 2021, 34, 1099-1114.	1.2	15
44	A New Approach to Homogenize Global Subdaily Radiosonde Temperature Data from 1958 to 2018. <i>Journal of Climate</i> , 2021, 34, 1163-1183.	1.2	18
45	Solar Activity of the Past 100 Years Inferred From ¹⁰ Be in Ice Cores—Implications for Long-Term Solar Activity Reconstructions. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090896.	1.5	5
46	Implementing Full Spatial Coverage in NOAA’s Global Temperature Analysis. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090873.	1.5	18
47	Accelerated decline of summer Arctic sea ice during 1850–2017 and the amplified Arctic warming during the recent decades. <i>Environmental Research Letters</i> , 2021, 16, 034015.	2.2	34
48	The Southern Annular Mode in 6th Coupled Model Intercomparison Project Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034161.	1.2	10
49	An Evaluation of the Performance of the Twentieth Century Reanalysis Version 3. <i>Journal of Climate</i> , 2021, 34, 1417-1438.	1.2	83
50	Tropical cyclones over the western north Pacific since the mid-nineteenth century. <i>Climatic Change</i> , 2021, 164, 1.	1.7	10
52	A Later Onset of the Rainy Season in California. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090350.	1.5	32
53	A historical climate dataset for southwestern Australia, 1830–1875. <i>International Journal of Climatology</i> , 2021, 41, 4898-4919.	1.5	8
54	Global Near-Surface Wind Speed Changes over the Last Decades Revealed by Reanalyses and CMIP6 Model Simulations. <i>Journal of Climate</i> , 2021, 34, 2219-2234.	1.2	32
55	Metrics for evaluating tropical cyclones in climate data. <i>Journal of Applied Meteorology and Climatology</i> , 2021, , .	0.6	20

#	ARTICLE	IF	CITATIONS
56	The Record-Breaking 1933 Atlantic Hurricane Season. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E446-E463.	1.7	2
57	Changes in summer precipitation variability in central Brazil over the past eight decades. <i>International Journal of Climatology</i> , 2021, 41, 4171-4186.	1.5	10
58	On the Development and Demise of the Fall 2019 Southeast U.S. Flash Drought: Links to an Extreme Positive IOD. <i>Journal of Climate</i> , 2021, 34, 1701-1723.	1.2	16
59	Teleconnections Governing the Interannual Variability of Great Plains Low-Level Jets in May. <i>Journal of Climate</i> , 2021, 34, 4785-4802.	1.2	6
60	Mean sea surface temperature changes influence ENSO-related precipitation changes in the mid-latitudes. <i>Nature Communications</i> , 2021, 12, 1495.	5.8	24
61	Korea Institute of Ocean Science and Technology Earth System Model and Its Simulation Characteristics. <i>Ocean Science Journal</i> , 2021, 56, 18-45.	0.6	28
62	Role of the eastern Pacific-Caribbean Sea SST gradient in the Choco low-level jet variations from 1900-2015. <i>Climate Research</i> , 2021, 83, 61-74.	0.4	9
63	Changes in mean sea level around Great Britain over the past 200 years. <i>Progress in Oceanography</i> , 2021, 192, 102521.	1.5	9
64	Past megadroughts in central Europe were longer, more severe and less warm than modern droughts. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	44
65	Do Multi-Model Ensembles Improve Reconstruction Skill in Paleoclimate Data Assimilation?. <i>Earth and Space Science</i> , 2021, 8, e2020EA001467.	1.1	13
66	Early-onset of Atlantic Meridional Overturning Circulation weakening in response to atmospheric CO ₂ concentration. <i>Npj Climate and Atmospheric Science</i> , 2021, 4, .	2.6	12
67	The influence of the Atlantic multidecadal oscillation on the interdecadal variability of winter precipitation in the Greater Mekong Subregion. <i>International Journal of Climatology</i> , 2021, 41, 5072-5083.	1.5	7
68	Over-projected Pacific warming and extreme El Niño frequency due to CMIP5 common biases. <i>National Science Review</i> , 2021, 8, nwab056.	4.6	20
69	Recent climate variability around the Kerguelen Islands (Southern Ocean) seen through weather regimes. <i>Journal of Applied Meteorology and Climatology</i> , 2021, .	0.6	5
70	The Observed Relationship between Pacific SST Variability and Hadley Cell Extent Trends in Reanalyses. <i>Journal of Climate</i> , 2021, 34, 2511-2527.	1.2	12
71	Quantifying the Role of Ocean Dynamics in Ocean Mixed Layer Temperature Variability. <i>Journal of Climate</i> , 2021, 34, 2567-2589.	1.2	6
72	Central Pacific El Niño as a Precursor to Summer Drought-Breaking Rainfall Over Southeastern Australia. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091131.	1.5	20
73	Comparisons Between CMIP5 and CMIP6 Models: Simulations of Climate Indices Influencing Food Security, Infrastructure Resilience, and Human Health in Canada. <i>Earth's Future</i> , 2021, 9, e2021EF001995.	2.4	25

#	ARTICLE	IF	CITATIONS
74	Network of Tensor Time Series. , 2021, , .		15
75	Observational analysis of decadal and long-term hydroclimate drivers in the Mediterranean region: role of the oceanâ€ˆatmosphere system and anthropogenic forcing. <i>Climate Dynamics</i> , 0, , 1.	1.7	3
76	Eritrean centralâ€ˆhighland precipitation and associations with seaâ€ˆsurface temperature and atmospheric circulation. <i>International Journal of Climatology</i> , 2021, 41, 5502.	1.5	0
77	North Atlantic Winter Storm Activity in Modern Reanalyses and Pressure-Based Observations. <i>Journal of Climate</i> , 2021, 34, 2411-2428.	1.2	8
78	Both Cycloneâ€ˆinduced and Convective Storms Drive Disturbance Patterns in European Primary Beech Forests. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033929.	1.2	12
79	Mitigating a century of European renewable variability with transmission and informed siting. <i>Environmental Research Letters</i> , 2021, 16, 064026.	2.2	7
80	Restored relationship between ENSO and Indian summer monsoon rainfall around 1999/2000. <i>Innovation(China)</i> , 2021, 2, 100102.	5.2	58
81	Causes of the long-term variability of southwestern South America precipitation in the IPSL-CM6A-LR model. <i>Climate Dynamics</i> , 2021, 57, 2391-2414.	1.7	3
82	Extratropical Southern Hemisphere Synchronous Pressure Variability in the Early Twentieth Century. <i>Journal of Climate</i> , 2021, 34, 5795-5811.	1.2	2
83	Recent weakening in the winter ENSO teleconnection over the North Atlantic-European region. <i>Climate Dynamics</i> , 2021, 57, 1953-1972.	1.7	8
84	Combined Effects of the Britishâ€ˆBaikal Corridor Pattern and the Silk Road Pattern on Eurasian Surface Air Temperatures in Summer. <i>Journal of Climate</i> , 2021, 34, 3707-3720.	1.2	11
85	Large Differences in Diffuse Solar Radiation Among Current-Generation Reanalysis and Satellite-Derived Products. <i>Journal of Climate</i> , 2021, , 1-52.	1.2	6
86	Meteorological drought and its large-scale climate patterns in each season in Central Asia from 1901 to 2015. <i>Climatic Change</i> , 2021, 166, 1.	1.7	5
87	A Multivariate Approach to Generate Synthetic Shortâ€ˆtoâ€ˆMedium Range Hydroâ€ˆMeteorological Forecasts Across Locations, Variables, and Lead Times. <i>Water Resources Research</i> , 2021, 57, e2020WR029453.	1.7	3
88	Intercomparisons, error assessments, and technical information on historical upper-air measurements. <i>Earth System Science Data</i> , 2021, 13, 2471-2485.	3.7	1
89	Permafrost Biases Climate Signals in Î¸18O tree-ring Series from a Sub-Alpine Tree Stand in Val Bever/Switzerland. <i>Atmosphere</i> , 2021, 12, 836.	1.0	0
90	Detecting Climate Signals Using Explainable AI With Singleâ€ˆForcing Large Ensembles. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002464.	1.3	19
91	Extreme rainfall synchronization network between Southwest China and Asiaâ€ˆPacific region. <i>Climate Dynamics</i> , 2021, 57, 3207-3221.	1.7	6

#	ARTICLE	IF	CITATIONS
92	Historical and future carbon stocks in forests of northern Ontario, Canada. <i>Carbon Balance and Management</i> , 2021, 16, 21.	1.4	1
93	Twentieth century global glacier mass change: an ensemble-based model reconstruction. <i>Cryosphere</i> , 2021, 15, 3135-3157.	1.5	8
94	A mean-sea-level pressure time series for Trieste, Italy (1841–2018). <i>Earth System Science Data</i> , 2021, 13, 3363-3377.	3.7	1
96	Systematic investigation of skill opportunities in decadal prediction of air temperature over Europe. <i>Climate Dynamics</i> , 2021, 57, 3245-3263.	1.7	2
97	Sources of Uncertainty in Multimodel Large Ensemble Projections of the Winter North Atlantic Oscillation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093258.	1.5	10
98	Southeast Indian Subantarctic Mode Water in the CMIP6 Coupled Models. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016872.	1.0	2
99	Extratropical Southern Hemisphere Synchronous Pressure Variability in the Early Twentieth Century. <i>Journal of Climate</i> , 2021, 34, 5795-5811.	1.2	2
100	Reconciling Human and Natural Drivers of the Tripole Pattern of Multidecadal Summer Temperature Variations Over Eurasia. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093971.	1.5	10
101	The joint impacts of Atlantic and Pacific multidecadal variability on South American precipitation and temperature. <i>Journal of Climate</i> , 2021, , 1-55.	1.2	7
102	Tree-ring-based hydroclimatic reconstruction for the northwest Argentine Patagonia since 1055 CE and its teleconnection to large-scale atmospheric circulation. <i>Global and Planetary Change</i> , 2021, 202, 103496.	1.6	9
103	Anthropogenic influence on extreme precipitation over global land areas seen in multiple observational datasets. <i>Nature Communications</i> , 2021, 12, 3944.	5.8	74
104	Estimating centennial-scale changes in global terrestrial near-surface wind speed based on CMIP6 GCMs. <i>Environmental Research Letters</i> , 2021, 16, 084039.	2.2	21
105	North Atlantic Oscillation in winter is largely insensitive to autumn Barents-Kara sea ice variability. <i>Science Advances</i> , 2021, 7, .	4.7	8
106	The U.K.–China Climate Science to Service Partnership. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1563-E1578.	1.7	2
107	Multidecadal Sea Level Variability in the Baltic Sea and Its Impact on Acceleration Estimations. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	7
108	The development of long temperature and precipitation series for Ascension Island. <i>International Journal of Climatology</i> , 0, , .	1.5	0
109	The Representation of the Southern Annular Mode Signal in the Brazilian Earth System Model. <i>Atmosphere</i> , 2021, 12, 1045.	1.0	2
110	Atmospheric Rivers Impacting Northern California Exhibit a Quasi-Decadal Frequency. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034196.	1.2	3

#	ARTICLE	IF	CITATIONS
111	Reanalysis in Earth System Science: Toward Terrestrial Ecosystem Reanalysis. <i>Reviews of Geophysics</i> , 2021, 59, e2020RG000715.	9.0	24
112	Changing El Niño Southern Oscillation in a warming climate. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 628-644.	12.2	197
113	Footprint of greenhouse forcing in daily temperature variability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	17
114	“Beyond Weather Regimes” Descriptors Monitoring Atmospheric Centers of Action. A case study for Aotearoa New Zealand. <i>Journal of Climate</i> , 2021, , 1-50.	1.2	4
115	Pacific and Atlantic Multidecadal Variability Relations with the Choco and Caribbean Low-Level Jets during the 1900–2015 Period. <i>Atmosphere</i> , 2021, 12, 1120.	1.0	7
116	Weakened Antarctic Dipole Under Global Warming in CMIP6 Models. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094863.	1.5	6
117	The Three-Cornered Hat Method for Estimating Error Variances of Three or More Atmospheric Data Sets – Part II: Evaluating Radio Occultation and Radiosonde Observations, Global Model Forecasts, and Reanalyses. <i>Journal of Atmospheric and Oceanic Technology</i> , 2021, , .	0.5	4
118	Sea-level rise in Venice: historic and future trends (review article). <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 2643-2678.	1.5	61
119	The influence of pacific winds on ENSO diversity. <i>Scientific Reports</i> , 2021, 11, 18672.	1.6	17
120	Interannual and decadal variability of Arctic summer sea ice associated with atmospheric teleconnection patterns during 1850-2017. <i>Journal of Climate</i> , 2021, , 1-89.	1.2	3
121	Identifying drivers of streamflow extremes in West Africa to inform a nonstationary prediction model. <i>Weather and Climate Extremes</i> , 2021, 33, 100346.	1.6	3
122	Preconditions for extreme wet winters over the contiguous United States. <i>Weather and Climate Extremes</i> , 2021, 33, 100333.	1.6	4
123	Historical Forest Management Practices Influence Tree-Ring Based Climate Reconstructions. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	2
124	Drivers of exceptional coastal warming in the northeastern United States. <i>Nature Climate Change</i> , 2021, 11, 854-860.	8.1	23
125	Variability of maximum and minimum monthly mean air temperatures over mainland Spain and their relationship with low-frequency atmospheric patterns for period 1916–2015. <i>International Journal of Climatology</i> , 2022, 42, 1723-1741.	1.5	4
126	The ERA5 global reanalysis: Preliminary extension to 1950. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 4186-4227.	1.0	189
127	Is There Interdecadal Variation in the South Asian High?. <i>Journal of Climate</i> , 2021, 34, 8089-8103.	1.2	17
128	Interdecadal Change in the Relationship Between the Bay of Bengal Summer Monsoon and South China Sea Summer Monsoon Onset. <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	11

#	ARTICLE	IF	CITATIONS
129	Large-scale changes of the semidiurnal tide along North Atlantic coasts from 1846 to 2018. <i>Ocean Science</i> , 2021, 17, 17-34.	1.3	8
130	Atmospheric blocking events in the North Atlantic: trends and links to climate anomalies and teleconnections. <i>Climate Dynamics</i> , 2021, 56, 2199-2221.	1.7	12
131	Meridional oscillation of tropical cyclone activity in the western North Pacific during the past 110 years. <i>Climatic Change</i> , 2021, 164, 1.	1.7	10
133	European multidecadal solar variability badly captured in all centennial reanalyses except CERA20C. <i>Environmental Research Letters</i> , 2020, 15, 104021.	2.2	9
134	ClimAlign: Unsupervised statistical downscaling of climate variables via normalizing flows. , 2020, , .		10
135	A 450-Year Perspective on California Precipitation “Flips”. <i>Journal of Climate</i> , 2020, 33, 10221-10237.	1.2	9
136	Uncertainties in Ocean Latent Heat Flux Variations over Recent Decades in Satellite-Based Estimates and Reduced Observation Reanalyses. <i>Journal of Climate</i> , 2020, 33, 8415-8437.	1.2	16
137	Validation of reanalysis Southern Ocean atmosphere trends using sea ice data. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14757-14768.	1.9	7
138	The importance of input data quality and quantity in climate field reconstructions “ results from the assimilation of various tree-ring collections. <i>Climate of the Past</i> , 2020, 16, 1061-1074.	1.3	14
139	Assimilating monthly precipitation data in a paleoclimate data assimilation framework. <i>Climate of the Past</i> , 2020, 16, 1309-1323.	1.3	8
140	An investigation of weighting schemes suitable for incorporating large ensembles into multi-model ensembles. <i>Earth System Dynamics</i> , 2020, 11, 807-834.	2.7	39
141	Early instrumental meteorological observations in Switzerland: 1708–1873. <i>Earth System Science Data</i> , 2020, 12, 1179-1190.	3.7	19
142	Rescue and quality control of sub-daily meteorological data collected at Montevergine Observatory (Southern Apennines), 1884–1963. <i>Earth System Science Data</i> , 2020, 12, 1467-1487.	3.7	10
143	Rivers in the sky, flooding on the ground: the role of atmospheric rivers in inland flooding in central Europe. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5125-5147.	1.9	16
144	Comprehensive evaluation of surface air temperature reanalysis over China against urbanization-bias-adjusted observations. <i>Advances in Climate Change Research</i> , 2021, 12, 783-794.	2.1	12
145	Blasts from the Past: Reimagining Historical Storms with Model Simulations to Modernize Dam Safety and Flood Risk Assessment. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E266-E280.	1.7	2
146	The West Pacific Gradient tracks ENSO and zonal Pacific sea surface temperature gradient during the last Millennium. <i>Scientific Reports</i> , 2021, 11, 20395.	1.6	2
147	ENSO diversity shows robust decadal variations that must be captured for accurate future projections. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	19

#	ARTICLE	IF	CITATIONS
148	Change in the variability in the Western Pacific pattern during boreal winter: roles of tropical Pacific sea surface temperature anomalies and North Pacific storm track activity. <i>Climate Dynamics</i> , 2022, 58, 2451-2468.	1.7	9
149	An ensemble reconstruction of global monthly sea surface temperature and sea ice concentration 1000â€“1849. <i>Scientific Data</i> , 2021, 8, 261.	2.4	7
150	Tree-ring cellulose $\delta^{18}O$ records similar large-scale climate influences as precipitation $\delta^{18}O$ in the Northwest Territories of Canada. <i>Climate Dynamics</i> , 2022, 58, 759-776.	1.7	10
151	A twiceâ€“daily barometric pressure record from Durham Observatory in northâ€“east England, 1843â€“1960. <i>Geoscience Data Journal</i> , 2023, 10, 3-17.	1.8	3
152	A dynamical adjustment perspective on extreme event attribution. <i>Weather and Climate Dynamics</i> , 2021, 2, 971-989.	1.2	13
153	On the Development of GFDL's Decadal Prediction System: Initialization Approaches and Retrospective Forecast Assessment. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, .	1.3	14
154	Robust detection of forced warming in the presence of potentially large climate variability. <i>Science Advances</i> , 2021, 7, eabh4429.	4.7	11
155	Characteristics and Predictability of Midwestern United States Drought. <i>Journal of Hydrometeorology</i> , 2021, , .	0.7	0
157	The Long Winter of 1880/81. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E797-E813.	1.7	1
158	Historical reconstruction and statistical survey on long-term temporal changes in temperatures above 50Â° C in West Asia. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	7
159	Using deep learning to predict the East Asian summer monsoon. <i>Environmental Research Letters</i> , 2021, 16, 124006.	2.2	15
160	Twentieth century temperature and snow cover changes in the French Alps. <i>Regional Environmental Change</i> , 2021, 21, 1.	1.4	9
161	El NiÃ±oâ€“Global Atmospheric Oscillation as the Main Mode of Interannual Climate Variability. <i>Atmosphere</i> , 2021, 12, 1443.	1.0	2
162	Uncertainty in aerosol radiative forcing impacts the simulated global monsoon in the 20thÂ“century. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14903-14915.	1.9	7
164	High-resolution large-scale onshore wind energy assessments: A review of potential definitions, methodologies and future research needs. <i>Renewable Energy</i> , 2022, 182, 659-684.	4.3	82
165	Modelling of Vegetation Dynamics from Satellite Time Series to Determine Proglacial Primary Succession in the Course of Global Warmingâ€“A Case Study in the Upper Martell Valley (Eastern Italian) Tj ETQq1 i1&0.7843140rgBT /Dv	1.0	14
166	The Influence of Interannual and Decadal Indo-Pacific Sea Surface Temperature Variability on Australian Monsoon Rainfall. <i>Journal of Climate</i> , 2022, 35, 425-444.	1.2	12
167	Interdecadal Changes in the Relationship between Wintertime Surface Air Temperature over the Indo-China Peninsula and ENSO. <i>Journal of Climate</i> , 2022, 35, 975-995.	1.2	4

#	ARTICLE	IF	CITATIONS
168	Synthetic weather diaries: concept and application to Swiss weather in 1816. <i>Climate of the Past</i> , 2020, 16, 1937-1952.	1.3	4
169	Climatically Driven Minimum of Energy Demand for Heating in Cities at the Center of the European Part of Russia. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2020, 56, 613-617.	0.2	1
170	Climate Observing During Canada's Empires, 1742-1871: People, Places and Motivations. <i>London Journal of Canadian Studies</i> , 2020, 35, .	0.1	0
171	Total column ozone in New Zealand and in the UK in the 1950s. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14333-14346.	1.9	1
172	Mean sea level and tidal change in Ireland since 1842: a case study of Cork. <i>Ocean Science</i> , 2021, 17, 1623-1637.	1.3	3
173	Temporal evolution of relationships between temperature and circulation modes in five reanalyses. <i>International Journal of Climatology</i> , 2022, 42, 4391-4404.	1.5	0
174	The Reanalysis for the Global Ensemble Forecast System, Version 12. <i>Monthly Weather Review</i> , 2022, 150, 59-79.	0.5	20
175	Strengthening Southern Hemisphere Westerlies and Amundsen Sea Low Deepening Over the 20th Century Revealed by Proxy Data Assimilation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095999.	1.5	12
176	Atlantic tropical cyclones downscaled from climate reanalyses show increasing activity over past 150 years. <i>Nature Communications</i> , 2021, 12, 7027.	5.8	39
177	Analogue methods and <scp>ERA5</scp>: Benefits and pitfalls. <i>International Journal of Climatology</i> , 2022, 42, 4078-4096.	1.5	7
178	The consecutive disparity of precipitation in conterminous Spain. <i>Theoretical and Applied Climatology</i> , 2022, 147, 1151-1161.	1.3	4
179	Synoptic circulation changes over Central Europe from 1900 to 2100 - Reanalyses and CMIP6. <i>International Journal of Climatology</i> , 0, , .	1.5	6
180	Comparison of Early Twentieth Century Arctic Warming and Contemporary Arctic Warming in the light of daily and sub-daily data. <i>Journal of Climate</i> , 2022, , 1-59.	1.2	4
181	Nonstationarity and potential multi-decadal variability in Indian Summer Monsoon Rainfall and Southern Annular Mode teleconnection. <i>Climate Dynamics</i> , 2022, 59, 671-683.	1.7	3
182	Prequel to the Stories of Warm Conveyor Belts and Atmospheric Rivers: The Moist Tongues Identified by Rossby and His Collaborators in the 1930s. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E1019-E1040.	1.7	3
183	Stratosphere-Troposphere Coupling Leading to Extended Seasonal Predictability of Summer North Atlantic Oscillation and Boreal Climate. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	6
184	Low-Frequency Atmospheric Variability Patterns and Synoptic Types Linked to Large Floods in the Lower Ebro River Basin. <i>Journal of Climate</i> , 2022, 35, 2351-2371.	1.2	2
185	Orbital Forcing Strongly Influences the Poleward Shift of the Spring Himalayan Jet During the Past Millennium. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2

#	ARTICLE	IF	CITATIONS
186	Meteorological Data Rescue – Citizen Science Lessons Learned From Southern Weather Discovery. SSRN Electronic Journal, 0, , .	0.4	0
187	Global-scale interdecadal variability a skillful predictor at decadal-to-multidecadal timescales for Sahelian and Indian Monsoon Rainfall. Npj Climate and Atmospheric Science, 2022, 5, .	2.6	7
188	Synchronous Variation Patterns of Monthly Sea Ice Anomalies at the Arctic and Antarctic. Journal of Climate, 2022, 35, 2823-2847.	1.2	3
189	The Ensemble Oceanic Niño Index. International Journal of Climatology, 2022, 42, 5321-5341.	1.5	8
190	A comparison of global surface temperature variability, extremes and warming trend using reanalysis datasets and <sc>CMSTâ€˜Interim</sc>. International Journal of Climatology, 2022, 42, 5609-5628.	1.5	11
191	On the effect of reference periods on trends in percentile-based extreme temperature indices. Environmental Research Letters, 2022, 17, 034026.	2.2	5
192	Dynamical and moist thermodynamical processes associated with Western Ghats rainfall decadal variability. Npj Climate and Atmospheric Science, 2022, 5, .	2.6	9
193	Monthly North Atlantic Sea Level Pressure reconstruction back to 1750 CE using Artificial Intelligence optimization. Journal of Climate, 2022, , 1-56.	1.2	0
194	Impacts of the Lagrangian Data Assimilation of Surface Drifters on Estimating Ocean Circulation during the Gulf of Mexico Grand Lagrangian Deployment. Monthly Weather Review, 2022, 150, 949-965.	0.5	2
195	Enlisting Students to Transcribe Historical Climate and Weather Data For Research: Building Knowledge Translation Via Classroom-Based Citizen Science. Journal of Community Engagement and Scholarship, 2021, 13, .	0.1	0
196	The Increasing Role of Vegetation Transpiration in Soil Moisture Loss across China under Global Warming. Journal of Hydrometeorology, 2022, 23, 253-274.	0.7	10
197	Analysis of early Japanese meteorological data and historical weather documents to reconstruct the winter climate between the 1840s and the early 1850s. Climate of the Past, 2022, 18, 327-339.	1.3	3
198	Asymmetrical synchronization of extreme rainfall events in southwest China. International Journal of Climatology, 2022, 42, 5935-5948.	1.5	4
199	Diagnosing Hawaiiâ€™s Recent Drought. Journal of Climate, 2022, 35, 3997-4012.	1.2	3
200	Atlantic Multidecadal Oscillation Modulates the Relation of ENSO With the Precipitation in the Central-Western Indian Ocean. Frontiers in Earth Science, 2022, 10, .	0.8	0
201	Drivers of 20th century sea-level change in southern New Zealand determined from proxy and instrumental records. Journal of Quaternary Science, 2022, 37, 1025-1043.	1.1	6
202	A comparison of nonlinear extensions to the ensemble Kalman filter. Computational Geosciences, 2022, , 1-18.	1.2	2
203	Extended North Atlantic Oscillation and Greenland Blocking Indices 1800â€“2020 from New Meteorological Reanalysis. Atmosphere, 2022, 13, 436.	1.0	4

#	ARTICLE	IF	CITATIONS
204	A 247-year tree-ring reconstruction of spring temperature and relation to spring flooding in eastern boreal Canada. <i>International Journal of Climatology</i> , 2022, 42, 6479-6498.	1.5	3
205	Atmospheric Forcing of the Pacific Meridional Mode: Tropical Pacific-Driven Versus Internal Variability. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	10
206	ENSO and Parana flow variability: Long-term changes in their connectivity. <i>International Journal of Climatology</i> , 2022, 42, 7269-7279.	1.5	3
207	Benchmarking algorithm changes to the Snow CCI+ snow water equivalent product. <i>Remote Sensing of Environment</i> , 2022, 274, 112988.	4.6	13
208	Opposite Atlantic Multidecadal Oscillation effects on dry/wet changes over Central and East Asian drylands. <i>Atmospheric Research</i> , 2022, 271, 106102.	1.8	5
209	Large-scale emergence of regional changes in year-to-year temperature variability by the end of the 21st century. <i>Nature Communications</i> , 2021, 12, 7237.	5.8	12
210	Early-winter North Atlantic low-level jet latitude biases in climate models: implications for simulated regional atmosphere-ocean linkages. <i>Environmental Research Letters</i> , 2022, 17, 014025.	2.2	1
211	The blue suns of 1831: was the eruption of Ferdinandea, near Sicily, one of the largest volcanic climate forcing events of the nineteenth century?. <i>Climate of the Past</i> , 2021, 17, 2607-2632.	1.3	2
212	Surface warming-induced global acceleration of upper ocean currents. <i>Science Advances</i> , 2022, 8, eabj8394.	4.7	36
213	A decade of cold Eurasian winters reconstructed for the early 19th century. <i>Nature Communications</i> , 2022, 13, 2116.	5.8	16
214	Historical Observations for Improving Reanalyses. <i>Frontiers in Climate</i> , 2022, 4, .	1.3	2
215	Assessing the large-scale drivers of precipitation in the northeastern United States via linear orthogonal decomposition. <i>Climate Dynamics</i> , 2022, 59, 3657-3681.	1.7	1
216	Near-surface soil thermal regime and land-air temperature coupling: A case study over Spain. <i>International Journal of Climatology</i> , 2022, 42, 7516-7534.	1.5	2
217	Influence of warming and atmospheric circulation changes on multidecadal European flood variability. <i>Climate of the Past</i> , 2022, 18, 919-933.	1.3	6
218	Can current reanalyses accurately portray changes in Southern Annular Mode structure prior to 1979?. <i>Climate Dynamics</i> , 2022, 59, 3717-3740.	1.7	16
219	Human Influence on Seasonal Precipitation in Europe. <i>Journal of Climate</i> , 2022, 35, 5215-5231.	1.2	13
220	The Kalman Filter as Post-Processor for Analog Data-Model Assimilation in Paleoclimate Reconstruction. <i>Journal of Climate</i> , 2022, , 1-55.	1.2	0
221	Evaluation of AMIP models from CMIP6 in simulating winter surface air temperature trends over Eurasia during 1998-2012 based on dynamical adjustment. <i>Climate Dynamics</i> , 0, , 1.	1.7	1

#	ARTICLE	IF	CITATIONS
222	The Character and Changing Frequency of Extreme California Fire Weather. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	2
223	Intercomparing atmospheric reanalysis products for hydrodynamic and wave modeling of extreme events during the open-water Arctic season. <i>Arctic, Antarctic, and Alpine Research</i> , 2022, 54, 125-146.	0.4	2
224	Trend and variability in the long-term relationship between Eurasian snow cover and Indian summer monsoon rainfall. <i>International Journal of Climatology</i> , 2022, 42, 7751-7765.	1.5	2
225	Synoptic control over winter snowfall variability observed in a remote site of Apennine Mountains (Italy), 1884–2015. <i>Cryosphere</i> , 2022, 16, 1741-1763.	1.5	8
226	Global hydro-climatological indicators and changes in the global hydrological cycle and rainfall patterns. , 2022, 1, e0000029.		10
227	HomogWS-se: a century-long homogenized dataset of near-surface wind speed observations since 1925 rescued in Sweden. <i>Earth System Science Data</i> , 2022, 14, 2167-2177.	3.7	2
228	Interdecadal Variation of the Antarctic Circumpolar Wave Based on the 20CRV3 Dataset. <i>Atmosphere</i> , 2022, 13, 736.	1.0	1
229	Shift of the storm surge season in Europe due to climate variability. <i>Scientific Reports</i> , 2022, 12, 8210.	1.6	3
230	Forecasting large-scale circulation regimes using deformable convolutional neural networks and global spatiotemporal climate data. <i>Scientific Reports</i> , 2022, 12, 8395.	1.6	4
231	The intensification of winter mid-latitude storm tracks in the Southern Hemisphere. <i>Nature Climate Change</i> , 2022, 12, 553-557.	8.1	21
232	Performance evaluation and comparison of observed and reanalysis gridded precipitation datasets over Pakistan. <i>Theoretical and Applied Climatology</i> , 2022, 149, 1093-1116.	1.3	6
233	A multi-objective paleo-informed reconstruction of western US weather regimes over the past 600 years. <i>Climate Dynamics</i> , 2023, 60, 339-358.	1.7	3
234	Early-to-Late Winter 20th Century North Atlantic Multidecadal Atmospheric Variability in Observations, CMIP5 and CMIP6. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
235	Meteorological data rescue: Citizen science lessons learned from Southern Weather Discovery. <i>Patterns</i> , 2022, 3, 100495.	3.1	4
236	Evidence of regional sea-level rise acceleration for the North Sea. <i>Environmental Research Letters</i> , 2022, 17, 074002.	2.2	8
237	From climate to weather reconstructions. , 2022, 1, e0000034.		4
238	A global inventory of quantitative documentary evidence related to climate since the 15th century. <i>Climate of the Past</i> , 2022, 18, 1407-1428.	1.3	5
239	An online ensemble coupled data assimilation capability for the Community Earth System Model: system design and evaluation. <i>Geoscientific Model Development</i> , 2022, 15, 4805-4830.	1.3	2

#	ARTICLE	IF	CITATIONS
240	Relationship of the Warming of Red Sea Surface Water over 140 Years with External Heat Elements. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 846.	1.2	2
242	A modelling study of the impact of tropical SSTs on the variability and predictable components of seasonal atmospheric circulation in the North Atlanticâ€“European region. <i>Climate Dynamics</i> , 0, , .	1.7	1
243	A review of orbital-scale monsoon variability and dynamics in East Asia during the Quaternary. <i>Quaternary Science Reviews</i> , 2022, 288, 107593.	1.4	13
244	The role of climate datasets in understanding climate extremes. , 2022, , 19-48.		0
245	Local oceanâ€“atmosphere interaction in Indian summer monsoon multi-decadal variability. <i>Climate Dynamics</i> , 0, , .	1.7	0
246	Declining tropical cyclone frequency under global warming. <i>Nature Climate Change</i> , 2022, 12, 655-661.	8.1	64
247	Why has Precipitation Increased in the Last 120Â“Years in Norway?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	2
248	Summer temperature changes in Tierra del Fuego since AD 1765: atmospheric drivers and tree-ring reconstruction from the southernmost forests of the world. <i>Climate Dynamics</i> , 0, , .	1.7	0
249	Anthropogenic aerosol impacts on Pacific Coast precipitation in CMIP6 models. , 2022, 1, 015005.		3
250	Hydrological Retrospective and Historical Drought Analysis in a Brazilian Savanna Basin. <i>Water (Switzerland)</i> , 2022, 14, 2178.	1.2	2
251	First dendrochronological studies of <i>Quercus protoroburoides</i> . <i>Dendrochronologia</i> , 2022, , 125984.	1.0	0
252	Temporal Changes in Lethal Temperatures Above 50Â“C in the Northern Hemisphere. <i>Pure and Applied Geophysics</i> , 2022, 179, 3377-3390.	0.8	4
253	Increased Indian Ocean-North Atlantic Ocean warming chain under greenhouse warming. <i>Nature Communications</i> , 2022, 13, .	5.8	8
255	Predictability of South-Asian monsoon rainfall beyond the legacy of Tropical Ocean Global Atmosphere program (TOGA). <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	2.6	8
256	Diffuse radiation forcing constraints on gross primary productivity and global terrestrial evapotranspiration. <i>Earth's Future</i> , 0, , .	2.4	6
257	State of the UK Climate 2021. <i>International Journal of Climatology</i> , 2022, 42, 1-80.	1.5	23
258	Role of the Climatological North Pacific High in the North Tropical Atlanticâ€“ENSO Connection. <i>Journal of Climate</i> , 2022, 35, 3215-3226.	1.2	7
259	Centennial Changes in Tropical Cyclone-Induced Precipitation and Wind in Korea. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
260	Decline in Etesian winds after large volcanic eruptions in the last millennium. <i>Weather and Climate Dynamics</i> , 2022, 3, 811-823.	1.2	2
261	Reconstruction of wind and surge of the 1906 storm tide at the German North Sea coast. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 2419-2432.	1.5	2
262	Northern Hemisphere Extratropical Cyclone Activity in the Twentieth Century Reanalysis Version 3 (20CRv3) and Its Relationship with Continental Extreme Temperatures. <i>Atmosphere</i> , 2022, 13, 1166.	1.0	5
263	Large increases of multi-year droughts in north-western Europe in a warmer climate. <i>Climate Dynamics</i> , 2023, 60, 1781-1800.	1.7	19
264	On the Value of Early Marine Weather Observations: The Malaspina Expedition (1789â€“94). <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E1684-E1695.	1.7	0
265	Roman Warm Period and Late Antique Little Ice Age in an Earth System Model Large Ensemble. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	5
266	Sclerochronological records of environmental variability and bivalve growth in the Pacific Arctic. <i>Progress in Oceanography</i> , 2022, 206, 102864.	1.5	2
267	Assessing homogeneity of land surface air temperature observations using sparseâ€“input reanalyses. <i>International Journal of Climatology</i> , 2023, 43, 736-760.	1.5	1
268	Forcing for Multidecadal Surface Solar Radiation Trends Over Northern Hemisphere Continents. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	3
269	Developing ensemble mean models of satellite remote sensing, climate reanalysis, and land surface models. <i>Theoretical and Applied Climatology</i> , 2022, 150, 909-926.	1.3	7
270	Climate change and <i>Arenicola marina</i> : Heat waves and the southern limit of an ecosystem engineer. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 276, 108015.	0.9	5
271	The spatial-temporal patterns of East Asian climate in response to insolation, CO2 and ice sheets during MIS-5. <i>Quaternary Science Reviews</i> , 2022, 293, 107689.	1.4	8
272	A severe weather system accompanied by a stratospheric intrusion during unusual warm winter in 2015 over the South Africa: An initial synoptic analysis. <i>Remote Sensing Applications: Society and Environment</i> , 2022, 28, 100833.	0.8	1
273	A Comparison of Two 20th Century Reanalysis Datasets from the Perspective of Cross-Equatorial Flows. <i>Journal of the Meteorological Society of Japan</i> , 2022, 100, 807-824.	0.7	0
274	Estimating North Atlantic Hurricane Landfall Counts and Intensities in a Non-stationary Climate. <i>Hurricane Risk B</i> , 2022, , 57-86.	0.1	0
275	Drivers of Urban Heat in Hong Kong Over the Past 116 Years. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
276	Blending TAC and BUFR Marine In Situ Data for ICOADS Near-Real-Time Release 3.0.2. <i>Journal of Atmospheric and Oceanic Technology</i> , 2022, 39, 1943-1959.	0.5	0
278	Coastal Sea Level Observations Record the Twentieth-Century Enhancement of Decadal Climate Variability. <i>Journal of Climate</i> , 2023, 36, 243-260.	1.2	1

#	ARTICLE	IF	CITATIONS
280	Comparing extremes indices in recent observational and reanalysis products. <i>Frontiers in Climate</i> , 0, 4, .	1.3	6
281	The Role of the North Atlantic Oscillation for Projections of Winter Mean Precipitation in Europe. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	6
282	What's the temperature tomorrow? Increasing trends in extreme volatility of daily maximum temperature in Central and Eastern United States (1950â€“2019). <i>Weather and Climate Extremes</i> , 2022, 38, 100515.	1.6	3
283	Assessment of the oceanic channel dynamics responsible for the IOD-ENSO precursory teleconnection in CMIP5 climate models. <i>Frontiers in Climate</i> , 0, 4, .	1.3	2
284	Interdecadal Changes of the MERRA-2 Incoming Surface Solar Radiation (SSR) and Evaluation against GEBA & BSRN Stations. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 10176.	1.3	4
285	Influence of the Atlantic Multidecadal Oscillation on South American Atmosphere Dynamics and Precipitation. <i>Atmosphere</i> , 2022, 13, 1778.	1.0	2
286	Multidecadal Variation in the Seasonal Predictability of Winter PNA and Its Sources. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	1
287	Impact of Tibetan Plateau vertical heating on the Asian summer monsoon on the interdecadal scale. <i>Atmospheric Science Letters</i> , 2023, 24, .	0.8	2
288	Drivers of urban heat in Hong Kong over the past 116Âyears. <i>Urban Climate</i> , 2022, 46, 101308.	2.4	2
289	ENSO Teleconnections More Uncertain in Regions of Lower Socioeconomic Development. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	1
290	A ~700 years perspective on the 21st century drying in the eastern part of Europe based on Î18O in tree ring cellulose. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	11
291	Impact of increased resolution on the representation of the Canary upwelling system in climate models. <i>Geoscientific Model Development</i> , 2022, 15, 8245-8267.	1.3	3
292	Dynamical Properties of Weather Regime Transitions. <i>Mathematics of Planet Earth</i> , 2023, , 223-236.	0.1	1
293	Long-term sea-level variability along the coast of Japan during the 20th century revealed by a 1/10\$^{circ}\$ OGCM. <i>Journal of Oceanography</i> , 0, , .	0.7	0
294	Southern Ocean Solar Reflection Biases in CMIP6 Models Linked to Cloud Phase and Vertical Structure Representations. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	12
295	Current and future wind energy resources in the North Sea according to CMIP6. <i>Wind Energy Science</i> , 2022, 7, 2373-2391.	1.2	12
296	Climatological changes in East Asian winter monsoon circulation in a warmer future. <i>Atmospheric Research</i> , 2022, , 106593.	1.8	1
297	Reconstruction of Zonal Precipitation From Sparse Historical Observations Using Climate Model Information and Statistical Learning. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	0

#	ARTICLE	IF	CITATIONS
298	Statistical reconstruction of daily temperature and sea level pressure in Europe for the severe winter 1788/89. <i>Climate of the Past</i> , 2022, 18, 2545-2565.	1.3	5
299	Declining winter heat loss threatens continuing ocean convection at a Mediterranean dense water formation site. <i>Environmental Research Letters</i> , 2023, 18, 024005.	2.2	4
300	Consolidating historical instrumental observations in southern Australia for assessing pre-industrial weather and climate variability. <i>Climate Dynamics</i> , 2023, 61, 1063-1087.	1.7	1
301	A comparison of East-Asia landfall tropical cyclone in recent reanalysis datasets—before and after satellite era. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	0
302	Orbitalâ€”insolation Controlled <i>Porites</i> Coral Î“ ¹³ C Seasonality Variations Since the Midâ€”Holocene in the Northern South China Sea. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	2
303	Evaluation of global teleconnections in CMIP6 climate projections using complex networks. <i>Earth System Dynamics</i> , 2023, 14, 17-37.	2.7	4
304	Climate change multi-model projections in CMIP6 scenarios in Central Hokkaido, Japan. <i>Scientific Reports</i> , 2023, 13, .	1.6	15
305	Assessment of ERA5 and ERA-Interim in Reproducing Mean and Extreme Climates over West Africa. <i>Advances in Atmospheric Sciences</i> , 2023, 40, 570-586.	1.9	3
306	Reassessing long-standing meteorological records: an example using the national hottest day in Ireland. <i>Climate of the Past</i> , 2023, 19, 1-22.	1.3	0
307	Centennial analysis in tropical cyclone-induced precipitation in Korea. <i>Weather and Climate Extremes</i> , 2023, 39, 100549.	1.6	3
308	Modern temperatures in centralâ€”north Greenland warmest in past millennium. <i>Nature</i> , 2023, 613, 503-507.	13.7	12
309	Multiyear Dry Periods in Southern Africa. <i>International Journal of Climatology</i> , 0, , .	1.5	0
310	Variability and longâ€”term change in Australian monsoon rainfall: A review. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2023, 14, .	3.6	8
311	The global historical climate database HCLIM. <i>Scientific Data</i> , 2023, 10, .	2.4	9
312	Challenges with interpreting the impact of Atlantic Multidecadal Variability using SST-restoring experiments. <i>Npj Climate and Atmospheric Science</i> , 2023, 6, .	2.6	5
313	Influence of the Maddenâ€”Julian Oscillation on Continental United Statesâ€”Hurricane Landfalls. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	2
314	Introduction of the BiasAdjustCXX command-line tool for the application of fast and efficient bias corrections in climatic research. <i>SoftwareX</i> , 2023, 22, 101379.	1.2	0
315	Interdecadal variability of the warm Arctic-cold Eurasia pattern linked to the Barents oscillation. <i>Atmospheric Research</i> , 2023, 287, 106712.	1.8	3

#	ARTICLE	IF	CITATIONS
316	Human-induced weakening of the Northern Hemisphere tropical circulation. <i>Nature</i> , 2023, 617, 529-532.	13.7	3
317	HISTORICAL ATMOSPHERIC ANALYSIS BY WEATHER CATEGORY ASSIMILATION USING GAUSSIAN TRANSFORMATION. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2022, 78, L_691-L_696.	0.0	0
318	Climate impacts on tree-ring stable isotopes across the Northern Hemispheric boreal zone. <i>Science of the Total Environment</i> , 2023, 870, 161644.	3.9	1
319	The first tree-ring reconstruction of streamflow variability over the last $\frac{1}{4}$ 250 years in the Lower Danube. <i>Journal of Hydrology</i> , 2023, 617, 129150.	2.3	1
320	Evolution of total column ozone prior to the era of ozone depletion. <i>Frontiers in Earth Science</i> , 0, 11, .	0.8	0
321	Extending ensemble Kalman filter algorithms to assimilate observations with an unknown time offset. <i>Nonlinear Processes in Geophysics</i> , 2023, 30, 37-47.	0.6	0
323	Weakening of the Summer Monsoon Over the Past 150 Years Shown by a Tree-Ring Record From Shandong, Eastern China, and the Potential Role of North Atlantic Climate. <i>Paleoceanography and Paleoclimatology</i> , 2023, 38, .	1.3	1
324	Reconstruction of daily global solar radiation under all-sky and cloud-free conditions in Badajoz (Spain) since 1929. <i>International Journal of Climatology</i> , 2023, 43, 3523-3537.	1.5	1
325	Large Ensemble Particle Filter for Spatial Climate Reconstructions Using a Linear Inverse Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2023, 15, .	1.3	1
326	Two Methods for Data Assimilation of Wind Direction. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2023, 75, 145-158.	0.8	0
328	Editorial: Recent advances in climate reanalysis. <i>Frontiers in Climate</i> , 0, 5, .	1.3	0
329	A Storyline Approach to the June 2021 Northwestern North American Heatwave. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	6
330	Water cycle changes in reanalyses: a complementary framework. <i>Scientific Reports</i> , 2023, 13, .	1.6	4
331	Quantitative Long-Term Monitoring (1890–2020) of Morphodynamic and Land-Cover Changes of a LIA Lateral Moraine Section. <i>Geosciences (Switzerland)</i> , 2023, 13, 95.	1.0	1
332	Indian Ocean variability changes in the Paleoclimate Modelling Intercomparison Project. <i>Climate of the Past</i> , 2023, 19, 681-701.	1.3	3
333	A 258-year-long data set of temperature and precipitation fields for Switzerland since 1763. <i>Climate of the Past</i> , 2023, 19, 703-729.	1.3	2
334	Seasonal and regional contrasts of future trends in interannual arctic climate variability. <i>Climate Dynamics</i> , 0, , .	1.7	1
335	Volcanic contribution to the 1990s North Pacific climate shift in winter. <i>Scientific Reports</i> , 2023, 13, .	1.6	0

#	ARTICLE	IF	CITATIONS
336	Acceleration of U.S. Southeast and Gulf coast sea-level rise amplified by internal climate variability. Nature Communications, 2023, 14, .	5.8	21
337	Skillful Coupled Atmosphere–Ocean Forecasts on Interannual to Decadal Timescales Using a Linear Inverse Model. Earth and Space Science, 2023, 10, .	1.1	0
338	Trends and variability in the Southern Annular Mode over the Common Era. Nature Communications, 2023, 14, .	5.8	11
378	Modern synoptic and late Quaternary climate analog approaches in paleoclimatology. , 2023, , .		0
405	Circulation Responses in the Southern Eastern Mediterranean to Large Volcanic Eruptions: The Katmai Eruption. , 0, , .		0
407	Simulating Daily Soil Temperature in Egypt Using a High-Resolution Regional Climate Model: Sensitivity to Soil Moisture and Temperature Initial Conditions. , 0, , .		0