Possible artifacts of data biases in the recent global surf

Science 348, 1469-1472

DOI: 10.1126/science.aaa5632

Citation Report

#	Article	lF	Citations
4	Better predictions, better allocations: scientific advances and adaptation to climate change. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20150122.	3.4	7
5	Maternal response to environmental unpredictability. Ecology and Evolution, 2015, 5, 4567-4577.	1.9	9
6	Investigating the recent apparent hiatus in surface temperature increases: 1. Construction of two 30â€member Earth System Model ensembles. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8575-8596.	3.3	8
7	Rapid and highly variable warming of lake surface waters around the globe. Geophysical Research Letters, 2015, 42, 10,773.	4.0	767
8	Determining the likelihood of pauses and surges in global warming. Geophysical Research Letters, 2015, 42, 5974-5982.	4.0	41
9	Changes in the geopotential height at 500 hPa under the influence of external climatic forcings. Geophysical Research Letters, 2015, 42, 10,798.	4.0	45
10	On the definition and identifiability of the alleged "hiatus―in global warming. Scientific Reports, 2015, 5, 16784.	3.3	57
11	Seasonality of tropical <scp>P</scp> acific decadal trends associated with the 21st century global warming hiatus. Journal of Geophysical Research: Oceans, 2015, 120, 6782-6798.	2.6	22
12	Eurasian winter cooling in the warming hiatus of 1998–2012. Geophysical Research Letters, 2015, 42, 8131-8139.	4.0	117
13	Granger causality from changes in level of atmospheric CO ₂ to global surface temperature and the El Niño–Southern Oscillation, and a candidate mechanism in global photosynthesis. Atmospheric Chemistry and Physics, 2015, 15, 11571-11592.	4.9	14
14	Using scaling for macroweather forecasting including the pause. Geophysical Research Letters, 2015, 42, 7148-7155.	4.0	16
15	Interhemispheric Variability of Earth's Radiation. Journals of the Atmospheric Sciences, 2015, 72, 4615-4628.	1.7	5
16	Sea level budget over 2005–2013: missing contributions and data errors. Ocean Science, 2015, 11, 789-802.	3.4	47
17	The global warming hiatus's irrelevance. Science, 2015, 350, 1482-1483.	12.6	4
18	Editorial overview: Global change biology: Insects in a hot, crowded and connected world. Current Opinion in Insect Science, 2015, 11, iv-vi.	4.4	0
20	Planetary vital signs. Nature Climate Change, 2015, 5, 969-970.	18.8	16
21	Has there been a hiatus?. Science, 2015, 349, 691-692.	12.6	189
22	Robust comparison of climate models with observations using blended land air and ocean sea surface temperatures. Geophysical Research Letters, 2015, 42, 6526-6534.	4.0	139

#	Article	IF	CITATIONS
23	Debunking the climate hiatus. Climatic Change, 2015, 133, 129-140.	3.6	44
24	Substantial increase in concurrent droughts and heatwaves in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11484-11489.	7.1	447
25	Contribution of Increased Agulhas Leakage to Tropical Atlantic Warming. Journal of Climate, 2015, 28, 9697-9706.	3.2	42
27	Benefits of assimilating thin sea ice thickness from SMOS into the TOPAZ system. Cryosphere, 2016, 10, 2745-2761.	3.9	42
28	Seasonality and Dependence in Daily Mean USCRN Temperature. SSRN Electronic Journal, 2016, , .	0.4	6
29	Generational Fossil Fuel Emissions and Generational Warming: A Note. SSRN Electronic Journal, 0, , .	0.4	7
30	Hedging Climate Risk. Financial Analysts Journal, 2016, 72, 13-32.	3.0	271
31	The United Nations: An Unconstrained Bureaucracy. SSRN Electronic Journal, 0, , .	0.4	0
32	Transient Earth system responses to cumulative carbon dioxide emissions: linearities, uncertainties, and probabilities in an observation-constrained model ensemble. Biogeosciences, 2016, 13, 1071-1103.	3.3	34
33	Impact of Asian aerosol forcing on tropical Pacific circulation and the relationship to global temperature trends. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14,403.	3.3	5
34	Tracking Climate Change through the Spatiotemporal Dynamics of the Teletherms, the Statistically Hottest and Coldest Days of the Year. PLoS ONE, 2016, 11, e0154184.	2.5	2
35	Global warming â€~hiatus' debate flares up again. Nature, 0, , .	27.8	3
36	Regional climate change and national responsibilities. Environmental Research Letters, 2016, 11 , 034009.	5.2	96
37	High Temperature Affects Photosynthetic and Molecular Processes in Fieldâ€Cultivated <i>Vitis vinifera</i> L. × <i>Vitis labrusca</i> L Photochemistry and Photobiology, 2016, 92, 446-454.	2.5	16
38	Changing river temperatures in northern Germany: trends and drivers of change. Hydrological Processes, 2016, 30, 3084-3096.	2.6	68
39	Assessing the impact of satelliteâ€based observations in sea surface temperature trends. Geophysical Research Letters, 2016, 43, 3431-3437.	4.0	13
40	The contribution of greenhouse gases to the recent slowdown in global-mean temperature trends. Environmental Research Letters, 2016, 11, 094018.	5.2	11
41	Atlantic nearâ€ŧerm climate variability and the role of a resolved Gulf Stream. Geophysical Research Letters, 2016, 43, 3964-3972.	4.0	61

#	Article	IF	Citations
43	State of the Climate in 2015. Bulletin of the American Meteorological Society, 2016, 97, Si-S275.	3.3	142
44	Prospects for a prolonged slowdown in global warming in the early 21st century. Nature Communications, 2016, 7, 13676.	12.8	44
45	Land surface temperature over global deserts: Means, variability, and trends. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14,344.	3 . 3	39
46	Warming and weakening trends of the Kuroshio during 1993–2013. Geophysical Research Letters, 2016, 43, 9200-9207.	4.0	40
47	Spatiotemporal Divergence of the Warming Hiatus over Land Based on Different Definitions of Mean Temperature. Scientific Reports, 2016, 6, 31789.	3.3	14
48	Observations, inferences, and mechanisms of the Atlantic Meridional Overturning Circulation: A review. Reviews of Geophysics, 2016, 54, 5-63.	23.0	508
49	Midâ€2000s North Atlantic shift: Heat budget and circulation changes. Geophysical Research Letters, 2016, 43, 2059-2068.	4.0	20
50	Recent trend in temperature evolution in Spanish mainland (1951–2010): from warming to hiatus. International Journal of Climatology, 2016, 36, 2405-2416.	3.5	43
51	Climate Change over West Africa: Recent Trends and Future Projections. , 2016, , 25-40.		91
52	Inference of Climate Sensitivity from Analysis of Earth's Energy Budget. Annual Review of Earth and Planetary Sciences, 2016, 44, 85-106.	11.0	95
53	Pacific sea level rise patterns and global surface temperature variability. Geophysical Research Letters, 2016, 43, 8662-8669.	4.0	24
54	Climate Change in Coastal Waters: Time Series Properties Affecting Trend Estimation. Journal of Climate, 2016, 29, 9113-9124.	3.2	19
55	The shape of impacts to come: lessons and opportunities for adaptation from uneven increases in global and regional temperatures. Climatic Change, 2016, 139, 341-349.	3.6	12
56	Twentieth century temperature trends in CMIP3, CMIP5, and CESMâ€LE climate simulations: Spatialâ€temporal uncertainties, differences, and their potential sources. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9561-9575.	3.3	15
57	Approaches to defining deltaic sustainability in the 21st century. Estuarine, Coastal and Shelf Science, 2016, 183, 275-291.	2.1	117
58	Multi-sliding time windows based changing trend of mean temperature and its association with the global-warming hiatus. Journal of Meteorological Research, 2016, 30, 232-241.	2.4	4
59	Early onset of industrial-era warming across the oceans and continents. Nature, 2016, 536, 411-418.	27.8	242
60	The global warming hiatus: Slowdown or redistribution?. Earth's Future, 2016, 4, 472-482.	6.3	134

#	ARTICLE	IF	CITATIONS
61	Energyless CO ₂ Absorption, Generation, and Fixation Using Atmospheric CO ₂ . Chemical and Pharmaceutical Bulletin, 2016, 64, 8-13.	1.3	14
62	Detecting climate signals in precipitation extremes from TRMM (1998–2013)—Increasing contrast between wet and dry extremes during the "global warming hiatus― Geophysical Research Letters, 2016, 43, 1340-1348.	4.0	29
63	The strong El Ni $ ilde{A}$ ±0 of 2015/16 and its dominant impacts on global and China's climate. Journal of Meteorological Research, 2016, 30, 283-297.	2.4	115
64	On Staying Focused: Response to Thom Brooks' <i>How Not To Save the Planet</i> . Ethics, Policy and Environment, 2016, 19, 157-159.	1.3	0
65	An observational analysis: Tropical relative to Arctic influence on midlatitude weather in the era of Arctic amplification. Geophysical Research Letters, 2016, 43, 5287-5294.	4.0	64
66	The tropical Pacific as a key pacemaker of the variable rates of global warming. Nature Geoscience, 2016, 9, 669-673.	12.9	169
67	Revisiting Whether Recent Surface Temperature Trends Agree with the CMIP5 Ensemble. Journal of Climate, 2016, 29, 8673-8687.	3.2	8
68	Coldest Temperature Extreme Monotonically Increased and Hottest Extreme Oscillated over Northern Hemisphere Land during Last 114 Years. Scientific Reports, 2016, 6, 25721.	3.3	23
69	A Hiatus of the Greenhouse Effect. Scientific Reports, 2016, 6, 33315.	3.3	11
70	A temperature reversal within the rapid Younger Dryas-Holocene warming in the North Atlantic?. Quaternary Science Reviews, 2016, 153, 199-207.	3.0	2
71	Recent pause in the growth rate of atmospheric CO2 due to enhanced terrestrial carbon uptake. Nature Communications, 2016, 7, 13428.	12.8	305
72	Optimization of operation conditions for the mitigation of nitrous oxide (N2O) emissions from aerobic nitrifying granular sludge system. Environmental Science and Pollution Research, 2016, 23, 9518-9528.	5.3	6
73	Two heretical thoughts on fusion and climate. Energy and Environment, 2016, 27, 765-784.	4.6	2
74	Initialized decadal prediction for transition to positive phase of the Interdecadal Pacific Oscillation. Nature Communications, 2016, 7, 11718.	12.8	143
75	Will surface winds weaken in response to global warming?. Environmental Research Letters, 2016, 11, 124012.	5.2	28
76	Climate change impacts on lake thermal dynamics and ecosystem vulnerabilities. Limnology and Oceanography, 2016, 61, 496-507.	3.1	69
77	Interannual variation of global net radiation flux as measured from space. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6877-6891.	3.3	10
78	Variations of the Global Net Air–Sea Heat Flux during the "Hiatus―Period (2001–10). Journal of Climate, 2016, 29, 3647-3660.	3.2	26

#	ARTICLE	IF	CITATIONS
79	An Evaluation of HIRS Near-Surface Air Temperature Product in the Arctic with SHEBA Data. Journal of Atmospheric and Oceanic Technology, 2016, 33, 453-460.	1.3	3
80	The reliability of global and hemispheric surface temperature records. Advances in Atmospheric Sciences, 2016, 33, 269-282.	4.3	79
81	Role of volcanic and anthropogenic aerosols in the recent global surface warmingÂslowdown. Nature Climate Change, 2016, 6, 936-940.	18.8	143
82	Hot and bothered: Using trait-based approaches to assess climate change vulnerability in reptiles. Biological Conservation, 2016, 204, 32-41.	4.1	85
83	Global and regional surface cooling in a warming climate: a multi-model analysis. Climate Dynamics, 2016, 46, 3899-3920.	3.8	7
84	Predictability of winter temperature in China from previous autumn Arctic sea ice. Climate Dynamics, 2016, 47, 2331-2343.	3.8	49
85	Leave politics out of science. Nature Medicine, 2016, 22, 447-447.	30.7	0
86	Caribou, water, and ice $\hat{a} \in \hat{s}$ fine-scale movements of a migratory arctic ungulate in the context of climate change. Movement Ecology, 2016, 4, 14.	2.8	52
87	Predictability of the recent slowdown and subsequent recovery of largeâ€scale surface warming using statistical methods. Geophysical Research Letters, 2016, 43, 3459-3467.	4.0	14
88	Multi-decadal satellite measurements of global volcanic degassing. Journal of Volcanology and Geothermal Research, 2016, 311, 99-134.	2.1	234
89	Allowable CO2 emissions based on regional and impact-related climate targets. Nature, 2016, 529, 477-483.	27.8	491
90	Further Exploring and Quantifying Uncertainties for Extended Reconstructed Sea Surface Temperature (ERSST) Version 4 (v4). Journal of Climate, 2016, 29, 3119-3142.	3.2	151
91	Trends and variability in weather and atmospheric deposition at UK Environmental Change Network sites (1993–2012). Ecological Indicators, 2016, 68, 21-35.	6.3	21
92	Satellite-derived changes in the permafrost landscape of central Yakutia, 2000–2011: Wetting, drying, and fires. Global and Planetary Change, 2016, 139, 116-127.	3.5	69
93	The "Pause―in Global Warming: Turning a Routine Fluctuation into a Problem for Science. Bulletin of the American Meteorological Society, 2016, 97, 723-733.	3.3	83
94	Making sense of the early-2000s warming slowdown. Nature Climate Change, 2016, 6, 224-228.	18.8	333
95	Changes in the protective mechanism of photosystem II and molecular regulation in response to high temperature stress in grapevines. Plant Physiology and Biochemistry, 2016, 101, 43-53.	5.8	23
96	Keeping the lights on for global ocean salinity observation. Nature Climate Change, 2016, 6, 228-231.	18.8	34

#	Article	IF	CITATIONS
97	Last millennium northern hemisphere summer temperatures from tree rings: Part I: The long term context. Quaternary Science Reviews, 2016, 134, 1-18.	3.0	314
98	Global observed long-term changes in temperature and precipitation extremes: A review of progress and limitations in IPCC assessments and beyond. Weather and Climate Extremes, 2016, 11, 4-16.	4.1	292
99	A New method for identifying possible causal relationships between CO2, total solar irradiance and global temperature change. Theoretical and Applied Climatology, 2017, 127, 923-938.	2.8	14
100	Multiscale evolution of surface air temperature in the arid region of Northwest China and its linkages to ocean oscillations. Theoretical and Applied Climatology, 2017, 128, 945-958.	2.8	20
101	The dynamics of the warming hiatus over the Northern Hemisphere. Climate Dynamics, 2017, 48, 429-446.	3.8	96
102	Evidence for the role of the Atlantic multidecadal oscillation and the ocean heat uptake in hiatus prediction. Theoretical and Applied Climatology, 2017, 129, 873-880.	2.8	10
103	Moisture increase in response to high-altitude warming evidenced by tree-rings on the southeastern Tibetan Plateau. Climate Dynamics, 2017, 48, 649-660.	3.8	55
104	From accelerated warming to warming hiatus in China. International Journal of Climatology, 2017, 37, 1758-1773.	3.5	38
105	Accelerating net terrestrial carbon uptake during the warming hiatus due to reduced respiration. Nature Climate Change, 2017, 7, 148-152.	18.8	151
106	Rise of toxic cyanobacterial blooms in temperate freshwater lakes: causes, correlations and possible countermeasures. Toxicological and Environmental Chemistry, 2017, 99, 543-577.	1.2	52
107	Explaining ecological shifts: the roles of temperature and primary production in the longâ€ŧerm dynamics of benthic faunal composition. Oikos, 2017, 126, 1123-1133.	2.7	12
108	Estimating Changes in Global Temperature since the Preindustrial Period. Bulletin of the American Meteorological Society, 2017, 98, 1841-1856.	3.3	238
109	Atmospheric footprint of the recent warming slowdown. Scientific Reports, 2017, 7, 40947.	3.3	10
110	Observed and Projected Changes to the Precipitation Annual Cycle. Journal of Climate, 2017, 30, 4983-4995.	3.2	46
111	Sea and land surface temperatures, ocean heat content, Earth's energy imbalance and net radiative forcing over the recent years. International Journal of Climatology, 2017, 37, 218-229.	3.5	11
112	Dynamic monitoring and prediction of Dianchi Lake cyanobacteria outbreaks in the context of rapid urbanization. Environmental Science and Pollution Research, 2017, 24, 5335-5348.	5.3	35
113	Improved estimates of ocean heat content from 1960 to 2015. Science Advances, 2017, 3, e1601545.	10.3	460
114	Ambient temperature and air quality in relation to small for gestational age and term low birthweight. Environmental Research, 2017, 155, 394-400.	7.5	82

#	Article	IF	CITATIONS
115	Process-Based Decomposition of the Decadal Climate Difference between 2002–13 and 1984–95. Journal of Climate, 2017, 30, 4373-4393.	3.2	17
116	Consecutive record-breaking high temperatures marked the handover from hiatus to accelerated warming. Scientific Reports, 2017, 7, 43735.	3.3	39
117	Increasing heat waves and warm spells in India, observed from a multiaspect framework. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3837-3858.	3.3	73
118	Delayed warming hiatus over the Tibetan Plateau. Earth and Space Science, 2017, 4, 128-137.	2.6	23
119	The subtle origins of surface-warming hiatuses. Nature Climate Change, 2017, 7, 336-339.	18.8	57
120	Decadal Prediction of Temperature: Achievements and Future Prospects. Current Climate Change Reports, 2017, 3, 99-111.	8.6	4
121	Recent Winter Precipitation Changes over Eastern China in Different Warming Periods and the Associated East Asian Jets and Oceanic Conditions. Journal of Climate, 2017, 30, 4443-4462.	3.2	40
122	Hotspots and key periods of Greenland climate change during the past six decades. Ambio, 2017, 46, 3-11.	5.5	29
123	Trajectories toward the $1.5 {\hat{A}}^{\circ} {C}$ Paris target: Modulation by the Interdecadal Pacific Oscillation. Geophysical Research Letters, 2017, 44, 4256-4262.	4.0	65
124	Reconciling controversies about the â€~global warming hiatus'. Nature, 2017, 545, 41-47.	27.8	346
125	Sea Ice Trends in Climate Models Only Accurate in Runs with Biased Global Warming. Journal of Climate, 2017, 30, 6265-6278.	3.2	114
126	Causes of differences in model and satellite tropospheric warming rates. Nature Geoscience, 2017, 10, 478-485.	12.9	40
127	Global Precipitation: Means, Variations and Trends During the Satellite Era (1979–2014). Surveys in Geophysics, 2017, 38, 679-699.	4.6	161
128	The role of external forcing and internal variability in regulating global mean surface temperatures on decadal timescales. Environmental Research Letters, 2017, 12, 034011.	5.2	41
129	Unexpected Evergreen Expansion in the Siberian Forest under Warming Hiatus. Journal of Climate, 2017, 30, 5021-5039.	3.2	18
130	Ex-ante evaluation of policy measures to enhance carbon sequestration in agricultural soils. Ecological Economics, 2017, 140, 241-250.	5.7	13
131	Experimental investigation on the influence of high temperature on viscosity, thermal conductivity and absorbance of ammonia–water nanofluids. International Journal of Refrigeration, 2017, 82, 189-198.	3.4	35
132	Quantifying the impact of early 21st century volcanic eruptions on global-mean surface temperature. Environmental Research Letters, 2017, 12, 054010.	5.2	12

#	Article	IF	CITATIONS
133	Contribution of Atlantic and Pacific Multidecadal Variability to Twentieth-Century Temperature Changes. Journal of Climate, 2017, 30, 6279-6295.	3.2	33
134	Briefing: Future climate projections allow engineering planning. Proceedings of the Institution of Civil Engineers: Forensic Engineering, 2017, 170, 54-57.	0.5	4
135	Distinct global warming rates tied to multiple ocean surface temperature changes. Nature Climate Change, 2017, 7, 486-491.	18.8	76
136	Environmental Reporting in a Post Truth World. Asia Pacific Media Educator, 2017, 27, 27-40.	0.5	2
137	How accurately do we know the temperature of the surface of the earth?. Climate Dynamics, 2017, 49, 4089-4106.	3.8	7
138	The extreme El Niño of 2015–2016 and the end of global warming hiatus. Geophysical Research Letters, 2017, 44, 3816-3824.	4.0	141
139	What Caused the Global Surface Warming Hiatus of 1998â€"2013?. Current Climate Change Reports, 2017, 3, 128-140.	8.6	67
140	New Tree-Ring Evidence from the Pyrenees Reveals Western Mediterranean Climate Variability since Medieval Times. Journal of Climate, 2017, 30, 5295-5318.	3.2	62
141	Change of the Global Ocean Vertical Heat Transport over 1993–2010. Journal of Climate, 2017, 30, 5319-5327.	3.2	15
142	Modulation of airâ€sea fluxes by extratropical planetary waves and its impact during the recent surface warming slowdown. Geophysical Research Letters, 2017, 44, 1494-1502.	4.0	8
143	Carbon Dioxide Absorption using Solid Sorbents Incorporating Purified Components of Tetraethylenepentamine. Energy Technology, 2017, 5, 1186-1190.	3.8	15
144	Assessing recent warming using instrumentally homogeneous sea surface temperature records. Science Advances, 2017, 3, e1601207.	10.3	98
145	China's CO2 emissions of a critical sector: Evidence from energy intensive industries. Journal of Cleaner Production, 2017, 142, 4270-4281.	9.3	40
146	Global wetland contribution to 2000–2012 atmospheric methane growth rate dynamics. Environmental Research Letters, 2017, 12, 094013.	5 . 2	129
147	4D Visual Delivery of Big Climate Data: A Fast Web Database Application System. Advances in Data Science and Adaptive Analysis, 2017, 09, 1750006.	0.4	2
148	The Effects of External Forcing and Internal Variability on the Formation of Interhemispheric Sea Surface Temperature Gradient Trends in the Indian Ocean. Journal of Climate, 2017, 30, 9077-9095.	3.2	4
149	Decadal Western Pacific Warm Pool Variability: A Centroid and Heat Content Study. Scientific Reports, 2017, 7, 13141.	3.3	12
150	Virtual, visible, and actionable: Data assemblages and the sightlines of justice. Big Data and Society, 2017, 4, 205395171772447.	4.5	81

#	Article	IF	CITATIONS
151	Continuously amplified warming in the Alaskan Arctic: Implications for estimating global warming hiatus. Geophysical Research Letters, 2017, 44, 9029-9038.	4.0	36
152	An Assessment: Environmental Policies Have Failed. , 0, , 59-76.		0
153	Inconsistent Subsurface and Deeper Ocean Warming Signals During Recent Global Warming and Hiatus. Journal of Geophysical Research: Oceans, 2017, 122, 8182-8195.	2.6	17
154	Estimation of the SST Response to Anthropogenic and External Forcing and Its Impact on the Atlantic Multidecadal Oscillation and the Pacific Decadal Oscillation. Journal of Climate, 2017, 30, 9871-9895.	3.2	79
156	Beyond equilibrium climate sensitivity. Nature Geoscience, 2017, 10, 727-736.	12.9	217
157	The rise in global atmospheric CO2, surface temperature, and sea level from emissions traced to major carbon producers. Climatic Change, 2017, 144, 579-590.	3.6	201
158	Extended Reconstructed Sea Surface Temperature, Version 5 (ERSSTv5): Upgrades, Validations, and Intercomparisons. Journal of Climate, 2017, 30, 8179-8205.	3.2	1,841
159	Slowdown of global surface air temperature increase and acceleration of ice melting. Earth's Future, 2017, 5, 811-822.	6.3	8
160	Importance of the pre-industrial baseline for likelihood of exceeding Paris goals. Nature Climate Change, 2017, 7, 563-567.	18.8	93
161	Hiatusâ€like decades in the absence of equatorial Pacific cooling and accelerated global ocean heat uptake. Geophysical Research Letters, 2017, 44, 7909-7918.	4.0	12
162	Beyond Counting Climate Consensus. Environmental Communication, 2017, 11, 723-730.	2.5	77
163	Extracting and Analyzing the Warming Trend in Global and Hemispheric Temperatures. Journal of Time Series Analysis, 2017, 38, 711-732.	1.2	23
164	Briefing: Global surface temperature records: an update. Proceedings of the Institution of Civil Engineers: Forensic Engineering, 2017, 170, 50-53.	0.5	4
165	Reconciliation of pH ₂₅ and pH _{insitu} acidification rates of the surface oceans: A simple conversion using only in situ temperature. Limnology and Oceanography: Methods, 2017, 15, 328-335.	2.0	16
166	Recently amplified arctic warming has contributed to a continual global warming trend. Nature Climate Change, 2017, 7, 875-879.	18.8	218
167	Recent United Kingdom and global temperature variations. Weather, 2017, 72, 323-329.	0.7	9
168	A real-time Global Warming Index. Scientific Reports, 2017, 7, 15417.	3.3	145
169	Apparent limitations in the ability of CMIP5 climate models to simulate recent multi-decadal change in surface temperature: implications for global temperature projections. Climate Dynamics, 2017, 49, 53-69.	3.8	34

#	Article	IF	Citations
170	The impacts of rising temperatures on aircraft takeoff performance. Climatic Change, 2017, 144, 381-388.	3.6	56
171	Spatiotemporal changes in frequency and intensity of high-temperature events in China during 1961–2014. Journal of Chinese Geography, 2017, 27, 1027-1043.	3.9	5
172	A reassessment of temperature variations and trends from global reanalyses and monthly surface climatological datasets. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 101-119.	2.7	105
173	Spatiotemporal Temperature Variability over the Tibetan Plateau: Altitudinal Dependence Associated with the Global Warming Hiatus. Journal of Climate, 2017, 30, 969-984.	3.2	73
174	More frequent showers and thunderstorm days under a warming climate: evidence observed over Northern Eurasia from 1966 to 2000. Climate Dynamics, 2017, 49, 1933-1944.	3.8	11
175	Underestimated warming of northern Canada in the Berkeley Earth temperature product. International Journal of Climatology, 2017, 37, 1746-1757.	3.5	20
176	Comparisons of Time Series of Annual Mean Surface Air Temperature for China since the 1900s: Observations, Model Simulations, and Extended Reanalysis. Bulletin of the American Meteorological Society, 2017, 98, 699-711.	3.3	50
177	Comparing Tropospheric Warming in Climate Models and Satellite Data. Journal of Climate, 2017, 30, 373-392.	3.2	72
178	Global land surface evaporation trend during the past half century: Corroboration by Clausius-Clapeyron scaling. Advances in Water Resources, 2017, 106, 3-5.	3.8	24
179	ICOADS Release 3.0: a major update to the historical marine climate record. International Journal of Climatology, 2017, 37, 2211-2232.	3.5	288
180	Persisting and strong warming hiatus over eastern China during the past two decades. Environmental Research Letters, 2017, 12, 104010.	5.2	13
181	Multi-model simulations of aerosol and ozone radiative forcing due to anthropogenic emission changes during the periodÂ1990–2015. Atmospheric Chemistry and Physics, 2017, 17, 2709-2720.	4.9	87
182	Homogenization methods for the Sea Surface Temperature Data over the South China Seas. IOP Conference Series: Earth and Environmental Science, 2017, 52, 012046.	0.3	0
183	Regional-Level Carbon Emissions Modelling and Scenario Analysis: A STIRPAT Case Study in Henan Province, China. Sustainability, 2017, 9, 2342.	3.2	28
184	Comparative Study of Different Stochastic Weather Generators for Long-Term Climate Data Simulation. Climate, 2017, 5, 26.	2.8	50
185	Deconstructing Global Temperature Anomalies: An Hypothesis. Climate, 2017, 5, 83.	2.8	4
186	Differences in Human versus Lightning Fires between Urban and Rural Areas of the Boreal Forest in Interior Alaska. Forests, 2017, 8, 422.	2.1	11
187	Change in Future Rainfall Characteristics in the Mekrou Catchment (Benin), from an Ensemble of 3 RCMs (MPI-REMO, DMI-HIRHAM5 and SMHI-RCA4). Hydrology, 2017, 4, 14.	3.0	6

#	Article	IF	CITATIONS
188	Characterizing and attributing the warming trend in sea and land surface temperatures. Atmosfera, 2017, 30, 163-187.	0.8	8
189	Trends in summer bottom-water temperatures on the northern Gulf of Mexico continental shelf from 1985 to 2015. PLoS ONE, 2017, 12, e0184350.	2.5	35
190	Evolution of climatic conditions and its potential impact on sweet cherry in RBIP Holovousy Ltd Acta Horticulturae, 2017, , 13-18.	0.2	0
191	Northern Eurasia Future Initiative (NEFI): facing the challenges and pathways of global change in the twenty-first century. Progress in Earth and Planetary Science, 2017, 4, .	3.0	69
193	Long Term Temperature Trends in Daily Station Data: USHCN. SSRN Electronic Journal, 2017, , .	0.4	2
194	A History and Assessment of Environmental Policies. , 0, , 41-42.		0
195	Comparison of land surface humidity between observations and CMIP5 models. Earth System Dynamics, 2017, 8, 719-747.	7.1	33
196	Information, Misinformation and the Climate Change Debate. Environment Pollution and Climate Change, 2017, 01, .	0.1	0
197	Response of export production and dissolved oxygen concentrations in oxygen minimum zones to & amp; t; & amp;gt;p& amp; t; & amp;gt;CO& amp; t;sub& amp;gt;2& amp; t; sub& amp;gt; and temperature stabilization scenarios in the biogeochemical model HAMOCC 2.0. Biogeosciences, 2017, 14, 781-797.	3.3	4
198	Observationâ€based detection and attribution of 21st century climate change. Wiley Interdisciplinary Reviews: Climate Change, 2018, 9, e511.	8.1	12
199	Trends in continental temperature and humidity directly linked to ocean warming. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4863-4868.	7.1	184
200	Climate Change in the Global South: Trends and Spatial Patterns. Springer Climate, 2018, , 1-25.	0.6	5
201	Mechanisms Controlling Global Mean Sea Surface Temperature Determined From a State Estimate. Geophysical Research Letters, 2018, 45, 3221-3227.	4.0	3
202	Intercomparison of the Extended Reconstructed Sea Surface Temperature v4 and v3b Datasets. Journal of Ocean University of China, 2018, 17, 209-218.	1.2	1
203	Unusually warm Indian Ocean sea surface temperatures help to arrest development of El Ni $ ilde{A}$ ±0 in 2014. Scientific Reports, 2018, 8, 2249.	3.3	20
204	Maximum and Minimum Soil Surface Temperature Trends Over China, 1965–2014. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2004-2016.	3.3	25
205	The Effect of Elevation Bias in Interpolated Air Temperature Data Sets on Surface Warming in China During 1951–2015. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2141-2151.	3.3	3
206	Potential Large-Scale Forcing Mechanisms Driving Enhanced North Atlantic Tropical Cyclone Activity since the Mid-1990s. Journal of Climate, 2018, 31, 1377-1397.	3.2	12

#	Article	IF	CITATIONS
207	Quantifying the response of wheat yields to heat stress: The role of the experimental setup. Field Crops Research, 2018, 217, 93-103.	5.1	44
208	Evaluating biases in sea surface temperature records using coastal weather stations. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 670-681.	2.7	29
209	Comparison of the activities of photosystem II of four table grapevine cultivars during high-temperature stress. Horticulture Environment and Biotechnology, 2018, 59, 363-371.	2.1	2
210	Increasing occurrence of cold and warm extremes during the recent global warming slowdown. Nature Communications, 2018, 9, 1724.	12.8	165
211	Major threats of pollution and climate change to global coastal ecosystems and enhanced management for sustainability. Environmental Pollution, 2018, 239, 670-680.	7. 5	213
212	Weak Cooling of Cold Extremes Versus Continued Warming of Hot Extremes in China During the Recent Global Surface Warming Hiatus. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4073-4087.	3.3	46
213	Evaluating SST Analyses with Independent Ocean Profile Observations. Journal of Climate, 2018, 31, 5015-5030.	3.2	46
214	Informed Nonnegative Matrix Factorization Methods for Mobile Sensor Network Calibration. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 667-682.	2.8	15
215	Early emergence of anthropogenically forced heat waves in the western United States and Great Lakes. Nature Climate Change, 2018, 8, 414-420.	18.8	52
217	The Paris warming targets: emissions requirements and sea level consequences. Climatic Change, 2018, 147, 31-45.	3.6	39
218	The â€^Alice in Wonderland' mechanics of the rejection of (climate) science: simulating coherence by conspiracism. SynthÃ^se, 2018, 195, 175-196.	1.1	41
219	Narrowing the surface temperature range in CMIP5 simulations over the Arctic. Theoretical and Applied Climatology, 2018, 132, 1073-1088.	2.8	2
220	May common model biases reduce CMIP5's ability to simulate the recent Pacific La Niña-like cooling?. Climate Dynamics, 2018, 50, 1335-1351.	3.8	75
221	Balancing China's climate damage risk against emission control costs. Mitigation and Adaptation Strategies for Global Change, 2018, 23, 387-403.	2.1	13
222	A new integrated and homogenized global monthly land surface air temperature dataset for the period since 1900. Climate Dynamics, 2018, 50, 2513-2536.	3.8	56
223	A remarkable climate warming hiatus over Northeast China since 1998. Theoretical and Applied Climatology, 2018, 133, 579-594.	2.8	34
225	Energy and Climate $\hat{a}\in$ "Global Trends and Their Implications for Delta Restoration. Estuaries of the World, 2018, , 77-92.	0.1	2
226	Global land surface air temperature dynamics since 1880. International Journal of Climatology, 2018, 38, e466.	3.5	25

#	Article	IF	Citations
227	Warming across decades and deciles: minimum and maximum daily temperatures in China, 1955–2014. International Journal of Climatology, 2018, 38, 2325-2332.	3.5	9
228	Contributions of Interdecadal Pacific Oscillation and Atlantic Multidecadal Oscillation to Global Ocean Heat Content Distribution. Journal of Climate, 2018, 31, 1227-1244.	3.2	21
229	Analysis of surface air temperature variations and local urbanization effects on central Yunnan Plateau, SW China. Theoretical and Applied Climatology, 2018, 131, 101-110.	2.8	3
231	Building security in the arctic region of eastern Siberia. MATEC Web of Conferences, 2018, 245, 03022.	0.2	0
232	A fluctuation in surface temperature in historical context: reassessment and retrospective on the evidence. Environmental Research Letters, 2018, 13, 123008.	5.2	23
233	The â€~pause' in global warming in historical context: (II). Comparing models to observations. Environmental Research Letters, 2018, 13, 123007.	5.2	17
237	Understanding the Recent Global Surface Warming Slowdown: A Review. Climate, 2018, 6, 82.	2.8	22
238	Decadal Ocean Heat Redistribution Since the Late 1990s and Its Association with Key Climate Modes. Climate, 2018, 6, 91.	2.8	18
239	Distinguishing Trends and Shifts from Memory in Climate Data. Journal of Climate, 2018, 31, 9519-9543.	3.2	35
240	An Ocean View of the Global Surface Warming Hiat. Oceanography, 2018, 31, .	1.0	23
241	Statistical analysis of coverage error in simple global temperature estimators. Dynamics and Statistics of the Climate System, 2018, 3, .	0.8	11
242	The Life and Death of the Recent Global Surface Warming Hiatus Parsimoniously Explained. Climate, 2018, 6, 64.	2.8	7
243	The early 20th century warming: Anomalies, causes, and consequences. Wiley Interdisciplinary Reviews: Climate Change, 2018, 9, e522.	8.1	116
244	Volume 5 Overview: Recent progress in Remote Sensing of Earth's Energy Budget. , 2018, , 1-31.		6
245	Addressing on Abrupt Global Warming, Warming Trend Slowdown and Related Features in Recent Decades. Frontiers in Earth Science, 2018, 6, .	1.8	9
246	Genetic diversity and gene flow of the threatened Brazilian endemic parrotfish Scarus trispinosus (Valenciennes, 1840). Marine Environmental Research, 2018, 142, 155-162.	2.5	12
247	Warming in the Agulhas Region during the Global Surface Warming Acceleration and Slowdown. Scientific Reports, 2018, 8, 13452.	3.3	2
248	Identifying the early 2000s hiatus associated with internal climate variability. Scientific Reports, 2018, 8, 13602.	3.3	11

#	Article	IF	CITATIONS
249	Volcanic Radiative Forcing From 1979 to 2015. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12491-12508.	3.3	87
250	Predicted Chance That Global Warming Will Temporarily Exceed 1.5°C. Geophysical Research Letters, 2018, 45, 11,895.	4.0	31
251	Possible Impact of Spatial and Temporal Non-Uniformity in Land Surface Temperature Data on Trend Estimation. Journal of Meteorological Research, 2018, 32, 819-828.	2.4	4
253	Decadal Coupled Ocean–Atmosphere Interaction in North Atlantic and Global Warming Hiatus. , 0, , 131-143.		6
254	No Impact of Anthropogenic Aerosols on Early 21st Century Global Temperature Trends in a Large Initialâ€Condition Ensemble. Geophysical Research Letters, 2018, 45, 9245-9252.	4.0	25
255	Volcanic impact on the climate – the stratospheric aerosol load in the period 2006–2015. Atmospheric Chemistry and Physics, 2018, 18, 11149-11169.	4.9	21
256	State of the Climate in 2017. Bulletin of the American Meteorological Society, 2018, 99, Si-S310.	3.3	160
257	Volume 8 Overview:ÂProgress in Ocean Remote Sensing. , 2018, , 1-42.		0
258	A Recent Reversal in the Poleward Shift of Western North Pacific Tropical Cyclones. Geophysical Research Letters, 2018, 45, 9944-9952.	4.0	11
259	Intrinsic Pink-Noise Multidecadal Global Climate Dynamics Mode. Physical Review Letters, 2018, 121, 108701.	7.8	17
260	A Multicointegration Model of Global Climate Change. SSRN Electronic Journal, 2018, , .	0.4	1
261	Spatial behaviour of daily observed extreme temperatures in Northern Chile (1966–2015): data quality, warming trends, and its orographic and latitudinal effects. Stochastic Environmental Research and Risk Assessment, 2018, 32, 3503-3523.	4.0	15
262	Heatstroke at home: Prediction by thermoregulation modeling. Building and Environment, 2018, 137, 147-156.	6.9	38
263	CMIP5 Model-based Assessment of Anthropogenic Influence on Record Global Warmth During 2016. Bulletin of the American Meteorological Society, 2018, 99, S11-S15.	3.3	27
264	Signal detection in global mean temperatures after "Paris― an uncertainty and sensitivity analysis. Climate of the Past, 2018, 14, 139-155.	3.4	7
265	Climate Change in the 21st Century: Looking Beyond the Paris Agreement. Climate Change Management, 2018, , 15-38.	0.8	6
266	The Science of Adaptation to Extreme Heat. , 2018, , 89-103.		9
267	Climate sensitivity estimates – sensitivity to radiative forcing time series and observational data. Earth System Dynamics, 2018, 9, 879-894.	7.1	21

#	Article	IF	CITATIONS
268	Inference Related to Common Breaks in a Multivariate System With Joined Segmented Trends With Applications to Global and Hemispheric Temperatures. SSRN Electronic Journal, 2018, , .	0.4	1
270	Roles of SST versus Internal Atmospheric Variability in Winter Extreme Precipitation Variability along the U.S. West Coast. Journal of Climate, 2018, 31, 8039-8058.	3.2	39
271	Is It Possible to Distinguish Global and Regional Climate Change from Urban Land Cover Induced Signals? A Mid-Latitude City Example. Urban Science, 2018, 2, 12.	2.3	16
272	Climate Record: Surface Temperature Trends \hat{a} 7., 2018, , .		0
273	Is the global sea surface temperature rise accelerating?. Geodesy and Geodynamics, 2018, 9, 432-438.	2.2	22
274	Inter-decadal change of the lagged inter-annual relationship between local sea surface temperature and tropical cyclone activity over the western North Pacific. Theoretical and Applied Climatology, 2018, 134, 707-720.	2.8	6
276	Slowdown of spring green-up advancements in boreal forests. Remote Sensing of Environment, 2018, 217, 191-202.	11.0	39
277	Decoding Hosing and Heating Effects on Global Temperature and Meridional Circulations in a Warming Climate. Journal of Climate, 2018, 31, 9605-9623.	3.2	11
278	Episodic Arctic CO2 Limitation in the West Svalbard Shelf. Frontiers in Marine Science, 2018, 5, .	2.5	25
279	Causes of irregularities in trends of global mean surface temperature since the late 19th century. Science Advances, 2018, 4, eaao5297.	10.3	67
280	Ensemble-based CMIP5 simulations of West African summer monsoon rainfall: current climate and future changes. Theoretical and Applied Climatology, 2019, 136, 1021-1031.	2.8	23
281	Regime shift of global oceanic evaporation in the late 1990s using OAFlux dataset. Theoretical and Applied Climatology, 2019, 136, 1407-1417.	2.8	2
282	Characteristics of vegetation activity and its responses to climate change in desert/grassland biome transition zones in the last 30Âyears based on GIMMS3g. Theoretical and Applied Climatology, 2019, 136, 915-928.	2.8	30
283	Satellite-based regional warming hiatus in China and its implication. Science of the Total Environment, 2019, 648, 1394-1402.	8.0	29
284	Correcting datasets leads to more homogeneous early-twentieth-century sea surface warming. Nature, 2019, 571, 393-397.	27.8	51
285	Estimating and tracking the remaining carbon budget for stringent climate targets. Nature, 2019, 571, 335-342.	27.8	229
286	Renewable energy, carbon emission and economic growth: A revised environmental Kuznets Curve perspective. Journal of Cleaner Production, 2019, 235, 1338-1352.	9.3	231
287	Exploring regional differences in the impact of high energy-intensive industries on CO2 emissions: Evidence from a panel analysis in China. Environmental Science and Pollution Research, 2019, 26, 26229-26241.	5.3	15

#	Article	IF	CITATIONS
288	44 Fate of Mediterranean Scleractinian Cold-Water Corals as a Result of Global Climate Change. A Synthesis. Coral Reefs of the World, 2019, , 517-529.	0.7	8
289	The Role of Buoy and Argo Observations in Two SST Analyses in the Global and Tropical Pacific Oceans. Journal of Climate, 2019, 32, 2517-2535.	3.2	22
290	What Caused Recent Shifts in Tropical Pacific Decadal Seaâ€Level Trends?. Journal of Geophysical Research: Oceans, 2019, 124, 7575-7590.	2.6	9
291	Evaluation of CNRM Earth System Model, CNRMâ€ESM2â€1: Role of Earth System Processes in Presentâ€Day and Future Climate. Journal of Advances in Modeling Earth Systems, 2019, 11, 4182-4227.	3.8	309
292	Does foreign investment liberalisation enhance women's economic status? Microâ€evidence from urban China. World Economy, 2019, 42, 3404-3429.	2.5	5
293	Influence of instrumentation on long temperature time series. Climatic Change, 2019, 156, 385-404.	3.6	11
294	NDVI–Climate relationships in high-latitude mountains of Alaska and Yukon Territory. Arctic, Antarctic, and Alpine Research, 2019, 51, 397-411.	1.1	12
295	A link of China warming hiatus with the winter sea ice loss in Barents–Kara Seas. Climate Dynamics, 2019, 53, 2625-2642.	3.8	25
296	Monetary and Social Rewards for Crowdsourcing. Sustainability, 2019, 11, 2834.	3.2	41
297	Toward a Combined Surface Temperature Data Set for the Arctic From the Along†Track Scanning Radiometers. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6718-6736.	3.3	2
298	An Ensemble Data Set of Sea Surface Temperature Change From 1850: The Met Office Hadley Centre HadSST.4.0.0.0 Data Set. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7719-7763.	3.3	143
299	An Enhanced Ocean Acidification Observing Network: From People to Technology to Data Synthesis and Information Exchange. Frontiers in Marine Science, 2019, 6, .	2.5	48
300	Geographical Distribution of Thermometers Gives the Appearance of Lower Historical Global Warming. Geophysical Research Letters, 2019, 46, 7654-7662.	4.0	9
301	The Polar Amplification Model Intercomparison Project (PAMIP) contribution to CMIP6: investigating the causes and consequences of polar amplification. Geoscientific Model Development, 2019, 12, 1139-1164.	3.6	168
302	Temperature influence on peatland carbon accumulation over the last century in Northeast China. Climate Dynamics, 2019, 53, 2161-2173.	3.8	9
303	Evaluation of reanalysis air temperature products in permafrost regions on the Qinghai-Tibetan Plateau. Theoretical and Applied Climatology, 2019, 138, 1457-1470.	2.8	23
304	Robust skill of decadal climate predictions. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	136
305	Improvements in the GISTEMP Uncertainty Model. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6307-6326.	3.3	474

#	Article	IF	CITATIONS
306	Synergistic Effects of Climate and Land-Cover Change on Long-Term Bird Population Trends of the Western USA: A Test of Modeled Predictions. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	22
307	Spatialâ€Temporal Variation of Lake Surface Water Temperature and Its Driving Factors in Yunnanâ€Guizhou Plateau. Water Resources Research, 2019, 55, 4688-4703.	4.2	108
308	A Limited Role for Unforced Internal Variability in Twentieth-Century Warming. Journal of Climate, 2019, 32, 4893-4917.	3.2	68
309	The global warming hiatus has faded away: An analysis of 2014–2016 global surface air temperatures. International Journal of Climatology, 2019, 39, 4853-4868.	3.5	29
310	Abrupt temperature change and a warming hiatus from 1951 to 2014 in Inner Mongolia, China. Journal of Arid Land, 2019, 11, 192-207.	2.3	4
311	Recent global warming as confirmed by AIRS. Environmental Research Letters, 2019, 14, 044030.	5.2	57
312	Changes in air temperature over China in response to the recent global warming hiatus. Journal of Chinese Geography, 2019, 29, 496-516.	3.9	38
313	Altitudinal disparity in growth of Dahurian larch (Larix gmelinii Rupr.) in response to recent climate change in northeast China. Science of the Total Environment, 2019, 670, 466-477.	8.0	40
314	Interannual Variability and Seasonality of Precipitation in the Indus River Basin. Journal of Hydrometeorology, 2019, 20, 379-395.	1.9	5
315	50 Years of Satellite Remote Sensing of the Ocean. Meteorological Monographs, 2019, 59, 5.1-5.46.	5.0	24
316	Systematic Differences in Bucket Sea Surface Temperature Measurements among Nations Identified Using a Linear-Mixed-Effect Method. Journal of Climate, 2019, 32, 2569-2589.	3.2	18
317	Review of climate change issues: A forcing function perspective in agricultural and energy innovation. International Journal of Energy Research, 2019, 43, 2200-2215.	4.5	19
318	Site and age-dependent responses of Picea abies growth to climate variability. European Journal of Forest Research, 2019, 138, 445-460.	2.5	8
319	Regional differences in shifts of temperature trends across China between 1980 and 2017. International Journal of Climatology, 2019, 39, 1157-1165.	3.5	15
320	Remote sensing of earth's energy budget: synthesis and review. International Journal of Digital Earth, 2019, 12, 737-780.	3.9	105
321	How real are observed trends in small correlated datasets?. Royal Society Open Science, 2019, 6, 181089.	2.4	4
322	Design of an integrated climatic assessment indicator (ICAI) for wheat production: A case study in Jiangsu Province, China. Ecological Indicators, 2019, 101, 943-953.	6.3	61
323	Rapid Changes in Landâ€Sea Thermal Contrast Across China's Coastal Zone in a Warming Climate. Journal of Geophysical Research D: Atmospheres, 2019, 124, 2049-2067.	3.3	7

#	Article	IF	CITATIONS
324	Relative roles of dynamic and thermodynamic processes in causing positive and negative global mean SST trends during the past 100 years. Dynamics of Atmospheres and Oceans, 2019, 86, 18-32.	1.8	3
325	The Indus Deltaâ€"Catchment, River, Coast, and People. , 2019, , 213-232.		8
326	Change point analysis of global temperature records. International Journal of Climatology, 2019, 39, 3679-3688.	3.5	21
327	June Temperature Trends in the Southwest Deserts of the USA (1950–2018) and Implications for Our Urban Areas. Atmosphere, 2019, 10, 800.	2.3	5
328	Month-to-Month Variability of Autumn Sea Ice in the Barents and Kara Seas and Its Relationship to Winter Air Temperature in China. Advances in Meteorology, 2019, 2019, 1-13.	1.6	7
329	Spatiotemporal Change of Vegetation Coverage and its Relationship with Climate Change in Freshwater Marshes of Northeast China. Wetlands, 2019, 39, 429-439.	1.5	32
330	The Gulf of Mexico. , 2019, , 445-464.		15
331	Regional trend changes in recent surface warming. Climate Dynamics, 2019, 52, 6463-6473.	3.8	3
332	Experimental investigation on enhancement of ammonia absorption process with TiO2 nanoparticles in newly designed absorber. International Journal of Refrigeration, 2019, 100, 93-103.	3.4	12
333	Measurement of the Current in 2G HTS Coil With Rogowski Coil in Cryogenic Environment. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	3
334	Taking climate model evaluation to the next level. Nature Climate Change, 2019, 9, 102-110.	18.8	407
335	Implication of data uncertainty in the detection of surface radiation trends and observational evidence of renewed solar dimming over India. Theoretical and Applied Climatology, 2019, 137, 2663-2680.	2.8	3
336	The Importance of Unresolved Biases in Twentieth-Century Sea Surface Temperature Observations. Bulletin of the American Meteorological Society, 2019, 100, 621-629.	3.3	15
337	Orientation of an Amphiphilic Copolymer to a Lamellar Structure on a Hydrophobic Surface and Implications for CO 2 Capture Membranes. Angewandte Chemie - International Edition, 2019, 58, 1143-1147.	13.8	19
338	Erosional Responses of Eastern and Western Coastal Regions of India, Under Global, Regional, and Local Scale Causes., 2019, , 155-179.		2
339	Orientation of an Amphiphilic Copolymer to a Lamellar Structure on a Hydrophobic Surface and Implications for CO 2 Capture Membranes. Angewandte Chemie, 2019, 131, 1155-1159.	2.0	9
340	Comparison of the abilities of vegetation indices and photosynthetic parameters to detect heat stress in wheat. Agricultural and Forest Meteorology, 2019, 265, 121-136.	4.8	33
341	Warming slowdown over the Tibetan plateau in recent decades. Theoretical and Applied Climatology, 2019, 135, 1375-1385.	2.8	20

#	Article	IF	Citations
342	When Will People Pay to Pollute? Environmental Taxes, Political Trust and Experimental Evidence from Britain. British Journal of Political Science, 2019, 49, 661-682.	3.1	46
343	Detecting patterns of climate change in long-term forecasts of marine environmental parameters. International Journal of Digital Earth, 2020, 13, 567-585.	3.9	10
344	Inference related to common breaks in a multivariate system with joined segmented trends with applications to global and hemispheric temperatures. Journal of Econometrics, 2020, 214, 130-152.	6.5	10
345	A multicointegration model of global climate change. Journal of Econometrics, 2020, 214, 175-197.	6.5	12
346	Age- and region-related response of radial growth to climate warming and a warming hiatus. Trees - Structure and Function, 2020, 34, 199-212.	1.9	3
347	Seepage, objectivity, and climate science. Studies in History and Philosophy of Science Part A, 2020, 81, 74-81.	1.2	1
348	Spatial analysis of temperature time series over the Upper Indus Basin (UIB) Pakistan. Theoretical and Applied Climatology, 2020, 139, 741-758.	2.8	37
349	Two dominant factors governing the decadal cooling anomalies in winter in East China during the global hiatus period. International Journal of Climatology, 2020, 40, 750-768.	3.5	10
350	Air temperature changes in the Arctic in the period 1951–2015 in the light of observational and reanalysis data. Theoretical and Applied Climatology, 2020, 139, 75-94.	2.8	24
351	High porosity with tiny pore constrictions and unbending pathways characterize the 3D structure of intervessel pit membranes in angiosperm xylem. Plant, Cell and Environment, 2020, 43, 116-130.	5.7	60
352	Reconstructed global monthly land airÂtemperature dataset (1880–2017). Geoscience Data Journal, 2020, 7, 4-12.	4.4	2
353	Continental scale surface air temperature variations: Experience derived from the Chinese region. Earth-Science Reviews, 2020, 200, 102998.	9.1	24
354	Uncertainty Estimates for Sea Surface Temperature and Land Surface Air Temperature in NOAAGlobalTemp Version 5. Journal of Climate, 2020, 33, 1351-1379.	3.2	54
355	Individualâ€based relative deprivation as a response to interpersonal help: The roles of status discrepancy and type of help. British Journal of Social Psychology, 2020, 59, 329-346.	2.8	4
356	Decadal Attribution of Historic Temperature and Ocean Heat Content Change to Anthropogenic Emissions. Geophysical Research Letters, 2020, 47, e2019GL085905.	4.0	5
357	From Data Collectors to Data Producers: Shifting Students' Relationship to Data. Journal of the Learning Sciences, 2020, 29, 104-126.	2.9	40
358	A new compilation of globally gridded nightâ€ŧime marine air temperatures: The UAHNMATv1 dataset. International Journal of Climatology, 2020, 40, 2609-2623.	3.5	7
359	Stable Isotope Evidence for Recent Global Warming Hiatus. Journal of Earth Science (Wuhan, China), 2020, 31, 419-424.	3.2	8

#	Article	IF	CITATIONS
360	Soybean yield, nutrient uptake and stoichiometry under different climate regions of northeast China. Scientific Reports, 2020, 10, 8431.	3.3	15
361	Validation of Satellite Sea Surface Temperatures and Long-Term Trends in Korean Coastal Regions over Past Decades (1982–2018). Remote Sensing, 2020, 12, 3742.	4.0	10
362	Lake surface water temperature prediction and changing characteristics analysis - A case study of 11 natural lakes in Yunnan-Guizhou Plateau. Journal of Cleaner Production, 2020, 276, 122689.	9.3	33
363	Variability of global mean annual temperature is significantly influenced by the rhythm of ocean-atmosphere oscillations. Science of the Total Environment, 2020, 747, 141256.	8.0	24
364	North Atlantic climate far more predictable than models imply. Nature, 2020, 583, 796-800.	27.8	158
365	1981–2019 Vegetation Health Trends Assessing Malaria Conditions During Intensive Global Warming. Springer Remote Sensing/photogrammetry, 2020, , 219-263.	0.4	1
366	Remote Sensing for Malaria. Springer Remote Sensing/photogrammetry, 2020, , .	0.4	9
367	Bayesian Spatial Field Reconstruction With Unknown Distortions in Sensor Networks. IEEE Transactions on Signal Processing, 2020, 68, 4336-4351.	5.3	3
369	Responses of abrupt temperature changes/warming hiatuses to changes in their influencing factors: A case study of northern China. Meteorological Applications, 2020, 27, e1937.	2.1	5
370	Spatio-Temporal Variation of Drought within the Vegetation Growing Season in North Hemisphere (1982–2015). Water (Switzerland), 2020, 12, 2146.	2.7	8
371	Projection of weather potential for winter haze episodes in Beijing by 1.5°C and 2.0°C global warming. Advances in Climate Change Research, 2020, 11, 218-226.	5.1	6
372	A New Evaluation of the Role of Urbanization to Warming at Various Spatial Scales: Evidence From the Guangdongâ∈Hong Kongâ∈Macau Region, China. Geophysical Research Letters, 2020, 47, e2020GL089152.	4.0	27
373	The ERA5 global reanalysis. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 1999-2049.	2.7	10,272
374	On the interchangeability of sea-surface and near-surface air temperature anomalies in climatologies. Scientific Reports, 2020, 10, 7433.	3.3	5
375	Climate Change, Climate Policy, and Economic Growth. NBER Macroeconomics Annual, 2020, 34, 399-419.	3.8	22
376	Altered redox processes, defense responses, and flowering time are associated with survival of the temperate Camelina sativa under subtropical conditions. Environmental and Experimental Botany, 2020, 177, 104132.	4.2	1
377	Consistency of global warming trends strengthened since 1880s. Science Bulletin, 2020, 65, 1709-1712.	9.0	27
378	Spatial and temporal variability of the abrupt interannual temperature change and warming hiatus in China, 1951–2016. Meteorological Applications, 2020, 27, e1911.	2.1	5

#	Article	IF	CITATIONS
379	Understanding and assessing uncertainty of observational climate datasets for model evaluation using ensembles. Wiley Interdisciplinary Reviews: Climate Change, 2020, 11, e654.	8.1	23
380	Near 40-year drought trend during 1981-2019 earth warming and food security. Geomatics, Natural Hazards and Risk, 2020, 11, 469-490.	4.3	21
381	Research on water temperature prediction based on improved support vector regression. Neural Computing and Applications, 2022, 34, 8501-8510.	5.6	72
382	Hydrological cycle changes under global warming and their effects on multiscale climate variability. Annals of the New York Academy of Sciences, 2020, 1472, 21-48.	3.8	13
383	Multidecadal modulations of key metrics of global climate change. Global and Planetary Change, 2020, 188, 103149.	3.5	18
384	Skilful interannual climate prediction from two large initialised model ensembles. Environmental Research Letters, 2020, 15, 094083.	5.2	25
385	A robust relationship between multidecadal global warming rate variations and the Atlantic Multidecadal Variability. Climate Dynamics, 2020, 55, 1945-1959.	3.8	7
386	MOTEDAS century: A new highâ€resolution secular monthly maximum and minimum temperature grid for the Spanish mainland (1916–2015). International Journal of Climatology, 2020, 40, 5308-5328.	3.5	13
387	Spatial Variability in Years of Abrupt Seasonal Temperature Changes and Warming (Cooling) Hiatuses in China from 1951–2018 and the Variation Trends before and after These Years. Atmosphere, 2020, 11, 82.	2.3	3
388	Should We Expect Each Year in the Next Decade (2019–28) to Be Ranked among the Top 10 Warmest Years Globally?. Bulletin of the American Meteorological Society, 2020, 101, E655-E663.	3.3	18
389	Spatial variation patterns of plant herbaceous community response to warming along latitudinal and altitudinal gradients in mountainous forests of the Loess Plateau, China. Environmental and Experimental Botany, 2020, 172, 103983.	4.2	17
390	Diversity and temperature indirectly reduce CO2 concentrations in experimental freshwater communities. Oecologia, 2020, 192, 515-527.	2.0	4
391	Is the cold region in Northeast China still getting warmer under climate change impact?. Atmospheric Research, 2020, 237, 104864.	4.1	74
392	Robust Multiyear Climate Impacts of Volcanic Eruptions in Decadal Prediction Systems. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031739.	3.3	15
393	Divergence in aerobic scope and thermal tolerance is related to local thermal regime in two populations of introduced Nile perch (<scp><i>Lates niloticus</i></scp>). Journal of Fish Biology, 2020, 97, 231-245.	1.6	11
394	Synchronized tropical Pacific and extratropical variability during the past three decades. Nature Climate Change, 2020, 10, 422-427.	18.8	8
395	Changes in the climatic growing season in western Anatolia, Turkey. Meteorological Applications, 2020, 27, e1897.	2.1	6
396	Relieved drought in China under a low emission pathway to $1.5 {\hat {\sf A}}^{\sf o}{\sf C}$ global warming. International Journal of Climatology, 2021, 41, E259.	3.5	3

#	Article	IF	Citations
397	Asymmetric trends of extreme temperature over the Loess Plateau during 1998–2018. International Journal of Climatology, 2021, 41, E1663.	3.5	5
398	Temporal variability of seasonal warming rates in China. International Journal of Climatology, 2021, 41, E1597.	3.5	7
399	Amplification of Winter Sea surface temperature response over East China Seas to global warming acceleration and slowdown. International Journal of Climatology, 2021, 41, 2082-2099.	3.5	5
400	An Updated Assessment of Nearâ€Surface Temperature Change From 1850: The HadCRUT5 Data Set. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2019JD032361.	3.3	299
401	Pacific variability reconciles observed and modelled global mean temperature increase since 1950. Climate Dynamics, 2021, 56, 613-634.	3.8	11
402	Renewable energy, economic development, and ecological footprint nexus: fresh evidence of renewable energy environment Kuznets curve (RKC) from income groups. Environmental Science and Pollution Research, 2021, 28, 2031-2051.	5.3	63
403	An updated evaluation of the global mean land surface air temperature and surface temperature trends based on CLSAT and CMST. Climate Dynamics, 2021, 56, 635-650.	3.8	26
404	Seasonal temperature trends on the Spanish mainland: A secular study (1916–2015). International Journal of Climatology, 2021, 41, 3071-3084.	3.5	11
405	The Assessment of Global Surface Temperature Change from 1850s: The C-LSAT2.0 Ensemble and the CMST-Interim Datasets. Advances in Atmospheric Sciences, 2021, 38, 875-888.	4.3	22
406	Threshold effects of energy mix on environmental quality. Journal of Bioeconomics, 2021, 23, 163-178.	3.3	2
407	When science is silenced: scientists fighting back against the politicization of their work. , 2021, , 329-353.		0
408	Spatial variations in the warming trend and the transition to more severe weather in midlatitudes. Scientific Reports, 2021, 11, 145.	3.3	14
409	The Spatial Transformation Process and Critical Time Node Detection in Global Extreme High Temperature Clusters. Earth and Space Science, 2021, 8, e2020EA001282.	2.6	0
410	Implementing Full Spatial Coverage in NOAA's Global Temperature Analysis. Geophysical Research Letters, 2021, 48, e2020GL090873.	4.0	18
411	Combining Statistical, Physical, and Historical Evidence to Improve Historical Sea-Surface Temperature Records. , 0, , .		0
412	Spatial patterns of long-term trends in thunderstorms in India. Natural Hazards, 2021, 107, 1527-1540.	3.4	8
413	Ring widths of Rhododendron shrubs reveal a persistent winter warming in the central Himalaya. Dendrochronologia, 2021, 65, 125799.	2.2	19
414	Assessment of global warming in Al Buraimi, sultanate of Oman based on statistical analysis of NASA POWER data over 39 years, and testing the reliability of NASA POWER against meteorological measurements. Heliyon, 2021, 7, e06625.	3.2	23

#	Article	IF	CITATIONS
415	Malaria trends in Ethiopian highlands track the 2000  slowdown' in global warming. Nature Communications, 2021, 12, 1555.	12.8	19
416	Evaluation of historic and operational satellite radar altimetry missions for constructing consistent long-term lake water level records. Hydrology and Earth System Sciences, 2021, 25, 1643-1670.	4.9	23
417	Testing for trends on a regional scale: Beyond local significance. Journal of Climate, 2021, , 1-54.	3.2	2
418	Canadian In Situ Snow Cover Trends for 1955–2017 Including an Assessment of the Impact of Automation. Atmosphere - Ocean, 2021, 59, 77-92.	1.6	9
419	Shortened Duration of Global Warming Slowdowns with Elevated Greenhouse Gas Emissions. Journal of Meteorological Research, 2021, 35, 225-237.	2.4	8
420	The 2000–2012 Global Warming Hiatus More Likely With a Low Climate Sensitivity. Geophysical Research Letters, 2021, 48, e2020GL091779.	4.0	13
421	Climate Field Completion via Markov Random Fields: Application to the HadCRUT4.6 Temperature Dataset. Journal of Climate, 2021, 34, 4169-4188.	3.2	6
422	Elevated temperatures drive the evolution of armour loss in the threespine stickleback <i>Gasterosteus aculeatus</i> . Functional Ecology, 2021, 35, 1735-1744.	3.6	2
423	The Benefits of Continuous Local Regression for Quantifying Global Warming. Earth and Space Science, 2021, 8, e2020EA001082.	2.6	5
424	Qinghai-Tibet Plateau wetting reduces permafrost thermal responses to climate warming. Earth and Planetary Science Letters, 2021, 562, 116858.	4.4	56
425	Using Climate Model Simulations to Constrain Observations. Journal of Climate, 2021, 34, 6281-6301.	3.2	11
426	Spatiotemporal variations and regional differences in air temperature in the permafrost regions in the Northern Hemisphere during 1980–2018. Science of the Total Environment, 2021, 791, 148358.	8.0	27
427	Energy and carbon performance improvement in China's mining Industry: Evidence from the 11th and 12th five-year plan. Energy Policy, 2021, 154, 112312.	8.8	32
428	Origins of a Relatively Tight Lower Bound on Anthropogenic Aerosol Radiative Forcing from Bayesian Analysis of Historical Observations. Journal of Climate, 2021, 34, 8777-8792.	3.2	3
429	Recent changes in global dryland temperature and precipitation. International Journal of Climatology, 2022, 42, 1267-1282.	3.5	26
430	Highâ€Resolution Mapping of Ice Cover Changes in Over 33,000 Lakes Across the North Temperate Zone. Geophysical Research Letters, 2021, 48, e2021GL095614.	4.0	9
431	A Kilometer-Scale Coupled Atmosphere-Wave Forecasting System for the European Arctic. Weather and Forecasting, 2021, , .	1.4	1
432	Assessment and Intercomparison of NOAA Daily Optimum Interpolation Sea Surface Temperature (DOISST) Version 2.1. Journal of Climate, 2021, 34, 7421-7441.	3.2	35

#	Article	IF	CITATIONS
433	Historical Estimates of Surface Marine Temperatures. Annual Review of Marine Science, 2021, 13, 283-311.	11.6	15
434	Benchmark estimate of the effect of anthropogenic emissions on the ocean surface. International Journal of Climatology, 2021, 41, 3010-3026.	3.5	7
435	Snow Cover—Observations, Processes, Changes, and Impacts on Northern Hydrology. , 2021, , 61-99.		3
436	Forecasting Global Warming. Springer Climate, 2017, , 51-113.	0.6	9
437	Agreeing to Disagree: Students Negotiating Visual Ambiguity Through Scientific Argumentation. Models and Modeling in Science Education, 2018, , 55-77.	0.6	1
439	Re-Assessing Climatic Warming in China since 1900. Journal of Meteorological Research, 2020, 34, 243-251.	2.4	28
440	An econometric analysis of global warming hiatus. Applied Economics Letters, 2017, 24, 1241-1246.	1.8	2
441	Seasonal trends and phenology shifts in sea surface temperature on the North American northeastern continental shelf. Elementa, 2017, 5, .	3.2	65
442	A Robust Test for OLS Trends in Daily Temperature Data. SSRN Electronic Journal, 0, , .	0.4	10
443	The Hurst Exponent of Surface Temperature: A Note. SSRN Electronic Journal, 0, , .	0.4	11
444	The Spuriousness of Correlations between Cumulative Values. SSRN Electronic Journal, 0, , .	0.4	13
445	The OLS Warming Trend at Nuuk, Greenland: A Note. SSRN Electronic Journal, 0, , .	0.4	5
446	Trend Profiles of Atmospheric Temperature Time Series. SSRN Electronic Journal, 0, , .	0.4	6
447	Effective Sample Size of the Cumulative Values of a Time Series. SSRN Electronic Journal, 0, , .	0.4	8
448	Long Term Temperature Trends in Daily Station Data: Australia. SSRN Electronic Journal, 0, , .	0.4	10
449	Trends in UAH Zonal Mean Lower Troposphere Temperatures. SSRN Electronic Journal, 0, , .	0.4	3
450	Global Cooling Through Blockchain to Avoid Catastrophic Climate Changes by 2050. SSRN Electronic Journal, 0, , .	0.4	20
451	Behavior of Self-Compacting Concrete in Simulated Hot Weather. ERJ Engineering Research Journal, 2020, 43, 223-230.	0.2	2

#	Article	IF	CITATIONS
452	Water scarcity and sustainability in the arid area of North America: Insights gained from a cross border perspective. Regions and Cohesion, 2017, 7, 6-18.	0.3	3
453	Spatial and Temporal Patterns of & amp;lt;i>ln Situ Sea Surface Temperatures within the Gulf of Mexico from 1901-2010. American Journal of Climate Change, 2016, 05, 314-343.	0.9	11
454	The Moon as a photometric calibration standard for microwave sensors. Atmospheric Measurement Techniques, 2016, 9, 3467-3475.	3.1	16
455	Estimates of climate system properties incorporating recent climate change. Advances in Statistical Climatology, Meteorology and Oceanography, 2018, 4, 19-36.	0.9	5
456	Dating hiatuses: a statistical model of the recent slowdown in global warming and the next one. Earth System Dynamics, 2020, 11, 1123-1132.	7.1	6
457	Attribution in the presence of a long-memory climate response. Earth System Dynamics, 2015, 6, 719-730.	7.1	11
458	Over 10 million seawater temperature records for the United Kingdom Continental Shelf between 1880 and 2014 from 17 Cefas (United Kingdom government) marine data systems. Earth System Science Data, 2018, 10, 27-51.	9.9	9
460	Is the future already here? The impact of climate change on the distribution of the eastern coral snake (<i>Micrurus fulvius</i>). PeerJ, 2018, 6, e4647.	2.0	17
464	Validation Satellite Sea Surface Temperature in the Coastal Regions., 2021,,.		1
465	Global Wave Height Slowdown Trend during a Recent Global Warming Slowdown. Remote Sensing, 2021, 13, 4096.	4.0	7
466	Robust detection of forced warming in the presence of potentially large climate variability. Science Advances, 2021, 7, eabh4429.	10.3	11
467	The Pause in Global Warming: A Numerical Approach. SSRN Electronic Journal, 0, , .	0.4	0
468	Climate-change â€~hiatus' disappears with new data. Nature, 0, , .	27.8	0
471	US science agency refuses request for climate records. Nature, 0, , .	27.8	0
472	US lawmakers expand probe of climate study. Nature, 0, , .	27.8	0
473	Regional Characteristics of Global Warming: Linear Projection for the Timing of Unprecedented Climate. Pada (Han'guk Haeyang Hakhoe), 2016, 21, 49-57.	0.3	1
474	Hurst Persistence in UAH Zonal Mean Lower Troposphere Temperatures. SSRN Electronic Journal, 0, , .	0.4	1
476	Controversial chairman of US House science committee to retire. Nature, 0, , .	27.8	0

#	Article	IF	CITATIONS
477	Climate Change and Food Security Current and Future. Sustainable Development Goals Series, 2019, , 191-224.	0.4	O
478	Characteristics of the Warming Trend During Winter Wheat Growing Seasons in Jiangsu Province of China. IFIP Advances in Information and Communication Technology, 2019, , 127-138.	0.7	0
479	A Review on Global Warming Attribution and Hiatus Analysis. Climate Change Research Letters, 2019, 08, 421-431.	0.1	0
481	INSTABILITY OF DAILY SUMMER AIR TEMPERATURE FROM THE BEGINNING OF THE XXI CENTURY AT KYIV WEATHER STATION. Ukrainian Geographical Journal, 2019, , 15-21.	0.9	2
482	A Successful Renal Transplant in a Pediatric Patient With Glanzmann Thrombasthenia and Hyperimmunization. Experimental and Clinical Transplantation, 2019, 17, 831-834.	0.5	0
483	The Great Pandemic of the 21st Century: The Stolen Lives. SSRN Electronic Journal, 0, , .	0.4	1
484	The World Is at a Dangerous Crossroads on 'China Virus' and US 'Political Virus'. SSRN Electronic Journal, 0, , .	0.4	3
485	Multi-Frequency Analysis of Simulated versus Observed Variability in Tropospheric Temperature. Journal of Climate, 2020, 33, 10383-10402.	3.2	7
486	A shallow ice core from East Greenland showing a reduction in black carbon during 1990–2016. Advances in Climate Change Research, 2020, 11, 360-369.	5.1	0
487	Budgets for Decadal Variability in Pacific Ocean Heat Content. Journal of Climate, 2020, 33, 7663-7678.	3.2	3
488	Atmospheric circulation internal variability contribution and global climate change. , 2020, , .		0
489	How Does Spring Phenology Respond to Climate Change in Ecologically Fragile Grassland? A Case Study from the Northeast Qinghai-Tibet Plateau. Sustainability, 2021, 13, 12781.	3.2	5
490	A Symmetry and Asymmetry Investigation of the Nexus Between Environmental Sustainability, Renewable Energy, Energy Innovation, and Trade: Evidence From Environmental Kuznets Curve Hypothesis in Selected MENA Countries. Frontiers in Energy Research, 2022, 9, .	2.3	30
491	ICT, renewable energy, financial development, and CO2 emissions in developing countries of East and South Asia. Environmental Science and Pollution Research, 2022, 29, 35025-35035.	5.3	73
492	The Ensemble Oceanic Niño Index. International Journal of Climatology, 2022, 42, 5321-5341.	3.5	8
493	A comparison of global surface temperature variability, extremes and warming trend using reanalysis datasets and <scp>CMSTâ€Interim</scp> . International Journal of Climatology, 2022, 42, 5609-5628.	3.5	11
494	Global Snowmelt Onset Reflects Climate Variability: Insights from Spaceborne Radiometer Observations. Journal of Climate, 2022, 35, 2945-2959.	3.2	5
495	Recent climate and hydrological changes in a mountain–basin system in Xinjiang, China. Earth-Science Reviews, 2022, 226, 103957.	9.1	107

#	Article	IF	CITATIONS
496	On Transportation, E Conomic a Gglomeration and Co 2 \hat{A} Emission \hat{A} In China, 2003-17. SSRN Electronic Journal, 0, , .	0.4	0
497	Sustaining life below water., 2022, , 417-501.		O
498	Revisiting the Existence of the Global Warming Slowdown during the Early Twenty-First Century. Journal of Climate, 2022, 35, 1853-1871.	3.2	5
499	Uncertainties in the global and continental surface solar radiation variations: inter-comparison of in-situ observations, reanalyses, and model simulations. Climate Dynamics, 2022, 59, 2499-2516.	3.8	6
500	Reassessing the relative role of anthropogenic aerosols and natural decadal variability in driving the mid-twentieth century global "cooling†a focus on the latitudinal gradient of tropospheric temperature. Climate Dynamics, 2022, 59, 2655-2681.	3.8	1
501	Evolution of potential evapotranspiration and its sensitivity to climate change based on the Thornthwaite, Hargreaves, and Penman–Monteith equation in environmental sensitive areas of China. Atmospheric Research, 2022, 273, 106178.	4.1	30
502	A New Globally Reconstructed Sea Surface Temperature Analysis Dataset since 1900. Journal of Meteorological Research, 2021, 35, 911-925.	2.4	4
503	WMO Global Annual to Decadal Climate Update: A Prediction for 2021–25. Bulletin of the American Meteorological Society, 2022, 103, E1117-E1129.	3.3	20
507	Air temperature effects on nitrogen and phosphorus concentration in Lake Chaohu and adjacent inflowing rivers. Aquatic Sciences, 2022, 84, .	1.5	4
508	Predicting Slowdowns in Decadal Climate Warming Trends With Explainable Neural Networks. Geophysical Research Letters, 2022, 49, .	4.0	7
509	Enhanced spring warming in a Mediterranean mountain by atmospheric circulation. Scientific Reports, 2022, 12, 7721.	3.3	3
510	Evaluation and joint projection of temperature and precipitation extremes across Canada based on hierarchical Bayesian modelling and large ensembles of regional climate simulations. Weather and Climate Extremes, 2022, 36, 100443.	4.1	7
511	On Transportation, Economic Agglomeration and Co2 ÂEmissionÂln China, 2003-17. SSRN Electronic Journal, 0, , .	0.4	0
513	Warming hiatus of extreme temperature across China's cold regions during 1998–2018. Frontiers of Earth Science, 2022, 16, 846-864.	2.1	2
514	Contributions of internal climate variability in driving global and ocean temperature variations using multi-layer perceptron neural network. Advances in Climate Change Research, 2022, 13, 459-472.	5.1	1
515	The Atlantic Multi-Decadal Oscillation. Atmosphere - Ocean, 2022, 60, 307-337.	1.6	5
516	Responses of radial growth of Picea crassifolia to climate change over three periods at different elevations in the Qilian Mountains, northwest China. Trees - Structure and Function, 2022, 36, 1721-1734.	1.9	3
518	Continued Warming of the Permafrost Regions Over the Northern Hemisphere Under Future Climate Change. Earth's Future, 2022, 10, .	6.3	5

#	ARTICLE	IF	CITATIONS
519	Assessment of trends in an integrated climate metricâ€"analysis of 200Âmbar zonal wind for the period 1958â€"2021. Theoretical and Applied Climatology, 2022, 150, 1217-1224.	2.8	1
520	Spatiotemporal change and non-stationarity of air temperature in China from 1959 to 2018. Sustainable Cities and Society, 2022, 87, 104227.	10.4	2
521	Warming changed the relationship between species diversity and primary productivity of alpine meadow on the Tibetan Plateau. Ecological Indicators, 2022, 145, 109691.	6.3	4
522	The Influence of Climate Variability on the Watermelon Production in Zanzibar. Atmospheric and Climate Sciences, 2023, 13, 44-61.	0.3	1
523	Skillful decadal flood prediction. Geophysical Research Letters, 0, , .	4.0	3
525	Malaria Performance Trend During 1981–2020 Global Warming. , 2022, , 333-371.		0
526	Global Warming Impacts on Earth Systems. , 2022, , 21-66.		1
527	Causes of Climate Warming. , 2022, , 149-179.		1
528	Land Cover Changes from Intensive Climate Warming. , 2022, , 181-216.		0
529	The intraseasonal surface air temperature reversal and its predictability analysis in 2021/2022 winter over China. International Journal of Climatology, 2023, 43, 3977-3993.	3.5	1
530	Risk of heatstroke in healthy elderly during heatwaves: A thermoregulatory modeling study. Building and Environment, 2023, 237, 110324.	6.9	5
531	Arctic warming trends and their uncertainties based on surface temperature reconstruction under different sea ice extent scenarios. Advances in Climate Change Research, 2023, 14, 335-346.	5.1	3
532	Quantitative Mechanisms of the Responses of Abrupt Seasonal Temperature Changes and Warming Hiatuses in China to Their Influencing Factors. Atmosphere, 2023, 14, 1090.	2.3	1
533	Time-variations of the climate feedback parameter \hat{l} » are associated with the Pacific Decadal Oscillation. Communications Earth & Environment, 2023, 4, .	6.8	2
534	Streamflow Trends in Central Chile. Hydrology, 2023, 10, 144.	3.0	0
535	Plant economic strategies in two contrasting forests. BMC Plant Biology, 2023, 23, .	3.6	1
536	Rainfall and Salinity Effects on Future Pacific Climate Change. Earth's Future, 2023, 11, .	6.3	0
537	Unexpected cooling Eurasia during February of global-warming slowdown: Roles of North Atlantic and Arctic Oceans. Atmospheric Research, 2023, 294, 106969.	4.1	1

#	ARTICLE	IF	CITATIONS
538	Influences of habitat and seasonal changes on gonadal maturation of Echinometra mathaei (Echinodermata: Echinoidea) and Tridacna squamosa (Mollusca: Bivalvia) in the Red Sea, Egypt. Environmental Monitoring and Assessment, 2023, 195, .	2.7	0
539	Climate change alters the spatial pattern of plant spectral diversity across forest types. Frontiers in Ecology and Evolution, $0,11,.$	2.2	0
541	Significant Increases in Water Vapor Pressure Correspond with Climate Warming Globally. Water (Switzerland), 2023, 15, 3219.	2.7	1
542	Another scanning test of trend change in regression coefficients applied to monthly temperature on global land and sea surfaces. Theoretical and Applied Climatology, 2024, 155, 525-539.	2.8	1
543	Global patterns and drivers of spatial autocorrelation in plant communities in protected areas. Diversity and Distributions, 0, , .	4.1	0
544	Heterogeneous responses of wetland vegetation to climate change in the Amur River basin characterized by normalized difference vegetation index from 1982 to 2020. Frontiers in Plant Science, 0, 14, .	3.6	O
545	Prediction of surface water temperature and its spatial-temporal variation characteristics of $11\mathrm{main}$ lakes in Yunnan-Guizhou Plateau. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, , 1-12.	4.9	0
546	Tree dieback and subsequent changes in water quality accelerated the climate-related warming of a central European forest lake. Journal of Water and Climate Change, 0, , .	2.9	O
547	Investigation of trends in basin-scale temperature variables. Environment Conservation Journal, 2023, 24, 181-191.	0.2	0
548	Applications of the scanning test of trend changes in regression coefficients to monthly temperature over China and Globe. AIMS Geosciences, 2024, 10, 47-61.	1.0	0
551	Decreased river runoff on the Mongolian Plateau since around 2000. Landscape Ecology, 2024, 39, .	4.2	0