

More Intense, More Frequent, and Longer Lasting Heat

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Climate change and human health in cities. , 2011, , 179-214.		22
2	Hydrometeorological hazards under future climate change. , 2013, , 151-189.		6
3	Applications of the argon laser in head surgery. Soviet Journal of Quantum Electronics, 1977, 7, 1492-1494.	0.1	1
4	Ozone in the united kingdom. Food and Chemical Toxicology, 1995, 33, 88.	3.6	10
6	Hot news from summer 2003. Nature, 2004, 432, 559-560.	27.8	350
7	Quantum errors corrected. Nature, 2004, 432, 560-561.	27.8	2
9	Europe-wide reduction in primary productivity caused by the heat and drought in 2003. Nature, 2005, 437, 529-533.	27.8	3,245
10	Impact of regional climate change on human health. Nature, 2005, 438, 310-317.	27.8	2,303
11	The carbon cycle under stress. Nature, 2005, 437, 483-484.	27.8	12
12	Origins of chemical biodefence. Nature, 2005, 437, 484-485.	27.8	3
13	Thermal biology of the meadow grasshopper, Chorthippus parallelus, and the implications for resistance to disease. Ecological Entomology, 2005, 30, 724-732.	2.2	24
14	Fine-scale processes regulate the response of extreme events to global climate change. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15774-15778.	7.1	403
15	How Much More Global Warming and Sea Level Rise?. Science, 2005, 307, 1769-1772.	12.6	542
16	Astrophysics in 2004. Publications of the Astronomical Society of the Pacific, 2005, 117, 311-394.	3.1	6
17	Regional Air Pollution at a Turning Point. Ambio, 2005, 34, 2-10.	5.5	25
18	Hydrological extremes in a southwestern Ontario river basin under future climate conditions/Extrêmes hydrologiques dans un bassin versant du sud-ouest de l'Ontario sous conditions climatiques futures. Hydrological Sciences Journal, 2005, 50, .	2.6	55
19	Sensitivity of extreme climate events to CO2-induced biophysical atmosphere-vegetation feedbacks in the western United States. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	16
20	Indications for aggravation in summer heat conditions over the Mediterranean Basin. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	67

#	ARTICLE	IF	CITATIONS
21	Potential regional climate change and implications to U.S. air quality. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	152
22	Divergent vegetation growth responses to the 2003 heat wave in the Swiss Alps. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	174
23	Understanding future patterns of increased precipitation intensity in climate model simulations. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	275
24	Detection of changes in temperature extremes during the second half of the 20th century. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	127
25	European temperature distribution changes in observations and climate change scenarios. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	65
26	Tropical Atlantic Influence on European Heat Waves. <i>Journal of Climate</i> , 2005, 18, 2805-2811.	3.2	366
27	Forest Fire-Conducive Drought Variability in the Southern Canadian Boreal Forest and Associated Climatology Inferred from Tree Rings. <i>Canadian Water Resources Journal</i> , 2006, 31, 275-296.	1.2	13
28	Impact-recovery patterns of water quality in temporary wetlands after fire retardant pollution. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 1617-1626.	1.4	10
29	Climate change and human health: present and future risks. <i>Lancet</i> , The, 2006, 367, 859-869.	13.7	1,928
30	Temporal variability in area burned for the province of Ontario, Canada, during the past 200 years inferred from tree rings. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	18
31	Climate change hot-spots. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	1,819
32	Impact of extreme rainfall in the central Sudan during 1999 as a partial analogue for reconstructing early Holocene prehistoric environments. <i>Quaternary International</i> , 2006, 150, 82-94.	1.5	49
33	Modeling Northern Hemisphere Summer Heat Extreme Changes and Their Uncertainties Using a Physics Ensemble of Climate Sensitivity Experiments. <i>Journal of Climate</i> , 2006, 19, 4418-4435.	3.2	107
34	Consequences of the 2003 European heat wave for lake temperature profiles, thermal stability, and hypolimnetic oxygen depletion: Implications for a warmer world. <i>Limnology and Oceanography</i> , 2006, 51, 815-819.	3.1	248
35	Synoptic-Scale Atmospheric Circulation and Boreal Canada Summer Drought Variability of the Past Three Centuries. <i>Journal of Climate</i> , 2006, 19, 1922-1947.	3.2	71
36	Effects of drought and heat on forest insect populations in relation to the 2003 drought in Western Europe. <i>Annals of Forest Science</i> , 2006, 63, 613-624.	2.0	303
37	Comparative sectoriality in temperate hardwoods: hydraulics and xylem anatomy. <i>Botanical Journal of the Linnean Society</i> , 2006, 150, 61-71.	1.6	62
38	Action on climate change: the health risks of procrastinating. <i>Australian and New Zealand Journal of Public Health</i> , 2006, 30, 567-571.	1.8	43

#	ARTICLE	IF	CITATIONS
39	The Park Grass Experiment 1856-2006: its contribution to ecology. <i>Journal of Ecology</i> , 2006, 94, 801-814.	4.0	328
40	Landâ€™atmosphere coupling and climate change in Europe. <i>Nature</i> , 2006, 443, 205-209.	27.8	1,325
41	Fingerprinting Global Climate Change and Forest Management Within Rhizosphere Carbon and Nutrient Cycling Processes. <i>Environmental Science and Pollution Research</i> , 2006, 13, 293-298.	5.3	51
42	Socioeconomic position and excess mortality during the heat wave of 2003 in Barcelona. <i>European Journal of Epidemiology</i> , 2006, 21, 633-640.	5.7	75
43	Going to the Extremes. <i>Climatic Change</i> , 2006, 79, 185-211.	3.6	966
44	On the capability of RegCM to capture extremes in long term regional climate simulation â€™ comparison with the observations for Czech Republic. <i>Theoretical and Applied Climatology</i> , 2006, 86, 125-145.	2.8	38
45	Heat wave impacts on mortality in Shanghai, 1998 and 2003. <i>International Journal of Biometeorology</i> , 2006, 51, 193-200.	3.0	250
46	Quantifying uncertainty in changes in extreme event frequency in response to doubled CO2 using a large ensemble of GCM simulations. <i>Climate Dynamics</i> , 2006, 26, 489-511.	3.8	93
47	Seasonal drought effects on carbon sequestration of a mid-subtropical planted forest of southeastern China. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 110-118.	0.9	30
48	Neighborhood microclimates and vulnerability to heat stress. <i>Social Science and Medicine</i> , 2006, 63, 2847-2863.	3.8	774
49	Europe's 2003 heat wave: a satellite view of impacts and landâ€™atmosphere feedbacks. <i>International Journal of Climatology</i> , 2006, 26, 743-769.	3.5	181
50	Extreme events due to human-induced climate change. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 2117-2133.	3.4	113
51	Impact of High Temperatures on Mortality. <i>Epidemiology</i> , 2006, 17, 632-638.	2.7	361
52	Coupled Model Simulations of the West African Monsoon System: Twentieth- and Twenty-First-Century Simulations. <i>Journal of Climate</i> , 2006, 19, 3681-3703.	3.2	269
53	Climate Change and Human Health Impacts in the United States: An Update on the Results of the U.S. National Assessment. <i>Environmental Health Perspectives</i> , 2006, 114, 1318-1324.	6.0	130
54	The European Summer of 2003: Sensitivity to Soil Water Initial Conditions. <i>Journal of Climate</i> , 2006, 19, 3659-3680.	3.2	168
55	An alternative treatment for Yukawa-type potentials. <i>Physica Scripta</i> , 2006, 73, 279-283.	2.5	48
56	A critical comment on heat wave response plans. <i>European Journal of Public Health</i> , 2006, 16, 600-600.	0.3	27

#	ARTICLE	IF	CITATIONS
57	Extreme heat reduces and shifts United States premium wine production in the 21st century. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11217-11222.	7.1	297
58	A Climatology of Heat Waves from a Multimillennial Simulation. Journal of Climate, 2007, 20, 3802-3821.	3.2	43
59	Changes of Variability in Response to Increasing Greenhouse Gases. Part I: Temperature. Journal of Climate, 2007, 20, 5455-5467.	3.2	43
60	Seasonal change in the drought response of wood cell development in poplar. Tree Physiology, 2007, 27, 985-992.	3.1	156
61	A Review of Climate Change Impacts on the Built Environment. Built Environment, 2007, 33, 31-45.	0.8	201
62	Short- and Long-term Outcomes of Heatstroke Following the 2003 Heat Wave in Lyon, France. Archives of Internal Medicine, 2007, 167, 2177.	3.8	216
63	Towards an Early Warning System for Heat Events. Journal of Risk Research, 2007, 10, 729-744.	2.6	17
64	Trigger and control entanglement by atoms with different interaction times. Chinese Physics B, 2007, 16, 630-634.	1.3	0
65	Pollen-Based Screening of Soybean Genotypes for High Temperatures. Crop Science, 2007, 47, 219-231.	1.8	157
66	Statistics of extreme values in time series with intermediate-term correlations. , 2007, , .		0
67	Summertime European heat and drought waves induced by wintertime Mediterranean rainfall deficit. Geophysical Research Letters, 2007, 34, .	4.0	289
68	Screening Capsicum species of different origins for high temperature tolerance by in vitro pollen germination and pollen tube length. Scientia Horticulturae, 2007, 112, 130-135.	3.6	70
69	Evidence for soil water control on carbon and water dynamics in European forests during the extremely dry year: 2003. Agricultural and Forest Meteorology, 2007, 143, 123-145.	4.8	509
70	Energy, energy efficiency, and the built environment. Lancet, The, 2007, 370, 1175-1187.	13.7	133
71	Soil Moisture-Atmosphere Interactions during the 2003 European Summer Heat Wave. Journal of Climate, 2007, 20, 5081-5099.	3.2	757
72	Nonlinear Dynamics in Geosciences. , 2007, , .		11
73	ZOOPLANKTON COMMUNITY RESILIENCE AFTER PRESS-TYPE ANTHROPOGENIC STRESS IN TEMPORARY PONDS. , 2007, 17, 1105-1115.		46
74	Application of satellite Remote Sensing for Urban Risk Analysis: a case study of the 2003 extreme heat wave in Paris. , 2007, , .		7

#	ARTICLE	IF	CITATIONS
75	Contribution of land-atmosphere coupling to recent European summer heat waves. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	512
76	Spatio-temporal variability of daily and weekly precipitation extremes in South America. <i>Water Resources Research</i> , 2007, 43, .	4.2	36
77	Contributions of natural and anthropogenic forcing to changes in temperature extremes over the United States. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	89
78	Current and future U.S. weather extremes and El Niño. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	87
79	Doubled length of western European summer heat waves since 1880. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	401
80	Anti-persistence in the global temperature anomaly field. <i>Nonlinear Processes in Geophysics</i> , 2007, 14, 723-733.	1.3	25
81	Current warming and likely future impacts. , 0, , 231-309.		0
82	The human ecology of climate change. , 2007, , 310-391.		0
83	Inverse flood risk modelling under changing climatic conditions. <i>Hydrological Processes</i> , 2007, 21, 563-577.	2.6	49
84	Geospatial-temporal dependence among weekly precipitation extremes with applications to observations and climate model simulations in South America. <i>Advances in Water Resources</i> , 2007, 30, 2401-2423.	3.8	54
85	Global warming and the disruption of plant-pollinator interactions. <i>Ecology Letters</i> , 2007, 10, 710-717.	6.4	991
86	Interannual to decadal changes in area burned in Canada from 1781 to 1982 and the relationship to Northern Hemisphere land temperatures. <i>Global Ecology and Biogeography</i> , 2007, 16, 557-566.	5.8	40
87	Thermodependent bacterial pathogens and mass mortalities in temperate benthic communities: a new case of emerging disease linked to climate change. <i>Global Change Biology</i> , 2007, 13, 2078-2088.	9.5	155
88	Photosynthesis drives anomalies in net carbon-exchange of pine forests at different latitudes. <i>Global Change Biology</i> , 2007, 13, 2110-2127.	9.5	69
89	Response of plant species richness and primary productivity in shrublands along a north-south gradient in Europe to seven years of experimental warming and drought: reductions in primary productivity in the heat and drought year of 2003. <i>Global Change Biology</i> , 2007, 13, 2563-2581.	9.5	211
90	Temperate grasslands and global atmospheric change: a review. <i>Grass and Forage Science</i> , 2007, 62, 127-134.	2.9	158
91	Increase in summer European ozone amounts due to climate change. <i>Atmospheric Environment</i> , 2007, 41, 7577-7587.	4.1	192
92	Climate Science and Decision Making. <i>Geography Compass</i> , 2007, 1, 302-324.	2.7	17

#	ARTICLE	IF	CITATIONS
93	European summer climate variability in a heterogeneous multi-model ensemble. <i>Climatic Change</i> , 2007, 81, 209-232.	3.6	110
95	On complex extremes: flood hazards and combined high spring-time precipitation and temperature in Norway. <i>Climatic Change</i> , 2007, 85, 381-406.	3.6	58
96	Signals of summer drought in crown condition data from the German Level I network. <i>European Journal of Forest Research</i> , 2007, 126, 529-544.	2.5	40
97	Climate change and heat-related mortality in six cities Part 1: model construction and validation. <i>International Journal of Biometeorology</i> , 2007, 51, 525-540.	3.0	111
98	Summer heat waves over western Europe 1880â€“2003, their relationship to large-scale forcings and predictability. <i>Climate Dynamics</i> , 2007, 29, 251-275.	3.8	273
99	Healthy people 2100: modeling population health impacts of climate change. <i>Climatic Change</i> , 2008, 88, 5-19.	3.6	36
100	Indices for extreme events in projections of anthropogenic climate change. <i>Climatic Change</i> , 2008, 86, 83-104.	3.6	238
101	Differential and combined impacts of extreme temperatures and air pollution on human mortality in southâ€“central Canada. Part II: future estimates. <i>Air Quality, Atmosphere and Health</i> , 2008, 1, 223-235.	3.3	43
102	Mediterranean drought fluctuation during the last 500Âyears based on tree-ring data. <i>Climate Dynamics</i> , 2008, 31, 227-245.	3.8	131
103	Decreased impacts of the 2003 heat waves on mortality in the Czech Republic: an improved response?. <i>International Journal of Biometeorology</i> , 2008, 52, 733-745.	3.0	63
104	The impact of excess heat events in Maricopa County, Arizona: 2000â€“2005. <i>International Journal of Biometeorology</i> , 2008, 52, 765-772.	3.0	62
105	Midsummer heat wave effects on lacustrine plankton: Variation of assemblage structure and fatty acid composition. <i>Journal of Thermal Biology</i> , 2008, 33, 287-296.	2.5	38
106	Approaches for estimating effects of climate change on heat-related deaths: challenges and opportunities. <i>Environmental Science and Policy</i> , 2008, 11, 87-96.	4.9	160
107	Identifying practical adaptation options: an approach to address climate change-related health risks. <i>Environmental Science and Policy</i> , 2008, 11, 359-369.	4.9	59
108	Genetic control of the tree-ring response of Douglas-fir (<i>Pseudotsuga menziesii</i> (Mirb.) Franco) to the 2003 drought and heat-wave in France. <i>Annals of Forest Science</i> , 2008, 65, 102-102.	2.0	24
109	Interactive Effects of Elevated CO ₂ and Growth Temperature on the Tolerance of Photosynthesis to Acute Heat Stress in C ₃ and C ₄ Species. <i>Journal of Integrative Plant Biology</i> , 2008, 50, 1375-1387.	8.5	70
110	A Method for Computing the Fraction of Attributable Risk Related to Climate Damages. <i>Risk Analysis</i> , 2008, 28, 815-823.	2.7	23
111	Assessment of Cold and Heat Tolerance of Winter-grown Canola (<i>Brassica napus</i> L.) Cultivars by Pollen-based Parameters. <i>Journal of Agronomy and Crop Science</i> , 2008, 194, 225-236.	3.5	55

#	ARTICLE	IF	CITATIONS
112	Analysis of heat wave effects on health by using generalized additive model and bootstrap-based model selection. Journal of the Royal Statistical Society Series C: Applied Statistics, 2008, 57, 473-485.	1.0	3
113	A climatic threshold triggers the die-off of peat mosses during an extreme heat wave. Global Change Biology, 2008, 14, 2688-2695.	9.5	91
114	Pulse dynamics and microbial processes in aridland ecosystems. Journal of Ecology, 2008, 96, 413-420.	4.0	330
115	Population dynamics and life cycle of <i>Pisidium amnicum</i> (Müller) (Bivalvia : Sphaeriidae) and <i>Valvata piscinalis</i> (Müller) (Gastropoda : Prosobranchia) in the Saône river, a nine-year study. Annales De Limnologie, 2008, 44, 241-251.	0.6	12
116	Impact of summer droughts on the water quality of the Meuse river. Journal of Hydrology, 2008, 353, 1-17.	5.4	267
117	Human contribution to rapidly increasing frequency of very warm Northern Hemisphere summers. Journal of Geophysical Research, 2008, 113, .	3.3	56
118	Biodiversity and persistence of ecological communities in variable environments. Ecological Complexity, 2008, 5, 99-105.	2.9	21
120	Urban Ecology. , 2008, , .		146
121	Genomics of Abiotic Stress in Soybean. , 2008, , 343-372.		10
122	Carbon dioxide and energy flux partitioning between the understorey and the overstorey of a maritime pine forest during a year with reduced soil water availability. Agricultural and Forest Meteorology, 2008, 148, 1508-1523.	4.8	51
123	Climate Change and Extreme Heat Events. American Journal of Preventive Medicine, 2008, 35, 429-435.	3.0	848
124	A time-series analysis of any short-term effects of meteorological and air pollution factors on preterm births in London, UK. Environmental Research, 2008, 106, 185-194.	7.5	82
125	What is hot in tree rings? The wood density of surviving Douglas-firs to the 2003 drought and heat wave. Forest Ecology and Management, 2008, 256, 837-843.	3.2	81
126	Influence of the persistence of circulation patterns on warm and cold temperature anomalies in Europe: Analysis over the 20th century. Global and Planetary Change, 2008, 62, 147-163.	3.5	83
127	Death toll exceeded 70,000 in Europe during the summer of 2003. Comptes Rendus - Biologies, 2008, 331, 171-178.	0.2	1,331
128	Contribution of land-atmosphere coupling to summer climate variability over the contiguous United States. Journal of Geophysical Research, 2008, 113, .	3.3	70
129	Diurnal cycle of the Oklahoma City urban heat island. Journal of Geophysical Research, 2008, 113, .	3.3	64
130	Understanding heat wave vulnerability in nursing and residential homes. Building Research and Information, 2008, 36, 363-372.	3.9	57

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131	Methods for Exploring Spatial and Temporal Variability of Extreme Events in Climate Data. Journal of Climate, 2008, 21, 2072-2092.	3.2	80
132	Data Mining for Climate Change and Impacts. , 2008, , .		43
133	Constructing climate change scenarios of urban heat island intensity and air quality. Environment and Planning B: Planning and Design, 2008, 35, 902-919.	1.7	115
134	Climate change and the effects of temperature extremes on Australian flying-foxes. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 419-425.	2.6	334
135	Climate Variability and Extremes during the Past 100 Years. Advances in Global Change Research, 2008, , .	1.6	40
136	Vulnerability to heat-related mortality in Latin America: a case-crossover study in São Paulo, Brazil, Santiago, Chile and Mexico City, Mexico. International Journal of Epidemiology, 2008, 37, 796-804.	1.9	229
137	Forest management and soil respiration: Implications for carbon sequestration. Environmental Reviews, 2008, 16, 93-111.	4.5	103
138	Simulation of summer temperature extremes over the Czech Republic in regional climate models. Meteorologische Zeitschrift, 2008, 17, 645-661.	1.0	8
139	Rain, temperature, and childâ€œadolescent height among Native Amazonians in Bolivia. Annals of Human Biology, 2008, 35, 276-293.	1.0	8
140	Aspects of the diurnal cycle in a regional climate model. Meteorologische Zeitschrift, 2008, 17, 433-443.	1.0	84
141	The Health Impacts of Climate Change: Getting Started on a New Theme. Prehospital and Disaster Medicine, 2008, 23, s60-s64.	1.3	14
142	Human thermal comfort in summer within an urban street canyon in Central Europe. Meteorologische Zeitschrift, 2008, 17, 241-250.	1.0	174
143	Extensive summer hot and cold extremes under current and possible future climatic conditions: Europe and North America. , 2008, , 74-98.		14
144	Recent Evolution of the Climate Change Dialogue in the United States. Bulletin of the American Meteorological Society, 2008, 89, 975-986.	3.3	5
145	An overview of the impact of climate change on the insurance industry. , 0, , 248-278.		3
146	Beyond mean climate change: what climate models tell us about future climate extremes. , 0, , 99-119.		0
147	Heat Waves in Southern California: Are They Becoming More Frequent and Longer Lasting?. Yearbook of the Association of Pacific Coast Geographers, 2008, 70, 59-69.	0.1	8
148	The Occurrence of Heat Waves in São Paulo - Brazil Using Temperature Humidity Index (THI) and Milk Decline Index (MDEC). , 2008, , .		0

#	ARTICLE	IF	CITATIONS
149	Extreme Heat Events. , 2009, , 609-631.		2
150	Recycling of moisture in Europe: contribution of evaporation to variability in very wet and dry years. Hydrology and Earth System Sciences, 2009, 13, 1685-1697.	4.9	36
151	The 2006 California Heat Wave: Impacts on Hospitalizations and Emergency Department Visits. Environmental Health Perspectives, 2009, 117, 61-67.	6.0	576
152	Higher trends but larger uncertainty and geographic variability in 21st century temperature and heat waves. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15555-15559.	7.1	99
153	Assessing the benefits of crop albedo bio-geoengineering. Environmental Research Letters, 2009, 4, 045110.	5.2	42
154	Threats to Global Water Security. NATO Science for Peace and Security Series C: Environmental Security, 2009, , .	0.2	15
155	Mapping Community Determinants of Heat Vulnerability. Environmental Health Perspectives, 2009, 117, 1730-1736.	6.0	502
156	Southern Africa Summer Drought and Heat Waves: Observations and Coupled Model Behavior. Journal of Climate, 2009, 22, 6033-6046.	3.2	84
157	The Great 2006 Heat Wave over California and Nevada: Signal of an Increasing Trend. Journal of Climate, 2009, 22, 6181-6203.	3.2	163
158	Skill and uncertainty of a regional air quality model ensemble. Atmospheric Environment, 2009, 43, 4822-4832.	4.1	87
159	Atmospheric composition change “ global and regional air quality. Atmospheric Environment, 2009, 43, 5268-5350.	4.1	714
160	Assessing trends in observed and modelled climate extremes over Australia in relation to future projections. International Journal of Climatology, 2009, 29, 417-435.	3.5	323
161	Analysis of an ensemble of present day and future regional climate simulations for Greece. International Journal of Climatology, 2009, 29, 1614-1633.	3.5	47
162	Time trends of daily maximum and minimum temperatures in Catalonia (ne Spain) for the period 1975“2004. International Journal of Climatology, 2010, 30, 267-290.	3.5	50
163	Interannual variations in fire weather, fire extent, and synoptic-scale circulation patterns in northern California and Oregon. Theoretical and Applied Climatology, 2009, 95, 349-360.	2.8	74
164	Trends in extremes of temperature, dew point, and precipitation from long instrumental series from central Europe. Theoretical and Applied Climatology, 2009, 98, 187-195.	2.8	38
165	Synergistic effects of an extreme weather event and habitat fragmentation on a specialised insect herbivore. Oecologia, 2009, 159, 117-126.	2.0	67
166	Climate change and heat-related mortality in six cities Part 2: climate model evaluation and projected impacts from changes in the mean and variability of temperature with climate change. International Journal of Biometeorology, 2009, 53, 31-51.	3.0	145

#	ARTICLE	IF	CITATIONS
167	The effect of substrate, ADP and uncoupler on the respiration of tomato pollen during incubation in vitro at moderately high temperature. Sexual Plant Reproduction, 2009, 22, 133-140.	2.2	10
168	Present-day climatology and projected changes of warm and cold days in the CNRM-CM3 global climate model. Climate Dynamics, 2009, 32, 35-54.	3.8	17
169	Future changes in daily summer temperature variability: driving processes and role for temperature extremes. Climate Dynamics, 2009, 33, 917-935.	3.8	225
170	Climate change mitigation via afforestation, reforestation and deforestation avoidance: and what about adaptation to environmental change?. New Forests, 2009, 38, 15-34.	1.7	55
171	Trends in heat-related mortality in the United States, 1975â€“2004. Natural Hazards, 2009, 50, 145-160.	3.4	116
172	Surface Energy Balance Measurements Above an Exurban Residential Neighbourhood of Kansas City, Missouri. Boundary-Layer Meteorology, 2009, 133, 299-321.	2.3	32
173	Associations between elevated atmospheric temperature and human mortality: a critical review of the literature. Climatic Change, 2009, 92, 299-341.	3.6	340
174	Summer maximum temperature in northern France over the past century: instrumental data versus multiple proxies (tree-ring isotopes, grape harvest dates and forest fires). Climatic Change, 2009, 94, 429-456.	3.6	43
175	Effects of climate warming on Olive and olive fly (<i>Bactrocera oleae</i> (Gmelin)) in California and Italy. Climatic Change, 2009, 95, 195-217.	3.6	100
176	Responses of some landscape trees to the drought and high temperature events during 2006 and 2007 in Yamaguchi, Japan. Journal of Forestry Research, 2009, 20, 254-260.	3.6	5
177	Heterogeneous response of circumboreal wildfire risk to climate change since the early 1900s. Global Change Biology, 2009, 15, 2751-2769.	9.5	102
178	The role of biotic interactions in altering tree seedling responses to an extreme climatic event. Journal of Vegetation Science, 2009, 20, 403-414.	2.2	62
179	Statut hydrique des feuilles et flux xylÃ©mique dans le tronc en relation avec la sÃ©cheresse du sol pour cinq espÃ©ces d'arbres feuillus tempÃ©rÃ©s Ã stratÃ©gies de consommation d'eau diffÃ©rentes. Annals of Forest Science, 2009, 66, 101-101.		122
180	Human Impact on the Nile Basin: Past, Present, Future. Monographiae Biologicae, 2009, , 771-779.	0.1	32
181	Variation of wood density and hydraulic properties of Douglas-fir (<i>Pseudotsuga menziesii</i> (Mirb.)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 257, 182-189.	3.2	53
182	Ring density record of phenotypic plasticity and adaptation to drought in Douglas-fir. Forest Ecology and Management, 2009, 258, 860-867.	3.2	14
183	An analysis of heat waves in Serbia. Global and Planetary Change, 2009, 65, 17-26.	3.5	47
184	Rapid responses of the prairie-forest ecotone to early Holocene aridity in mid-continental North America. Global and Planetary Change, 2009, 66, 195-207.	3.5	102

#	ARTICLE	IF	CITATIONS
185	Quantifying the response of forest carbon balance to future climate change in Northeastern China: Model validation and prediction. <i>Global and Planetary Change</i> , 2009, 66, 179-194.	3.5	103
187	Preventing heat-related morbidity and mortality: New approaches in a changing climate. <i>Maturitas</i> , 2009, 64, 98-103.	2.4	117
188	Relative increase of record high maximum temperatures compared to record low minimum temperatures in the U.S.. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	281
189	Influence of sea surface temperature variability on global temperature and precipitation extremes. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	83
190	Risk and Exposure to Extreme Heat in Microclimates of Phoenix, AZ. , 2009, , 179-202.		17
192	The European heat wave 2003: Early indicators from multisensoral microwave remote sensing?. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	54
193	Analysis of planetary boundary layer fluxes and land-atmosphere coupling in the regional climate model CLM. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	33
194	Statistical representation of temperature mean and variability in Europe. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	19
195	How much climate change can be avoided by mitigation?. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	36
196	Urban Temperatures in Hong Kong: Thermal Environmental Safety and Implications for City Planning. <i>Journal of Burn Care and Research</i> , 2009, 30, 735-739.	0.4	2
197	The effects of global warming on soybean yields in a long-term fertilization experiment in Northeast China. <i>Journal of Agricultural Science</i> , 2009, 147, 569-580.	1.3	21
198	Mortality during heat waves in South Korea, 1991 to 2005: How exceptional was the 1994 heat wave?. <i>Climate Research</i> , 2009, 38, 105-116.	1.1	97
199	Tracking the emission and transport of pollution from wildfires using the IASI CO retrievals: analysis of the summer 2007 Greek fires. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4897-4913.	4.9	147
200	Temperature Extremes and Health: Impacts of Climate Variability and Change in the United States. <i>Journal of Occupational and Environmental Medicine</i> , 2009, 51, 13-25.	1.7	235
202	Mitigating the greenhouse gas balance of ruminant production systems through carbon sequestration in grasslands. <i>Animal</i> , 2010, 4, 334-350.	3.3	354
203	Microclimate preferences of the grey-headed flying fox (<i>Pteropus poliocephalus</i>) in the Sydney region. <i>Australian Journal of Zoology</i> , 2010, 58, 376.	1.0	8
204	Modelling climate impacts on crop yields in Belgium. <i>Climate Research</i> , 2010, 44, 55-68.	1.1	45
205	Statistical modeling of hot spells and heat waves. <i>Climate Research</i> , 2010, 43, 191-205.	1.1	61

#	ARTICLE	IF	CITATIONS
207	Impact of poplar water status on leaf-beetle (<i>Chrysomela populi</i>) survival and feeding. <i>Annals of Forest Science</i> , 2010, 67, 209-209.	2.0	3
208	Black pine (<i>Pinus nigra</i> Arn.) growth divergence along a latitudinal gradient in Western Mediterranean mountains. <i>Annals of Forest Science</i> , 2010, 67, 401-401.	2.0	70
209	High resolution characterization of northwest Mediterranean coastal waters thermal regimes: To better understand responses of benthic communities to climate change. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 87, 431-441.	2.1	88
210	Adsorption of CO ₂ on Zeolite 13X and Activated Carbon with Higher Surface Area. <i>Separation Science and Technology</i> , 2010, 45, 710-719.	2.5	109
211	Future changes in Central Europe heat waves expected to mostly follow summer mean warming. <i>Climate Dynamics</i> , 2010, 35, 1191-1205.	3.8	82
212	Can drought tolerance of Norway spruce (<i>Picea abies</i> (L.) Karst.) be increased through thinning?. <i>European Journal of Forest Research</i> , 2010, 129, 1109-1118.	2.5	109
213	Extreme normalised residuals of daily temperatures in Catalonia (NE Spain): sampling strategies, return periods and clustering process. <i>Theoretical and Applied Climatology</i> , 2010, 101, 1-17.	2.8	5
214	Heat waves and heat days in an arid city in the northwest of MÃ©xico: current trends and in climate change scenarios. <i>International Journal of Biometeorology</i> , 2010, 54, 335-345.	3.0	37
215	On the influence of building design, occupants and heat waves on comfort and greenhouse gas emissions in naturally ventilated offices. A study based on the EN 15251 adaptive thermal comfort model in Athens, Greece. <i>Building Simulation</i> , 2010, 3, 87-103.	5.6	15
216	Distribution of the double-spined spruce bark beetle <i>Ips duplicatus</i> in the Czech Republic: spreading in 1997â€“2009. <i>Phytoparasitica</i> , 2010, 38, 435-443.	1.2	27
217	Changes in European temperature extremes can be predicted from changes in PDF central statistics. <i>Climatic Change</i> , 2010, 98, 277-284.	3.6	90
218	Potential impact of vegetation feedback on European heat waves in a 2 x CO ₂ climate. <i>Climatic Change</i> , 2010, 99, 625-635.	3.6	12
219	Statistics of extremes in climate change. <i>Climatic Change</i> , 2010, 100, 71-76.	3.6	222
220	Public health impacts of climate change in Washington State: projected mortality risks due to heat events and air pollution. <i>Climatic Change</i> , 2010, 102, 159-186.	3.6	72
221	Atlantaâ€™s urban heat island under extreme heat conditions and potential mitigation strategies. <i>Natural Hazards</i> , 2010, 52, 639-668.	3.4	165
222	Seasonal variability in heat-related mortality across the United States. <i>Natural Hazards</i> , 2010, 55, 291-305.	3.4	41
223	Climate impacts on European agriculture and water management in the context of adaptation and mitigationâ€”The importance of an integrated approach. <i>Science of the Total Environment</i> , 2010, 408, 5667-5687.	8.0	316
224	Interactions between temperature, drought and stomatal opening in legumes. <i>Environmental and Experimental Botany</i> , 2010, 68, 37-43.	4.2	105

#	ARTICLE	IF	CITATIONS
225	Investigating soil moisture–climate interactions in a changing climate: A review. <i>Earth-Science Reviews</i> , 2010, 99, 125-161.	9.1	3,380
226	Impact of seasonal sediment desiccation and rewetting on microbial processes involved in greenhouse gas emissions. <i>Ecohydrology</i> , 2010, 3, 339-348.	2.4	59
227	Recent severe heat waves in central Europe: how to view them in a long-term prospect?. <i>International Journal of Climatology</i> , 2010, 30, 89-109.	3.5	126
228	A review of occupant control on natural ventilation. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1001-1013.	16.4	140
229	High genetic variation in marginal fragmented populations at extreme climatic conditions of the Patagonian Cypress <i>Austrocedrus chilensis</i> . <i>Molecular Phylogenetics and Evolution</i> , 2010, 54, 941-949.	2.7	32
230	The impact of heat waves on mortality in 9 European cities: results from the EuroHEAT project. <i>Environmental Health</i> , 2010, 9, 37.	4.0	471
231	Impacts of a simulated heat wave on composition of a marine community. <i>Oikos</i> , 2010, 119, 1909-1918.	2.7	68
232	A matter of timing: heat wave impact on crustacean zooplankton. <i>Freshwater Biology</i> , 2010, 55, 1769-1779.	2.4	29
233	The effects of alterations in temperature and flow regime on organic carbon dynamics in Mediterranean river networks. <i>Global Change Biology</i> , 2010, 16, 2638-2650.	9.5	41
234	Consistent geographical patterns of changes in high-impact European heatwaves. <i>Nature Geoscience</i> , 2010, 3, 398-403.	12.9	851
235	Poplar vulnerability to xylem cavitation acclimates to drier soil conditions. <i>Physiologia Plantarum</i> , 2010, 139, 280-8.	5.2	90
236	Ecosystem carbon exchanges of a subtropical evergreen coniferous plantation subjected to seasonal drought, 2003–2007. <i>Biogeosciences</i> , 2010, 7, 357-369.	3.3	118
237	Connecting people and place: a new framework for reducing urban vulnerability to extreme heat. <i>Environmental Research Letters</i> , 2010, 5, 014021.	5.2	297
238	A Particle-in-cell scheme of the RFQ in the SSC-Linac. <i>Chinese Physics C</i> , 2010, 34, 1749-1753.	3.7	5
239	Special Lie–Mei Symmetry and Conserved Quantities of Appell Equations Expressed by Appell Function. <i>Chinese Physics Letters</i> , 2010, 27, 120201.	3.3	18
240	Global climate change and tree nutrition: influence of water availability. <i>Tree Physiology</i> , 2010, 30, 1221-1234.	3.1	233
241	Briefing: Adapting to a changing climate. <i>Proceedings of the Institution of Civil Engineers: Urban Design and Planning</i> , 2010, 163, 53-58.	0.7	5
242	The Impact of the Urban Heat Island during an Intense Heat Wave in Oklahoma City. <i>Advances in Meteorology</i> , 2010, 2010, 1-10.	1.6	133

#	ARTICLE	IF	CITATIONS
243	Intensification of Summer Rainfall Variability in the Southeastern United States during Recent Decades. <i>Journal of Hydrometeorology</i> , 2010, 11, 1007-1018.	1.9	123
244	The impact of climate change on mental health (but will mental health be discussed at Copenhagen?). <i>Psychological Medicine</i> , 2010, 40, 177-180.	4.5	68
245	Ocean warming increases threat of invasive species in a marine fouling community. <i>Ecology</i> , 2010, 91, 2198-2204.	3.2	182
246	Contribution of Land Use Changes to Near-Surface Air Temperatures during Recent Summer Extreme Heat Events in the Phoenix Metropolitan Area. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 1649-1664.	1.5	149
247	Global Environmental Change: Challenges to Science and Society in Southeastern Europe. , 2010, , .		4
248	A Review of the European Summer Heat Wave of 2003. <i>Critical Reviews in Environmental Science and Technology</i> , 2010, 40, 267-306.	12.8	564
249	Regional Climate Model Projections and Uncertainties of U.S. Summer Heat Waves. <i>Journal of Climate</i> , 2010, 23, 4447-4458.	3.2	59
250	Estimating the Urban Heat Island Contribution to Urban and Rural Air Temperature Differences over Complex Terrain: Application to an Arid City. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 2159-2166.	1.5	32
251	Projected change in heat waves over China using the PRECIS climate model. <i>Climate Research</i> , 2010, 42, 79-88.	1.1	16
252	Extreme Value Time Series. <i>Atmospheric and Oceanographic Sciences Library</i> , 2010, , 229-282.	0.1	0
253	Heat wave changes in the eastern Mediterranean since 1960. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	263
254	A modelâ€data intercomparison of CO ₂ exchange across North America: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	247
255	Persistence of heat waves and its link to soil moisture memory. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	184
256	Intensification of hot extremes in the United States. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	157
257	Influence of statistical methods and reference dates on describing temperature change in Alaska. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	7
258	Drought-Induced Reduction in Global Terrestrial Net Primary Production from 2000 Through 2009. <i>Science</i> , 2010, 329, 940-943.	12.6	2,096
259	Hot spots of vegetationâ€climate feedbacks under future greenhouse forcing in Europe. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	78
260	Climate change, heat waves, and mortality projections for Chicago. <i>Journal of Great Lakes Research</i> , 2010, 36, 65-73.	1.9	126

#	ARTICLE	IF	CITATIONS
261	Rapid plant community responses during the summer monsoon to nighttime warming in a northern Chihuahuan Desert grassland. <i>Journal of Arid Environments</i> , 2010, 74, 611-617.	2.4	35
262	Heat waves observed in 2007 in Athens, Greece: Synoptic conditions, bioclimatological assessment, air quality levels and health effects. <i>Environmental Research</i> , 2010, 110, 152-161.	7.5	91
263	Climate Information for Improved Planning and Management of Mega Cities (Needs Perspective). <i>Procedia Environmental Sciences</i> , 2010, 1, 228-246.	1.4	87
264	Seasonal Residential Water Demand Forecasting for Census Tracts. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2010, 136, 27-36.	2.6	124
265	Climate change increases the likelihood of catastrophic avian mortality events during extreme heat waves. <i>Biology Letters</i> , 2010, 6, 253-256.	2.3	467
266	Genetics and Genomics of <i>Populus</i> . , 2010, , .		28
267	Climate Time Series Analysis. <i>Atmospheric and Oceanographic Sciences Library</i> , 2010, , .	0.1	135
268	Monitoring air and Land Surface Temperatures from remotely sensed data for climate-human health applications. , 2010, , .		9
269	The Hot Summer of 2010: Redrawing the Temperature Record Map of Europe. <i>Science</i> , 2011, 332, 220-224.	12.6	1,193
270	The August 2007 Heat Wave in North Carolina: Meteorological Factors and Local Variability. <i>Physical Geography</i> , 2011, 32, 217-240.	1.4	4
271	Persisting cold extremes under 21st-century warming scenarios. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	210
273	The impacts of extreme and fluctuating temperatures on trait-mediated indirect aphid-parasitoid interactions. <i>Ecological Entomology</i> , 2011, 36, 490-498.	2.2	45
274	Climate Hazard Assessment for Stakeholder Adaptation Planning in New York City. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 2247-2266.	1.5	59
275	Adapting conservation efforts to face climate change: Modifying nest-site provisioning for lesser kestrels. <i>Biological Conservation</i> , 2011, 144, 1111-1119.	4.1	55
276	Mortality risk associated with temperature and prolonged temperature extremes in elderly populations in Taiwan. <i>Environmental Research</i> , 2011, 111, 1156-1163.	7.5	96
277	Projected changes of precipitation extremes in river basins over China. <i>Quaternary International</i> , 2011, 244, 149-158.	1.5	33
278	Declining body size: a third universal response to warming?. <i>Trends in Ecology and Evolution</i> , 2011, 26, 285-291.	8.7	845
279	Effects of Climate Change in North America: An Overview. <i>Journal of Sustainable Development</i> , 2011, 4, .	0.3	4

#	ARTICLE	IF	CITATIONS
280	Drought-associated changes in climate and their relevance for ecosystem experiments and models. <i>Biogeosciences</i> , 2011, 8, 1121-1130.	3.3	53
281	Expected impacts of climate change on forests: Czech Republic as a case study. <i>Journal of Forest Science</i> , 2011, 57, 422-431.	1.1	18
282	Geographical variability of sprucebark beetle development under climate change in the Czech Republic. <i>Journal of Forest Science</i> , 2011, 57, 242-249.	1.1	31
283	A summer climate regime over Europe modulated by the North Atlantic Oscillation. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 57-64.	4.9	36
284	Temperature Tolerance and Stress Proteins as Mechanisms of Invasive Species Success. <i>PLoS ONE</i> , 2011, 6, e14806.	2.5	171
285	An Examination of Climate Change on Extreme Heat Events and Climate-Related Mortality Relationships in Large U.S. Cities. <i>Weather, Climate, and Society</i> , 2011, 3, 281-292.	1.1	70
286	Sensitivity of Recreational Access to Reservoir Water Level Variation: An Approach to Identify Future Access Needs in Reservoirs. <i>North American Journal of Fisheries Management</i> , 2011, 31, 63-69.	1.0	12
287	Development of Wet-Bulb-Temperatures in Germany with special regard to conventional thermal Power Plants using Wet Cooling Towers. <i>Meteorologische Zeitschrift</i> , 2011, 20, 601-614.	1.0	3
288	Heatwave Early Warning Systems and Adaptation Advice to Reduce Human Health Consequences of Heatwaves. <i>International Journal of Environmental Research and Public Health</i> , 2011, 8, 4623-4648.	2.6	264
289	The Influence of Urban Street Characteristics on Pedestrian Heat Comfort Levels in Philadelphia. <i>Transactions in GIS</i> , 2011, 15, 109-123.	2.3	15
290	Soil water repellency and its implications for organic matter decomposition - is there a link to extreme climatic events?. <i>Global Change Biology</i> , 2011, 17, 2640-2656.	9.5	191
291	Experimental climate effect on seasonal variability of polyphenol/phenoloxidase interplay along a narrow fen bog ecological gradient in <i>Sphagnum fallax</i> . <i>Global Change Biology</i> , 2011, 17, 2945-2957.	9.5	51
292	The ecological role of climate extremes: current understanding and future prospects. <i>Journal of Ecology</i> , 2011, 99, 651-655.	4.0	310
293	A Bayesian Model Averaging Approach for Estimating the Relative Risk of Mortality Associated with Heat Waves in 105 U.S. Cities. <i>Biometrics</i> , 2011, 67, 1605-1616.	1.4	34
294	Observational evidence for soil-moisture impact on hot extremes in southeastern Europe. <i>Nature Geoscience</i> , 2011, 4, 17-21.	12.9	607
295	Geographic variation in temperature tolerance as an indicator of potential population responses to climate change. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 400, 209-217.	1.5	130
296	Response to heat stress of populations of two <i>Sphagnum</i> species from alpine bogs at different altitudes. <i>Environmental and Experimental Botany</i> , 2011, 74, 22-30.	4.2	16
297	Urban and rural mortality rates during heat waves in Berlin and Brandenburg, Germany. <i>Environmental Pollution</i> , 2011, 159, 2044-2050.	7.5	411

#	ARTICLE	IF	CITATIONS
298	Intra-urban societal vulnerability to extreme heat: The role of heat exposure and the built environment, socioeconomics, and neighborhood stability. <i>Health and Place</i> , 2011, 17, 498-507.	3.3	361
299	Improving Societal Outcomes of Extreme Weather in a Changing Climate: An Integrated Perspective. <i>Annual Review of Environment and Resources</i> , 2011, 36, 1-25.	13.4	172
300	Projections of extreme rainfall in Hong Kong in the 21st century. <i>Journal of Meteorological Research</i> , 2011, 25, 691-709.	1.0	18
301	The contribution of moisture to heat stress in a period of global warming: the case of the Mediterranean. <i>Climatic Change</i> , 2011, 104, 305-315.	3.6	19
302	The maximum temperatures and heat waves in Serbia during the summer of 2007. <i>Climatic Change</i> , 2011, 108, 207-223.	3.6	30
303	On the return period of the 2003 heat wave. <i>Climatic Change</i> , 2011, 109, 245-260.	3.6	12
304	Near-term increase in frequency of seasonal temperature extremes prior to the 2°C global warming target. <i>Climatic Change</i> , 2011, 108, 581-589.	3.6	28
305	Nature of vegetation and building morphology characteristics across a city: Influence on shadow patterns and mean radiant temperatures in London. <i>Urban Ecosystems</i> , 2011, 14, 617-634.	2.4	116
306	Effects of climate on diameter growth of co-occurring <i>Fagus sylvatica</i> and <i>Abies alba</i> along an altitudinal gradient. <i>Trees - Structure and Function</i> , 2011, 25, 265-276.	1.9	84
307	Impact of soil moisture-atmosphere coupling on European climate extremes and trends in a regional climate model. <i>Climate Dynamics</i> , 2011, 36, 1919-1939.	3.8	186
308	Influence of sea surface temperature on the European heat wave of 2003 summer. Part I: an observational study. <i>Climate Dynamics</i> , 2011, 36, 1691-1703.	3.8	103
309	North-Atlantic SST amplified recent wintertime European land temperature extremes and trends. <i>Climate Dynamics</i> , 2011, 36, 2113-2128.	3.8	23
310	Quantifying uncertainties in projections of extremes—a perturbed land surface parameter experiment. <i>Climate Dynamics</i> , 2011, 37, 1381-1398.	3.8	44
311	Influences of climate change on California and Nevada regions revealed by a high-resolution dynamical downscaling study. <i>Climate Dynamics</i> , 2011, 37, 2005-2020.	3.8	44
312	Tropical influence on boreal summer mid-latitude stationary waves. <i>Climate Dynamics</i> , 2011, 37, 1783-1798.	3.8	17
313	Identifying extreme hottest days from large scale upper air data: a pilot scheme to find California Central Valley summertime maximum surface temperatures. <i>Climate Dynamics</i> , 2011, 37, 587-604.	3.8	23
314	The influence of vegetation and building morphology on shadow patterns and mean radiant temperatures in urban areas: model development and evaluation. <i>Theoretical and Applied Climatology</i> , 2011, 105, 311-323.	2.8	264
315	Spatial prediction of urban-rural temperatures using statistical methods. <i>Theoretical and Applied Climatology</i> , 2011, 106, 139-152.	2.8	31

#	ARTICLE	IF	CITATIONS
316	The responses of agriculture in Europe to climate change. <i>Regional Environmental Change</i> , 2011, 11, 151-158.	2.9	233
317	Urban heat island and boundary layer structures under hot weather synoptic conditions: A case study of Suzhou City, China. <i>Advances in Atmospheric Sciences</i> , 2011, 28, 855-865.	4.3	48
318	Avoiding the avoidable: Towards a European heat waves risk governance. <i>International Journal of Disaster Risk Science</i> , 2011, 2, 1-14.	2.9	41
319	A projection of extreme climate events in the 21st century over east Asia using the community climate system model 3. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2011, 47, 329-344.	2.3	21
320	Projection of extreme temperatures in Hong Kong in the 21st century. <i>Journal of Meteorological Research</i> , 2011, 25, 1-20.	1.0	29
321	Vegetation effects on mean daily maximum and minimum surface air temperatures over China. <i>Science Bulletin</i> , 2011, 56, 900-905.	1.7	34
322	Land-atmosphere coupling amplifies hot extremes over China. <i>Science Bulletin</i> , 2011, 56, 3328.	1.7	54
324	Including the urban heat island in spatial heat health risk assessment strategies: a case study for Birmingham, UK. <i>International Journal of Health Geographics</i> , 2011, 10, 42.	2.5	242
325	Modelling the variation of land surface temperature as determinant of risk of heat-related health events. <i>International Journal of Health Geographics</i> , 2011, 10, 7.	2.5	47
326	Decadal variations in the nocturnal heat island of London. <i>Weather</i> , 2011, 66, 59-64.	0.7	26
327	An examination of urban heat island characteristics in a global climate model. <i>International Journal of Climatology</i> , 2011, 31, 1848-1865.	3.5	130
328	Satellite monitoring of summer heat waves in the Paris metropolitan area. <i>International Journal of Climatology</i> , 2011, 31, 313-323.	3.5	185
329	Potential changes in outdoor thermal comfort conditions in Gothenburg, Sweden due to climate change: the influence of urban geometry. <i>International Journal of Climatology</i> , 2011, 31, 324-335.	3.5	134
330	Climate change and health in cities: impacts of heat and air pollution and potential co-benefits from mitigation and adaptation. <i>Current Opinion in Environmental Sustainability</i> , 2011, 3, 126-134.	6.3	352
331	Heat waves measured with MODIS land surface temperature data predict changes in avian community structure. <i>Remote Sensing of Environment</i> , 2011, 115, 245-254.	11.0	55
332	Projecting Insect Voltinism Under High and Low Greenhouse Gas Emission Conditions. <i>Environmental Entomology</i> , 2011, 40, 505-515.	1.4	20
333	Long-term projections and acclimatization scenarios of temperature-related mortality in Europe. <i>Nature Communications</i> , 2011, 2, 358.	12.8	124
334	Widespread crown condition decline, food web disruption, and amplified tree mortality with increased climate change-type drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1474-1478.	7.1	726

#	ARTICLE	IF	CITATIONS
335	Six Climate Change-Related Events In The United States Accounted For About \$14Billion In Lost Lives And Health Costs. Health Affairs, 2011, 30, 2167-2176.	5.2	111
336	Rapid evolution of cold tolerance in stickleback. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 233-238.	2.6	129
337	Immune defence under extreme ambient temperature. Biology Letters, 2011, 7, 119-122.	2.3	77
338	Sweep data of electrical impedance tomography. Inverse Problems, 2011, 27, 115006.	2.0	6
339	"CITY 2020": assessing climate change impacts for the city of Aachen related to demographic change and health – a progress report. Advances in Science and Research, 2011, 6, 261-270.	1.0	3
340	The psychological impacts of global climate change.. American Psychologist, 2011, 66, 265-276.	4.2	506
341	Impacts of street design parameters on human-biometeorological variables. Meteorologische Zeitschrift, 2011, 20, 541-552.	1.0	92
342	Out of Sight, Out of Mind? Natural Disasters and Pregnancy Outcomes in the USA. CESifo Economic Studies, 2011, 57, 403-431.	0.5	63
343	Heat Waves in the United States: Mortality Risk during Heat Waves and Effect Modification by Heat Wave Characteristics in 43 U.S. Communities. Environmental Health Perspectives, 2011, 119, 210-218.	6.0	790
344	Studying the Causes of Recent Climate Change. , 2011, , .		1
345	Is visceral sympathoexcitation to heat stress dependent on activation of ionotropic excitatory amino acid receptors in the rostral ventrolateral medulla?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R548-R557.	1.8	12
346	Projecting Future Heat-Related Mortality under Climate Change Scenarios: A Systematic Review. Environmental Health Perspectives, 2011, 119, 1681-1690.	6.0	323
347	Can the Increase in the Eddy Length Scale under Global Warming Cause the Poleward Shift of the Jet Streams?. Journal of Climate, 2011, 24, 3764-3780.	3.2	67
348	Climate Extremes and the Length of Gestation. Environmental Health Perspectives, 2011, 119, 1449-1453.	6.0	82
350	Toward a Quantitative Estimate of Future Heat Wave Mortality under Global Climate Change. Environmental Health Perspectives, 2011, 119, 701-706.	6.0	238
351	Predicting Storm-triggered Landslides. Bulletin of the American Meteorological Society, 2011, 92, 129-139.	3.3	27
352	Climatic Feedbacks during the 2003 European Heat Wave. Journal of Climate, 2011, 24, 5953-5967.	3.2	14
353	High Temperature Tolerance in <i>Aegilops</i> Species and Its Potential Transfer to Wheat. Crop Science, 2012, 52, 292-304.	1.8	94

#	ARTICLE	IF	CITATIONS
354	Simulated Local and Remote Biophysical Effects of Afforestation over the Southeast United States in Boreal Summer*. Journal of Climate, 2012, 25, 4511-4522.	3.2	39
355	Evaluation of a Heat Vulnerability Index on Abnormally Hot Days: An Environmental Public Health Tracking Study. Environmental Health Perspectives, 2012, 120, 715-720.	6.0	131
356	European Hot Summers Associated with a Reduction of Cloudiness. Journal of Climate, 2012, 25, 3637-3644.	3.2	45
357	Agricultural commodities and climate change. Climate Policy, 2012, 12, S53-S61.	5.1	16
358	Downscaling climate change scenarios for apple pest and disease modeling in Switzerland. Earth System Dynamics, 2012, 3, 33-47.	7.1	41
359	Effect of compression paddle tilt correction on volumetric breast density estimation. Physics in Medicine and Biology, 2012, 57, 5155-5168.	3.0	21
360	Characterization of active metamaterials based on negative impedance converters. Journal of Optics (United Kingdom), 2012, 14, 114004.	2.2	14
361	Asymmetric European summer heat predictability from wet and dry southern winters and springs. Nature Climate Change, 2012, 2, 736-741.	18.8	213
362	Climate Change, Weather Insurance Design and Hedging Effectiveness. Geneva Papers on Risk and Insurance: Issues and Practice, 2012, 37, 286-317.	2.1	20
363	The Bumblebees Scarcity Syndrome: Are heat waves leading to local extinctions of bumblebees (Hymenoptera: Apidae: <i>Bombus</i>)?. Annales De La Societe Entomologique De France, 2012, 48, 275-280.	0.9	44
364	Summer temperature variability and long-term survival among elderly people with chronic disease. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6608-6613.	7.1	194
365	AWARENESS AS AN ADAPTATION STRATEGY FOR REDUCING MORTALITY FROM HEAT WAVES: EVIDENCE FROM A DISASTER RISK MANAGEMENT PROGRAM IN INDIA. Climate Change Economics, 2012, 03, 1250010.	5.0	22
366	The 2010 spring drought reduced primary productivity in southwestern China. Environmental Research Letters, 2012, 7, 045706.	5.2	194
367	Human Energy Budget Modeling in Urban Parks in Toronto and Applications to Emergency Heat Stress Preparedness. Journal of Applied Meteorology and Climatology, 2012, 51, 1639-1653.	1.5	53
368	A pan-European summer teleconnection mode recorded by a new temperature reconstruction from the northeastern Mediterranean (<sc>ad</sc> 1768â€“2008). Holocene, 2012, 22, 887-898.	1.7	50
370	Manufactured commodities and climate change. Climate Policy, 2012, 12, S62-S72.	5.1	3
371	Computational estimation of decline in sweating in the elderly from measured body temperatures and sweating for passive heat exposure. Physiological Measurement, 2012, 33, N51-N60.	2.1	22
372	Climate extremes and grassland potential productivity. Environmental Research Letters, 2012, 7, 035703.	5.2	23

#	ARTICLE	IF	CITATIONS
373	Detection of the tropical mussel species <i>Perna viridis</i> in temperate Western Australia: possible association between spawning and a marine heat pulse. <i>Aquatic Invasions</i> , 2012, 7, 483-490.	1.6	16
374	Projected changes of extreme weather events in the eastern United States based on a high resolution climate modeling system. <i>Environmental Research Letters</i> , 2012, 7, 044025.	5.2	148
375	Heatwave classification over Europe and the Mediterranean region. <i>Environmental Research Letters</i> , 2012, 7, 014023.	5.2	224
376	Evaluation and Projection of Temperature Extremes over China Based on CMIP5 Model. <i>Advances in Climate Change Research</i> , 2012, 3, 179-185.	5.1	24
377	Total water storage dynamics in response to climate variability and extremes: Inference from long-term terrestrial gravity measurement. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	44
378	Climate model simulated changes in temperature extremes due to land cover change. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	88
379	Predicting and managing extreme weather events. <i>Physics Today</i> , 2012, 65, 31-37.	0.3	65
380	Temperature-related deaths in people with psychosis, dementia and substance misuse. <i>British Journal of Psychiatry</i> , 2012, 200, 485-490.	2.8	118
381	Climate Change and Children's Health" A Call for Research on What Works to Protect Children. <i>International Journal of Environmental Research and Public Health</i> , 2012, 9, 3298-3316.	2.6	92
382	Changes in Climate Extremes and their Impacts on the Natural Physical Environment. , 2012, , 109-230.		1,080
383	Increasing frequency, intensity and duration of observed global heatwaves and warm spells. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	701
384	Large-Scale Atmospheric Circulation Driving Extreme Climate Events in the Mediterranean and its Related Impacts. , 2012, , 347-417.		25
385	Wastewater Production, Treatment and Reuse Around the Mediterranean Region: Current Status and Main Drivers. , 2012, , 139-174.		9
386	The effect of induced heat waves on <i>Pinus taeda</i> and <i>Quercus rubra</i> seedlings in ambient and elevated CO ₂ atmospheres. <i>New Phytologist</i> , 2012, 196, 448-461.	7.3	116
387	The domestic garden " Its contribution to urban green infrastructure. <i>Urban Forestry and Urban Greening</i> , 2012, 11, 129-137.	5.3	411
389	Quantifying the relevance of atmospheric blocking for co-located temperature extremes in the Northern Hemisphere on (sub-)daily time scales. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	224
390	How does coldwave frequency in china respond to a warming climate?. <i>Climate Dynamics</i> , 2012, 39, 2487-2496.	3.8	28
391	Adaptation to climate change-related risks in Dutch urban areas: stimuli and barriers. <i>Regional Environmental Change</i> , 2012, 12, 777-790.	2.9	116

#	ARTICLE	IF	CITATIONS
392	Increased Mortality During the 2010 Heat Wave in Harbin, China. <i>EcoHealth</i> , 2012, 9, 310-314.	2.0	24
393	Future heat vulnerability in California, Part I: projecting future weather types and heat events. <i>Climatic Change</i> , 2012, 115, 291-309.	3.6	33
394	Perceived causes, exposures and adjustments to seasonal heat in different residential areas in Ibadan, Nigeria. <i>The Environmentalist</i> , 2012, 32, 405-414.	0.7	8
395	Drought as a Trigger for Rapid State Shifts in Kettle Ecosystems: Implications for Ecosystem Responses to Climate Change. <i>Wetlands</i> , 2012, 32, 989-1000.	1.5	30
396	Flexible Distributed Lag Models Using Random Functions With Application to Estimating Mortality Displacement From Heat-Related Deaths. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2012, 17, 313-331.	1.4	19
397	A simulation study on the extreme temperature events of the 20th century by using the BCC_AGCM. <i>Journal of Meteorological Research</i> , 2012, 26, 489-507.	1.0	4
398	Soil moisture-temperature coupling: A multiscale observational analysis. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	212
399	Frequency of Strong Year-Classes: Implications on Fishery Dynamics for Three Life History Strategies of Fishes. <i>North American Journal of Fisheries Management</i> , 2012, 32, 1191-1200.	1.0	3
400	Advanced earth observation methodologies for the study of the Thermal Environment of Cities. , 2012, , .		2
401	Modeling Waves of Extreme Temperature: The Changing Tails of Four Cities. <i>Journal of the American Statistical Association</i> , 2012, 107, 24-39.	3.1	24
402	Public versus expert knowledge and perception of climate change-induced heat wave risk: a modified mental model approach. <i>Journal of Risk Research</i> , 2012, 15, 149-168.	2.6	40
403	Seasonal Patterns in White Crappies' Consumption and Growth: Influences of Varying Water Temperatures and Prey Availability. <i>Transactions of the American Fisheries Society</i> , 2012, 141, 681-696.	1.4	7
404	A spatio-temporal index for heat vulnerability assessment. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 7329-7342.	2.7	35
405	Predicting organismal vulnerability to climate warming: roles of behaviour, physiology and adaptation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1665-1679.	4.0	1,049
406	Shifting species interactions in terrestrial dryland ecosystems under altered water availability and climate change. <i>Biological Reviews</i> , 2012, 87, 563-582.	10.4	141
407	Characteristics of Observed Atmospheric Circulation Patterns Associated with Temperature Extremes over North America. <i>Journal of Climate</i> , 2012, 25, 7266-7281.	3.2	106
408	Relationships between meteorological variables and monthly electricity demand. <i>Applied Energy</i> , 2012, 98, 346-356.	10.1	151
409	Climate change and environmental injustice in a bi-national context. <i>Applied Geography</i> , 2012, 33, 25-35.	3.7	52

#	ARTICLE	IF	CITATIONS
410	Climate and health in Florida: Changes in risks of annual maximum temperatures in the second half of the twentieth century. <i>Applied Geography</i> , 2012, 33, 73-81.	3.7	13
411	Climate change and health: Indoor heat exposure in vulnerable populations. <i>Environmental Research</i> , 2012, 112, 20-27.	7.5	147
412	Impact of ambient temperature on children's health: A systematic review. <i>Environmental Research</i> , 2012, 117, 120-131.	7.5	206
413	Coexistence of <i>Abies alba</i> (Mill.) and <i>Fagus sylvatica</i> (L.) and climate change impact in the Iberian Peninsula: A climatic-niche perspective approach. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2012, 207, 10-18.	1.2	24
414	Effects of management regimes and extreme climatic events on plant population viability in <i>Eryngium alpinum</i> . <i>Biological Conservation</i> , 2012, 147, 99-106.	4.1	14
415	Inequalities in cumulative environmental burdens among three urbanized counties in California. <i>Environment International</i> , 2012, 40, 79-87.	10.0	48
416	Comparing exposure metrics for classifying "dangerous heat" in heat wave and health warning systems. <i>Environment International</i> , 2012, 46, 23-29.	10.0	61
417	Climatic and human influences on fire regimes in mixed conifer forests in Yosemite National Park, USA. <i>Forest Ecology and Management</i> , 2012, 267, 144-156.	3.2	16
418	Mapping heatwave health risk at the community level for public health action. <i>International Journal of Health Geographics</i> , 2012, 11, 38.	2.5	120
419	Multiscale Approach to Life Cycle Assessment. <i>Journal of Industrial Ecology</i> , 2012, 16, 951-962.	5.5	24
420	Eos, Transactions, American Geophysical Union Volume 93, Number 11, 13 March 2012. <i>Eos</i> , 2012, 93, n/a-n/a.	0.1	0
421	Heat wave frequency variability over North America: Two distinct leading modes. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
422	Weather- and climate-related extreme events: teachable moments. <i>Eos</i> , 2012, 93, 120-120.	0.1	8
423	Modeling land-climate coupling in Europe: Impact of land surface representation on climate variability and extremes. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	29
424	Gefährdung Älterer Menschen durch Hitzewellen in exponierten Städten. <i>Public Health Forum</i> , 2012, 20, 25-27.	0.2	2
425	China coldwave duration in a warming winter: change of the leading mode. <i>Theoretical and Applied Climatology</i> , 2012, 110, 65-75.	2.8	16
426	A catalogue of putative unique transcripts from Douglas-fir (<i>Pseudotsuga menziesii</i>) based on 454 transcriptome sequencing of genetically diverse, drought stressed seedlings. <i>BMC Genomics</i> , 2012, 13, 673.	2.8	34
427	Evaluating Spatial-Temporal Dynamics of Net Primary Productivity of Different Forest Types in Northeastern China Based on Improved FORCCHN. <i>PLoS ONE</i> , 2012, 7, e48131.	2.5	28

#	ARTICLE	IF	CITATIONS
428	Changes in Impacts of Climate Extremes: Human Systems and Ecosystems. , 2012, , 231-290.		129
429	Blocking Systems Persist over North Hemisphere and Its Role in Extreme Hot Waves over Russia During Summer 2010. , 0, , .		5
430	Needle longevity as a criterion of response to a climatic fluctuation (so called heat wave) in Scots pine populations at early phases of ontogeny. Journal of Forest Science, 2012, 58, 27-34.	1.1	4
431	A Model Study of Heat Waves over North America: Meteorological Aspects and Projections for the Twenty-First Century. Journal of Climate, 2012, 25, 4761-4784.	3.2	184
432	Species-rich ecosystems are vulnerable to cascading extinctions in an increasingly variable world. Ecology and Evolution, 2012, 2, 858-874.	1.9	36
433	Climate System Response to External Forcings and Climate Change Projections in CCSM4. Journal of Climate, 2012, 25, 3661-3683.	3.2	241
434	Minimising harm from heatwaves: a survey of awareness, knowledge, and practices of health professionals and care providers in Victoria, Australia. International Journal of Public Health, 2012, 57, 297-304.	2.3	25
435	The benefits of quantifying climate model uncertainty in climate change impacts assessment: an example with heat-related mortality change estimates. Climatic Change, 2012, 112, 217-231.	3.6	43
436	Extreme events, trends, and variability in Northern Hemisphere lake-ice phenology (1855–2005). Climatic Change, 2012, 112, 299-323.	3.6	196
437	Possible impacts of climate change on extreme weather events at local scale in south-central Canada. Climatic Change, 2012, 112, 963-979.	3.6	44
438	Changing trends of thermal extremes in Pakistan. Climatic Change, 2012, 113, 883-896.	3.6	44
439	Interannual variation of tropical night frequency in Beijing and associated large-scale circulation background. Advances in Atmospheric Sciences, 2012, 29, 295-306.	4.3	22
440	Dynamics of future seasonal temperature trends and extremes in Europe: a multi-model analysis from CMIP3. Climate Dynamics, 2012, 38, 1949-1964.	3.8	43
441	To bloom or not to bloom: contrasting responses of cyanobacteria to recent heat waves explained by critical thresholds of abiotic drivers. Oecologia, 2012, 169, 245-256.	2.0	127
442	Climate change and future temperature-related mortality in 15 Canadian cities. International Journal of Biometeorology, 2012, 56, 605-619.	3.0	84
443	Biometeorological and air quality assessment in an industrialized area of eastern Mediterranean: the Thriassion Plain, Greece. International Journal of Biometeorology, 2012, 56, 737-747.	3.0	25
444	The stochastic properties of high daily maximum temperatures applying crossing theory to modeling high-temperature event variables. Theoretical and Applied Climatology, 2012, 108, 579-590.	2.8	18
445	Impacts of Urbanization on Ecosystem Goods and Services in the U.S. Corn Belt. Ecosystems, 2012, 15, 519-541.	3.4	46

#	ARTICLE	IF	CITATIONS
446	Effects of an extended drought period on physiological properties of grassland species in the field. <i>Journal of Plant Research</i> , 2012, 125, 251-261.	2.4	27
447	<i>Pinus halepensis</i> Mill. crown development and fruiting declined with repeated drought in Mediterranean France. <i>European Journal of Forest Research</i> , 2012, 131, 919-931.	2.5	56
448	Spatial patterns and drivers of fire occurrence and its future trend under climate change in a boreal forest of Northeast China. <i>Global Change Biology</i> , 2012, 18, 2041-2056.	9.5	202
449	Effects of simulated heat waves on an experimental community of pepper plants, green peach aphids and two parasitoid species. <i>Oikos</i> , 2012, 121, 149-159.	2.7	83
450	Assessing xeriscaping as a sustainable heat island mitigation approach for a desert city. <i>Building and Environment</i> , 2012, 47, 170-181.	6.9	164
451	Building characteristics as determinants of propensity to high indoor summer temperatures in London dwellings. <i>Building and Environment</i> , 2012, 55, 117-130.	6.9	196
452	Effects of drought preconditioning on freezing tolerance of perennial ryegrass. <i>Environmental and Experimental Botany</i> , 2012, 79, 11-20.	4.2	34
453	The influence of mean climate trends and climate variance on beaver survival and recruitment dynamics. <i>Global Change Biology</i> , 2012, 18, 2730-2742.	9.5	56
454	The costs of keeping cool in a warming world: implications of high temperatures for foraging, thermoregulation and body condition of an arid-zone bird. <i>Global Change Biology</i> , 2012, 18, 3063-3070.	9.5	230
455	Effect of the extreme summer heat waves on isolated populations of two orophytic plants in the north Apennines (Italy). <i>Nordic Journal of Botany</i> , 2012, 30, 109-115.	0.5	22
456	High-temperature indices associated with mortality and outpatient visits: Characterizing the association with elevated temperature. <i>Science of the Total Environment</i> , 2012, 427-428, 41-49.	8.0	44
457	Gas Exchange of Five Warm-season Grain Legumes and their Susceptibility to Heat Stress. <i>Journal of Agronomy and Crop Science</i> , 2012, 198, 466-474.	3.5	16
458	Exceedance of heat index thresholds for 15 regions under a warming climate using the wet-bulb globe temperature. <i>International Journal of Climatology</i> , 2012, 32, 161-177.	3.5	222
459	Heat waves and floods in urban areas: a policy-oriented review of ecosystem services. <i>Sustainability Science</i> , 2012, 7, 95-107.	4.9	117
460	Temperature oscillations may shorten male lifespan via natural selection in utero. <i>Climatic Change</i> , 2012, 110, 697-707.	3.6	8
461	The impact of extreme heat on morbidity in Milwaukee, Wisconsin. <i>Climatic Change</i> , 2012, 110, 959-976.	3.6	44
462	Scales of perception: public awareness of regional and neighborhood climates. <i>Climatic Change</i> , 2012, 111, 581-607.	3.6	54
463	Increasing prevalence of extreme summer temperatures in the U.S.. <i>Climatic Change</i> , 2012, 111, 487-495.	3.6	72

#	ARTICLE	IF	CITATIONS
464	Mediterranean warming is especially due to summer season. Theoretical and Applied Climatology, 2012, 107, 279-295.	2.8	40
465	Severe heat waves in Southern Australia: synoptic climatology and large scale connections. Climate Dynamics, 2012, 38, 209-224.	3.8	157
466	Temporal and spatial analyses of temperature in a French wine-producing area: the Loire Valley. International Journal of Climatology, 2013, 33, 1849-1862.	3.5	36
467	The impact and implications of climate change for bats. Mammal Review, 2013, 43, 171-182.	4.8	180
468	Creating the park cool island in an inner-city neighborhood: heat mitigation strategy for Phoenix, AZ. Urban Ecosystems, 2013, 16, 617-635.	2.4	104
469	Engaging stakeholders in an adaptation process: governance and institutional arrangements in heat-health policy development in Adelaide, Australia. Mitigation and Adaptation Strategies for Global Change, 2013, 18, 1001-1018.	2.1	20
470	Summer temperatures in Europe and land heat fluxes in observation-based data and regional climate model simulations. Climate Dynamics, 2013, 41, 455-477.	3.8	43
471	Evaluation of a climate simulation in Europe based on the WRF-NOAH model system: precipitation in Germany. Climate Dynamics, 2013, 41, 755-774.	3.8	109
472	Impact of Climate Variability and Extremes on the Carbon Cycle of the Mediterranean Region. Advances in Global Change Research, 2013, , 31-47.	1.6	2
473	Genetic Engineering of Crops crop/cropping for Insect Resistance crop/cropping for insect resistance. , 2013, , 808-845.		3
474	History of Pacific Northwest Heat Waves: Synoptic Pattern and Trends. Journal of Applied Meteorology and Climatology, 2013, 52, 1618-1631.	1.5	50
475	Future projections of heat waves around Japan simulated by CMIP3 and high-resolution Meteorological Research Institute atmospheric climate models. Journal of Geophysical Research D: Atmospheres, 2013, 118, 3097-3109.	3.3	10
476	Excess mortality and morbidity during the July 2006 heat wave in Porto, Portugal. International Journal of Biometeorology, 2013, 57, 155-167.	3.0	77
477	Increased probability of fire during late Holocene droughts in northern New England. Climatic Change, 2013, 119, 693-704.	3.6	24
478	What Have We Learned about Climate Variability and Human Health?. , 2013, , 79-86.		0
479	Anomalous, extreme weather disrupts obligate seed dispersal mutualism: snow in a subtropical forest ecosystem. Global Change Biology, 2013, 19, 2867-2877.	9.5	36
480	Ability of CCSM4 to simulate California extreme heat conditions from evaluating simulations of the associated large scale upper air pattern. Climate Dynamics, 2013, 41, 1187-1197.	3.8	10
481	Evaluation and response of winter cold spells over Western Europe in CMIP5 models. Climate Dynamics, 2013, 41, 3025-3037.	3.8	28

#	ARTICLE	IF	CITATIONS
482	Summer temperature standard deviation, skewness and strong positive temperature anomalies in the present day climate and under global warming conditions. <i>Climate Dynamics</i> , 2013, 40, 1387-1398.	3.8	17
483	Sensitivity to heat: A comparative study of Phoenix, Arizona and Chicago, Illinois (2003â€“2006). <i>Urban Climate</i> , 2013, 5, 1-18.	5.7	15
484	Relevance of thermal environment to human health: a case study of Ondo State, Nigeria. <i>Theoretical and Applied Climatology</i> , 2013, 113, 205-212.	2.8	22
485	Exceptionally hot summers in Central and Eastern Europe (1951â€“2010). <i>Theoretical and Applied Climatology</i> , 2013, 112, 617-628.	2.8	47
486	Summer heat waves over western Turkey between 1965 and 2006. <i>Theoretical and Applied Climatology</i> , 2013, 112, 339-350.	2.8	52
487	Global increase in record-breaking monthly-mean temperatures. <i>Climatic Change</i> , 2013, 118, 771-782.	3.6	231
488	Effects of artificial warming on the structural, physiological, and biochemical changes of maize (<i>Zea mays</i>) under elevated CO ₂ and temperature. <i>Plant, Cell & Environment</i> , 2013, 36, 1011-1021.	2.1	18
489	Probability of US heat waves affected by a subseasonal planetary wave pattern. <i>Nature Geoscience</i> , 2013, 6, 1056-1061.	12.9	157
490	Climate change and infectious diseases: Can we meet the needs for better prediction?. <i>Climatic Change</i> , 2013, 118, 625-640.	3.6	88
491	Who remembers a hot summer or a cold winter? The asymmetric effect of beliefs about global warming on perceptions of local climate conditions in the U.S.. <i>Global Environmental Change</i> , 2013, 23, 1488-1500.	7.8	170
492	Development of a 3-D urbanization index using digital terrain models for surface urban heat island effects. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2013, 81, 1-11.	11.1	50
494	Wave power variability over the northwest European shelf seas. <i>Applied Energy</i> , 2013, 106, 31-46.	10.1	121
495	Vulnerability of solar energy infrastructure and output to climate change. <i>Climatic Change</i> , 2013, 121, 93-102.	3.6	88
496	Heat waves in the United States: definitions, patterns and trends. <i>Climatic Change</i> , 2013, 118, 811-825.	3.6	241
497	Use of dynamical downscaling to improve the simulation of Central U.S. warm season precipitation in CMIP5 models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,522.	3.3	44
498	On the Measurement of Heat Waves. <i>Journal of Climate</i> , 2013, 26, 4500-4517.	3.2	751
499	Influence of floodâ€stress on ambrosia beetle hostâ€selection and implications for their management in a changing climate. <i>Agricultural and Forest Entomology</i> , 2013, 15, 56-64.	1.3	82
500	Classifying and valuing ecosystem services for urban planning. <i>Ecological Economics</i> , 2013, 86, 235-245.	5.7	1,209

#	ARTICLE	IF	CITATIONS
501	Avoiding the Avoidable: Towards a European Heat Waves Risk Governance. IHDP-integrated Risk Governance Project Series, 2013, , 119-144.	0.1	4
502	Natural Variation in Abiotic Stress and Climate Change Responses in <i>Arabidopsis</i> : Implications for Twenty-First-Century Agriculture. International Journal of Plant Sciences, 2013, 174, 3-26.	1.3	44
503	Influence of drought on tree rings and tracheid features of <i>Pinus nigra</i> and <i>Pinus sylvestris</i> in a mesic Mediterranean forest. European Journal of Forest Research, 2013, 132, 33-45.	2.5	142
504	Carbon and water vapor fluxes over four forests in two contrasting climatic zones. Agricultural and Forest Meteorology, 2013, 180, 211-224.	4.8	27
505	Sensitivity and uncertainty of modelled terrestrial net primary productivity to doubled CO ₂ and associated climate change for a relatively large perturbed physics ensemble. Agricultural and Forest Meteorology, 2013, 170, 79-88.	4.8	28
506	Minimization of Heatwave Morbidity and Mortality. American Journal of Preventive Medicine, 2013, 44, 274-282.	3.0	146
507	Mitigation of drought by thinning: Short-term and long-term effects on growth and physiological performance of Norway spruce (<i>Picea abies</i>). Forest Ecology and Management, 2013, 308, 188-197.	3.2	126
508	The effect of temperature and genotype on pollen performance in olive (<i>Olea europaea</i> L.). Scientia Horticulturae, 2013, 156, 38-46.	3.6	27
509	Temperature effects on hospital admissions for kidney morbidity in Taiwan. Science of the Total Environment, 2013, 443, 812-820.	8.0	23
511	Tree regeneration following drought and insect-induced mortality in piñon-juniper woodlands. New Phytologist, 2013, 200, 402-412.	7.3	46
512	Heat: not black, not white. It's gray!!!. Journal of Basic and Clinical Physiology and Pharmacology, 2013, 24, 209-224.	1.3	11
513	Identification of heat risk patterns in the U.S. National Capital Region by integrating heat stress and related vulnerability. Environment International, 2013, 56, 65-77.	10.0	114
514	A comparative study of within-basin and regional peatland development: implications for peatland carbon dynamics. Quaternary Science Reviews, 2013, 61, 85-95.	3.0	22
515	Expression change of TNF- α in myocardium and hepatic tissue of rats with compound stress of hyperthermia and lipopolysaccharide. Asian Pacific Journal of Tropical Medicine, 2013, 6, 300-304.	0.8	5
516	Multi-criteria heatwave vulnerability assessment of residential wall systems. Energy and Buildings, 2013, 66, 373-383.	6.7	6
517	The effect of heat waves, elevated [CO_2] and low soil water availability on northern red oak (<i>Quercus rubra</i> L.) seedlings. Global Change Biology, 2013, 19, 517-528.	9.5	98
518	Climate change reduces offspring fitness in littoral spawners: a study integrating organismic response and long-term time-series. Global Change Biology, 2013, 19, 373-386.	9.5	30
519	Environmental variability promotes plant invasion. Nature Communications, 2013, 4, 1604.	12.8	135

521	Climate change, extreme weather events, air pollution and respiratory health in Europe. European Respiratory Journal, 2013, 42, 826-843.	6.7	211
522	High-resolution temperature responses of leaf respiration in snow gum (<i>Eucalyptus tereticornis</i>). Tree Physiology, 2013, 36, 1268-1284.	5.7	107
523	Climate warming and ectotherm body size – from individual physiology to community ecology. Functional Ecology, 2013, 27, 991-1001.	3.6	266
524	Synergistic Interactions between Urban Heat Islands and Heat Waves: The Impact in Cities Is Larger than the Sum of Its Parts. Journal of Applied Meteorology and Climatology, 2013, 52, 2051-2064.	1.5	610
525	GM Crop Risk Debate, Science and Socioeconomics. , 2013, , 913-971.		1
526	Improved spatial estimates of climate predict patchier species distributions. Diversity and Distributions, 2013, 19, 1106-1113.	4.1	36
527	Bacterial growth and respiration responses upon rewetting dry forest soils: Impact of drought-legacy. Soil Biology and Biochemistry, 2013, 57, 477-486.	8.8	140
528	Effects of climate warming on host-parasitoid interactions. Ecological Entomology, 2013, 38, 209-218.	2.2	133
529	Does it make economic sense to restore rivers for their ecosystem services?. Journal of Applied Ecology, 2013, 50, 988-997.	4.0	74
530	The simulation of European heat waves from an ensemble of regional climate models within the EURO-CORDEX project. Climate Dynamics, 2013, 41, 2555-2575.	3.8	290
531	Comparison of Monthly Temperature Extremes Simulated by CMIP3 and CMIP5 Models. Journal of Climate, 2013, 26, 7692-7707.	3.2	52
533	Historical and future changes in maximum and minimum temperature records over Europe. Climatic Change, 2013, 117, 415-431.	3.6	29
534	Heat wave hazard classification and risk assessment using artificial intelligence fuzzy logic. Environmental Monitoring and Assessment, 2013, 185, 8239-8258.	2.7	39
535	Explaining Extreme Events of 2012 from a Climate Perspective. Bulletin of the American Meteorological Society, 2013, 94, S1-S74.	3.3	229
536	Extreme climatic event drives range contraction of a habitat-forming species. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122829.	2.6	330
537	Heat-Related Mortality in Freiburg and Rostock in 2003 and 2005 - Methodology and Results. Gesundheitswesen, 2013, 75, e126-e130.	0.5	2
538	Are heat waves susceptible to mitigate the expansion of a species progressing with global warming?. Ecology and Evolution, 2013, 3, 2947-2957.	1.9	26

#	ARTICLE	IF	CITATIONS
539	Nutritional Interventions to Alleviate the Negative Consequences of Heat Stress. <i>Advances in Nutrition</i> , 2013, 4, 267-276.	6.4	165
540	Influences of Circulation and Climate Change on European Summer Heat Extremes. <i>Journal of Climate</i> , 2013, 26, 9621-9632.	3.2	9
541	Regional Climate Projections of Extreme Heat Events in Nine Pilot Canadian Communities for Public Health Planning. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 2669-2698.	1.5	30
542	Urban Ecosystem Services. , 2013, , 175-251.		171
543	Methods to Calculate the Heat Index as an Exposure Metric in Environmental Health Research. <i>Environmental Health Perspectives</i> , 2013, 121, 1111-1119.	6.0	322
544	Performance of four mosses in a reciprocal transplant experiment: implications for peatland succession in NE China. <i>Journal of Bryology</i> , 2013, 35, 220-227.	1.2	13
545	Extreme temperatures and emergency department admissions for childhood asthma in Brisbane, Australia. <i>Occupational and Environmental Medicine</i> , 2013, 70, 730-735.	2.8	86
546	The Racial/Ethnic Distribution of Heat Risk-Related Land Cover in Relation to Residential Segregation. <i>Environmental Health Perspectives</i> , 2013, 121, 811-817.	6.0	180
547	Which are the most important parameters for modelling carbon assimilation in boreal Norway spruce under elevated [CO ₂] and temperature conditions?. <i>Tree Physiology</i> , 2013, 33, 1156-1176.	3.1	31
548	Temperature, Myocardial Infarction, and Mortality. <i>Epidemiology</i> , 2013, 24, 439-446.	2.7	133
549	Competitive and demographic leverage points of community shifts under climate warming. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130572.	2.6	14
550	Xylem embolism threshold for catastrophic hydraulic failure in angiosperm trees. <i>Tree Physiology</i> , 2013, 33, 672-683.	3.1	406
551	Global patterns of NDVI-indicated vegetation extremes and their sensitivity to climate extremes. <i>Environmental Research Letters</i> , 2013, 8, 025009.	5.2	80
552	Prolonged limitation of tree growth due to warmer spring in semi-arid mountain forests of Tianshan, northwest China. <i>Environmental Research Letters</i> , 2013, 8, 024016.	5.2	31
553	Superconducting properties of laser annealed implanted Si:B epilayers. <i>Superconductor Science and Technology</i> , 2013, 26, 045009.	3.5	13
554	A Single Hot Event That Does Not Affect Survival but Decreases Reproduction in the Diamondback Moth, <i>Plutella xylostella</i> . <i>PLoS ONE</i> , 2013, 8, e75923.	2.5	55
555	Differences on the effect of heat waves on mortality by sociodemographic and urban landscape characteristics. <i>Journal of Epidemiology and Community Health</i> , 2013, 67, 519-525.	3.7	103
556	Persistent versus transient tree encroachment of temperate peat bogs: effects of climate warming and drought events. <i>Global Change Biology</i> , 2013, 19, 2240-2250.	9.5	70

#	ARTICLE	IF	CITATIONS
557	An experimental heat wave changes immune defense and life history traits in a freshwater snail. <i>Ecology and Evolution</i> , 2013, 3, 4861-4871.	1.9	48
558	Analysis and Predictive Models of Single-Family Customer Response to Water Curtailments During Drought. <i>Journal of the American Water Resources Association</i> , 2013, 49, 40-51.	2.4	8
559	Effects of drought and ice rain on potential productivity of a subtropical coniferous plantation from 2003 to 2010 based on eddy covariance flux observation. <i>Environmental Research Letters</i> , 2013, 8, 035021.	5.2	15
560	The accuracy of the heat index to explain the excess of mortality and morbidity during heat waves – a case study in a mediterranean climate. <i>Bulletin of Geography</i> , 2013, 20, 71-84.	0.4	13
561	The impact of emission and climate change on ozone in the United States under representative concentration pathways (RCPs). <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9607-9621.	4.9	108
562	Tele-monitoring reduces exacerbation of COPD in the context of climate change – a randomized controlled trial. <i>Environmental Health</i> , 2013, 12, 99.	4.0	33
563	The Influence of green areas and roof albedos on air temperatures during Extreme Heat Events in Berlin, Germany. <i>Meteorologische Zeitschrift</i> , 2013, 22, 131-143.	1.0	47
564	Assessment of bioclimatic conditions within the area of Szczecin agglomeration. <i>Meteorologische Zeitschrift</i> , 2013, 22, 615-626.	1.0	15
565	The importance of mean and variance in predicting changes in temperature extremes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8285-8296.	3.3	17
566	Heat-related mortality in Moldova: the summer of 2007. <i>International Journal of Climatology</i> , 2013, 33, 2551-2560.	3.5	12
567	Asymmetric and heterogeneous frequency of high and low record-breaking temperatures in China as an indication of warming climate becoming more extreme. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6152-6164.	3.3	6
568	Lungs in a Warming World. <i>Chest</i> , 2013, 143, 1455-1459.	0.8	63
569	Heat Waves and Climate Change: Applying the Health Belief Model to Identify Predictors of Risk Perception and Adaptive Behaviours in Adelaide, Australia. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 2164-2184.	2.6	114
570	Short-term cropland responses to temperature extreme events during late winter. <i>Biogeosciences</i> , 2013, 10, 5545-5553.	3.3	6
571	Long-term summer sunshine/moisture stress reconstruction from tree-ring widths from Bosnia and Herzegovina. <i>Climate of the Past</i> , 2013, 9, 27-40.	3.4	17
572	On the effect of short-term climate variability on mountain glaciers: insights from a case study. <i>Journal of Glaciology</i> , 2013, 59, 992-1006.	2.2	18
573	Evapotranspiration and water yield over China's landmass from 2000 to 2010. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 4957-4980.	4.9	43
574	Modelling Soil Water Dynamics under Rainfed Agriculture to Mitigate Climate Change. <i>Journal of Agricultural Science</i> , 2013, 5, .	0.2	0

#	ARTICLE	IF	CITATIONS
575	Occupation and Environmental Heat-Associated Deaths in Maricopa County, Arizona: A Case-Control Study. PLoS ONE, 2013, 8, e62596.	2.5	46
576	Temperatures in Excess of Critical Thresholds Threaten Nestling Growth and Survival in A Rapidly-Warming Arid Savanna: A Study of Common Fiscals. PLoS ONE, 2013, 8, e74613.	2.5	156
577	Identifying Biologically Meaningful Hot-Weather Events Using Threshold Temperatures That Affect Life-History. PLoS ONE, 2013, 8, e82492.	2.5	44
578	Adapting to Extreme Heat Events: Thirty Years of Lessons Learned from the Kansas City, Missouri, Extreme Heat Program. , 0, , 53-64.		0
579	Residential landscape water use in 13 North Carolina communities. Journal - American Water Works Association, 2013, 105, E568.	0.3	6
580	Long-Term Soil Moisture Patterns in a Northern Minnesota Forest. Soil Science Society of America Journal, 2014, 78, S208.	2.2	15
581	Alteration of HSF3 and HSP70 mRNA expression in the tissues of two chicken breeds during acute heat stress. Genetics and Molecular Research, 2014, 13, 9787-9794.	0.2	13
582	Assessment of the Impact of the 2003 and 2006 Heat Waves on Cattle Mortality in France. PLoS ONE, 2014, 9, e93176.	2.5	43
583	How Does Tree Density Affect Water Loss of Peatlands? A Mesocosm Experiment. PLoS ONE, 2014, 9, e91748.	2.5	23
584	Douglas-Fir Seedlings Exhibit Metabolic Responses to Increased Temperature and Atmospheric Drought. PLoS ONE, 2014, 9, e114165.	2.5	21
585	Influence of Heat Waves on Ischemic Heart Diseases in Germany. Climate, 2014, 2, 133-152.	2.8	26
586	Perceptions of Heat Risk to Health: A Qualitative Study of Professional Bus Drivers and Their Managers in Jinan, China. International Journal of Environmental Research and Public Health, 2014, 11, 1520-1535.	2.6	17
587	Heat-Related Deaths in Hot Cities: Estimates of Human Tolerance to High Temperature Thresholds. International Journal of Environmental Research and Public Health, 2014, 11, 3304-3326.	2.6	92
588	Assessing Heat Health Risk for Sustainability in Beijing's Urban Heat Island. Sustainability, 2014, 6, 7334-7357.	3.2	86
589	Heat wave hazard modelling: Qatar case study. QScience Connect, 2014, , 9.	0.3	5
590	Rapid and sudden advection of warm and dry air in the Mediterranean Basin. Natural Hazards and Earth System Sciences, 2014, 14, 235-246.	3.6	5
591	Climate-mediated spatiotemporal variability in terrestrial productivity across Europe. Biogeosciences, 2014, 11, 3057-3068.	3.3	10
592	Analysing the spatio-temporal impacts of the 2003 and 2010 extreme heatwaves on plant productivity in Europe. Biogeosciences, 2014, 11, 3421-3435.	3.3	102

#	ARTICLE	IF	CITATIONS
596	More Frequent, Longer, and Hotter Heat Waves for Australia in the Twenty-First Century. <i>Journal of Climate</i> , 2014, 27, 5851-5871.	3.2	237
597	Modeling the effect of a heat wave on maize production in the USA and its implications on food security in the developing world. <i>Weather and Climate Extremes</i> , 2014, 5-6, 67-77.	4.1	45
598	Global Climate Change and Public Health. , 2014, , .		15
599	Data-based perfect-deficit approach to understanding climate extremes and forest carbon assimilation capacity. <i>Environmental Research Letters</i> , 2014, 9, 065002.	5.2	13
600	Evaluating the impact of urban morphology configurations on the accuracy of urban canopy model temperature simulations with MODIS. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6376-6392.	3.3	37
601	Human Cardiovascular Responses to Passive Heat Stress. , 2015, 5, 17-43.		129
602	Microhabitats in the tropics buffer temperature in a globally coherent manner. <i>Biology Letters</i> , 2014, 10, 20140819.	2.3	72
604	Comparative Assessment of the Effects of Climate Change on Heat- and Cold-Related Mortality in the United Kingdom and Australia. <i>Environmental Health Perspectives</i> , 2014, 122, 1285-1292.	6.0	173
605	Heat Waves and Health Outcomes in Alabama (USA): The Importance of Heat Wave Definition. <i>Environmental Health Perspectives</i> , 2014, 122, 151-158.	6.0	131
606	Heat-Related Mortality and Adaptation to Heat in the United States. <i>Environmental Health Perspectives</i> , 2014, 122, 811-816.	6.0	269
607	Estimation and Uncertainty Analysis of Impacts of Future Heat Waves on Mortality in the Eastern United States. <i>Environmental Health Perspectives</i> , 2014, 122, 10-16.	6.0	101
608	Heat-Related Mortality in India: Excess All-Cause Mortality Associated with the 2010 Ahmedabad Heat Wave. <i>PLoS ONE</i> , 2014, 9, e91831.	2.5	213
609	The Impact of Recent Heat Waves on Human Health in California. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 3-19.	1.5	83
610	The Influence of Recurrent Modes of Climate Variability on the Occurrence of Winter and Summer Extreme Temperatures over North America. <i>Journal of Climate</i> , 2014, 27, 1600-1618.	3.2	51
611	Assessing the Performance of a Vulnerability Index during Oppressive Heat across Georgia, United States. <i>Weather, Climate, and Society</i> , 2014, 6, 253-263.	1.1	58
612	Climate Change. A Global Threat to Cardiopulmonary Health. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 512-519.	5.6	50
613	Northern Hemisphere Climatology and Trends of Statistical Moments Documented from GHCN-Daily Surface Air Temperature Station Data from 1950 to 2010. <i>Journal of Climate</i> , 2014, 27, 5396-5410.	3.2	24
614	The Need for Advocating Regional Human Comfort Design Codes for Public Spaces: A Case Study of a Mediterranean Urban Park. <i>Landscape Research</i> , 2014, 39, 287-304.	1.6	10

#	ARTICLE	IF	CITATIONS
615	A Brief Overview and Preface to the Special Section on Climate Change and Extreme Events. Atmosphere - Ocean, 2014, 52, 169-174.	1.6	0
616	U.S. Daily Temperatures: The Meaning of Extremes in the Context of Nonnormality. Journal of Climate, 2014, 27, 7368-7384.	3.2	43
617	Vulnerability Assessment to Heat Waves, Floods, and Earthquakes Using the MOVE Framework. , 2014, , 91-124.		19
618	Survivability and postâ€diapause fitness in a scolytid beetle as a function of overwintering developmental stage and the implications for population dynamics. Ecological Entomology, 2014, 39, 519-526.	2.2	23
619	Do plant traits explain tree seedling survival in bogs?. Functional Ecology, 2014, 28, 283-290.	3.6	17
620	The effect of a dry spring on seasonal carbon allocation and vegetation dynamics in a poplar bioenergy plantation. GCB Bioenergy, 2014, 6, 473-487.	5.6	31
621	Night warming on hot days produces novel impacts on development, survival and reproduction in a small arthropod. Journal of Animal Ecology, 2014, 83, 769-778.	2.8	95
622	Urban Heat and Climate Justice: A Landscape of Thermal Inequity in Pinellas County, Florida. Geographical Review, 2014, 104, 459-480.	1.8	55
623	Drought increases heat tolerance of leaf respiration in Eucalyptus globulus saplings grown under both ambient and elevated atmospheric [CO ₂] and temperature. Journal of Experimental Botany, 2014, 65, 6471-6485.	4.8	34
624	An MCMC Algorithm for Parameter Estimation in Signals with Hidden Intermittent Instability. SIAM-ASA Journal on Uncertainty Quantification, 2014, 2, 647-669.	2.0	15
625	Impacts of a spring heat wave on canopy processes in a northern hardwood forest. Global Change Biology, 2014, 20, 360-371.	9.5	57
626	Quantifying ecological responses to amplified water level fluctuations in standing waters: an experimental approach. Journal of Applied Ecology, 2014, 51, 1282-1291.	4.0	39
627	Lack of coherence in the warming responses of marine crustaceans. Functional Ecology, 2014, 28, 895-903.	3.6	53
628	Are Tropical Small Mammals Physiologically Vulnerable to Arrhenius Effects and Climate Change?. Physiological and Biochemical Zoology, 2014, 87, 30-45.	1.5	73
629	Resilience to extreme temperature events: acclimation capacity and body condition of a polymorphic fish in response to thermal stress. Biological Journal of the Linnean Society, 2014, 111, 504-510.	1.6	10
630	Land surface thermal environment during heat wave event measured by satellite observation. , 2014, , .		1
631	Poplar saplings exposed to recurring temperature shifts of different amplitude exhibit differences in leaf gas exchange and growth despite equal mean temperature. AoB PLANTS, 2014, 6, .	2.3	21
632	Extinction risk and eco-evolutionary dynamics in a variable environment with increasing frequency of extreme events. Journal of the Royal Society Interface, 2014, 11, 20140441.	3.4	21

#	ARTICLE	IF	CITATIONS
633	Mortality Related to Air Pollution with the Moscow Heat Wave and Wildfire of 2010. <i>Epidemiology</i> , 2014, 25, 359-364.	2.7	287
634	Atmospheric and Oceanic Conditions Associated with Southern Australian Heat Waves: A CMIP5 Analysis. <i>Journal of Climate</i> , 2014, 27, 7807-7829.	3.2	36
635	Climate Change. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 1565.	7.4	354
636	A Tree-Ring Based Late Summer Temperature Reconstruction (AD 1675â€“1980) for the Northeastern Mediterranean. <i>Radiocarbon</i> , 2014, 56, S69-S78.	1.8	17
637	Model projected heat extremes and air pollution in the eastern Mediterranean and Middle East in the twenty-first century. <i>Regional Environmental Change</i> , 2014, 14, 1937-1949.	2.9	81
638	Climate change effects on human health: projections of temperature-related mortality for the UK during the 2020s, 2050s and 2080s. <i>Journal of Epidemiology and Community Health</i> , 2014, 68, 641-648.	3.7	334
639	Heat Waves, Aging, and Human Cardiovascular Health. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 1891-1899.	0.4	203
640	Quasi-resonant circulation regimes and hemispheric synchronization of extreme weather in boreal summer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12331-12336.	7.1	218
641	Effects of Heat Waves on Mortality. <i>Epidemiology</i> , 2014, 25, 15-22.	2.7	140
642	Quality and sensitivity of high-resolution numerical simulation of urban heat islands. <i>Environmental Research Letters</i> , 2014, 9, 055001.	5.2	105
643	Remote estimation of grassland gross primary production during extreme meteorological seasons. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 29, 1-10.	2.8	26
644	Mean radiant temperature â€“ A predictor of heat related mortality. <i>Urban Climate</i> , 2014, 10, 332-345.	5.7	119
645	Human-biometeorological assessment of heat stress reduction by replanning measures in Stuttgart, Germany. <i>Landscape and Urban Planning</i> , 2014, 122, 78-88.	7.5	150
646	The relative importance of input weather data for indoor overheating risk assessment in dwellings. <i>Building and Environment</i> , 2014, 76, 81-91.	6.9	73
647	Projected changes in mean and extreme precipitation indices over India using PRECIS. <i>Global and Planetary Change</i> , 2014, 113, 77-90.	3.5	55
648	The impact of occupancy patterns, occupant-controlled ventilation and shading on indoor overheating risk in domestic environments. <i>Building and Environment</i> , 2014, 78, 183-198.	6.9	119
649	Human-biometeorological assessment of the urban heat island in a city with complex topography â€“ The case of Stuttgart, Germany. <i>Urban Climate</i> , 2014, 10, 573-584.	5.7	59
650	Plot-scale modelling to detect size, extent, and correlates of changes in tree defoliation in French high forests. <i>Forest Ecology and Management</i> , 2014, 311, 56-69.	3.2	37

#	ARTICLE	IF	CITATIONS
651	Long-term analysis of heat waves in Ukraine. International Journal of Climatology, 2014, 34, 1642-1650.	3.5	73
652	INTRA-ANNUAL VARIATION IN RIVER-RESERVOIR INTERFACE FISH ASSEMBLAGES: IMPLICATIONS FOR FISH CONSERVATION AND MANAGEMENT IN REGULATED RIVERS. River Research and Applications, 2014, 30, 780-790.	1.7	29
653	Analysis and modeling of extreme temperatures in several cities in northwestern Mexico under climate change conditions. Theoretical and Applied Climatology, 2014, 116, 211-225.	2.8	19
654	Lizard thermal trait variation at multiple scales: a review. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2014, 184, 5-21.	1.5	154
655	Thermal comfort and forecast of energy consumption in Northwest Iran. Arabian Journal of Geosciences, 2014, 7, 3657-3674.	1.3	12
656	The influence of meteorological and geomagnetic factors on acute myocardial infarction and brain stroke in Moscow, Russia. International Journal of Biometeorology, 2014, 58, 799-808.	3.0	61
657	The Spanish tourist sector facing extreme climate events: a case study of domestic tourism in the heat wave of 2003. International Journal of Biometeorology, 2014, 58, 781-797.	3.0	27
658	The impact of heat waves on children's health: a systematic review. International Journal of Biometeorology, 2014, 58, 239-247.	3.0	133
659	Characteristics of the mean radiant temperature in high latitude cities' implications for sensitive climate planning applications. International Journal of Biometeorology, 2014, 58, 613-627.	3.0	51
660	The SSC: a decade of climate's health research and future directions. International Journal of Biometeorology, 2014, 58, 109-120.	3.0	70
661	Transient twenty-first century changes in daily-scale temperature extremes in the United States. Climate Dynamics, 2014, 42, 1383-1404.	3.8	39
662	Stronger Short-Term Effects of Mowing Than Extreme Summer Weather on a Subalpine Grassland. Ecosystems, 2014, 17, 458-472.	3.4	29
663	A Hierarchical Model for Serially-Dependent Extremes: A Study of Heat Waves in the Western US. Journal of Agricultural, Biological, and Environmental Statistics, 2014, 19, 119-135.	1.4	35
664	Effects of extreme temperature on seedling establishment of nonnative invasive plants. Biological Invasions, 2014, 16, 2049-2061.	2.4	61
665	Effects of elevated CO ₂ , warming and precipitation change on plant growth, photosynthesis and peroxidation in dominant species from North China grassland. Planta, 2014, 239, 421-435.	3.2	141
666	The energy-water nexus: are there tradeoffs between residential energy and water consumption in arid cities?. International Journal of Biometeorology, 2014, 58, 1421-1431.	3.0	19
667	Drought and Ecological Site Interaction on Plant Composition of a Semi-Arid Rangeland. Arid Land Research and Management, 2014, 28, 197-215.	1.6	8
668	Mega-heatwave temperatures due to combined soil desiccation and atmospheric heat accumulation. Nature Geoscience, 2014, 7, 345-349.	12.9	694

#	ARTICLE	IF	CITATIONS
669	WRF simulations of urban heat island under hot-weather synoptic conditions: The case study of Hangzhou City, China. <i>Atmospheric Research</i> , 2014, 138, 364-377.	4.1	154
670	Physiological, biochemical, and genome-wide transcriptional analysis reveals that elevated CO_2 mitigates the impact of combined heat wave and drought stress in <i>Arabidopsis thaliana</i> at multiple organizational levels. <i>Global Change Biology</i> , 2014, 20, 3670-3685.	9.5	152
671	Northern Eurasian Heat Waves and Droughts. <i>Journal of Climate</i> , 2014, 27, 3169-3207.	3.2	178
672	A Trend Analysis of the 1930-2010 Extreme Heat Events in the Continental United States. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 565-582.	1.5	28
673	Tree growth in Swiss forests between 1995 and 2010 in relation to climate and stand conditions: Recent disturbances matter. <i>Forest Ecology and Management</i> , 2014, 311, 41-55.	3.2	47
674	Microhabitats reduce animal's exposure to climate extremes. <i>Global Change Biology</i> , 2014, 20, 495-503.	9.5	353
675	Importance of outdoor shelter for cattle in temperate climates. <i>Livestock Science</i> , 2014, 159, 87-101.	1.6	78
676	Increased temperature variation poses a greater risk to species than climate warming. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132612.	2.6	674
677	Impact of using cool paints on energy demand and thermal comfort of a residential building. <i>Applied Thermal Engineering</i> , 2014, 65, 273-281.	6.0	50
678	North American Climate in CMIP5 Experiments: Part III: Assessment of Twenty-First-Century Projections*. <i>Journal of Climate</i> , 2014, 27, 2230-2270.	3.2	231
679	Magnitude of extreme heat waves in present climate and their projection in a warming world. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,500.	3.3	390
680	Effects of extreme, fluctuating temperature events on life history traits of the grain aphid, <i>Sitobion avenae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2014, 150, 240-249.	1.4	50
681	Future change of extreme temperature climate indices over East Asia with uncertainties estimation in the CMIP5. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2014, 50, 609-624.	2.3	18
682	Coastal and interior Douglas-fir provenances differ in growth performance and response to drought episodes at adult age. <i>Annals of Forest Science</i> , 2014, 71, 709-720.	2.0	21
683	Energy positive domestic wastewater treatment: the roles of anaerobic and phototrophic technologies. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1204-1222.	3.5	119
684	Rapid changes in cell physiology as a result of acute thermal stress House sparrows, <i>Passer domesticus</i> . <i>Journal of Thermal Biology</i> , 2014, 46, 31-39.	2.5	20
685	Does Belgrade (Serbia) need heat health warning system?. <i>Disaster Prevention and Management</i> , 2014, 23, 494-507.	1.2	6
686	Temperature acclimation rate of aerobic scope and feeding metabolism in fishes: implications in a thermally extreme future. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141490.	2.6	140

#	ARTICLE	IF	CITATIONS
687	A systematic approach to model the influence of the type and density of vegetation cover on urban heat using remote sensing. <i>Landscape and Urban Planning</i> , 2014, 132, 47-54.	7.5	73
688	Reducing a semiarid city's peak electrical demand using distributed cold thermal energy storage. <i>Applied Energy</i> , 2014, 134, 35-44.	10.1	45
689	Drivers of lightning- and human-caused fire regimes in the Great Xing'an Mountains. <i>Forest Ecology and Management</i> , 2014, 329, 49-58.	3.2	40
690	Dynamic size responses to climate change: prevailing effects of rising temperature drive long-term body size increases in a semi-arid passerine. <i>Global Change Biology</i> , 2014, 20, 2062-2075.	9.5	43
691	The more, the better? Water relations of Norway spruce stands after progressive thinning. <i>Agricultural and Forest Meteorology</i> , 2014, 197, 235-243.	4.8	107
692	<i>Asplenium</i> bird's nest ferns in rainforest canopies are climate-contingent refuges for frogs. <i>Global Ecology and Conservation</i> , 2014, 2, 37-46.	2.1	30
693	Vulnerability to Drought and Heatwave in London. , 2014, , 125-148.		4
694	Modeling the Potential Impacts of Climate Change on Pacific Salmon Culture Programs: An Example at Winthrop National Fish Hatchery. <i>Environmental Management</i> , 2014, 54, 433-448.	2.7	9
695	Impact of extreme and fluctuating temperatures on aphid-parasitoid dynamics. <i>Oikos</i> , 2014, 123, 89-98.	2.7	26
696	Heat Stress is Associated with Reduced Health Status in Pulmonary Arterial Hypertension: A Prospective Study Cohort. <i>Lung</i> , 2014, 192, 619-624.	3.3	20
697	A spatial and temporal drought risk assessment of three major tree species in Britain using probabilistic climate change projections. <i>Climatic Change</i> , 2014, 124, 791-803.	3.6	27
698	A review of multiple natural hazards and risks in Germany. <i>Natural Hazards</i> , 2014, 74, 2279-2304.	3.4	41
699	Infection success of <i>Echinoparyphium aconiatum</i> (Trematoda) in its snail host under high temperature: role of host resistance. <i>Parasites and Vectors</i> , 2014, 7, 192.	2.5	16
700	Intraspecific trait variability mediates the response of subalpine grassland communities to extreme drought events. <i>Journal of Ecology</i> , 2014, 102, 45-53.	4.0	225
701	Tree-hugging koalas demonstrate a novel thermoregulatory mechanism for arboreal mammals. <i>Biology Letters</i> , 2014, 10, 20140235.	2.3	99
702	Contrasting sensitivities of two dominant C4 grasses to heat waves and drought. <i>Plant Ecology</i> , 2014, 215, 721-731.	1.6	42
703	Evidence of past and future changes in health-related meteorological variables across Luxembourg. <i>Air Quality, Atmosphere and Health</i> , 2014, 7, 71-81.	3.3	12
704	Acute Effects of Drought on Emergent and Aquatic Communities in a Brackish Marsh. <i>Estuaries and Coasts</i> , 2014, 37, 636-645.	2.2	14

#	ARTICLE	IF	CITATIONS
705	Some like it hot and some like it cold, but not too much: plant responses to climate extremes. <i>Plant Ecology</i> , 2014, 215, 677-688.	1.6	64
706	The year-long unprecedented European heat and drought of 1540 – a worst case. <i>Climatic Change</i> , 2014, 125, 349-363.	3.6	99
707	Climate Time Series Analysis. <i>Atmospheric and Oceanographic Sciences Library</i> , 2014, , .	0.1	133
708	On the Attribution of a Single Event to Climate Change. <i>Journal of Climate</i> , 2014, 27, 8297-8301.	3.2	18
709	Exposure to elevated temperatures and risk of preterm birth in Valencia, Spain. <i>Environmental Research</i> , 2014, 134, 210-217.	7.5	57
710	Model Simulation and Projection of European Heat Waves in Present-Day and Future Climates. <i>Journal of Climate</i> , 2014, 27, 3713-3730.	3.2	120
711	What weather variables are important in predicting heat-related mortality? A new application of statistical learning methods. <i>Environmental Research</i> , 2014, 132, 350-359.	7.5	94
712	The cooling effect of urban green spaces as a contribution to energy-saving and emission-reduction: A case study in Beijing, China. <i>Building and Environment</i> , 2014, 76, 37-43.	6.9	152
713	Water availability is the decisive factor for the growth of two tree species in the occurrence of consecutive heat waves. <i>Agricultural and Forest Meteorology</i> , 2014, 189-190, 19-29.	4.8	54
714	Impact of a short-term heat event on C and N relations in shoots vs. roots of the stress-tolerant C4 grass, <i>Andropogon gerardii</i> . <i>Journal of Plant Physiology</i> , 2014, 171, 977-985.	3.5	20
715	Impact of temperature on childhood pneumonia estimated from satellite remote sensing. <i>Environmental Research</i> , 2014, 132, 334-341.	7.5	41
716	Probabilistic Water Demand Forecasting Using Projected Climatic Data for Blue Mountains Water Supply System in Australia. <i>Water Resources Management</i> , 2014, 28, 1959-1971.	3.9	27
717	Bark and wood boring insects involved in oak declines in Europe: Current knowledge and future prospects in a context of climate change. <i>Forest Ecology and Management</i> , 2014, 328, 79-93.	3.2	94
718	Predicting indoor heat exposure risk during extreme heat events. <i>Science of the Total Environment</i> , 2014, 490, 686-693.	8.0	96
719	Projections of heat waves with high impact on human health in Europe. <i>Global and Planetary Change</i> , 2014, 119, 71-84.	3.5	88
720	European heatwave in July 2006: Observations and modeling showing how local processes amplify conducive large-scale conditions. <i>Geophysical Research Letters</i> , 2014, 41, 5644-5652.	4.0	31
721	Impact of initial soil moisture anomalies on climate mean and extremes over Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 529-545.	3.3	51
723	Emergency Department Visits for Heat Stroke in the United States, 2009 and 2010. <i>Injury Epidemiology</i> , 2014, 1, 8.	1.8	15

#	ARTICLE	IF	CITATIONS
724	Extreme summer temperatures in the East Mediterranean—dynamical analysis. <i>International Journal of Climatology</i> , 2014, 34, 849-862.	3.5	43
725	WRF-simulated sensitivity to land surface schemes in short and medium ranges for a high-temperature event in East Asia: A comparative study. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 1305-1325.	3.8	26
726	Positive coupling between growth and reproduction in young post-fire Aleppo pines depends on climate and site conditions. <i>International Journal of Wildland Fire</i> , 2015, 24, 507.	2.4	20
727	A biophysical basis for patchy mortality during heat waves. <i>Ecology</i> , 2015, 96, 902-907.	3.2	29
728	Projected Changes in Greater St. Louis Summer Heat Stress in NARCCAP Simulations. <i>Weather, Climate, and Society</i> , 2015, 7, 159-168.	1.1	13
729	Balancing water scarcity and quality for sustainable irrigated agriculture. <i>Water Resources Research</i> , 2015, 51, 3419-3436.	4.2	140
730	Projected changes in extreme temperature events based on the NARCCAP model suite. <i>Geophysical Research Letters</i> , 2015, 42, 7722-7731.	4.0	34
731	Relationships between climate variability, soil moisture, and Australian heatwaves. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8144-8164.	3.3	108
732	Water use efficiency of China's terrestrial ecosystems and responses to drought. <i>Scientific Reports</i> , 2015, 5, 13799.	3.3	141
733	Spatial analysis of the effect of the 2010 heat wave on stroke mortality in Nanjing, China. <i>Scientific Reports</i> , 2015, 5, 10816.	3.3	31
734	Assessment of the temperature effect on childhood diarrhea using satellite imagery. <i>Scientific Reports</i> , 2014, 4, 5389.	3.3	41
735	Extreme variations in spring temperature affect ecosystem regulating services provided by birds during migration. <i>Ecosphere</i> , 2015, 6, 1-16.	2.2	22
736	Slow Recovery of Mire Vegetation from Environmental Perturbations Caused by a Heat Wave and Experimental Fertilization. <i>Wetlands</i> , 2015, 35, 769-782.	1.5	5
737	Changes in the Frequency and Intensity of Extreme Temperature Events and Human Health Concerns. <i>Current Climate Change Reports</i> , 2015, 1, 155-162.	8.6	71
738	7. Global warming, climate patterns and toxic cyanobacteria. , 2015, , 195-238.		2
739	Reduced soil moisture contributes to more intense and more frequent heat waves in northern China. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 1197-1207.	4.3	21
740	Effects of Climate Change on Pest-Parasitoid Dynamics: Development of a Simulation Model and First Results. <i>Journal of Plant Diseases and Protection</i> , 2015, 122, 28-35.	2.9	8
741	Yield of maize (<i>Zea mays</i> L.) logistically declined with increasing length of the consecutive visible wilting days during flowering. <i>Journal of Crop Science and Biotechnology</i> , 2015, 18, 237-248.	1.5	7

#	ARTICLE	IF	CITATIONS
742	Cool city mornings by urban heat. Environmental Research Letters, 2015, 10, 114022.	5.2	55
743	Investigation of Urban Air Temperature and Humidity Patterns during Extreme Heat Conditions Using Satellite-Derived Data. Journal of Applied Meteorology and Climatology, 2015, 54, 2245-2259.	1.5	11
744	Quantifying seasonal fallback on invertebrates, pith, and bromeliad leaves by white-faced capuchin monkeys (<i>Cebus capucinus</i>) in a tropical dry forest. American Journal of Physical Anthropology, 2015, 158, 67-77.	2.1	27
745	Effect of the C.1388A>G polymorphism in chicken heat shock transcription factor 3 gene on heat tolerance. Journal of Integrative Agriculture, 2015, 14, 1808-1815.	3.5	5
746	Heat stress related dairy cow mortality during heat waves and control periods in rural Southern Ontario from 2010-2012. BMC Veterinary Research, 2015, 11, 291.	1.9	40
747	Heat waves imposed during early pod development in soybean (<i>Glycine max</i>) cause significant yield loss despite a rapid recovery from oxidative stress. Global Change Biology, 2015, 21, 3114-3125.	9.5	108
748	Climate Change and African Americans in the USA. Geography Compass, 2015, 9, 579-591.	2.7	17
749	Particulate matter, air quality and climate: lessons learned and future needs. Atmospheric Chemistry and Physics, 2015, 15, 8217-8299.	4.9	641
750	Drought effect on weaning weight and efficiency relative to cow size in semiarid rangeland1. Journal of Animal Science, 2015, 93, 5829-5839.	0.5	29
751	Detecting synoptic warming trends across the US Midwest and implications to human health and heat-related mortality. International Journal of Climatology, 2015, 35, 85-96.	3.5	37
752	Experimental manipulations of tissue oxygen supply do not affect warming tolerance of European perch. Journal of Experimental Biology, 2015, 218, 2448-54.	1.7	56
753	Do global warming-induced circulation pattern changes affect temperature and precipitation over Europe during summer?. International Journal of Climatology, 2015, 35, 1484-1499.	3.5	23
754	Impacts of climate change on agricultural water management: a review. Wiley Interdisciplinary Reviews: Water, 2015, 2, 439-455.	6.5	41
755	Heat Wave Events over Georgia Since 1961: Climatology, Changes and Severity. Climate, 2015, 3, 308-328.	2.8	22
756	The Effects of Climate Change on Patients With Chronic Lung Disease. Deutsches Ärztblatt International, 2015, 112, 878-83.	0.9	33
757	The Excess Heat Factor: A Metric for Heatwave Intensity and Its Use in Classifying Heatwave Severity. International Journal of Environmental Research and Public Health, 2015, 12, 227-253.	2.6	266
758	An observation-constrained multi-physics WRF ensemble for simulating European mega heat waves. Geoscientific Model Development, 2015, 8, 2285-2298.	3.6	44
759	Climate Change Effects on Heat Waves and Future Heat Wave-Associated IHD Mortality in Germany. Climate, 2015, 3, 100-117.	2.8	55

#	ARTICLE	IF	CITATIONS
760	Detailed Urban Heat Island Projections for Cities Worldwide: Dynamical Downscaling CMIP5 Global Climate Models. <i>Climate</i> , 2015, 3, 391-415.	2.8	61
761	Evaluating the Performance of a Climate-Driven Mortality Model during Heat Waves and Cold Spells in Europe. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 1279-1294.	2.6	25
762	Heat Waves and Morbidity: Current Knowledge and Further Direction-A Comprehensive Literature Review. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 5256-5283.	2.6	196
763	The Construction and Validation of the Heat Vulnerability Index, a Review. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 7220-7234.	2.6	103
764	Impact of Heat and Cold on Total and Cause-Specific Mortality in Vadu HDSS—A Rural Setting in Western India. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 15298-15308.	2.6	25
765	A Spatial Framework to Map Heat Health Risks at Multiple Scales. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 16110-16123.	2.6	60
766	Collaborative Strategies for Sustainable EU Flood Risk Management: FOSS and Geospatial Tools—Challenges and Opportunities for Operative Risk Analysis. <i>ISPRS International Journal of Geo-Information</i> , 2015, 4, 2704-2727.	2.9	37
767	Evaluating the Relationship between the Population Trends, Prices, Heat Waves, and the Demands of Energy Consumption in Cities. <i>Sustainability</i> , 2015, 7, 15284-15301.	3.2	7
768	Season Exerts Differential Effects of Ocean Acidification and Warming on Growth and Carbon Metabolism of the Seaweed <i>Fucus vesiculosus</i> in the Western Baltic Sea. <i>Frontiers in Marine Science</i> , 2015, 2, .	2.5	47
769	Environmental and microbial factors influencing methane and nitrous oxide fluxes in Mediterranean cork oak woodlands: trees make a difference. <i>Frontiers in Microbiology</i> , 2015, 6, 1104.	3.5	15
770	Temperature Variation and Heat Wave and Cold Spell Impacts on Years of Life Lost Among the Urban Poor Population of Nairobi, Kenya. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 2735-2748.	2.6	35
771	Evaluation of Wheat Chromosome Translocation Lines for High Temperature Stress Tolerance at Grain Filling Stage. <i>PLoS ONE</i> , 2015, 10, e0116620.	2.5	32
772	Identifying Individual Risk Factors and Documenting the Pattern of Heat-Related Illness through Analyses of Hospitalization and Patterns of Household Cooling. <i>PLoS ONE</i> , 2015, 10, e0118958.	2.5	17
773	Physiological Trade-Offs Along a Fast-Slow Lifestyle Continuum in Fishes: What Do They Tell Us about Resistance and Resilience to Hypoxia?. <i>PLoS ONE</i> , 2015, 10, e0130303.	2.5	27
774	Changes in Extremely Hot Summers over the Global Land Area under Various Warming Targets. <i>PLoS ONE</i> , 2015, 10, e0130660.	2.5	12
775	Identifying Heat Waves in Florida: Considerations of Missing Weather Data. <i>PLoS ONE</i> , 2015, 10, e0143471.	2.5	3
776	Climate Change and Variability in Ghana: Stocktaking. <i>Climate</i> , 2015, 3, 78-99.	2.8	190
777	The Performance of the National Weather Service Heat Warning System against Ground Observations and Satellite Imagery. <i>Advances in Meteorology</i> , 2015, 2015, 1-15.	1.6	8

#	ARTICLE	IF	CITATIONS
778	Analysis on the Extreme Heat Wave over China around Yangtze River Region in the Summer of 2013 and Its Main Contributing Factors. <i>Advances in Meteorology</i> , 2015, 2015, 1-15.	1.6	40
779	Temperature extremes and detection of heat and cold waves at three sites in Estonia. <i>Proceedings of the Estonian Academy of Sciences</i> , 2015, 64, 473.	1.5	9
780	Evaluation of mechanisms of hot and cold days in climate models over Central Europe. <i>Environmental Research Letters</i> , 2015, 10, 014002.	5.2	21
781	The potential effects of climate change-associated temperature increases on the metabolic rate of a small Afrotropical bird. <i>Journal of Experimental Biology</i> , 2015, 218, 1504-12.	1.7	8
782	Role of redox homeostasis in thermo-tolerance under a climate change scenario: Fig. 1.. <i>Annals of Botany</i> , 2015, 116, 487-496.	2.9	62
783	Influence of eastern Pacific and central Pacific El Niño events on winter climate extremes over the eastern and central United States. <i>International Journal of Climatology</i> , 2015, 35, 4756-4770.	3.5	27
784	Temperature effects on outpatient visits of respiratory diseases, asthma, and chronic airway obstruction in Taiwan. <i>International Journal of Biometeorology</i> , 2015, 59, 815-825.	3.0	44
785	Increasing frequency of low summer precipitation synchronizes dynamics and compromises metapopulation stability in the Glanville fritillary butterfly. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150173.	2.6	50
786	Daily temperature extremes play an important role in predicting thermal effects. <i>Journal of Experimental Biology</i> , 2015, 218, 2289-96.	1.7	77
787	Physics of Changes in Synoptic Midlatitude Temperature Variability. <i>Journal of Climate</i> , 2015, 28, 2312-2331.	3.2	131
788	Climate change vulnerability assessment in Georgia. <i>Applied Geography</i> , 2015, 62, 62-74.	3.7	82
789	Implementation and comparison of a suite of heat stress metrics within the Community Land Model version 4.5. <i>Geoscientific Model Development</i> , 2015, 8, 151-170.	3.6	165
790	Climate change and the impact of extreme temperatures on aviation. , 2015, , .		3
791	When <sc>S</sc>iberia came to the <sc>N</sc>etherlands: the response of continental black-tailed godwits to a rare spring weather event. <i>Journal of Animal Ecology</i> , 2015, 84, 1164-1176.	2.8	61
792	Is climate change the greatest threat to global health?. <i>Geographical Journal</i> , 2015, 181, 413-422.	3.1	20
793	Top ten European heatwaves since 1950 and their occurrence in the coming decades. <i>Environmental Research Letters</i> , 2015, 10, 124003.	5.2	418
794	Vulnerability to heat waves: Impact of urban expansion scenarios on urban heat island and heat stress in Paris (France). <i>Urban Climate</i> , 2015, 14, 586-605.	5.7	199
795	Trends of climate change as related to elevation above sea level. <i>International Journal of Global Warming</i> , 2015, 7, 349.	0.5	0

#	ARTICLE	IF	CITATIONS
796	An Efficient Approach for Local Affinity Pattern Detection in Remotely Sensed Big Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4622-4633.	4.9	10
797	LOCAL CLIMATE CHANGE AND URBAN HEAT ISLAND MITIGATION TECHNIQUES – THE STATE OF THE ART. Journal of Civil Engineering and Management, 2015, 22, 1-16.	3.5	326
798	Genecological Approaches to Predicting the Effects of Climate Change on Plant Populations. Natural Areas Journal, 2015, 35, 152-164.	0.5	20
799	Identification of Extreme Events in Climate Data from Multiple Sites. Procedia Engineering, 2015, 125, 304-310.	1.2	4
800	The Effects of Climate Change on Cardiac Health. Cardiology, 2015, 131, 209-217.	1.4	1,123
801	Surface Temperature Probability Distributions in the NARCCAP Hindcast Experiment: Evaluation Methodology, Metrics, and Results. Journal of Climate, 2015, 28, 978-997.	3.2	22
802	Combined effects of larval exposure to a heat wave and chlorpyrifos in northern and southern populations of the damselfly Ischnura elegans. Chemosphere, 2015, 128, 148-154.	8.2	31
803	Fluctuating Water Temperatures Affect Development, Physiological Responses and Cause Sex Reversal in Fathead Minnows. Environmental Science & Technology, 2015, 49, 1921-1928.	10.0	23
804	Impact on human health of climate changes. European Journal of Internal Medicine, 2015, 26, 1-5.	2.2	107
805	What drives masting? The phenological synchrony hypothesis. Ecology, 2015, 96, 184-192.	3.2	124
806	Environmental heterogeneity generates opposite gene-by-environment interactions for two fitness-related traits within a population. Evolution; International Journal of Organic Evolution, 2015, 69, 541-550.	2.3	10
807	Further Development of the Regional Boundary Layer Model to Study the Impacts of Greenery on the Urban Thermal Environment. Journal of Applied Meteorology and Climatology, 2015, 54, 137-152.	1.5	18
808	Institutionally configured risk: Assessing urban resilience and disaster risk reduction to heat wave risk in London. Urban Studies, 2015, 52, 1218-1233.	3.7	64
809	Quantifying drylands' drought resistance and recovery: the importance of drought intensity, dominant life history and grazing regime. Global Change Biology, 2015, 21, 1258-1270.	9.5	145
810	Climate Change and the Impact of Extreme Temperatures on Aviation. Weather, Climate, and Society, 2015, 7, 94-102.	1.1	65
811	Large scale and sub-regional connections in the lead up to summer heat wave and extreme rainfall events in eastern Australia. Climate Dynamics, 2015, 44, 1823-1840.	3.8	59
812	The influence of surface finishes on the energy demand of HVAC systems for existing buildings. Energy and Buildings, 2015, 95, 70-79.	6.7	31
813	Variability of extreme precipitation over Yunnan Province, China 1960–2012. International Journal of Climatology, 2015, 35, 245-258.	3.5	85

#	ARTICLE	IF	CITATIONS
814	A statistical downscaling algorithm for thermal comfort applications. Theoretical and Applied Climatology, 2015, 122, 729-742.	2.8	9
815	Intensification of future severe heat waves in India and their effect on heat stress and mortality. Regional Environmental Change, 2015, 15, 569-579.	2.9	122
816	Spatial and temporal characteristics of heat waves over Central Europe in an ensemble of regional climate model simulations. Climate Dynamics, 2015, 45, 2351-2366.	3.8	16
817	Quantifying the Effects of Long-Term Climate Change on Tropical Cyclone Rainfall Using a Cloud-Resolving Model: Examples of Two Landfall Typhoons in Taiwan. Journal of Climate, 2015, 28, 66-85.	3.2	48
818	General patterns of acclimation of leaf respiration to elevated temperatures across biomes and plant types. Oecologia, 2015, 177, 885-900.	2.0	151
819	Generation of Artificial Acoustic-Gravity Waves and Traveling Ionospheric Disturbances in HF Heating Experiments. Earth, Moon and Planets, 2015, 116, 67-78.	0.6	13
820	The high vulnerability of Quercus robur to drought at its southern margin paves the way for Quercus ilex. Plant Ecology, 2015, 216, 177-187.	1.6	53
821	Statistical modeling and CMIP5 simulations of hot spell changes in China. Climate Dynamics, 2015, 44, 2859-2872.	3.8	34
822	Ecosystem carbon exchange in response to locust outbreaks in a temperate steppe. Oecologia, 2015, 178, 579-590.	2.0	9
823	Hot Central-European summer of 2013 in a long-term context. International Journal of Climatology, 2015, 35, 4399-4407.	3.5	29
824	The impact of high temperatures on foraging behaviour and body condition in the Western Australian Magpie <i>Cracticus tibicen dorsalis</i> . Ostrich, 2015, 86, 137-144.	1.1	65
825	A review on the scientific understanding of heatwaves—Their measurement, driving mechanisms, and changes at the global scale. Atmospheric Research, 2015, 164-165, 242-267.	4.1	471
826	Temperature tolerance of western Baltic Sea <i>Fucus vesiculosus</i> —growth, photosynthesis and survival. Journal of Experimental Marine Biology and Ecology, 2015, 471, 8-16.	1.5	87
827	Effect of daily temperature range on respiratory health in Argentina and its modification by impaired socio-economic conditions and PM10 exposures. Environmental Pollution, 2015, 206, 175-182.	7.5	41
828	How does nest-box temperature affect nestling growth rate and breeding success in a parrot?. Emu, 2015, 115, 247-255.	0.6	38
829	Simulations of a Heat-Wave Event in New York City Using a Multilayer Urban Parameterization. Journal of Applied Meteorology and Climatology, 2015, 54, 283-301.	1.5	55
830	Physiological Response of German Winter Faba Bean (<i>Vicia faba</i> L.) to Drought. Journal of Crop Improvement, 2015, 29, 319-332.	1.7	4
831	Projected Changes in Climate Extremes over the Northeastern United States. Journal of Climate, 2015, 28, 3289-3310.	3.2	108

#	ARTICLE	IF	CITATIONS
832	Temporalization of Peak Electric Generation Particulate Matter Emissions during High Energy Demand Days. <i>Environmental Science & Technology</i> , 2015, 49, 4696-4704.	10.0	14
833	Total water storage dynamics derived from tree-ring records and terrestrial gravity observations. <i>Journal of Hydrology</i> , 2015, 529, 640-649.	5.4	9
834	Comparison between Observed and Model-Simulated Atmospheric Circulation Patterns Associated with Extreme Temperature Days over North America Using CMIP5 Historical Simulations. <i>Journal of Climate</i> , 2015, 28, 2063-2079.	3.2	21
835	Temporal dynamics of groundwater-dissolved inorganic carbon beneath a drought-affected braided stream: Platte River case study. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 924-937.	3.0	5
836	Changes of western European heat wave characteristics projected by the CMIP5 ensemble. <i>Climate Dynamics</i> , 2015, 45, 1601-1616.	3.8	100
837	Evaluation of large-scale meteorological patterns associated with temperature extremes in the NARCCAP regional climate model simulations. <i>Climate Dynamics</i> , 2015, 45, 3257-3274.	3.8	18
838	New climate and socio-economic scenarios for assessing global human health challenges due to heat risk. <i>Climatic Change</i> , 2015, 130, 505-518.	3.6	62
839	Rising heat wave trends in large US cities. <i>Natural Hazards</i> , 2015, 76, 1651-1665.	3.4	200
840	Comparisons of the Circulation Anomalies Associated with Extreme Heat in Different Regions of Eastern China. <i>Journal of Climate</i> , 2015, 28, 5830-5844.	3.2	93
841	The Community Earth System Model (CESM) Large Ensemble Project: A Community Resource for Studying Climate Change in the Presence of Internal Climate Variability. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1333-1349.	3.3	1,723
842	Quantifying Changes in Extreme Weather Events in Response to Warmer Global Temperature. <i>Atmosphere - Ocean</i> , 2015, 53, 412-425.	1.6	18
843	Effect of heat stress on seed yield components and oil composition in high- and mid-oleic sunflower hybrids. <i>South African Journal of Plant and Soil</i> , 2015, 32, 121-128.	1.1	16
844	Exceptionally Hot and Cold Summers in Europe (1951-2010). <i>Acta Geophysica</i> , 2015, 63, 275-300.	2.0	16
845	Heat and cold waves trends in the Carpathian Region from 1961 to 2010. <i>International Journal of Climatology</i> , 2015, 35, 4197-4209.	3.5	100
846	TEMPERATURE INCREASE, LABOR SUPPLY AND COST OF ADAPTATION IN DEVELOPING ECONOMIES: EVIDENCE ON URBAN WORKERS IN INFORMAL SECTORS. <i>Climate Change Economics</i> , 2015, 06, 1550007.	5.0	6
847	The relationship between spring soil moisture and summer hot extremes over North China. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 1660-1668.	4.3	26
849	Urban neighborhood characteristics influence on a building indoor environment. <i>Sustainable Cities and Society</i> , 2015, 19, 403-413.	10.4	36
850	Downscaling GOES Land Surface Temperature for Assessing Heat Wave Health Risks. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1605-1609.	3.1	17

#	ARTICLE	IF	CITATIONS
851	Does long-term cultivation of saplings under elevated CO2 concentration influence their photosynthetic response to temperature?. <i>Annals of Botany</i> , 2015, 116, 929-939.	2.9	24
852	Persistent cold air outbreaks over North America in a warming climate. <i>Environmental Research Letters</i> , 2015, 10, 044001.	5.2	43
853	Substantial increase in concurrent droughts and heatwaves in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11484-11489.	7.1	447
854	Contrasting responses of urban and rural surface energy budgets to heat waves explain synergies between urban heat islands and heat waves. <i>Environmental Research Letters</i> , 2015, 10, 054009.	5.2	157
855	Avian thermoregulation in the heat: resting metabolism, evaporative cooling and heat tolerance in Sonoran Desert doves and quail. <i>Journal of Experimental Biology</i> , 2015, 218, 3636-3646.	1.7	62
856	A spatial analysis of heat stress related emergency room visits in rural Southern Ontario during heat waves. <i>BMC Emergency Medicine</i> , 2015, 15, 17.	1.9	17
857	Human-biometeorological conditions and thermal perception in a Mediterranean coastal park. <i>International Journal of Biometeorology</i> , 2015, 59, 1347-1362.	3.0	26
858	Winter Climate Extremes over the Northeastern United States and Southeastern Canada and Teleconnections with Large-Scale Modes of Climate Variability*. <i>Journal of Climate</i> , 2015, 28, 2475-2493.	3.2	71
859	Children's health and vulnerability in outdoor microclimates: A comprehensive review. <i>Environment International</i> , 2015, 76, 1-15.	10.0	121
860	Computational estimation of body temperature and sweating in the aged during passive heat exposure. <i>International Journal of Thermal Sciences</i> , 2015, 89, 154-163.	4.9	34
861	Present-day and future mediterranean precipitation extremes assessed by different statistical approaches. <i>Climate Dynamics</i> , 2015, 44, 845-860.	3.8	40
862	Regional climate model simulations of extreme air temperature in Greece. Abnormal or common records in the future climate?. <i>Atmospheric Research</i> , 2015, 152, 43-60.	4.1	44
863	Changes in antioxidants are critical in determining cell responses to short- and long-term heat stress. <i>Physiologia Plantarum</i> , 2015, 153, 68-78.	5.2	53
864	Characterizing joint effects of spatial extent, temperature magnitude and duration of heat waves and cold spells over Central Europe. <i>International Journal of Climatology</i> , 2015, 35, 1232-1244.	3.5	77
865	Influence of heat wave definitions to the added effect of heat waves on daily mortality in Nanjing, China. <i>Science of the Total Environment</i> , 2015, 506-507, 18-25.	8.0	131
866	Extreme temperature events alter demographic rates, relative fitness, and community structure. <i>Global Change Biology</i> , 2015, 21, 1794-1808.	9.5	127
868	Modelling wave-driven sediment transport in a changing climate: a case study for northern Adriatic Sea (Italy). <i>Regional Environmental Change</i> , 2015, 15, 45-55.	2.9	15
869	Interactions between urbanization, heat stress, and climate change. <i>Climatic Change</i> , 2015, 129, 525-541.	3.6	240

#	ARTICLE	IF	CITATIONS
870	Early postfire vegetation recovery of <i>Pinus brutia</i> forests: effects of fire severity, prefire stand age, and aspect. <i>Türk Tarım Ve Ormancılık Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2016, 40, 723-736.	2.1	14
872	Impact of Heat Wave Definitions on the Added Effect of Heat Waves on Cardiovascular Mortality in Beijing, China. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 933.	2.6	25
874	Modifying Effect of Heat Waves on the Relationship between Temperature and Mortality. <i>Journal of Korean Medical Science</i> , 2016, 31, 702.	2.5	10
876	Hottest summers the new normal. <i>Environmental Research Letters</i> , 2016, 11, 081001.	5.2	1
877	The Relationship between the Heat Disorder Incidence Rate and Heat Stress Indices at Yamanashi Prefecture in Japan. <i>Advances in Meteorology</i> , 2016, 2016, 1-11.	1.6	12
878	Impacts of Natural Disasters on Children. <i>Future of Children</i> , 2016, 26, 73-92.	1.0	155
879	Advantages of using a fast urban boundary layer model as compared to a full mesoscale model to simulate the urban heat island of Barcelona. <i>Geoscientific Model Development</i> , 2016, 9, 4439-4450.	3.6	18
880	Susceptibility to Heat-Related Fluid and Electrolyte Imbalance Emergency Department Visits in Atlanta, Georgia, USA. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 982.	2.6	10
881	Urban-Rural Contrasts in Central-Eastern European Cities Using a MODIS 4 Micron Time Series. <i>Remote Sensing</i> , 2016, 8, 924.	4.0	7
882	Urban Heat Stress Vulnerability in the U.S. Southwest: The Role of Sociotechnical Systems. <i>Sustainability</i> , 2016, 8, 842.	3.2	20
883	Vector competence of northern European <i>Culex pipiens</i> biotypes and hybrids for West Nile virus is differentially affected by temperature. <i>Parasites and Vectors</i> , 2016, 9, 393.	2.5	88
884	The role of building models in the evaluation of heat-related risks. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 963-976.	3.6	10
886	Using multiple disparate data sources to map heat vulnerability: Vancouver case study. <i>Canadian Geographer / Géographie Canadienne</i> , 2016, 60, 356-368.	1.5	33
887	Disentangling environmental drivers of metabolic flexibility in birds: the importance of temperature extremes versus temperature variability. <i>Ecography</i> , 2016, 39, 787-795.	4.5	51
888	Heat waves in Central Europe and their circulation conditions. <i>International Journal of Climatology</i> , 2016, 36, 770-782.	3.5	84
889	How do green roofs mitigate urban thermal stress under heat waves?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5320-5335.	3.3	58
890	Aspen Global Change Institute: 25 Years of Interdisciplinary Global Change Science. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 2027-2037.	3.3	0
891	A Statistical Framework to Evaluate Extreme Weather Definitions from a Health Perspective: A Demonstration Based on Extreme Heat Events. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1817-1830.	3.3	31

#	ARTICLE	IF	CITATIONS
892	Effects of temporal variation in temperature and density dependence on insect population dynamics. <i>Ecosphere</i> , 2016, 7, e01287.	2.2	11
893	Land surface and atmospheric conditions associated with heat waves over the Chickasaw Nation in the South Central United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 6284-6298.	3.3	11
894	An ecoclimatic framework for evaluating the resilience of vegetation to water deficit. <i>Global Change Biology</i> , 2016, 22, 1677-1689.	9.5	68
895	Trends toward an earlier peak of the growing season in Northern Hemisphere mid-latitudes. <i>Global Change Biology</i> , 2016, 22, 2852-2860.	9.5	77
896	Plastic and evolutionary responses to heat stress in a temperate dung fly: negative correlation between basal and induced heat tolerance?. <i>Journal of Evolutionary Biology</i> , 2016, 29, 900-915.	1.7	46
897	Major losses of nutrients following a severe drought in a boreal forest. <i>Nature Plants</i> , 2016, 2, 16187.	9.3	24
898	Prevalence rates of health and welfare conditions in broiler chickens change with weather in a temperate climate. <i>Royal Society Open Science</i> , 2016, 3, 160197.	2.4	23
899	Modification of land-atmosphere interactions by CO ₂ effects: Implications for summer dryness and heat wave amplitude. <i>Geophysical Research Letters</i> , 2016, 43, 10,240.	4.0	36
900	On the Variability and Increasing Trends of Heat Waves over India. <i>Scientific Reports</i> , 2016, 6, 26153.	3.3	212
901	The influence of the El Niño Southern Oscillation on heat waves in India. <i>Meteorological Applications</i> , 2016, 23, 705-713.	2.1	33
902	Microscale mobile monitoring of urban air temperature. <i>Urban Climate</i> , 2016, 18, 58-72.	5.7	55
904	A Markov-switching model for heat waves. <i>Annals of Applied Statistics</i> , 2016, 10, .	1.1	11
905	Green and cool roofs to mitigate urban heat island effects in the Chicago metropolitan area: evaluation with a regional climate model. <i>Environmental Research Letters</i> , 2016, 11, 064004.	5.2	180
906	Heat stroke internet searches can be a new heatwave health warning surveillance indicator. <i>Scientific Reports</i> , 2016, 6, 37294.	3.3	16
907	Record-Breaking Heat in Northwest China in July 2015: Analysis of the Severity and Underlying Causes. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, S97-S101.	3.3	21
909	Physiological and molecular evidence of differential short-term heat tolerance in Mediterranean seagrasses. <i>Scientific Reports</i> , 2016, 6, 28615.	3.3	90
910	Breeding and Genetic Enhancement of Dryland Crops. , 2016, , 257-296.		1
911	Explaining Extreme Events of 2015 from a Climate Perspective. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, S1-S145.	3.3	85

#	ARTICLE	IF	CITATIONS
912	Rapid warming and drought negatively impact population size and reproductive dynamics of an avian predator in the arid southwest. <i>Global Change Biology</i> , 2016, 22, 237-253.	9.5	80
913	Interannual variability of heat waves in South Korea and their connection with large-scale atmospheric circulation patterns. <i>International Journal of Climatology</i> , 2016, 36, 4815-4830.	3.5	87
914	Impact of high temperature on the mortality in summer of Wuhan, China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	6
915	Phytoplankton response to short-term temperature and nutrient changes. <i>Limnologia</i> , 2016, 59, 78-89.	1.5	29
916	Post-fire Aleppo pine growth, C and N isotope composition depend on site dryness. <i>Trees - Structure and Function</i> , 2016, 30, 581-595.	1.9	20
917	Heat tolerance evaluation in commercial African violet cultivars using physiological and pollen parameters. <i>Scientia Horticulturae</i> , 2016, 204, 33-40.	3.6	2
918	Projection of heat wave mortality related to climate change in Korea. <i>Natural Hazards</i> , 2016, 80, 623-637.	3.4	52
919	Mechanisms of orthostatic intolerance during heat stress. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2016, 196, 37-46.	2.8	54
920	Analysis of the extremely cold and heavy snowfall in North America in January 2015. <i>Atmospheric and Oceanic Science Letters</i> , 2016, 9, 75-82.	1.3	1
921	Beyond the Mean: Biological Impacts of Cryptic Temperature Change. <i>Integrative and Comparative Biology</i> , 2016, 56, 110-119.	2.0	55
922	Climate Change and the Emergent Epidemic of CKD from Heat Stress in Rural Communities: The Case for Heat Stress Nephropathy. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016, 11, 1472-1483.	4.5	284
923	The influence of pre-existing health conditions on short-term mortality risks of temperature: Evidence from a prospective Chinese elderly cohort in Hong Kong. <i>Environmental Research</i> , 2016, 148, 7-14.	7.5	25
924	Enhanced thermal stability of the thylakoid membranes from spruce. A comparison with selected angiosperms. <i>Photosynthesis Research</i> , 2016, 130, 357-371.	2.9	7
925	The impact of urban planning strategies on heat stress in a climate-change perspective. <i>Sustainable Cities and Society</i> , 2016, 25, 1-12.	10.4	52
926	Assessing the Impact of Enhanced Hydrological Processes on Urban Hydrometeorology with Application to Two Cities in Contrasting Climates. <i>Journal of Hydrometeorology</i> , 2016, 17, 1031-1047.	1.9	50
927	Shoot-level terpenoids emission in Norway spruce (<i>Picea abies</i>) under natural field and manipulated laboratory conditions. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 530-538.	5.8	18
928	Relevance of Thermal Indices for the Assessment of the Urban Heat Island. , 2016, , 93-107.		5
929	Investigation of thermal perceptions of subjects with diverse thermal histories in warm indoor environment. <i>Building and Environment</i> , 2016, 107, 254-262.	6.9	23

#	ARTICLE	IF	CITATIONS
930	Heat Death Associations with the built environment, social vulnerability and their interactions with rising temperature. <i>Health and Place</i> , 2016, 41, 89-99.	3.3	76
931	Surface Urban Energy and Water Balance Scheme (SUEWS): Development and evaluation at two UK sites. <i>Urban Climate</i> , 2016, 18, 1-32.	5.7	83
932	Respiratory Effects of Indoor Heat and the Interaction with Air Pollution in Chronic Obstructive Pulmonary Disease. <i>Annals of the American Thoracic Society</i> , 2016, 13, 2125-2131.	3.2	45
933	Frequency of marine heatwaves in the North Atlantic and North Pacific since 1950. <i>Geophysical Research Letters</i> , 2016, 43, 2069-2076.	4.0	113
934	Thermal Change and the Dynamics of Multi-Host Parasite Life Cycles in Aquatic Ecosystems. <i>Integrative and Comparative Biology</i> , 2016, 56, 561-572.	2.0	53
935	Low precipitation aggravates the impact of extreme high temperatures on lizard reproduction. <i>Oecologia</i> , 2016, 182, 961-971.	2.0	35
936	Projected Changes in Western U.S. Large-Scale Summer Synoptic Circulations and Variability in CMIP5 Models. <i>Journal of Climate</i> , 2016, 29, 5965-5978.	3.2	19
937	Role of Soil Moisture Feedback in the Development of Extreme Summer Drought and Flood in the United States. <i>Journal of Hydrometeorology</i> , 2016, 17, 2191-2207.	1.9	35
938	Exposure to a heat wave under food limitation makes an agricultural insecticide lethal: a mechanistic laboratory experiment. <i>Global Change Biology</i> , 2016, 22, 3361-3372.	9.5	59
939	Phylogeography of the bobwhite (<i>Colinus</i>) quails. <i>Wildlife Monographs</i> , 2016, 193, 1-49.	3.0	15
940	Seasonal mean temperature changes control future heat waves. <i>Geophysical Research Letters</i> , 2016, 43, 7653-7660.	4.0	51
941	Analysing heat exposure in two German cities by using meteorological data from both within and outside the urban area. <i>Meteorological Applications</i> , 2016, 23, 541-553.	2.1	6
942	Warm vegetarians? Heat waves and diet shifts in tadpoles. <i>Ecology</i> , 2016, 97, 2964-2974.	3.2	46
943	Performance comparison of solar autonomous and assisted absorption systems in Spain. <i>International Journal of Refrigeration</i> , 2016, 71, 85-93.	3.4	8
944	High Electricity Demand in the Northeast U.S.: PJM Reliability Network and Peaking Unit Impacts on Air Quality. <i>Environmental Science & Technology</i> , 2016, 50, 8375-8384.	10.0	10
945	Does developmental temperature modulate copepods respiratory activity through adult life?. <i>Journal of Plankton Research</i> , 2016, 38, 1215-1224.	1.8	7
946	Projected intensification of subseasonal temperature variability and heat waves in the Great Plains. <i>Geophysical Research Letters</i> , 2016, 43, 2165-2173.	4.0	50
947	Real-time appraisal of the spatially distributed heat related health risk and energy demand of cities. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
948	Males with larger bills sing at higher rates in a hot and dry environment. <i>Auk</i> , 2016, 133, 770-778.	1.4	19
949	Using the North American Breeding Bird Survey to assess broad-scale response of the continent's most imperiled avian community, grassland birds, to weather variability. <i>Condor</i> , 2016, 118, 502-512.	1.6	34
950	Transcriptome and digital gene expression analysis of herbaceous peony (<i>Paeonia lactiflora</i> Pall.) to screen thermo-tolerant related differently expressed genes. <i>Genes and Genomics</i> , 2016, 38, 1201-1215.	1.4	21
951	Moral Relevance of Range and Naturalness in Assisted Migration. <i>Environmental Values</i> , 2016, 25, 465-483.	1.2	10
952	Projected Changes in Heat Extremes and Associated Synoptic- and Mesoscale Conditions over the Northwest United States. <i>Journal of Climate</i> , 2016, 29, 6383-6400.	3.2	12
953	Outcomes of hospitalizations for common illnesses associated with a comorbid heat-related illness in the United States, 2001â€“2010. <i>Climatic Change</i> , 2016, 138, 567-584.	3.6	10
954	The burden of extreme heat and heatwave on emergency ambulance dispatches: A time-series study in Huainan, China. <i>Science of the Total Environment</i> , 2016, 571, 27-33.	8.0	36
955	Role of quasiresonant planetary wave dynamics in recent boreal spring-to-autumn extreme events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6862-6867.	7.1	73
956	Quantifying impacts of heat waves on power grid operation. <i>Applied Energy</i> , 2016, 183, 504-512.	10.1	53
957	Physiological constraints to climate warming in fish follow principles of plastic floors and concrete ceilings. <i>Nature Communications</i> , 2016, 7, 11447.	12.8	192
958	Cold snaps, heatwaves, and arthropod growth. <i>Ecological Entomology</i> , 2016, 41, 653-659.	2.2	38
960	Evolution of the Circulation Anomalies and the Quasi-Biweekly Oscillations Associated with Extreme Heat Events in Southern China. <i>Journal of Climate</i> , 2016, 29, 6909-6921.	3.2	32
961	Detection of anthropogenic influence on a summertime heat stress index. <i>Climatic Change</i> , 2016, 138, 25-39.	3.6	76
962	Increasing flash droughts over China during the recent global warming hiatus. <i>Scientific Reports</i> , 2016, 6, 30571.	3.3	179
963	Coming up for air: thermal-dependence of dive behaviours and metabolism in sea snakes. <i>Journal of Experimental Biology</i> , 2016, 219, 3447-3454.	1.7	11
964	Counteracting Urban Heat Island Effects in a Global Climate Change Scenario. , 2016, , .		27
965	Heat related mortality in Cyprus under the A1B emissions scenario: Is additional air-conditioning an appropriate mitigation strategy?. , 2016, , .		1
966	Changes in Wind Speed under Heat Waves Enhance Urban Heat Islands in the Beijing Metropolitan Area. <i>Journal of Applied Meteorology and Climatology</i> , 2016, 55, 2369-2375.	1.5	57

#	ARTICLE	IF	CITATIONS
967	Small-scale human-biometeorological impacts of shading by a large tree. Open Geosciences, 2016, 8, .	1.7	31
968	Extreme Heat Events. , 0, , 692-715.		0
969	Testing a land model in ecosystem functional space via a comparison of observed and modeled ecosystem flux responses to precipitation regimes and associated stresses in a Central U.S. forest. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1884-1902.	3.0	29
970	Modeling Sustainability: Population, Inequality, Consumption, and Bidirectional Coupling of the Earth and Human Systems. National Science Review, 2016, 3, nww081.	9.5	96
971	An interdecadal shift in the number of hot nights around 1997 over Eastern China. Atmospheric Science Letters, 2016, 17, 501-509.	1.9	0
972	Mitigating Climate Change at the Carbon Water Nexus: A Call to Action for the Environmental Engineering Community. Environmental Engineering Science, 2016, 33, 719-724.	1.6	12
973	âœœFeel Suffocated:âœ• Understandings of Climate Change in an Inner City Heat Island. Medical Anthropology: Cross Cultural Studies in Health and Illness, 2016, 35, 453-463.	1.2	10
974	A 15-Year Analysis of Surface Ozone Pollution in the Context of Hot Spells Episodes over Poland. Acta Geophysica, 2016, 64, 1875-1902.	2.0	6
976	Population structure of <i>Liparis loeselii</i> (L.) Rich. in relation to habitat conditions in the Warta River valley (Poland). Biodiversity Research and Conservation, 2016, 43, 41-52.	0.3	3
977	Drivers of exceptionally cold North Atlantic Ocean temperatures and their link to the 2015 European heat wave. Environmental Research Letters, 2016, 11, 074004.	5.2	122
978	European heat waves: the effect of soil moisture, vegetation, and land use. , 0, , 185-197.		2
979	The superâœ•heat wave in eastern China during Julyâœ•August 2013: a perspective of climate change. International Journal of Climatology, 2016, 36, 1291-1298.	3.5	65
980	Three-dimensional structure and long-term trend of heat wave events in western Eurasia revealed with an anomaly-based approach. International Journal of Climatology, 2016, 36, 4315-4326.	3.5	21
981	Projected Changes in Mid-Twenty-First-Century Extreme Maximum Pavement Temperature in Canada. Journal of Applied Meteorology and Climatology, 2016, 55, 961-974.	1.5	13
982	Summer U.S. Surface Air Temperature Variability: Controlling Factors and AMIP Simulation Biases. Journal of Climate, 2016, 29, 5123-5139.	3.2	26
983	Spatio-temporal changes in heat waves and cold spells: an analysis of 55 U.S. cities. Physical Geography, 2016, 37, 189-209.	1.4	13
984	Extreme hot summers in China in the CMIP5 climate models. Climatic Change, 2016, 135, 669-681.	3.6	23
985	The variation of climate change impact on building energy consumption to building type and spatiotemporal scale. Energy, 2016, 111, 137-153.	8.8	90

#	ARTICLE	IF	CITATIONS
986	Knowledge, Perception and Socioeconomic Vulnerability of Urban and Peri-urban Households to Heat Waves in Pakistan. <i>Environmental Science and Engineering</i> , 2016, , 191-202.	0.2	1
987	Vulnerabilities to agricultural production shocks: An extreme, plausible scenario for assessment of risk for the insurance sector. <i>Climate Risk Management</i> , 2016, 13, 1-9.	3.2	37
988	Overly persistent circulation in climate models contributes to overestimated frequency and duration of heat waves and cold spells. <i>Climate Dynamics</i> , 2016, 46, 2805-2820.	3.8	21
989	Warm season temperatures and emergency department visits in Atlanta, Georgia. <i>Environmental Research</i> , 2016, 147, 314-323.	7.5	68
990	Meta-Analysis of Diet Composition and Potential Conflict of Wild Horses with Livestock and Wild Ungulates on Western Rangelands of North America. <i>Rangeland Ecology and Management</i> , 2016, 69, 310-318.	2.3	57
991	The intensification of thermal extremes in west Africa. <i>Global and Planetary Change</i> , 2016, 139, 66-77.	3.5	23
992	Microclimate Modification by Urban Shade Trees – An Integrated Approach to Aid Ecosystem Service Based Decision-making. <i>Procedia Environmental Sciences</i> , 2016, 32, 97-109.	1.4	52
993	More than Drought: Precipitation Variance, Excessive Wetness, Pathogens and the Future of the Western Edge of the Eastern Deciduous Forest. <i>Science of the Total Environment</i> , 2016, 566-567, 463-467.	8.0	62
994	Inter-annual variability in urban heat island intensity over 10 major cities in the United States. <i>Sustainable Cities and Society</i> , 2016, 26, 65-75.	10.4	47
995	Climate, Environmental Health Vulnerability, and Physical Planning. <i>Journal of Planning Literature</i> , 2016, 31, 3-22.	3.5	6
996	Implementing Climate Change Adaptation in Cities and Communities. <i>Climate Change Management</i> , 2016, , .	0.8	30
997	Model analysis of urbanization impacts on boundary layer meteorology under hot weather conditions: a case study of Nanjing, China. <i>Theoretical and Applied Climatology</i> , 2016, 125, 713-728.	2.8	16
998	The Roles of Radiative Forcing, Sea Surface Temperatures, and Atmospheric and Land Initial Conditions in U.S. Summer Warming Episodes. <i>Journal of Climate</i> , 2016, 29, 4121-4135.	3.2	36
999	Interplay of drought and tropical cyclone activity in SE U.S. gross primary productivity. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2016, 121, 1540-1567.	3.0	9
1000	Impact of increasing heat waves on U.S. ozone episodes in the 2050s: Results from a multimodel analysis using extreme value theory. <i>Geophysical Research Letters</i> , 2016, 43, 4017-4025.	4.0	85
1001	Projected changes in heat wave characteristics in the eastern Mediterranean and the Middle East. <i>Regional Environmental Change</i> , 2016, 16, 1863-1876.	2.9	103
1002	The impact of temperature on mortality in a subtropical city: effects of cold, heat, and heat waves in São Paulo, Brazil. <i>International Journal of Biometeorology</i> , 2016, 60, 113-121.	3.0	76
1003	A hierarchical approach to defining marine heatwaves. <i>Progress in Oceanography</i> , 2016, 141, 227-238.	3.2	1,081

#	ARTICLE	IF	CITATIONS
1004	Coordinated management of combined sewer overflows by means of environmental decision support systems. <i>Science of the Total Environment</i> , 2016, 550, 256-264.	8.0	13
1005	Analysis of the future potential of index insurance in the West African Sahel using CMIP5 GCM results. <i>Climatic Change</i> , 2016, 134, 15-28.	3.6	9
1006	Prediction of blanket peat erosion across Great Britain under environmental change. <i>Climatic Change</i> , 2016, 134, 177-191.	3.6	15
1007	Spatiotemporal Changes in Comfortable Weather Duration in the Continental United States and Implications for Human Wellness. <i>Annals of the American Association of Geographers</i> , 2016, 106, 1-18.	2.2	24
1008	Respiration rates of the copepod <i>Pseudodiaptomus annandalei</i> in tropical waters: beyond the thermal optimum. <i>Journal of Plankton Research</i> , 2016, 38, 456-467.	1.8	18
1009	Recent increase in heat wave frequency around Mongolia: role of atmospheric forcing and possible influence of soil moisture deficit. <i>Atmospheric Science Letters</i> , 2016, 17, 135-140.	1.9	36
1010	Long-lead predictions of eastern United States hot days from Pacific sea surface temperatures. <i>Nature Geoscience</i> , 2016, 9, 389-394.	12.9	97
1011	Impact of heatwave on mortality under different heatwave definitions: A systematic review and meta-analysis. <i>Environment International</i> , 2016, 89-90, 193-203.	10.0	329
1012	Heat waves, temperature extremes and their impacts on monsoon rainfall and meteorological drought in Gujarat, India. <i>Natural Hazards</i> , 2016, 82, 367-388.	3.4	39
1013	Will bryophytes survive in a warming world?. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2016, 19, 49-60.	2.7	107
1014	Evaluation of dynamically downscaled extreme temperature using a spatially-aggregated generalized extreme value (GEV) model. <i>Climate Dynamics</i> , 2016, 47, 2833-2849.	3.8	23
1015	Heat waves reduce ecosystem carbon sink strength in a Eurasian meadow steppe. <i>Environmental Research</i> , 2016, 144, 39-48.	7.5	31
1016	North American extreme temperature events and related large scale meteorological patterns: a review of statistical methods, dynamics, modeling, and trends. <i>Climate Dynamics</i> , 2016, 46, 1151-1184.	3.8	199
1017	Changes in population susceptibility to heat and cold over time: assessing adaptation to climate change. <i>Environmental Health</i> , 2016, 15, 33.	4.0	123
1018	Added effect of heat wave on mortality in Seoul, Korea. <i>International Journal of Biometeorology</i> , 2016, 60, 719-726.	3.0	27
1019	The Effects of Rising Temperature on the Ecophysiology of Tropical Forest Trees. <i>Tree Physiology</i> , 2016, , 385-412.	2.5	36
1020	Impacts of precipitation variability on plant species and community water stress in a temperate deciduous forest in the central US. <i>Agricultural and Forest Meteorology</i> , 2016, 217, 120-136.	4.8	33
1021	Linking wood anatomy and xylogenesis allows pinpointing of climate and drought influences on growth of coexisting conifers in continental Mediterranean climate. <i>Tree Physiology</i> , 2016, 36, 502-512.	3.1	85

#	ARTICLE	IF	CITATIONS
1022	The Effects of Air Pollution and Temperature on COPD. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2016, 13, 372-379.	1.6	163
1023	Hot playgrounds and children's health: A multiscale analysis of surface temperatures in Arizona, USA. Landscape and Urban Planning, 2016, 146, 29-42.	7.5	69
1024	Energy flux parametrization as an opportunity to get Urban Heat Island insights: The case of Athens, Greece (Thermopolis 2009 Campaign). Science of the Total Environment, 2016, 542, 136-143.	8.0	10
1025	Climatic Change in the Built Environment in Temperate Climates with Emphasis on the Mediterranean Area. , 2016, , 19-36.		2
1026	Demographic response of a neotropical migrant songbird to forest management and climate change scenarios. Forest Ecology and Management, 2016, 359, 309-320.	3.2	12
1027	Can the Tibetan Plateau snow cover influence the interannual variations of Eurasian heat wave frequency?. Climate Dynamics, 2016, 46, 3405-3417.	3.8	85
1028	Synoptic-scale characteristics and atmospheric controls of summer heat waves in China. Climate Dynamics, 2016, 46, 2923-2941.	3.8	147
1029	Projected changes to high temperature events for Canada based on a regional climate model ensemble. Climate Dynamics, 2016, 46, 3163-3180.	3.8	40
1030	Mapping rural community and dairy cow heat stress in Southern Ontario: A common geographic pattern from 2010 to 2012. Archives of Environmental and Occupational Health, 2016, 71, 199-207.	1.4	5
1031	Projection of heat waves over China for eight different global warming targets using 12 CMIP5 models. Theoretical and Applied Climatology, 2017, 128, 507-522.	2.8	105
1032	Stakeholder perceptions of event attribution in the loss and damage debate. Climate Policy, 2017, 17, 533-550.	5.1	27
1033	Vulnerability of agro-ecological zones in India under the earth system climate model scenarios. Mitigation and Adaptation Strategies for Global Change, 2017, 22, 399-425.	2.1	30
1034	High-frequency daily temperature variability in China and its relationship to large-scale circulation. International Journal of Climatology, 2017, 37, 570-582.	3.5	31
1035	Recent warming trend in the coastal region of Qatar. Theoretical and Applied Climatology, 2017, 128, 193-205.	2.8	25
1036	Warm spells in Northern Europe in relation to atmospheric circulation. Theoretical and Applied Climatology, 2017, 128, 623-634.	2.8	17
1037	High-resolution simulation of heatwave events in New York City. Theoretical and Applied Climatology, 2017, 128, 89-102.	2.8	64
1038	Local communities' belief in climate change in a rural region of Sub-Saharan Africa. Environment, Development and Sustainability, 2017, 19, 1489-1522.	5.0	14
1039	Spatial and temporal features of summer extreme temperature over China during 1960-2013. Theoretical and Applied Climatology, 2017, 128, 821-833.	2.8	25

#	ARTICLE	IF	CITATIONS
1040	High resolution climate projections to assess the future vulnerability of European urban areas to climatological extreme events. <i>Theoretical and Applied Climatology</i> , 2017, 127, 667-683.	2.8	23
1041	Multi-decadal variability of soil moisture-temperature coupling over the contiguous United States modulated by Pacific and Atlantic sea surface temperatures. <i>International Journal of Climatology</i> , 2017, 37, 1400-1415.	3.5	12
1042	Anomaly based analysis of extreme heat waves in Eastern China during 1981-2013. <i>International Journal of Climatology</i> , 2017, 37, 509-523.	3.5	46
1043	Heat wave over India during summer 2015: an assessment of real time extended range forecast. <i>Meteorology and Atmospheric Physics</i> , 2017, 129, 375-393.	2.0	39
1044	The extreme European summer of 2015 in a long-term perspective. <i>International Journal of Climatology</i> , 2017, 37, 943-962.	3.5	95
1045	Social media responses to heat waves. <i>International Journal of Biometeorology</i> , 2017, 61, 1247-1260.	3.0	12
1046	Thermal Control, Weather, and Aging. <i>Current Environmental Health Reports</i> , 2017, 4, 21-29.	6.7	35
1047	High temperature induces downregulation of polydnavirus gene transcription in lepidopteran host and enhances accumulation of host immunity gene transcripts. <i>Journal of Insect Physiology</i> , 2017, 98, 126-133.	2.0	14
1048	Towards an assessment of adaptive capacity of the European agricultural sector to droughts. <i>Climate Services</i> , 2017, 7, 47-63.	2.5	39
1049	Nearshore and offshore co-occurrence of marine heatwaves and cold-spells. <i>Progress in Oceanography</i> , 2017, 151, 189-205.	3.2	76
1050	Characterization of Heat Waves in the Sahel and Associated Physical Mechanisms. <i>Journal of Climate</i> , 2017, 30, 3095-3115.	3.2	37
1051	Characterizing Large-Scale Meteorological Patterns and Associated Temperature and Precipitation Extremes over the Northwestern United States Using Self-Organizing Maps. <i>Journal of Climate</i> , 2017, 30, 2829-2847.	3.2	50
1052	Growth rates of common urban trees in five cities in Great Britain: A dendrochronological evaluation with an emphasis on the impact of climate. <i>Urban Forestry and Urban Greening</i> , 2017, 22, 11-23.	5.3	24
1053	Spatially Explicit Mapping of Heat Health Risk Utilizing Environmental and Socioeconomic Data. <i>Environmental Science & Technology</i> , 2017, 51, 1498-1507.	10.0	61
1054	The impact of meteorological persistence on the distribution and extremes of ozone. <i>Geophysical Research Letters</i> , 2017, 44, 1545-1553.	4.0	42
1055	Models of Arctic-alpine refugia highlight importance of climate and local topography. <i>Polar Biology</i> , 2017, 40, 489-502.	1.2	9
1056	How hard they hit? Perception, adaptation and public health implications of heat waves in urban and peri-urban Pakistan. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10630-10639.	5.3	58
1057	Changes in North American Atmospheric Circulation and Extreme Weather: Influence of Arctic Amplification and Northern Hemisphere Snow Cover. <i>Journal of Climate</i> , 2017, 30, 4317-4333.	3.2	71

#	ARTICLE	IF	CITATIONS
1058	Characterizing extreme and oppressive heat waves in Illinois. Journal of Geophysical Research D: Atmospheres, 2017, 122, 682-698.	3.3	24
1059	Functional green roofs: Importance of plant choice in maximising summertime environmental cooling and substrate insulation potential. Energy and Buildings, 2017, 141, 56-68.	6.7	59
1060	Co-occurrence of extremes in surface ozone, particulate matter, and temperature over eastern North America. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2854-2859.	7.1	131
1061	Ionospheric plasma disturbances generated by naturally occurring large-scale anomalous heat sources. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 156, 15-23.	1.6	1
1062	Remote Sensing, natural hazards and the contribution of ESA Sentinels missions. Remote Sensing Applications: Society and Environment, 2017, 6, 25-38.	1.5	53
1063	Local soil type variability controls the water budget and stand productivity in a beech forest. Forest Ecology and Management, 2017, 390, 89-103.	3.2	33
1064	Does a Strong El Niño Imply a Higher Predictability of Extreme Drought?. Scientific Reports, 2017, 7, 40741.	3.3	42
1065	Integrating Health Into Buildings of the Future. Journal of Solar Energy Engineering, Transactions of the ASME, 2017, 139, .	1.8	20
1066	Simulated heat waves during maize reproductive stages alter reproductive growth but have no lasting effect when applied during vegetative stages. Agriculture, Ecosystems and Environment, 2017, 240, 162-170.	5.3	73
1067	Black-swan events in animal populations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3252-3257.	7.1	86
1068	Analysis and prediction of a catastrophic Indian coastal heat wave of 2015. Natural Hazards, 2017, 87, 395-414.	3.4	35
1069	Development of a method for estimating oesophageal temperature by multi-locational temperature measurement inside the external auditory canal. International Journal of Biometeorology, 2017, 61, 1545-1554.	3.0	7
1070	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
1071	The status and prospect of seasonal climate prediction of climate over Korea and East Asia: A review. Asia-Pacific Journal of Atmospheric Sciences, 2017, 53, 149-173.	2.3	16
1072	Heatwave effects on greenhouse gas emissions from shallow lake mesocosms. Freshwater Biology, 2017, 62, 1130-1142.	2.4	22
1073	Monthly Extreme Temperature Trends in CMIP5 Hindcast/Prediction Simulations, 1981-2010 and 2006-35. Journal of Applied Meteorology and Climatology, 2017, 56, 1141-1154.	1.5	3
1074	Temporal and spatial activity-associated energy partitioning in free-swimming sea snakes. Functional Ecology, 2017, 31, 1739-1749.	3.6	17
1075	Cladoceran offspring tolerance to toxic Microcystis is promoted by maternal warming. Environmental Pollution, 2017, 227, 451-459.	7.5	27

#	ARTICLE	IF	CITATIONS
1076	A review of current and future weather data for building simulation. Building Services Engineering Research and Technology, 2017, 38, 602-627.	1.8	128
1077	Decompose the association between heatwave and mortality: Which type of heatwave is more detrimental?. Environmental Research, 2017, 156, 770-774.	7.5	28
1078	Extreme weather and climate events with ecological relevance: a review. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160135.	4.0	467
1079	Estimating the carbon fluxes of forests with an individual-based forest model. Forest Ecosystems, 2017, 4, .	3.1	13
1080	On the Spatio-Temporal End-User Energy Demands of a Dense Urban Environment. Journal of Solar Energy Engineering, Transactions of the ASME, 2017, 139, .	1.8	16
1081	Mortality effects of temperature changes in the United Kingdom. Journal of Forecasting, 2017, 36, 824-841.	2.8	9
1082	Comparing observed and hypothetical climates as a means of communicating to the public and policymakers: The case of European heatwaves. Environmental Science and Policy, 2017, 67, 27-34.	4.9	14
1084	Global risk of deadly heat. Nature Climate Change, 2017, 7, 501-506.	18.8	887
1085	Cardiac remodeling and increased central venous pressure underlie elevated stroke volume and cardiac output of seawater-acclimated rainbow trout. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R31-R39.	1.8	24
1086	Contribution of urbanization to the increase of extreme heat events in an urban agglomeration in east China. Geophysical Research Letters, 2017, 44, 6940-6950.	4.0	161
1087	Extreme temperatures in Southeast Asia caused by El Niño and worsened by global warming. Nature Communications, 2017, 8, 15531.	12.8	167
1088	A new method of multi-model ensemble to improve the simulation of the geographic distribution of the Köppen-Geiger climatic types. International Journal of Climatology, 2017, 37, 5129-5138.	3.5	5
1089	Effect of dung beetle species richness and chemical perturbation on multiple ecosystem functions. Ecological Entomology, 2017, 42, 577-586.	2.2	26
1090	Increasing probability of mortality during Indian heat waves. Science Advances, 2017, 3, e1700066.	10.3	247
1091	Urban heat island mesoscale modelling study for the Budapest agglomeration area using the WRF model. Urban Climate, 2017, 21, 66-86.	5.7	25
1092	The Role of Soil Moisture-Atmosphere Interaction on Future Hot Spells over North America as Simulated by the Canadian Regional Climate Model (CRCM5). Journal of Climate, 2017, 30, 5041-5058.	3.2	23
1093	Wing shape-mediated carry-over effects of a heat wave during the larval stage on post-metamorphic locomotor ability. Oecologia, 2017, 184, 279-291.	2.0	27
1094	Influence of Anthropogenic Climate Change on Planetary Wave Resonance and Extreme Weather Events. Scientific Reports, 2017, 7, 45242.	3.3	215

#	ARTICLE	IF	CITATIONS
1095	Clean water and sanitation for all: interactions with other sustainable development goals. Sustainable Water Resources Management, 2017, 3, 479-489.	2.1	9
1096	Global and regional changes in exposure to extreme heat and the relative contributions of climate and population change. Scientific Reports, 2017, 7, 43909.	3.3	79
1097	Analyzing the impact of thermal stress on vegetation health and agricultural drought – a case study from Gujarat, India. GIScience and Remote Sensing, 2017, 54, 678-699.	5.9	63
1098	Evaluation of individual and area-level factors as modifiers of the association between warm-season temperature and pediatric asthma morbidity in Atlanta, GA. Environmental Research, 2017, 156, 132-144.	7.5	33
1099	Factors Contributing to Record-Breaking Heat Waves over the Great Plains during the 1930s Dust Bowl. Journal of Climate, 2017, 30, 2437-2461.	3.2	35
1100	Thermophysiological adaptations to passive mild heat acclimation. Temperature, 2017, 4, 176-186.	3.0	40
1101	Building Information Modelling, Building Performance, Design and Smart Construction. , 2017, , .		11
1102	The influence of internal climate variability on heatwave frequency trends. Environmental Research Letters, 2017, 12, 044005.	5.2	42
1103	How does the South Asian High influence extreme precipitation over eastern China?. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4281-4298.	3.3	63
1104	Neotropical Migrants Exhibit Variable Body-Size Changes Over Time and Space. Northeastern Naturalist, 2017, 24, 82-96.	0.3	5
1105	Profiling urban vulnerabilities to climate change: An indicator-based vulnerability assessment for European cities. Ecological Indicators, 2017, 78, 142-155.	6.3	132
1106	Comparative germination responses to water potential across different populations of <i>Aegilops geniculata</i> and cultivar varieties of <i>Triticum durum</i> and <i>Triticum aestivum</i> . Plant Biology, 2017, 19, 165-171.	3.8	16
1107	Fine-scale spatial and temporal variation in temperature and arrhythmia episodes in the VA Normative Aging Study. Journal of the Air and Waste Management Association, 2017, 67, 96-104.	1.9	12
1108	Overheating in vulnerable and non-vulnerable households. Building Research and Information, 2017, 45, 102-118.	3.9	46
1109	Climate warming and heat waves affect reproductive strategies and interactions between submerged macrophytes. Global Change Biology, 2017, 23, 108-116.	9.5	58
1110	Worsening of Heat Stress Due To Global Warming in South Korea Based on Multi-RCM Ensemble Projections. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,444.	3.3	16
1111	Simulation of extreme temperature over Odisha during May 2015. Weather and Climate Extremes, 2017, 17, 17-28.	4.1	13
1112	Effects of short-term heat shock and physiological responses to heat stress in two <i>Bradysia</i> adults, <i>Bradysia odoriphaga</i> and <i>Bradysia difformis</i> . Scientific Reports, 2017, 7, 13381.	3.3	46

#	ARTICLE	IF	CITATIONS
1113	The Heat Exposure Integrated Deprivation Index (HEIDI): A data-driven approach to quantifying neighborhood risk during extreme hot weather. <i>Environment International</i> , 2017, 109, 42-52.	10.0	40
1114	Optimizing the spatial arrangement of trees in residential neighborhoods for better cooling effects: Integrating modeling with in-situ measurements. <i>Landscape and Urban Planning</i> , 2017, 167, 463-472.	7.5	78
1115	Potential to Constrain Projections of Hot Temperature Extremes. <i>Journal of Climate</i> , 2017, 30, 9949-9964.	3.2	18
1116	Effectiveness of Different Urban Heat Island Mitigation Methods and Their Regional Impacts. <i>Journal of Hydrometeorology</i> , 2017, 18, 2991-3012.	1.9	27
1117	Synergies between Urban Heat Island and Heat Waves in Athens (Greece), during an extremely hot summer (2012). <i>Scientific Reports</i> , 2017, 7, 10973.	3.3	265
1118	Changes in regional heatwave characteristics as a function of increasing global temperature. <i>Scientific Reports</i> , 2017, 7, 12256.	3.3	231
1119	Heat wave exposure in India in current, 1.5°C, and 2.0°C worlds. <i>Environmental Research Letters</i> , 2017, 12, 124012.	5.2	107
1120	Attribution and mitigation of heat wave-induced urban heat storage change. <i>Environmental Research Letters</i> , 2017, 12, 114007.	5.2	35
1122	Beneficial effects of a heat wave: higher growth and immune components driven by a higher food intake. <i>Journal of Experimental Biology</i> , 2017, 220, 3908-3915.	1.7	17
1123	Climate Extremes, Vegetation Change, and Decoupling of Interactive Fire-Grazing Processes Exacerbate Fly Parasitism of Cattle. <i>Environmental Entomology</i> , 2017, 46, 191-200.	1.4	5
1124	Water Resources Adaptation to Climate and Demand Change in the Potomac River. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	1.9	7
1125	Shifting from a fertilization-dominated to a warming-dominated period. <i>Nature Ecology and Evolution</i> , 2017, 1, 1438-1445.	7.8	167
1126	Influence of climate change on summer cooling costs and heat stress in urban office buildings. <i>Climatic Change</i> , 2017, 144, 721-735.	3.6	19
1127	Eurasian Red Squirrels Show Little Seasonal Variation in Metabolism in Food-Enriched Habitat. <i>Physiological and Biochemical Zoology</i> , 2017, 90, 655-662.	1.5	12
1128	Infection increases vulnerability to climate change via effects on host thermal tolerance. <i>Scientific Reports</i> , 2017, 7, 9349.	3.3	84
1129	Application of artificial neural networks for determining energy-efficient operating set-points of the VRF cooling system. <i>Building and Environment</i> , 2017, 125, 77-87.	6.9	46
1130	Albedo, Land Cover, and Daytime Surface Temperature Variation Across an Urbanized Landscape. <i>Earth's Future</i> , 2017, 5, 1084-1101.	6.3	80
1131	Leaf thermotolerance in tropical trees from a seasonally dry climate varies along the slow-fast resource acquisition spectrum. <i>Scientific Reports</i> , 2017, 7, 11246.	3.3	46

#	ARTICLE	IF	CITATIONS
1132	Resilience to heat waves in the aquatic snail <i>Lymnaea stagnalis</i> : Additive and interactive effects with micropollutants. <i>Freshwater Biology</i> , 2017, 62, 1831-1846.	2.4	29
1133	Evaluating the variability and trends in extreme climate events in the Kashmir Valley using PRECIS RCM simulations. <i>Modeling Earth Systems and Environment</i> , 2017, 3, 1647-1662.	3.4	47
1134	Sub-ambient non-evaporative fluid cooling with Åthe Åsky. <i>Nature Energy</i> , 2017, 2, .	39.5	343
1135	Heat stress increase under climate change twice as large in cities as in rural areas: A study for a densely populated midlatitude maritime region. <i>Geophysical Research Letters</i> , 2017, 44, 8997-9007.	4.0	125
1136	Climate variability of heat waves and their associated diurnal temperature range variations in Taiwan. <i>Environmental Research Letters</i> , 2017, 12, 074017.	5.2	25
1137	Future summer mega-heatwave and record-breaking temperatures in a warmer France climate. <i>Environmental Research Letters</i> , 2017, 12, 074025.	5.2	54
1138	Supporting sustainability initiatives through biometeorology education and training. <i>International Journal of Biometeorology</i> , 2017, 61, 93-106.	3.0	6
1139	Spatial and temporal variability of air temperature across urban neighborhoods with varying amounts of tree canopy. <i>Urban Forestry and Urban Greening</i> , 2017, 27, 109-116.	5.3	31
1140	Characterizing prolonged heat effects on mortality in a sub-tropical high-density city, Hong Kong. <i>International Journal of Biometeorology</i> , 2017, 61, 1935-1944.	3.0	46
1141	The role of city size and urban form in the surface urban heat island. <i>Scientific Reports</i> , 2017, 7, 4791.	3.3	221
1142	Modelling West Nile virus transmission risk in Europe: effect of temperature and mosquito biotypes on the basic reproduction number. <i>Scientific Reports</i> , 2017, 7, 5022.	3.3	50
1143	Unprecedented heat wave in December 2015 and potential for winter glacier ablation in the eastern Alps. <i>Scientific Reports</i> , 2017, 7, 7090.	3.3	15
1144	Are winter and summer dormancy symmetrical seasonal adaptive strategies? The case of temperate herbaceous perennials. <i>Annals of Botany</i> , 2017, 119, 311-323.	2.9	53
1145	Planning for a sustainable desert city: The potential water buffering capacity of urban green infrastructure. <i>Landscape and Urban Planning</i> , 2017, 167, 339-347.	7.5	53
1146	Carbon and nitrogen allocation shifts in plants and soils along aridity and fertility gradients in grasslands of China. <i>Ecology and Evolution</i> , 2017, 7, 6927-6934.	1.9	41
1148	Heat and hypoxia give a global invader, <i>Gambusia holbrooki</i> , the edge over a threatened endemic fish on Australian floodplains. <i>Biological Invasions</i> , 2017, 19, 2477-2489.	2.4	12
1149	Chronic warm exposure impairs growth performance and reduces thermal safety margins in the common triplefin fish (<i>Forsterygion lapillum</i>). <i>Journal of Experimental Biology</i> , 2017, 220, 3527-3535.	1.7	23
1150	Stomatal conductance increases with rising temperature. <i>Plant Signaling and Behavior</i> , 2017, 12, e1356534.	2.4	164

#	ARTICLE	IF	CITATIONS
1151	Southeastern Australian Heat Waves from a Trajectory Viewpoint. <i>Monthly Weather Review</i> , 2017, 145, 4109-4125.	1.4	40
1152	Deadly heat waves projected in the densely populated agricultural regions of South Asia. <i>Science Advances</i> , 2017, 3, e1603322.	10.3	354
1153	Streamflow response to potential land use and climate changes in the James River watershed, Upper Midwest United States. <i>Journal of Hydrology: Regional Studies</i> , 2017, 14, 150-166.	2.4	46
1154	Phytoplankton response to the summer 2015 heat wave – a case study from prealpine Lake Mondsee, Austria. <i>Inland Waters</i> , 2017, 7, 88-99.	2.2	17
1155	Stability of marine phytoplankton communities facing stress related to global change: Interactive effects of heat waves and turbidity. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 497, 219-229.	1.5	18
1156	Probabilistic adaptive thermal comfort for resilient design. <i>Building and Environment</i> , 2017, 123, 109-118.	6.9	18
1157	Urban thermal risk reduction: Developing and implementing spatially explicit services for resilient cities. <i>Sustainable Cities and Society</i> , 2017, 34, 56-68.	10.4	26
1158	Testing the time-scale dependence of delayed interactions: A heat wave during the egg stage shapes how a pesticide interacts with a successive heat wave in the larval stage. <i>Environmental Pollution</i> , 2017, 230, 351-359.	7.5	8
1159	Analysis of long-term variation of the annual number of warmer and colder days using Mahalanobis distance metrics – A case study for Athens. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 487, 22-31.	2.6	8
1160	Potential for adaptation to climate change: family-level variation in fitness-related traits and their responses to heat waves in a snail population. <i>BMC Evolutionary Biology</i> , 2017, 17, 140.	3.2	27
1161	Observed trends in various aspects of compound heat waves across China from 1961 to 2015. <i>Journal of Meteorological Research</i> , 2017, 31, 455-467.	2.4	38
1162	A trend towards a stable warm and windless state of the surface weather conditions in northern and northeastern China during 1961–2014. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 713-726.	4.3	14
1163	Observed Climate Variability and Change over the Indian Region. <i>Springer Geology</i> , 2017, , .	0.3	26
1164	Major heat waves of 2003 and 2006 and health outcomes in Prague. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 183-194.	3.3	6
1165	Trends, seasonality and effect of ambient temperature on preterm delivery. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2017, 30, 2483-2487.	1.5	18
1166	Drivers of self-reported heat stress in the Australian labour force. <i>Environmental Research</i> , 2017, 152, 272-279.	7.5	28
1167	Building Thermal Performance, Extreme Heat, and Climate Change. <i>Journal of Infrastructure Systems</i> , 2017, 23, .	1.8	27
1168	Land-Cover and Land-Use Changes in Eastern Europe after the Collapse of the Soviet Union in 1991. , 2017, , .		19

#	ARTICLE	IF	CITATIONS
1169	The Ryukyu flying fox (<i>Pteropus dasymallus</i>)—A review of conservation threats and call for reassessment. <i>Mammalian Biology</i> , 2017, 83, 71-77.	1.5	21
1170	Integrating new indicators of predictors that shape the public's perception of local extreme temperature in China. <i>Science of the Total Environment</i> , 2017, 579, 529-536.	8.0	9
1171	Heat Waves in Southern China: Synoptic Behavior, Long-Term Change, and Urbanization Effects. <i>Journal of Climate</i> , 2017, 30, 703-720.	3.2	223
1172	Heat and Cold Waves Over India. <i>Springer Geology</i> , 2017, , 51-71.	0.3	12
1173	Spatiotemporal variability of extreme temperature frequency and amplitude in China. <i>Atmospheric Research</i> , 2017, 185, 131-141.	4.1	33
1174	Getting closure: The role of urban forest canopy density in moderating summer surface temperatures in a large city. <i>Urban Ecosystems</i> , 2017, 20, 141-156.	2.4	37
1175	Heat exposure on farmers in northeast Ghana. <i>International Journal of Biometeorology</i> , 2017, 61, 397-406.	3.0	25
1176	Morphological variation in the specialist Dupont's Lark <i>Chersophilus duponti</i> : geographical clines vs. local ecological determinants. <i>Journal of Ornithology</i> , 2017, 158, 25-38.	1.1	4
1177	Heat resistance throughout ontogeny: body size constrains thermal tolerance. <i>Global Change Biology</i> , 2017, 23, 686-696.	9.5	113
1178	Relationship among environmental quality variables, housing variables, and residential needs: a secondary analysis of the relationship among indoor, outdoor, and personal air (RIOPA) concentrations database. <i>International Journal of Biometeorology</i> , 2017, 61, 513-525.	3.0	5
1179	Evaluation of wall surface temperatures in green facades. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2017, 170, 334-344.	0.7	14
1180	Heterogeneous changes in avian body size across and within species. <i>Journal of Ornithology</i> , 2017, 158, 39-52.	1.1	10
1181	Assessing the uncertainty of CESM in simulating the trends of mean and extreme temperature and precipitation over China. <i>International Journal of Climatology</i> , 2017, 37, 2101-2110.	3.5	24
1182	Recent climate hiatus revealed dual control by temperature and drought on the stem growth of Mediterranean <i>Quercus ilex</i> . <i>Global Change Biology</i> , 2017, 23, 42-55.	9.5	29
1183	Extreme climatic events constrain space use and survival of a ground-nesting bird. <i>Global Change Biology</i> , 2017, 23, 1832-1846.	9.5	61
1184	A comparison of heat wave climatologies and trends in China based on multiple definitions. <i>Climate Dynamics</i> , 2017, 48, 3975-3989.	3.8	147
1185	A virtual climate library of surface temperature over North America for 1979–2015. <i>Scientific Data</i> , 2017, 4, 170155.	5.3	1
1186	High-Resolution Dynamical Downscaling Ensemble Projections of Future Extreme Temperature Distributions for the United States. <i>Earth's Future</i> , 2017, 5, 1234-1251.	6.3	42

#	ARTICLE	IF	CITATIONS
1187	Increase in leaf temperature opens stomata and decouples net photosynthesis from stomatal conductance in <i>Pinus taeda</i> and <i>Populus deltoides</i> x <i>nigra</i> . <i>Journal of Experimental Botany</i> , 2017, 68, 1757-1767.	4.8	317
1188	Contributions of changes in climatology and perturbation and the resulting nonlinearity to regional climate change. <i>Nature Communications</i> , 2017, 8, 2224.	12.8	14
1189	A heat wave forecast system for Europe. , 2017, , .		1
1191	Searching for the Haplorrhine Heterotherm: Field and Laboratory Data of Free-Ranging Tarsiers. <i>Frontiers in Physiology</i> , 2017, 8, 745.	2.8	5
1192	Using Regional Climate Projections to Guide Grassland Community Restoration in the Face of Climate Change. <i>Frontiers in Plant Science</i> , 2017, 8, 730.	3.6	15
1193	Mortality Associated with High Ambient Temperatures, Heatwaves, and the Urban Heat Island in Athens, Greece. <i>Sustainability</i> , 2017, 9, 606.	3.2	84
1194	Implications of Changing Temperatures on the Growth, Fecundity and Survival of Intermediate Host Snails of Schistosomiasis: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 80.	2.6	47
1195	Multiple Regression Analysis for Unmixing of Surface Temperature Data in an Urban Environment. <i>Remote Sensing</i> , 2017, 9, 684.	4.0	34
1196	Synoptic Conditions Generating Heat Waves and Warm Spells in Romania. <i>Atmosphere</i> , 2017, 8, 50.	2.3	39
1197	Temperature and Heat-Related Mortality Trends in the Sonoran and Mojave Desert Region. <i>Atmosphere</i> , 2017, 8, 53.	2.3	14
1198	Increasing Heatwave Hazards in the Southeastern European Union Capitals. <i>Atmosphere</i> , 2017, 8, 115.	2.3	53
1199	Towards Systematic Prediction of Urban Heat Islands: Grounding Measurements, Assessing Modeling Techniques. <i>Climate</i> , 2017, 5, 41.	2.8	39
1200	Trend of Outbreak of Thermal Illness Patients Based on Temperature 2002â€“2013 in Korea. <i>Climate</i> , 2017, 5, 94.	2.8	6
1201	Effects of Drought on Xylem Anatomy and Water-Use Efficiency of Two Co-Occurring Pine Species. <i>Forests</i> , 2017, 8, 332.	2.1	49
1202	Modeling the Effects of Urban Design on Emergency Medical Response Calls during Extreme Heat Events in Toronto, Canada. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 778.	2.6	8
1203	Intraseasonal Variability of Air Temperature Over East Asia in Boreal Summer. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	6
1204	Responses of Winter Wheat Yields to Warming-Mediated Vernalization Variations Across Temperate Europe. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	2.2	12
1205	Contrasting effects of heat pulses on different trophic levels, an experiment with a herbivore-parasitoid model system. <i>PLoS ONE</i> , 2017, 12, e0176704.	2.5	28

#	ARTICLE	IF	CITATIONS
1206	Heat in the southeastern United States: Characteristics, trends, and potential health impact. PLoS ONE, 2017, 12, e0177937.	2.5	33
1207	The Record Los Angeles Heat Event of September 2010: 1. Synopticâ€Scaleâ€Mesoâ€Scale Analyses of Interactive Planetary Wave Breaking, Terrainâ€and Coastalâ€Induced Circulations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 10,729.	3.3	3
1208	Plantâ€Insect Interactions in a Changing World. Advances in Botanical Research, 2017, 81, 289-332.	1.1	33
1209	The health effects of hotter summers and heat waves in the population of the United Kingdom: a review of the evidence. Environmental Health, 2017, 16, 119.	4.0	101
1210	Relationships between climate of origin and photosynthetic responses to an episodic heatwave depend on growth CO2 concentration for Eucalyptus camaldulensis var. camaldulensis. Functional Plant Biology, 2017, 44, 1053.	2.1	4
1211	Effect of Heat Wave Conditions on Aerosol Optical Properties Derived from Satellite and Ground-Based Remote Sensing over Poland. Remote Sensing, 2017, 9, 1199.	4.0	26
1212	The Impact of Climate Change on Biodiversity in Nepal: Current Knowledge, Lacunae, and Opportunities. Climate, 2017, 5, 80.	2.8	42
1213	Multivariate anomaly detection for Earth observations: a comparison of algorithms and feature extraction techniques. Earth System Dynamics, 2017, 8, 677-696.	7.1	27
1214	Heat Stress Decreases Levels of Nutrient-Uptake and -Assimilation Proteins in Tomato Roots. Plants, 2017, 6, 6.	3.5	111
1215	Time-series Analysis of Heat Waves and Emergency Department Visits in Atlanta, 1993 to 2012. Environmental Health Perspectives, 2017, 125, 057009.	6.0	52
1216	Delineation of Spatial Variability in the Temperatureâ€Mortality Relationship on Extremely Hot Days in Greater Vancouver, Canada. Environmental Health Perspectives, 2017, 125, 66-75.	6.0	53
1217	Heat Wave and Mortality: A Multicountry, Multicommunity Study. Environmental Health Perspectives, 2017, 125, 087006.	6.0	320
1218	Response of water temperatures and stratification to changing climate in three lakes with different morphometry. Hydrology and Earth System Sciences, 2017, 21, 6253-6274.	4.9	112
1219	Urban Heat Island Intensification during Hot Spellsâ€The Case of Paris during the Summer of 2003. Urban Science, 2017, 1, 3.	2.3	37
1220	Temporal Variability of Summer Temperature Extremes in Poland. Atmosphere, 2017, 8, 51.	2.3	27
1221	Heat Waves in China: Definitions, Leading Patterns, and Connections to Largeâ€Scale Atmospheric Circulation and SSTs. Journal of Geophysical Research D: Atmospheres, 2017, 122, 10,679.	3.3	105
1222	Avoided climate impacts of urban and rural heat and cold waves over the U.S. using large climate model ensembles for RCP8.5 and RCP4.5. Climatic Change, 2018, 146, 377-392.	3.6	63
1223	The importance of aerosol scenarios in projections of future heat extremes. Climatic Change, 2018, 146, 393-406.	3.6	47

#	ARTICLE	IF	CITATIONS
1224	Benefits of mitigation for future heat extremes under RCP4.5 compared to RCP8.5. <i>Climatic Change</i> , 2018, 146, 349-361.	3.6	52
1225	Chile Confronts its Environmental Health Future After 25 Years of Accelerated Growth. <i>Annals of Global Health</i> , 2018, 81, 354.	2.0	34
1226	Synoptic characteristics, atmospheric controls, and long-term changes of heat waves over the Indochina Peninsula. <i>Climate Dynamics</i> , 2018, 51, 2707-2723.	3.8	26
1227	New York City Impacts on a Regional Heat Wave. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 837-851.	1.5	40
1228	Multibiomarker response shows how native and non-native freshwater bivalves differentially cope with heatwave events. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2018, 28, 934-943.	2.0	22
1229	Daily stem water deficit of Norway spruce and European beech in intra- and interspecific neighborhood under heavy drought. <i>Scandinavian Journal of Forest Research</i> , 2018, 33, 568-582.	1.4	8
1230	Medical diagnoses of heat wave-related hospital admissions in older adults. <i>Preventive Medicine</i> , 2018, 110, 81-85.	3.4	45
1231	Risk Management of Heatstroke Based on Fast Computation of Temperature and Water Loss Using Weather Data for Exposure to Ambient Heat and Solar Radiation. <i>IEEE Access</i> , 2018, 6, 3774-3785.	4.2	16
1232	Defining Extreme Events: A Cross-Disciplinary Review. <i>Earth's Future</i> , 2018, 6, 441-455.	6.3	167
1233	How a 10-day heatwave impacts barley grain yield when superimposed onto future levels of temperature and CO ₂ as single and combined factors. <i>Agriculture, Ecosystems and Environment</i> , 2018, 259, 45-52.	5.3	22
1234	Heatwave and health events: A systematic evaluation of different temperature indicators, heatwave intensities and durations. <i>Science of the Total Environment</i> , 2018, 630, 679-689.	8.0	72
1235	An Ensemble Covariance Framework for Quantifying Forced Climate Variability and Its Time of Emergence. <i>Journal of Climate</i> , 2018, 31, 4117-4133.	3.2	11
1236	Long-term variability of macrobenthic community in a shallow coastal lagoon (Valli di Comacchio). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> 137, 73-87.	2.5	19
1237	A new wearable monitoring system for investigating pedestrians' environmental conditions: Development of the experimental tool and start-up findings. <i>Science of the Total Environment</i> , 2018, 630, 690-706.	8.0	47
1238	Temporal changes in mortality impacts of heat wave and cold spell in Korea and Japan. <i>Environment International</i> , 2018, 116, 136-146.	10.0	75
1239	Trends of atmospheric circulation during singular hot days in Europe. <i>Environmental Research Letters</i> , 2018, 13, 054007.	5.2	21
1240	The Record-Breaking Heat Wave in 2016 over South Korea and Its Physical Mechanism. <i>Monthly Weather Review</i> , 2018, 146, 1463-1474.	1.4	59
1241	Heat waves and their significance for a temperate benthic community: A near-natural experimental approach. <i>Global Change Biology</i> , 2018, 24, 4357-4367.	9.5	93

#	ARTICLE	IF	CITATIONS
1242	Climate Change and Increasing Risk of Extreme Heat. SpringerBriefs in Medical Earth Sciences, 2018, , 1-13.	0.3	1
1243	Future heat waves and surface ozone. Environmental Research Letters, 2018, 13, 064004.	5.2	50
1244	Longer-Term Outdoor Temperatures and Health Effects: a Review. Current Epidemiology Reports, 2018, 5, 125-139.	2.4	30
1245	Seasonal temperature variability and emergency hospital admissions for respiratory diseases: a population-based cohort study. Thorax, 2018, 73, 951-958.	5.6	65
1246	Developmental stability, age at onset of foraging and longevity of Africanized honey bees (Apis Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 58	2.5	27
1247	Heatwave and elderly mortality: An evaluation of death burden and health costs considering short-term mortality displacement. Environment International, 2018, 115, 334-342.	10.0	107
1248	Longer and more frequent marine heatwaves over the past century. Nature Communications, 2018, 9, 1324.	12.8	1,081
1249	Elevated temperature intensity, timing, and duration of exposure affect soybean internode elongation, mainstem node number, and pod number per plant. Crop Journal, 2018, 6, 148-161.	5.2	33
1250	Threshold Evaluation of Emergency Risk Communication for Health Risks Related to Hazardous Ambient Temperature. Risk Analysis, 2018, 38, 2208-2221.	2.7	18
1251	Climate Change Effects on European Heat Waves and Human Health. , 2018, , 209-216.		2
1252	Predicting canopy biophysical properties and sensitivity of plant carbon uptake to water limitations with a coupled eco-hydrological framework. Ecological Modelling, 2018, 372, 33-52.	2.5	12
1253	The effects of early age thermal conditioning and vinegar supplementation of drinking water on physiological responses of female and male broiler chickens reared under summer Mediterranean temperatures. International Journal of Biometeorology, 2018, 62, 1039-1048.	3.0	6
1254	Heavy mowing enhances the effects of heat waves on grassland carbon and water fluxes. Science of the Total Environment, 2018, 627, 561-570.	8.0	11
1255	June 2017: The Earliest European Summer Megaâ€œheatwave of Reanalysis Period. Geophysical Research Letters, 2018, 45, 1955-1962.	4.0	90
1256	Experimental heatwaves negatively impact sperm quality in the zebra finch. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172547.	2.6	50
1257	Multiple timescale analysis of the urban heat island effect based on the Community Land Model: a case study of the city of Xiâ€™an, China. Environmental Monitoring and Assessment, 2018, 190, 8.	2.7	10
1258	Paying for conservation: A bioeconomic analysis of the effects of land management options on the viability of an endangered species, <i>Eryngium alpinum</i>. Journal of Applied Ecology, 2018, 55, 1940-1950.	4.0	8
1259	The highâ€™impact 2007 hot summer over <sc>T</sc>urkey: atmosphericâ€™blocking and heatâ€™wave episodes. Meteorological Applications, 2018, 25, 406-413.	2.1	25

#	ARTICLE	IF	CITATIONS
1260	Multiscale Variability in North American Summer Maximum Temperatures and Modulations from the North Atlantic Simulated by an AGCM. <i>Journal of Climate</i> , 2018, 31, 2549-2562.	3.2	8
1261	Projected Heat Wave Characteristics over the Korean Peninsula During the Twenty-First Century. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2018, 54, 53-61.	2.3	20
1262	Effects of an experimental heat wave on fatty acid composition in two Mediterranean seagrass species. <i>Marine Pollution Bulletin</i> , 2018, 134, 27-37.	5.0	43
1263	Environmental and Infrastructural Features of High-Rise Public Housing Buildings and Their Impact on Resident's Pro-environmental Practices. <i>Water Science and Technology Library</i> , 2018, , 363-383.	0.3	0
1264	Risk perception of heat waves and its spatial variation in Nanjing, China. <i>International Journal of Biometeorology</i> , 2018, 62, 783-794.	3.0	16
1265	Impacts of the Atlantic Multidecadal Variability on North American Summer Climate and Heat Waves. <i>Journal of Climate</i> , 2018, 31, 3679-3700.	3.2	57
1266	Surveying of Heat waves Impact on the Urban Heat Islands: Case study, the Karaj City in Iran. <i>Urban Climate</i> , 2018, 24, 600-615.	5.7	26
1267	Global, Regional, and Megacity Trends in the Highest Temperature of the Year: Diagnostics and Evidence for Accelerating Trends. <i>Earth's Future</i> , 2018, 6, 71-79.	6.3	81
1268	Spatiotemporal changes in the size and shape of heat waves over North America. <i>Climatic Change</i> , 2018, 147, 165-178.	3.6	22
1269	Extreme High-Temperature Events Over East Asia in 1.5°C and 2°C Warmer Futures: Analysis of NCAR CESM Low-Warming Experiments. <i>Geophysical Research Letters</i> , 2018, 45, 1541-1550.	4.0	112
1270	Spatial and temporal patterns of microclimates at an urban forest edge and their management implications. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 93.	2.7	17
1271	Urban Heat Island Mitigation Effectiveness under Extreme Heat Conditions in the Suzhou-Wuxi-Changzhou Metropolitan Area, China. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 235-253.	1.5	26
1272	Temperature and humidity based projections of a rapid rise in global heat stress exposure during the 21st century. <i>Environmental Research Letters</i> , 2018, 13, 014001.	5.2	244
1273	Soil Moisture-Temperature Coupling in a Set of Land Surface Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1481-1498.	3.3	51
1274	Intra-annual variability of heat wave episodes over the east coast of India. <i>International Journal of Climatology</i> , 2018, 38, e617.	3.5	17
1275	Heat Stress Changes over East Asia under 1.5°C and 2.0°C Global Warming Targets. <i>Journal of Climate</i> , 2018, 31, 2819-2831.	3.2	47
1276	Heat wave risk assessment and mapping in urban areas: case study for a mid-sized Central European city, Novi Sad (Serbia). <i>Natural Hazards</i> , 2018, 91, 891-911.	3.4	46
1277	Plasticity of photosynthetic heat tolerance in plants adapted to thermally contrasting biomes. <i>Plant, Cell and Environment</i> , 2018, 41, 1251-1262.	5.7	88

#	ARTICLE	IF	CITATIONS
1278	Assessing heat-related health risk in Europe via the Universal Thermal Climate Index (UTCI). International Journal of Biometeorology, 2018, 62, 1155-1165.	3.0	170
1279	Heat waves in lowland Germany and their circulation-related conditions. Meteorology and Atmospheric Physics, 2018, 130, 499-515.	2.0	26
1280	A temperate pollinator with high thermal tolerance is still susceptible to heat events predicted under future climate change. Ecological Entomology, 2018, 43, 506-512.	2.2	17
1281	Impact of temporal resolution of precipitation forcing data on modelled urban atmosphere exchanges and surface conditions. International Journal of Climatology, 2018, 38, 649-662.	3.5	8
1282	Feeling the heat. Nature Climate Change, 2018, 8, 347-347.	18.8	3
1283	Insights into the phenomenon of alien plant invasion and its synergistic interlinkage with three current ecological issues. Journal of Asia-Pacific Biodiversity, 2018, 11, 188-198.	0.4	9
1284	Prospects and Caveats of Weighting Climate Models for Summer Maximum Temperature Projections Over North America. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4509-4526.	3.3	72
1285	Skillful prediction of hot temperature extremes over the source region of ancient Silk Road. Scientific Reports, 2018, 8, 6677.	3.3	7
1286	Increased Frequency of Summer Extreme Heat Waves over Texas Area Tied to the Amplification of Pacific Zonal SST Gradient. Journal of Climate, 2018, 31, 5629-5647.	3.2	30
1287	Thermal regime metrics and quantifying their uncertainty for North American streams. River Research and Applications, 2018, 34, 382-393.	1.7	19
1288	Too hot to trot? How horse owners in Australia have responded to major weather events. Rural Society, 2018, 27, 52-65.	1.3	2
1289	Interactive effects of high temperature and drought stress during stem elongation, anthesis and early grain filling on the yield formation and photosynthesis of winter wheat. Field Crops Research, 2018, 221, 182-195.	5.1	98
1290	Interactions between urban heat islands and heat waves. Environmental Research Letters, 2018, 13, 034003.	5.2	246
1291	Amplification of heat extremes by plant CO2 physiological forcing. Nature Communications, 2018, 9, 1094.	12.8	58
1292	Prior heat accumulation reduces survival during subsequent experimental heat waves. Journal of Experimental Marine Biology and Ecology, 2018, 501, 109-117.	1.5	27
1293	Extreme heat waves under 1.5°C and 2°C global warming. Environmental Research Letters, 2018, 13, 054006.	5.2	262
1294	Hybrid governance for drought risk management: The case of the 2014/2015 El Niño in Costa Rica. International Journal of Disaster Risk Reduction, 2018, 28, 363-374.	3.9	9
1295	Future equivalent of 2010 Russian heatwave intensified by weakening soil moisture constraints. Nature Climate Change, 2018, 8, 381-385.	18.8	74

#	ARTICLE	IF	CITATIONS
1296	Early emergence of anthropogenically forced heat waves in the western United States and Great Lakes. <i>Nature Climate Change</i> , 2018, 8, 414-420.	18.8	52
1297	Classifying heatwaves: developing health-based models to predict high-mortality versus moderate United States heatwaves. <i>Climatic Change</i> , 2018, 146, 439-453.	3.6	17
1298	Reasons to adapt to urban heat (in the Netherlands). <i>Urban Climate</i> , 2018, 23, 342-351.	5.7	18
1299	Influences of climatic and population changes on heat-related mortality in Houston, Texas, USA. <i>Climatic Change</i> , 2018, 146, 471-485.	3.6	47
1300	Urban heat risk mapping using multiple point patterns in Houston, Texas. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2018, 67, 83-102.	1.0	3
1301	Regional heatwaves in china: a cluster analysis. <i>Climate Dynamics</i> , 2018, 50, 1901-1917.	3.8	46
1302	Climate change scenarios of heat waves in Central Europe and their uncertainties. <i>Theoretical and Applied Climatology</i> , 2018, 131, 1043-1054.	2.8	97
1303	Evaluating the impacts of greening scenarios on thermal comfort and energy and water consumptions for adapting Paris city to climate change. <i>Urban Climate</i> , 2018, 23, 260-286.	5.7	52
1304	Regional air-sea coupled model simulation for two types of extreme heat in North China. <i>Climate Dynamics</i> , 2018, 50, 2107-2120.	3.8	9
1305	Western US high June 2015 temperatures and their relation to global warming and soil moisture. <i>Climate Dynamics</i> , 2018, 50, 2587-2601.	3.8	9
1306	How are heat waves over Yangtze River valley associated with atmospheric quasi-biweekly oscillation?. <i>Climate Dynamics</i> , 2018, 51, 4421-4437.	3.8	41
1307	Hot weather in Potsdam in the years 1896-2015. <i>Meteorology and Atmospheric Physics</i> , 2018, 130, 1-10.	2.0	11
1308	Extended-range forecasting of Chinese summer surface air temperature and heat waves. <i>Climate Dynamics</i> , 2018, 50, 2007-2021.	3.8	29
1309	Human mortality impacts of the 2015 summer heat spells in Slovakia. <i>Theoretical and Applied Climatology</i> , 2018, 133, 925-936.	2.8	14
1310	Examining human heat stress with remote sensing technology. <i>GIScience and Remote Sensing</i> , 2018, 55, 19-37.	5.9	22
1311	Synoptic conditions leading to extremely warm periods in Western Iran. <i>International Journal of Climatology</i> , 2018, 38, 307-319.	3.5	18
1312	Capability of the SMHI-ERA4 RCM driven by the ERA-Interim reanalysis to simulate heat waves in Argentina. <i>International Journal of Climatology</i> , 2018, 38, 483-496.	3.5	6
1313	Adaptation to Climate Variability: Evidence for German Households. <i>Ecological Economics</i> , 2018, 143, 1-9.	5.7	8

#	ARTICLE	IF	CITATIONS
1314	Acclimation and the response of hourly electricity loads to meteorological variables. <i>Energy</i> , 2018, 142, 473-485.	8.8	47
1315	A comprehensive approach for the simulation of the Urban Heat Island effect with the WRF/SLUCM modeling system: The case of Athens (Greece). <i>Atmospheric Research</i> , 2018, 201, 86-101.	4.1	51
1316	Animal responses to natural disturbance and climate extremes: a review. <i>Global and Planetary Change</i> , 2018, 161, 28-40.	3.5	68
1317	Effects of thermopeaking on the thermal response of alpine river systems to heatwaves. <i>Science of the Total Environment</i> , 2018, 612, 1266-1275.	8.0	23
1318	Detection of Intraseasonal Large-Scale Heat Waves: Characteristics and Historical Trends during the Sahelian Spring. <i>Journal of Climate</i> , 2018, 31, 61-80.	3.2	29
1319	Ambient temperature and added heat wave effects on hospitalizations in California from 1999 to 2009. <i>Environmental Research</i> , 2018, 160, 83-90.	7.5	96
1320	The association between ambient temperature and childhood asthma: a systematic review. <i>International Journal of Biometeorology</i> , 2018, 62, 471-481.	3.0	46
1321	Poor plant performance under simulated climate change is linked to mycorrhizal responses in a semi-arid shrubland. <i>Journal of Ecology</i> , 2018, 106, 960-976.	4.0	47
1322	Changes in heat wave characteristics over Extremadura (SW Spain). <i>Theoretical and Applied Climatology</i> , 2018, 133, 605-617.	2.8	16
1323	Cumulative stress restricts niche filling potential of habitat-forming kelps in a future climate. <i>Functional Ecology</i> , 2018, 32, 288-299.	3.6	21
1324	Climatic and synoptic characterization of heat waves in Brazil. <i>International Journal of Climatology</i> , 2018, 38, 1760-1776.	3.5	59
1325	Heat waves in Finland: present and projected summertime extreme temperatures and their associated circulation patterns. <i>International Journal of Climatology</i> , 2018, 38, 1393-1408.	3.5	27
1326	Differences in photochemistry and response to heat stress between silver fir (<i>Abies alba</i> Mill.) provenances. <i>Trees - Structure and Function</i> , 2018, 32, 73-86.	1.9	19
1327	Assessment of ecosystem resilience to hydroclimatic disturbances in India. <i>Global Change Biology</i> , 2018, 24, e432-e441.	9.5	71
1328	Resolving biological impacts of multiple heat waves: interaction of hot and recovery days. <i>Oikos</i> , 2018, 127, 622-633.	2.7	52
1329	Potential impacts of climate warming and increased summer heat stress on the electric grid: a case study for a large power transformer (LPT) in the Northeast United States. <i>Climatic Change</i> , 2018, 147, 107-118.	3.6	5
1330	Being John Harper: Using evolutionary ideas to improve understanding of global patterns in plant traits. <i>Journal of Ecology</i> , 2018, 106, 1-18.	4.0	122
1331	Paternal effects in a terrestrial ectotherm are temperature dependent but no evidence for adaptive effects. <i>Functional Ecology</i> , 2018, 32, 1011-1021.	3.6	21

#	ARTICLE	IF	CITATIONS
1332	Modelling the fine-scale spatiotemporal pattern of urban heat island effect using land use regression approach in a megacity. <i>Science of the Total Environment</i> , 2018, 618, 891-904.	8.0	60
1333	Experimental evidence of warming-induced flowering in the Mediterranean seagrass <i>Posidonia oceanica</i> . <i>Marine Pollution Bulletin</i> , 2018, 134, 49-54.	5.0	67
1334	Urban Multi-scale Environmental Predictor (UMEP): An integrated tool for city-based climate services. <i>Environmental Modelling and Software</i> , 2018, 99, 70-87.	4.5	171
1335	Recurrent sublethal warming reduces embryonic survival, inhibits juvenile growth, and alters species distribution projections under climate change. <i>Ecology Letters</i> , 2018, 21, 104-116.	6.4	48
1336	Effects of heat waves on daily excess mortality in 14 Korean cities during the past 20 years (1991–2010): an application of the spatial synoptic classification approach. <i>International Journal of Biometeorology</i> , 2018, 62, 575-583.	3.0	12
1337	Changing world extreme temperature statistics. <i>International Journal of Climatology</i> , 2018, 38, 2613-2617.	3.5	16
1338	Diversion Ahead: Modeling the Factors Driving Diversion Airport Choice. <i>Journal of Infrastructure Systems</i> , 2018, 24, .	1.8	6
1339	Incorporating Streamflow Forecasts with Aggregate Drought Indices for the Management of Water Supply. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, 04017078.	2.6	3
1340	Attributing human influence on the July 2017 Chinese heatwave: the influence of sea-surface temperatures. <i>Environmental Research Letters</i> , 2018, 13, 114004.	5.2	23
1341	Influence of urban green on human thermal bioclimate – application of thermal indices and micro-scale models. <i>Acta Horticulturae</i> , 2018, , 1-10.	0.2	17
1342	Detecting drought impact on terrestrial biosphere carbon fluxes over contiguous US with satellite observations. <i>Environmental Research Letters</i> , 2018, 13, 095003.	5.2	22
1343	Linking Northern Hemisphere temperature extremes to Rossby wave packets. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 553-566.	2.7	51
1344	The August 2015 mega-heatwave in Poland in the context of past events. <i>Weather</i> , 2018, 73, 207-214.	0.7	28
1345	Analysis of the episodes of tropospheric ozone concentration in relation with hot days and heat waves in Warsaw. <i>SHS Web of Conferences</i> , 2018, 57, 02010.	0.2	2
1346	Heat Exposure and Health Impacts in North Carolina. <i>North Carolina Medical Journal</i> , 2018, 79, 320-321.	0.2	2
1347	Spatial and temporal variations of summer hot days and heat waves and their relationships with large-scale atmospheric circulations across Northeast China. <i>International Journal of Climatology</i> , 2018, 38, 5633-5645.	3.5	14
1348	Effects of urbanization on increasing heat risks in South China. <i>International Journal of Climatology</i> , 2018, 38, 5551-5562.	3.5	22
1349	OBSOLETE: Climate Change Effects on European Heat Waves and Human Health. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1350	A sixfold rise in concurrent day and night-time heatwaves in India under 2°C warming. <i>Scientific Reports</i> , 2018, 8, 16922.	3.3	58
1351	Within-Canopy Experimental Leaf Warming Induces Photosynthetic Decline Instead of Acclimation in Two Northern Hardwood Species. <i>Frontiers in Forests and Global Change</i> , 2018, 1, .	2.3	12
1352	Role of soil moisture-atmosphere feedback during high temperature events in 2002 over Northeast Eurasia. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	18
1353	Evaluation of heat wave forecasts seamlessly across subseasonal timescales. <i>Npj Climate and Atmospheric Science</i> , 2018, 1, .	6.8	29
1354	Experimental heatwaves compromise sperm function and cause transgenerational damage in a model insect. <i>Nature Communications</i> , 2018, 9, 4771.	12.8	163
1355	Exploring and Quantifying River Thermal Response to Heatwaves. <i>Water (Switzerland)</i> , 2018, 10, 1098.	2.7	16
1356	Heat Waves Alter Carbon Allocation and Increase Mortality of Aleppo Pine Under Dry Conditions. <i>Frontiers in Forests and Global Change</i> , 2018, 1, .	2.3	49
1357	Effect of the frequency and magnitude of extreme temperature on the life history traits of the large cotton aphid, <i>Acyrtosiphon gossypii</i> (Hemiptera: Aphididae): implications for their population dynamics under global warming. <i>Entomologia Generalis</i> , 2018, 37, 103-113.	3.1	13
1359	Africa-Cordex Simulations Projection of Future Temperature, Precipitation, Frequency and Intensity Indices Over Mono Basin in West Africa. <i>Journal of Earth Science & Climatic Change</i> , 2018, 09, .	0.2	8
1360	Awareness on climate change: perceived physical and psychological impact among the young generation. Least developing country's perspective. <i>Interdisciplinary Environmental Review</i> , 2018, 19, 91.	0.2	0
1361	Increasing Heat Stress in Urban Areas of Eastern China: Acceleration by Urbanization. <i>Geophysical Research Letters</i> , 2018, 45, 13,060.	4.0	131
1362	Quinoa Abiotic Stress Responses: A Review. <i>Plants</i> , 2018, 7, 106.	3.5	166
1363	Performance of Excess Heat Factor Severity as a Global Heatwave Health Impact Index. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2494.	2.6	38
1364	Climate warming increases vertical and seasonal water temperature differences and inter-annual variability in a mountain lake. <i>Climatic Change</i> , 2018, 151, 473-490.	3.6	45
1365	Increased vulnerability of COPD patient groups to urban climate in view of global warming. <i>International Journal of COPD</i> , 2018, Volume 13, 3493-3501.	2.3	18
1366	Compared stress tolerance to short-term exposure in native and invasive tunicates from the NE Atlantic: when the invader performs better. <i>Marine Biology</i> , 2018, 165, 1.	1.5	12
1367	Educating future corporate managers for a sustainable world: recommendations for a paradigm shift in business education. <i>On the Horizon</i> , 2018, 26, 194-205.	1.9	6
1368	Monitoring Spatio-temporal Variance of an Extreme Heat Event Using Multiple-source Remote Sensing Data. <i>Chinese Geographical Science</i> , 2018, 28, 744-757.	3.0	9

#	ARTICLE	IF	CITATIONS
1369	Physiological and biochemical responses of a coralline alga and a sea urchin to climate change: Implications for herbivory. <i>Marine Environmental Research</i> , 2018, 142, 100-107.	2.5	20
1370	Regional Climate Impacts of Stabilizing Global Warming at 1.5 K Using Solar Geoengineering. <i>Earth's Future</i> , 2018, 6, 230-251.	6.3	49
1371	Thermal Sensitivity of Gypsy Moth (Lepidoptera: Erebidæ) During Larval and Pupal Development. <i>Environmental Entomology</i> , 2018, 47, 1623-1631.	1.4	9
1372	Stronger Contributions of Urbanization to Heat Wave Trends in Wet Climates. <i>Geophysical Research Letters</i> , 2018, 45, 11,310.	4.0	93
1373	Evolution of thermal tolerance in multifarious environments. <i>Molecular Ecology</i> , 2018, 27, 4529-4541.	3.9	26
1374	Chronic historical drought legacy exacerbates tree mortality and crown dieback during acute heatwave-compounded drought. <i>Environmental Research Letters</i> , 2018, 13, 095002.	5.2	58
1375	Impacts of Synoptic and Local Factors on Heat Wave Events Over Southeastern Region of Korea in 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,081.	3.3	34
1376	Artificial Neural Network-Based Control of a Variable Refrigerant Flow System in the Cooling Season. <i>Energies</i> , 2018, 11, 1643.	3.1	13
1377	Differentiation in fitness-related traits in response to elevated temperatures between leading and trailing edge populations of marine macrophytes. <i>PLoS ONE</i> , 2018, 13, e0203666.	2.5	28
1378	Upper thermal limits differ among and within component species in a tritrophic host-parasitoid-hyperparasitoid system. <i>PLoS ONE</i> , 2018, 13, e0198803.	2.5	26
1379	The added effects of heatwaves on cause-specific mortality: A nationwide analysis in 272 Chinese cities. <i>Environment International</i> , 2018, 121, 898-905.	10.0	54
1380	Diagnosing Physical Mechanisms Leading to Pure Heat Waves Versus Pure Tropical Nights Over the Korean Peninsula. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7149-7160.	3.3	31
1381	Internal variability in European summer temperatures at 1.5‰°C and 2‰°C of global warming. <i>Environmental Research Letters</i> , 2018, 13, 064026.	5.2	40
1382	Temperature-and sex-specific grazing rate of a tropical copepod <i>Pseudodiaptomus annandalei</i> to food availability: Implications for live feed in aquaculture. <i>Aquaculture Research</i> , 2018, 49, 3864-3873.	1.8	15
1383	Multi-model comparison of urban heat island modelling approaches. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10655-10674.	4.9	25
1384	An Intensified Mode of Variability Modulating the Summer Heat Waves in Eastern Europe and Northern China. <i>Geophysical Research Letters</i> , 2018, 45, 11,361.	4.0	47
1385	Projected changes in persistent extreme summer weather events: The role of quasi-resonant amplification. <i>Science Advances</i> , 2018, 4, eaat3272.	10.3	104
1386	Loss of potential bat habitat following a severe wildfire: a model-based rapid assessment. <i>International Journal of Wildland Fire</i> , 2018, 27, 756.	2.4	60

#	ARTICLE	IF	CITATIONS
1387	Projected changes in heat wave characteristics in the Carpathian Basin comparing different definitions. <i>International Journal of Global Warming</i> , 2018, 16, 119.	0.5	2
1388	Extremal dependence between temperature and ozone over the continental US. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11927-11948.	4.9	12
1389	An Overview of Biomembrane Functions in Plant Responses to High-Temperature Stress. <i>Frontiers in Plant Science</i> , 2018, 9, 915.	3.6	188
1390	Effects of developmental acclimation on fitness costs differ between two aphid species. <i>Journal of Thermal Biology</i> , 2018, 78, 58-64.	2.5	14
1391	Detectable Impacts of the Past Half-Century Degree Global Warming on Summertime Hot Extremes in China. <i>Geophysical Research Letters</i> , 2018, 45, 7130-7139.	4.0	19
1392	Changes in Wood Biomass and Crop Yields in Response to Projected CO ₂ , O ₃ , Nitrogen Deposition, and Climate. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3262-3282.	3.0	15
1393	Impacts of compound extreme weather events on ozone in the present and future. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9861-9877.	4.9	55
1394	Temperature-Dependent Development and Survival of Giant Whitefly <i>Aleurodicus dugesii</i> (Hemiptera: Tj ETQq1 1 Q.784314 ggBT /Overl	1.4	1
1395	Climate Change and Heat-Related Excess Mortality in the Eastern USA. <i>EcoHealth</i> , 2018, 15, 485-496.	2.0	33
1396	An inconvenient truth about xylem resistance to embolism in the model species for refilling <i>Laurus nobilis</i> L.. <i>Annals of Forest Science</i> , 2018, 75, 1.	2.0	53
1397	The Impact of Heat Waves on Emergency Department Admissions in Charlottesville, Virginia, U.S.A. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1436.	2.6	26
1398	Simultaneous exposure to a pulsed and a prolonged anthropogenic stressor can alter consumer multifunctionality. <i>Oikos</i> , 2018, 127, 1437-1448.	2.7	9
1399	Greenhouse- and orbital-forced climate extremes during the early Eocene. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170085.	3.4	17
1400	Changes in the Carbon and Water Fluxes of Subtropical Forest Ecosystems in South-Western China Related to Drought. <i>Water (Switzerland)</i> , 2018, 10, 821.	2.7	5
1401	Heat Waves: Health Effects, Observed Trends and Climate Change. , 0, , .		6
1402	Opportunities to reduce heat damage in rain-fed wheat crops based on plant breeding and agronomic management. <i>Field Crops Research</i> , 2018, 224, 126-138.	5.1	54
1403	Winter cereal production in a Mediterranean silvoarable walnut system in the face of climate change. <i>Agriculture, Ecosystems and Environment</i> , 2018, 264, 111-118.	5.3	41
1404	Leaf thermotolerance in dry tropical forest tree species: relationships with leaf traits and effects of drought. <i>AoB PLANTS</i> , 2018, 10, plx070.	2.3	24

#	ARTICLE	IF	CITATIONS
1405	Moderate weather extremes alter phytoplankton diversity—A microcosm study. <i>Freshwater Biology</i> , 2018, 63, 1211-1224.	2.4	21
1406	Plant—Pathogen Warfare under Changing Climate Conditions. <i>Current Biology</i> , 2018, 28, R619-R634.	3.9	494
1407	Urbanization effects on heat waves in Fujian Province, Southeast China. <i>Atmospheric Research</i> , 2018, 210, 123-132.	4.1	57
1408	Heatstroke at home: Prediction by thermoregulation modeling. <i>Building and Environment</i> , 2018, 137, 147-156.	6.9	38
1409	Regionalization study of maximum daily temperature based on grid data by an objective hybrid clustering approach. <i>Journal of Hydrology</i> , 2018, 564, 149-163.	5.4	10
1410	Projections of Heat Waves Events in the Intra-Americas Region Using Multimodel Ensemble. <i>Advances in Meteorology</i> , 2018, 2018, 1-16.	1.6	13
1411	Sensitivity of peatland litter decomposition to changes in temperature and rainfall. <i>Geoderma</i> , 2018, 331, 29-37.	5.1	30
1412	Avian thermoregulation in the heat: is evaporative cooling more economical in nocturnal birds?. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	3
1413	Atmospheric Dynamics Leading to West European Summer Hot Temperatures Since 1851. <i>Complexity</i> , 2018, 2018, 1-10.	1.6	26
1414	Climate variability differentially impacts thermal fitness traits in three coprophagic beetle species. <i>PLoS ONE</i> , 2018, 13, e0198610.	2.5	28
1415	The Science of Adaptation to Extreme Heat. , 2018, , 89-103.		9
1416	A predictive study of heat wave characteristics and their spatio-temporal trends in climatic zones of Nigeria. <i>Modeling Earth Systems and Environment</i> , 2018, 4, 1125-1151.	3.4	4
1417	Carbon economy of Mediterranean seagrasses in response to thermal stress. <i>Marine Pollution Bulletin</i> , 2018, 135, 617-629.	5.0	64
1418	Impacts of Snow Darkening by Deposition of Light—Absorbing Aerosols on Hydroclimate of Eurasia During Boreal Spring and Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8441-8461.	3.3	23
1419	North China Plain threatened by deadly heatwaves due to climate change and irrigation. <i>Nature Communications</i> , 2018, 9, 2894.	12.8	294
1420	Urban Heat Projections in a Changing Climate: Washington, DC, Case Study. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2018, 4, .	1.7	3
1421	Quantifying excess deaths related to heatwaves under climate change scenarios: A multicountry time series modelling study. <i>PLoS Medicine</i> , 2018, 15, e1002629.	8.4	232
1422	Modelling average maximum daily temperature using <i>and</i> largest order statistics: An application to South African data. <i>Jamba: Journal of Disaster Risk Studies</i> , 2018, 10, 467.	0.9	7

#	ARTICLE	IF	CITATIONS
1423	District-level assessment of the ecohydrological resilience to hydroclimatic disturbances and its controlling factors in India. <i>Journal of Hydrology</i> , 2018, 564, 1048-1057.	5.4	59
1424	Data Integration and Web Mapping for Extreme Heat Event Preparedness. , 2018, , 281-289.		1
1425	A comparative study of spatiotemporal patterns of urban expansion in six major cities of the Yangtze River Delta from 1980 to 2015. <i>Ecosystem Health and Sustainability</i> , 2018, 4, 95-114.	3.1	29
1426	Resilient Leaf Physiological Response of European Beech (<i>Fagus sylvatica</i> L.) to Summer Drought and Drought Release. <i>Frontiers in Plant Science</i> , 2018, 9, 187.	3.6	54
1427	Investigating cellular stress response to heat stress in the seagrass <i>Posidonia oceanica</i> in a global change scenario. <i>Marine Environmental Research</i> , 2018, 141, 12-23.	2.5	42
1428	Cold Temperature Extremes in Russia and Risks of Critical Temperature Impacts on Infrastructure Facilities. <i>Russian Meteorology and Hydrology</i> , 2018, 43, 372-378.	1.3	4
1429	Sub-optimal emergence temperature alters thermotolerance of thylakoid component processes in cotton seedlings. <i>Environmental and Experimental Botany</i> , 2018, 155, 360-367.	4.2	10
1430	Forecasting indoor temperatures during heatwaves using time series models. <i>Building and Environment</i> , 2018, 143, 727-739.	6.9	42
1431	The Effect of an Automated Phone Warning and Health Advisory System on Adaptation to High Heat Episodes and Health Services Use in Vulnerable Groupsâ€”Evidence from a Randomized Controlled Study. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1581.	2.6	14
1432	Cardiovascular mortality during heat waves in temperate climate: an association with bioclimatic indices. <i>International Journal of Environmental Health Research</i> , 2018, 28, 522-534.	2.7	20
1433	Heat-related mortality trends under recent climate warming in Spain: A 36-year observational study. <i>PLoS Medicine</i> , 2018, 15, e1002617.	8.4	59
1434	Can N management affect the magnitude of yield loss due to heat waves in wheat and maize?. <i>Current Opinion in Plant Biology</i> , 2018, 45, 276-283.	7.1	30
1435	Spatially explicit assessment of heat health risk by using multi-sensor remote sensing images and socioeconomic data in Yangtze River Delta, China. <i>International Journal of Health Geographics</i> , 2018, 17, 15.	2.5	44
1436	Alien Plant Diversity in Mediterranean Wetlands: A Comparative Study within Valencian, Balearic and Sardinian Floras. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2018, 46, 317-326.	1.1	13
1437	Evaluation and Modeling of Urban Heat Island Intensity in Basel, Switzerland. <i>Climate</i> , 2018, 6, 55.	2.8	38
1438	Number of Heat Wave Deaths by Diagnosis, Sex, Age Groups, and Area, in Slovenia, 2015 vs. 2003. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 173.	2.6	20
1439	Assessing Heat Stress and Health among Construction Workers in a Changing Climate: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 247.	2.6	137
1440	Assessing Vulnerability to Urban Heat: A Study of Disproportionate Heat Exposure and Access to Refuge by Socio-Demographic Status in Portland, Oregon. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 640.	2.6	121

#	ARTICLE	IF	CITATIONS
1441	General Practitionersâ€™ Perceptions of Heat Health Impacts on the Elderly in the Face of Climate Changeâ€”A Qualitative Study in Baden-WÃ¼rttemberg, Germany. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 843.	2.6	27
1442	Achieving low methane and nitrous oxide emissions with high economic incomes in a rice-based cropping system. <i>Agricultural and Forest Meteorology</i> , 2018, 259, 95-106.	4.8	30
1443	Modification of Local Urban Aerosol Properties by Long-Range Transport of Biomass Burning Aerosol. <i>Remote Sensing</i> , 2018, 10, 412.	4.0	37
1444	Long-term ecological responses of the River SpÃ¶l to experimental floods. <i>Freshwater Science</i> , 2018, 37, 433-447.	1.8	28
1445	Reduced cognitive function during a heat wave among residents of non-air-conditioned buildings: An observational study of young adults in the summer of 2016. <i>PLoS Medicine</i> , 2018, 15, e1002605.	8.4	79
1446	Developing climate-smart restoration: Can plant microbiomes be hardened against heat waves?. <i>Ecological Applications</i> , 2018, 28, 1594-1605.	3.8	8
1447	Effect of Socioeconomic Status and Underlying Disease on the Association between Ambient Temperature and Ischemic Stroke. <i>Yonsei Medical Journal</i> , 2018, 59, 686.	2.2	7
1448	Regional variation in timing, duration, and production of flowers by allergenic ragweed. <i>Plant Ecology</i> , 2018, 219, 1081-1092.	1.6	4
1450	Global Monsoon Precipitation: Trends, Leading Modes, and Associated Drought and Heat Wave in the Northern Hemisphere. <i>Journal of Climate</i> , 2018, 31, 6947-6966.	3.2	18
1451	CTmax is repeatable and doesnâ€™t reduce growth in zebrafish. <i>Scientific Reports</i> , 2018, 8, 7099.	3.3	84
1452	Spatiotemporal analysis of regional socio-economic vulnerability change associated with heat risks in Canada. <i>Applied Geography</i> , 2018, 95, 61-70.	3.7	48
1453	Computing return times or return periods with rare event algorithms. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 043213.	2.3	27
1454	Reduction in baseline corticosterone secretion correlates with climate warming and drying across wild lizard populations. <i>Journal of Animal Ecology</i> , 2018, 87, 1331-1341.	2.8	33
1455	Would LEED-UHI greenery and high albedo strategies mitigate climate change at neighborhood scale in Cairo, Egypt?. <i>Building Simulation</i> , 2018, 11, 1273-1288.	5.6	31
1456	Behavioural thermoregulation alters microhabitat utilization and demographic rates in ectothermic invertebrates. <i>Animal Behaviour</i> , 2018, 142, 49-57.	1.9	24
1457	Observed trends and future projections of extreme heat events in Sonora, Mexico. <i>International Journal of Climatology</i> , 2018, 38, 5168-5181.	3.5	27
1458	Heat stress-reduced kernel weight in rice at anthesis is associated with impaired source-sink relationship and sugars allocation. <i>Environmental and Experimental Botany</i> , 2018, 155, 718-733.	4.2	65
1459	Spatially explicit estimation of heat stress-related impacts of climate change on the milk production of dairy cows in the United Kingdom. <i>PLoS ONE</i> , 2018, 13, e0197076.	2.5	34

#	ARTICLE	IF	CITATIONS
1460	Landscape position strongly affects the resistance and resilience to water deficit anomaly of floodplain vegetation community. <i>Ecohydrology</i> , 2018, 11, e2027.	2.4	8
1461	Detection of Positive Gross Primary Production Extremes in Terrestrial Ecosystems of China During 1982–2015 and Analysis of Climate Contribution. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2018, 123, 2807-2823.	3.0	17
1462	Tracking Fatty Acids From Phytoplankton to Jellyfish Polyps Under Different Stress Regimes: A Three Trophic Levels Experiment. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	7
1463	Energy efficiency vs resiliency to extreme heat and power outages: The role of evolving building energy codes. <i>Building and Environment</i> , 2018, 139, 86-94.	6.9	45
1464	Vulnerability to heatwaves and implications for public health interventions – A scoping review. <i>Environmental Research</i> , 2018, 166, 42-54.	7.5	71
1465	Can meta-analysis be used as a decision-making tool for developing scenarios and causal chains in ecohydrological systems? Case study in Florida. <i>Ecohydrology</i> , 2018, 11, e1997.	2.4	15
1466	Thermal niche evolution of functional traits in a tropical marine phototroph. <i>Journal of Phycology</i> , 2018, 54, 799-810.	2.3	21
1467	The influence of spatial configuration of green areas on microclimate and thermal comfort. <i>Urban Forestry and Urban Greening</i> , 2018, 34, 85-96.	5.3	148
1468	Dependence of Present and Future European Temperature Extremes on the Location of Atmospheric Blocking. <i>Geophysical Research Letters</i> , 2018, 45, 6311-6320.	4.0	80
1469	Seasonal and Regional Patterns of Future Temperature Extremes: High-Resolution Dynamic Downscaling Over a Complex Terrain. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6669-6689.	3.3	10
1470	Higher CO2 concentrations increase extreme event risk in a 1.5 °C world. <i>Nature Climate Change</i> , 2018, 8, 604-608.	18.8	104
1471	Exploring the relationship between residential segregation and thermal inequity in 20 U.S. cities. <i>Local Environment</i> , 2018, 23, 796-813.	2.4	47
1472	Defining Climate Change: What to Expect in a Warmer World. <i>Advances in Military Geosciences</i> , 2019, , 47-57.	0.5	3
1473	Photosynthetic heat tolerance of shade and sun leaves of three tropical tree species. <i>Photosynthesis Research</i> , 2019, 141, 119-130.	2.9	46
1474	Amplifying effect of ENSO on heat waves in China. <i>Climate Dynamics</i> , 2019, 52, 3277-3289.	3.8	73
1475	Prediction of summer hot extremes over the middle and lower reaches of the Yangtze River valley. <i>Climate Dynamics</i> , 2019, 52, 2943-2957.	3.8	20
1476	The effect of ambient air temperature on cardiovascular and respiratory mortality in Thessaloniki, Greece. <i>Science of the Total Environment</i> , 2019, 647, 1351-1358.	8.0	47
1477	Land-atmospheric feedbacks during droughts and heatwaves: state of the science and current challenges. <i>Annals of the New York Academy of Sciences</i> , 2019, 1436, 19-35.	3.8	407

#	ARTICLE	IF	CITATIONS
1478	Observed, simulated and projected extreme climate indices over Pakistan in changing climate. Theoretical and Applied Climatology, 2019, 137, 255-281.	2.8	35
1479	Future Heat Wave Projections and Impacts. , 2019, , 91-107.		8
1480	The Environment-Conflict Nexus. Advances in Military Geosciences, 2019, , .	0.5	2
1481	Stomatal movements are involved in elevated CO ₂ mitigated high temperature stress in tomato. Physiologia Plantarum, 2019, 165, 569-583.	5.2	25
1482	Spatiotemporal characteristics of heat waves over China in regional climate simulations within the CORDEX-EA project. Climate Dynamics, 2019, 52, 799-818.	3.8	21
1483	Dry-hot magnitude index: a joint indicator for compound event analysis. Environmental Research Letters, 2019, 14, 064017.	5.2	44
1484	Analysis of the dilemmas of solar energy application for Taiwan building with Fuzzy AHP approach. IOP Conference Series: Earth and Environmental Science, 2019, 237, 042006.	0.3	2
1485	Spatiotemporal patterns of surface temperature over western Odisha and eastern Chhattisgarh. SN Applied Sciences, 2019, 1, 1.	2.9	1
1486	Aggravation of Human Diseases and Climate Change Nexus. International Journal of Environmental Research and Public Health, 2019, 16, 2799.	2.6	29
1487	Chronic statin therapy is associated with enhanced cutaneous vascular responsiveness to sympathetic outflow during passive heat stress. Journal of Physiology, 2019, 597, 4743-4755.	2.9	4
1488	CO ₂ adsorption on hydroxylated In ₂ O ₃ (110). Physical Chemistry Chemical Physics, 2019, 21, 21698-21708.	2.8	23
1489	Interacting implications of climate change, population dynamics, and urban heat mitigation for future exposure to heat extremes. Environmental Research Letters, 2019, 14, 084051.	5.2	18
1490	Daytime and nighttime heat wave characteristics based on multiple indices over the Chinaâ€‘Pakistan economic corridor. Climate Dynamics, 2019, 53, 6329-6349.	3.8	43
1491	Flexible polyandry in female flies is an adaptive response to infertile males. Behavioral Ecology, 2019, 30, 1715-1724.	2.2	28
1492	Cardiorespiratory effects of heatwaves: A systematic review and meta-analysis of global epidemiological evidence. Environmental Research, 2019, 177, 108610.	7.5	130
1493	Enhanced sensitivity of the urban heat island effect to summer temperatures induced by urban expansion. Environmental Research Letters, 2019, 14, 094005.	5.2	37
1494	Mid-late Holocene maar lake-mire transition in northeast China triggered by hydroclimatic variability. Quaternary Science Reviews, 2019, 220, 215-229.	3.0	23
1495	Growth and Tree Water Deficit of Mixed Norway Spruce and European Beech at Different Heights in a Tree and under Heavy Drought. Forests, 2019, 10, 577.	2.1	25

#	ARTICLE	IF	CITATIONS
1496	Complex interactions between local adaptation, phenotypic plasticity and sex affect vulnerability to warming in a widespread marine copepod. <i>Royal Society Open Science</i> , 2019, 6, 182115.	2.4	17
1497	Effects of Mosaic Land Use on Dynamically Downscaled WRF Simulations of the Contiguous United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 9117-9140.	3.3	10
1498	Comparison of Health Impact of Ambient Temperature Between China and Other Countries. , 2019, , 131-151.		0
1499	Unpredictable extreme cold events: a threat to range-shifting tropical reef fishes in temperate waters. <i>Marine Biology</i> , 2019, 166, 1.	1.5	17
1500	Evaluation of CMIP5 ability to reproduce twentieth century regional trends in surface air temperature and precipitation over CONUS. <i>Climate Dynamics</i> , 2019, 53, 5459-5480.	3.8	4
1501	Impacts of Urban Expansion on Relatively Smaller Surrounding Cities during Heat Waves. <i>Atmosphere</i> , 2019, 10, 364.	2.3	13
1502	Amplified Urban Heat Islands during Heat Wave Periods. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7797-7812.	3.3	106
1503	The impact of extremely hot weather events on all-cause mortality in a highly urbanized and densely populated subtropical city: A 10-year time-series study (2006â€“2015). <i>Science of the Total Environment</i> , 2019, 690, 923-931.	8.0	60
1504	Potential effects of heat waves on the population dynamics of the dengue mosquito <i>Aedes albopictus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007528.	3.0	24
1505	Heat-related deaths among construction workers in the United States. <i>American Journal of Industrial Medicine</i> , 2019, 62, 1047-1057.	2.1	48
1506	Heat-wave tolerance in tropical intertidal animals: accounting for thermal and desiccation tolerances. <i>Ecological Indicators</i> , 2019, 107, 105561.	6.3	5
1507	The growing threat of heat disasters. <i>Environmental Research Letters</i> , 2019, 14, 054006.	5.2	40
1508	Heatwaves and Novel Host Consumption Increase Overwinter Mortality of an Imperiled Wetland Butterfly. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	29
1509	Observed Trends in Thermal Stress at European Cities with Different Background Climates. <i>Atmosphere</i> , 2019, 10, 436.	2.3	24
1510	Effects of temperature and a piscivorous fish on diel winter behaviour of juvenile brown trout (<i>Salmo trutta</i>) in a high-altitude stream. <i>Journal of Thermal Biology</i> , 2019, 90, 102551.	2.4	5
1511	Interactive effects of high temperature and water deficit on Malbec grapevines. <i>Australian Journal of Grape and Wine Research</i> , 2019, 25, 345-356.	2.1	24
1512	Practical rare event sampling for extreme mesoscale weather. <i>Chaos</i> , 2019, 29, 053109.	2.5	25
1513	Water-Use Characteristics and Physiological Response of Moso Bamboo to Flash Droughts. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2174.	2.6	26

#	ARTICLE	IF	CITATIONS
1514	Occurrence and Coupling of Heat and Ozone Events and Their Relation to Mortality Rates in Berlin, Germany, between 2000 and 2014. <i>Atmosphere</i> , 2019, 10, 348.	2.3	12
1515	Heatwave Trends and the Population Exposure Over China in the 21st Century as Well as Under 1.5 Å°C and 2.0 Å°C Global Warmer Future Scenarios. <i>Sustainability</i> , 2019, 11, 3318.	3.2	19
1516	Elevated carbon dioxide decreases the adverse effects of higher temperature and drought stress by mitigating oxidative stress and improving water status in <i>Arabidopsis thaliana</i> . <i>Planta</i> , 2019, 250, 1191-1214.	3.2	33
1517	Two Types of Heat Wave in Korea Associated With Atmospheric Circulation Pattern. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7498-7511.	3.3	58
1518	Thermal tolerance patterns across latitude and elevation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190036.	4.0	215
1519	Ocean and atmosphere influence on the 2015 European heatwave. <i>Environmental Research Letters</i> , 2019, 14, 114035.	5.2	18
1520	Fostering the implementation of green solutions through a Living Lab approach “ experiences from the LiLa4Green project. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 323, 012079.	0.3	1
1521	The ClimEx Project: A 50-Member Ensemble of Climate Change Projections at 12-km Resolution over Europe and Northeastern North America with the Canadian Regional Climate Model (CRCM5). <i>Journal of Applied Meteorology and Climatology</i> , 2019, 58, 663-693.	1.5	80
1522	Observation of heat wave effects on the urban air quality and PBL in New York City area. <i>Atmospheric Environment</i> , 2019, 218, 117024.	4.1	21
1523	Temperature and mental health: Evidence from the spectrum of mental health outcomes. <i>Journal of Health Economics</i> , 2019, 68, 102240.	2.7	144
1524	Propagation dynamics from meteorological to groundwater drought and their possible influence factors. <i>Journal of Hydrology</i> , 2019, 578, 124102.	5.4	101
1525	Inbreeding does not alter the response to an experimental heat wave in a freshwater snail. <i>PLoS ONE</i> , 2019, 14, e0220669.	2.5	8
1526	Effects of Orientations, Aspect Ratios, Pavement Materials and Vegetation Elements on Thermal Stress inside Typical Urban Canyons. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3574.	2.6	31
1527	Rocky Intertidal Shores of the North-West Atlantic Ocean. , 2019, , 61-89.		3
1528	Cellular Responses of <i>Gelidium floridanum</i> (Gelidiales, Rhodophyta) Tetraspores Under Heat Wave and Copper Pollution. <i>Journal of Phycology</i> , 2019, 55, 1394-1400.	2.3	3
1529	Halfâ€œDegree Matters for Reducing and Delaying Global Land Exposure to Combined Daytimeâ€œNighttime Hot Extremes. <i>Earth's Future</i> , 2019, 7, 953-966.	6.3	18
1530	Designing sensor networks to resolve spatio-temporal urban temperature variations: fixed, mobile or hybrid?. <i>Environmental Research Letters</i> , 2019, 14, 074022.	5.2	21
1531	Spatial and Temporal Variations of Compound Droughts and Hot Extremes in China. <i>Atmosphere</i> , 2019, 10, 95.	2.3	35

#	ARTICLE	IF	CITATIONS
1532	Impacts of 1.5 Â°C and 2 Â°C global warming on regional rainfall and temperature change across India. Environmental Research Communications, 2019, 1, 125002.	2.3	19
1533	Identifying Key Driving Processes of Major Recent Heat Waves. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11746-11765.	3.3	93
1534	Antecedent North Pacific Jet Regimes Conducive to the Development of Continental U.S. Extreme Temperature Events during the Cool Season. Weather and Forecasting, 2019, 34, 393-414.	1.4	5
1535	Temperature and stoichiometric dependence of phytoplankton traits. Ecology, 2019, 100, e02875.	3.2	12
1536	Contrasting changes of urban heat island intensity during hot weather episodes. Environmental Research Letters, 2019, 14, 124013.	5.2	37
1537	Thermal response of demersal and pelagic juvenile fishes from the surf zone during a heat wave simulation. Journal of Applied Ichthyology, 2019, 35, 1209-1217.	0.7	4
1538	Future Heat Waves in Different European Capitals Based on Climate Change Indicators. International Journal of Environmental Research and Public Health, 2019, 16, 3959.	2.6	16
1539	Greenspace Pattern and the Surface Urban Heat Island: A Biophysically-Based Approach to Investigating the Effects of Urban Landscape Configuration. Remote Sensing, 2019, 11, 2322.	4.0	7
1540	Investigating the Role of the Relative Humidity in the Co-Occurrence of Temperature and Heat Stress Extremes in CMIP5 Projections. Geophysical Research Letters, 2019, 46, 11435-11443.	4.0	27
1541	Characterization of Extreme Wet-Bulb Temperature Events in Southern Pakistan. Geophysical Research Letters, 2019, 46, 10659-10668.	4.0	33
1542	Emergent self-similarity and scaling properties of fractal intra-urban heat islets for diverse global cities. Physical Review E, 2019, 100, 032142.	2.1	15
1543	Synoptic Features Responsible for Heat Waves in Central Africa, a Region with Strong Multidecadal Trends. Journal of Climate, 2019, 32, 7951-7970.	3.2	11
1544	Nonlinear increases in extreme temperatures paradoxically dampen increases in extreme humid-heat. Environmental Research Letters, 2019, 14, 084003.	5.2	25
1545	Integrating patterns of thermal tolerance and phenotypic plasticity with population genetics to improve understanding of vulnerability to warming in a widespread copepod. Global Change Biology, 2019, 25, 4147-4164.	9.5	49
1546	Observed Synergies between Urban Heat Islands and Heat Waves and Their Controlling Factors in Shanghai, China. Journal of Applied Meteorology and Climatology, 2019, 58, 1955-1972.	1.5	57
1547	Droughts and climate warming desynchronize Black pine growth across the Mediterranean Basin. Science of the Total Environment, 2019, 697, 133989.	8.0	30
1548	Ensuring access to high-quality resources reduces the impacts of heat stress on bees. Scientific Reports, 2019, 9, 12596.	3.3	46
1549	Hazards induced by thermal conditions during work on scaffolding. MATEC Web of Conferences, 2019, 284, 08009.	0.2	0

#	ARTICLE	IF	CITATIONS
1550	The negative effects of short-term extreme thermal events on the seagrass <i>Posidonia oceanica</i> are exacerbated by ammonium additions. <i>PLoS ONE</i> , 2019, 14, e0222798.	2.5	39
1551	Impact of internal variability on climate change for the upcoming decades: analysis of the CanESM2-LE and CESM-LE large ensembles. <i>Climatic Change</i> , 2019, 156, 299-314.	3.6	14
1552	Satellite-based Emergency Notification System to Support Cities During Extreme Temperature Events. , 2019, , .		0
1553	Recurrence Spectra of European Temperature in Historical Climate Simulations. <i>Atmosphere</i> , 2019, 10, 166.	2.3	3
1554	Heat wave Intensity Duration Frequency Curve: A Multivariate Approach for Hazard and Attribution Analysis. <i>Scientific Reports</i> , 2019, 9, 14117.	3.3	46
1555	Spatial Variability in the Effect of High Ambient Temperature on Mortality: An Analysis at Municipality Level within the Greater Athens Area. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3689.	2.6	22
1556	Heatwaves, hospitalizations for Alzheimer's disease, and postdischarge deaths: A population-based cohort study. <i>Environmental Research</i> , 2019, 178, 108714.	7.5	26
1557	Study on the Change Characteristics of and Population Exposure to Heatwave Events on the North China Plain. <i>Advances in Meteorology</i> , 2019, 2019, 1-10.	1.6	5
1558	Impact of Hurricane Katrina on the Coastal Systems of Southern Louisiana. <i>Frontiers in Environmental Science</i> , 2019, 7, 1-15.	3.3	9
1559	Mean and extreme temperatures in a warming climate: EURO CORDEX and WRF regional climate high-resolution projections for Portugal. <i>Climate Dynamics</i> , 2019, 52, 129-157.	3.8	84
1560	Temperature extremes in Alaska: temporal variability and circulation background. <i>Theoretical and Applied Climatology</i> , 2019, 136, 955-970.	2.8	11
1561	Coping with climatic extremes: Dietary fat content decreased the thermal resilience of barramundi (<i>Lates calcarifer</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 230, 64-70.	1.8	16
1562	Urban greenness extracted from pedestrian video and its relationship with surrounding air temperatures. <i>Urban Forestry and Urban Greening</i> , 2019, 38, 280-285.	5.3	8
1563	Projected Changes in Maternal Heat Exposure During Early Pregnancy and the Associated Congenital Heart Defect Burden in the United States. <i>Journal of the American Heart Association</i> , 2019, 8, e010995.	3.7	41
1564	Assessing spatial variability of extreme hot weather conditions in Hong Kong: A land use regression approach. <i>Environmental Research</i> , 2019, 171, 403-415.	7.5	31
1565	The importance of timing of heat events for predicting the dynamics of aphid pest populations. <i>Pest Management Science</i> , 2019, 75, 1866-1874.	3.4	28
1566	Strong heat and cold waves in Poland in relation with the large-scale atmospheric circulation. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1909-1923.	2.8	34
1567	Upscaling urban data science for global climate solutions. <i>Global Sustainability</i> , 2019, 2, .	3.3	73

#	ARTICLE	IF	CITATIONS
1568	Effects of deciduous shade trees on surface temperature and pedestrian thermal stress during summer and autumn. <i>International Journal of Biometeorology</i> , 2019, 63, 467-479.	3.0	46
1569	Forecasting wildlife die-offs from extreme heat events. <i>Animal Conservation</i> , 2019, 22, 386-395.	2.9	61
1570	A new mesocosm system to study the effects of environmental variability on marine species and communities. <i>Limnology and Oceanography: Methods</i> , 2019, 17, 145-162.	2.0	34
1571	Effect of In Situ short-term temperature increase on carbon metabolism and dissolved organic carbon (DOC) fluxes in a community dominated by the seagrass <i>Cymodocea nodosa</i> . <i>PLoS ONE</i> , 2019, 14, e0210386.	2.5	20
1572	Nature-Based Designs to Mitigate Urban Heat: The Efficacy of Green Infrastructure Treatments in Portland, Oregon. <i>Atmosphere</i> , 2019, 10, 282.	2.3	38
1573	Vertical observations of the atmospheric boundary layer structure over Beijing urban area during air pollution episodes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6949-6967.	4.9	48
1574	Severe heatwave in Japan. <i>Acute Medicine & Surgery</i> , 2019, 6, 206-207.	1.2	21
1575	Co-adaptation impacts the robustness of predator-prey dynamics against perturbations. <i>Ecology and Evolution</i> , 2019, 9, 3823-3836.	1.9	20
1576	Symbiotic endolithic microbes alter host morphology and reduce host vulnerability to high environmental temperatures. <i>Ecosphere</i> , 2019, 10, e02683.	2.2	17
1577	Climate Change Projections of Extreme Temperatures for the Iberian Peninsula. <i>Atmosphere</i> , 2019, 10, 229.	2.3	59
1578	Lessons from Inter-Comparison of Decadal Climate Simulations and Observations for the Midwest U.S. and Great Lakes Region. <i>Atmosphere</i> , 2019, 10, 266.	2.3	4
1579	Heat Waves and Human Well-Being in Madrid (Spain). <i>Atmosphere</i> , 2019, 10, 288.	2.3	33
1580	Interdecadal Variations in the Frequency of Persistent Hot Events in Boreal Summer over Midlatitude Eurasia. <i>Journal of Climate</i> , 2019, 32, 5161-5177.	3.2	14
1581	Climate Change and the Kidney. <i>Annals of Nutrition and Metabolism</i> , 2019, 74, 38-44.	1.9	96
1582	Micrometeorological determinants of pedestrian thermal exposure during record-breaking heat in Tempe, Arizona: Introducing the MaRTy observational platform. <i>Science of the Total Environment</i> , 2019, 687, 137-151.	8.0	120
1583	A modeling and optimization framework for power systems design with operational flexibility and resilience against extreme heat waves and drought events. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 112, 706-719.	16.4	57
1584	Urban environmental influences on the temperature-mortality relationship associated mental disorders and cardiorespiratory diseases during normal summer days in a subtropical city. <i>Environmental Science and Pollution Research</i> , 2019, 26, 24272-24285.	5.3	23
1585	Effects of residue management strategies on greenhouse gases and yield under double cropping of winter wheat and summer maize. <i>Science of the Total Environment</i> , 2019, 687, 1138-1146.	8.0	38

#	ARTICLE	IF	CITATIONS
1586	Surface Temperatures in the Urban Environment. , 2019, , 203-226.		1
1587	Effects of urbanization on winter wind chill conditions over China. Science of the Total Environment, 2019, 688, 389-397.	8.0	13
1589	Extreme heat and mortality rates in Las Vegas, Nevada: inter-annual variations and thresholds. International Journal of Environmental Science and Technology, 2019, 16, 7175-7186.	3.5	8
1590	East Asian Monsoon as a Modulator of U.S. Great Plains Heat Waves. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6342-6358.	3.3	16
1591	Multidecadal variability in Atlas cedar growth in Northwest Africa during the last 850 years: Implications for dieback and conservation of an endangered species. Dendrochronologia, 2019, 56, 125599.	2.2	7
1592	Evaluation of wearable sensors for physiologic monitoring of individually experienced temperatures in outdoor workers in southeastern U.S.. Environment International, 2019, 129, 229-238.	10.0	51
1593	Pathogen exposure disrupts an organism's ability to cope with thermal stress. Global Change Biology, 2019, 25, 3893-3905.	9.5	29
1594	An archetype-in-neighbourhood framework for modelling cooling energy demand of a city's housing stock. Energy and Buildings, 2019, 196, 30-45.	6.7	11
1595	Strategic planning for utility-scale solar photovoltaic development – Historical peak events revisited. Applied Energy, 2019, 250, 1292-1301.	10.1	15
1596	The asymmetric impact of abundant preceding rainfall on heat stress in low latitudes. Environmental Research Letters, 2019, 14, 044010.	5.2	11
1597	Infection Outcomes are Robust to Thermal Variability in a Bumble Bee Host-Parasite System. Integrative and Comparative Biology, 2019, 59, 1103-1113.	2.0	5
1598	Contrasting Evaporative Responses of Ecosystems to Heatwaves Traced to the Opposing Roles of Vapor Pressure Deficit and Surface Resistance. Water Resources Research, 2019, 55, 4550-4563.	4.2	33
1599	Different thermoregulatory responses of people from tropical and temperate zones: A computational study. Building and Environment, 2019, 159, 106152.	6.9	9
1600	Temperature Gradients in Bridge Concrete I-Girders under Heat Wave. Journal of Bridge Engineering, 2019, 24, .	2.9	37
1601	The Devil is in the Details: Identifying Aspects of Temperature Variation that Underlie Sex Determination in Species with TSD. Integrative and Comparative Biology, 2019, 59, 1081-1088.	2.0	10
1602	Rhodolith primary and carbonate production in a changing ocean: The interplay of warming and nutrients. Science of the Total Environment, 2019, 676, 455-468.	8.0	22
1603	Impact of Tropical Cyclone Winston on women mud crab fishers in Fiji. Climate and Development, 2019, 11, 699-709.	3.9	23
1604	Recent Decadal Changes in Heat Waves over China: Drivers and Mechanisms. Journal of Climate, 2019, 32, 4215-4234.	3.2	43

#	ARTICLE	IF	CITATIONS
1605	Disturbance Ecology in the Anthropocene. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	82
1606	Nested pathways to adaptation. <i>Environmental Research Communications</i> , 2019, 1, 015001.	2.3	29
1607	Physical Understanding of Human-Induced Changes in U.S. Hot Droughts Using Equilibrium Climate Simulations. <i>Journal of Climate</i> , 2019, 32, 4431-4443.	3.2	37
1608	Projected Changes in United States Regional Extreme Heat Days Derived From Bivariate Quantile Mapping of CMIP5 Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5214-5232.	3.3	9
1609	Carbon assimilation in crops at high temperatures. <i>Plant, Cell and Environment</i> , 2019, 42, 2750-2758.	5.7	52
1610	Large-scale circulation features associated with the heat wave over Northeast China in summer 2018. <i>Atmospheric and Oceanic Science Letters</i> , 2019, 12, 254-260.	1.3	31
1611	Evaluating Indices of Blocking Anticyclones in Terms of Their Linear Relations With Surface Hot Extremes. <i>Geophysical Research Letters</i> , 2019, 46, 4904-4912.	4.0	20
1612	Can semi-parametric additive models outperform linear models, when forecasting indoor temperatures in free-running buildings?. <i>Energy and Buildings</i> , 2019, 193, 250-266.	6.7	15
1613	Heat Stress Perception among Native and Migrant Workers in Italian Industriesâ€”Case Studies from the Construction and Agricultural Sectors. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1090.	2.6	52
1614	Strong Influence of Aerosol Reductions on Future Heatwaves. <i>Geophysical Research Letters</i> , 2019, 46, 4913-4923.	4.0	20
1615	Rattlesnakes Must Drink: Meal Consumption Does Not Improve Hydration State. <i>Physiological and Biochemical Zoology</i> , 2019, 92, 381-385.	1.5	12
1616	Global Heat Wave Hazard Considering Humidity Effects during the 21st Century. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1513.	2.6	24
1617	Highâ€”resolution projections of extreme heat in New York City. <i>International Journal of Climatology</i> , 2019, 39, 4721-4735.	3.5	17
1618	Biodiversity loss in a Mediterranean ecosystem due to an extreme warming event unveils the role of an engineering gorgonian species. <i>Scientific Reports</i> , 2019, 9, 5911.	3.3	66
1619	Dominant Modes of China Summer Heat Waves Driven by Global Sea Surface Temperature and Atmospheric Internal Variability. <i>Journal of Climate</i> , 2019, 32, 3761-3775.	3.2	68
1620	Impacts of exposure to ambient temperature on burden of disease: a systematic review of epidemiological evidence. <i>International Journal of Biometeorology</i> , 2019, 63, 1099-1115.	3.0	41
1621	Assessment of modern hydroâ€”meteorological hazards in a big city â€” identification for Warsaw. <i>Meteorological Applications</i> , 2019, 26, 500-510.	2.1	10
1622	Localized Changes in Heat Wave Properties Across the United States. <i>Earth's Future</i> , 2019, 7, 300-319.	6.3	58

#	ARTICLE	IF	CITATIONS
1623	New York City Panel on Climate Change 2019 Report Chapter 2: New Methods for Assessing Extreme Temperatures, Heavy Downpours, and Drought. <i>Annals of the New York Academy of Sciences</i> , 2019, 1439, 30-70.	3.8	21
1624	Influence of the Spatial Resolution of the Exposure Estimate in Determining the Association between Heat Waves and Adverse Health Outcomes. <i>Annals of the American Association of Geographers</i> , 2019, 109, 875-886.	2.2	10
1625	Heat waves in Central Europe and tropospheric anomalies of temperature and geopotential heights. <i>International Journal of Climatology</i> , 2019, 39, 4189-4205.	3.5	34
1626	Spatial Variability and Long-Term Trend in the Occurrence Frequency of Heatwave and Tropical Night in Korea. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2019, 55, 101-114.	2.3	16
1627	Impacts of the North Atlantic subtropical high on interannual variation of summertime heat stress over the conterminous United States. <i>Climate Dynamics</i> , 2019, 53, 3345-3359.	3.8	8
1628	Transgenerational and within-generation plasticity shape thermal performance curves. <i>Ecology and Evolution</i> , 2019, 9, 2072-2082.	1.9	26
1629	Extreme Climate Event Footprint at Delhi, India: A Comparison of Last One Decade Meteorological Conditions. <i>Journal of Climate Change</i> , 2019, 5, 33-40.	0.5	0
1630	Monitoring Drought Effects on Vegetation Productivity Using Satellite Solar-Induced Chlorophyll Fluorescence. <i>Remote Sensing</i> , 2019, 11, 378.	4.0	38
1631	Marine heatwaves threaten global biodiversity and the provision of ecosystem services. <i>Nature Climate Change</i> , 2019, 9, 306-312.	18.8	883
1632	Modulation of the urban boundary-layer heat budget by a heatwave. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 1814-1831.	2.7	10
1633	Heat Waves Occurrence and Outdoor Workers' Self-assessment of Heat Stress in Slovenia and Greece. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 597.	2.6	22
1634	Improving Grain Quality in Oil and Cereal Crops. , 2019, , 269-285.		6
1635	Extreme temperature impairs growth and productivity in a common tropical marine copepod. <i>Scientific Reports</i> , 2019, 9, 4550.	3.3	39
1636	Assessing Heat Waves over Greece Using the Excess Heat Factor (EHF). <i>Climate</i> , 2019, 7, 9.	2.8	16
1637	Evaluation of synoptic-scale patterns during extreme temperature and precipitation events in Alaska. <i>International Journal of Climatology</i> , 2019, 39, 3134-3146.	3.5	4
1638	Thermal environments within aspen (<i>Populus tremuloides</i>) tree cavities during summer: Implications for breeding and roosting cavity users. <i>Journal of Thermal Biology</i> , 2019, 81, 41-48.	2.5	4
1639	Interaction of urban heat islands and heat waves under current and future climate conditions and their mitigation using green and cool roofs in New York City and Phoenix, Arizona. <i>Environmental Research Letters</i> , 2019, 14, 034002.	5.2	61
1640	Prediction of summer extreme precipitation over the middle and lower reaches of the Yangtze River basin. <i>International Journal of Climatology</i> , 2019, 39, 375-383.	3.5	13

#	ARTICLE	IF	CITATIONS
1641	The Linkage of the Large-Scale Circulation Pattern to a Long-Lived Heatwave over Mideastern China in 2018. <i>Atmosphere</i> , 2019, 10, 89.	2.3	29
1642	Fanning as an alternative to air conditioning – A sustainable solution for reducing indoor occupational heat stress. <i>Energy and Buildings</i> , 2019, 193, 92-98.	6.7	32
1643	Heatwaves and diabetes in Brisbane, Australia: a population-based retrospective cohort study. <i>International Journal of Epidemiology</i> , 2019, 48, 1091-1100.	1.9	37
1644	Future projections of heat waves over India from CMIP5 models. <i>Climate Dynamics</i> , 2019, 53, 975-988.	3.8	60
1645	Impacts of urban configuration on urban heat island: An empirical study in China mega-cities. <i>Science of the Total Environment</i> , 2019, 671, 1036-1046.	8.0	150
1646	Projected near-term changes in three types of heat waves over China under RCP4.5. <i>Climate Dynamics</i> , 2019, 53, 3751-3769.	3.8	22
1647	Heat stress induced flowering can be a potential adaptive response to ocean warming for the iconic seagrass <i>Posidonia oceanica</i> . <i>Molecular Ecology</i> , 2019, 28, 2486-2501.	3.9	85
1648	Mild weather changes over China during 1971–2014: Climatology, trends, and interannual variability. <i>Scientific Reports</i> , 2019, 9, 2419.	3.3	6
1649	Observed and projected shifts in hot extremes' season in the Eastern Mediterranean. <i>Global and Planetary Change</i> , 2019, 175, 190-200.	3.5	38
1650	The Sensitivity to Initial Soil Moisture for Three Severe Cases of Heat Waves Over Eastern China. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	17
1651	Mapping heat-related health risks of elderly citizens in mountainous area: A case study of Chongqing, China. <i>Science of the Total Environment</i> , 2019, 663, 852-866.	8.0	47
1652	Summer Arctic Cold Anomaly Dynamically Linked to East Asian Heat Waves. <i>Journal of Climate</i> , 2019, 32, 1137-1150.	3.2	37
1653	Reconstruction of high spatial resolution surface air temperature data across China: A new geo-intelligent multisource data-based machine learning technique. <i>Science of the Total Environment</i> , 2019, 665, 300-313.	8.0	28
1654	Range size and growth temperature influence <i>Eucalyptus</i> species responses to an experimental heatwave. <i>Global Change Biology</i> , 2019, 25, 1665-1684.	9.5	44
1655	Decadal Variations in the Relationship between the Western Pacific Subtropical High and Summer Heat Waves in East China. <i>Journal of Climate</i> , 2019, 32, 1627-1640.	3.2	64
1656	Transgenerational effects of parental light environment on progeny competitive performance and lifetime fitness. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180182.	4.0	46
1657	A Methodological Approach to Assess the Co-Behavior of Climate Processes over Southern Africa. <i>Journal of Climate</i> , 2019, 32, 2483-2495.	3.2	7
1658	Temporally Compound Heat Wave Events and Global Warming: An Emerging Hazard. <i>Earth's Future</i> , 2019, 7, 411-427.	6.3	147

#	ARTICLE	IF	CITATIONS
1659	Age-specific distributed lag models for heat -related mortality. <i>Environmetrics</i> , 2019, 30, e2561.	1.4	5
1660	On the comparison of urban canopy effects parameterisation. <i>International Journal of Environment and Pollution</i> , 2019, 65, 177.	0.2	8
1661	Are model organisms representative for climate change research? Testing thermal tolerance in wild and laboratory zebrafish populations. , 2019, 7, coz036.		47
1662	Adaptive Responses of Marine Gastropods to Heatwaves. <i>One Earth</i> , 2019, 1, 374-381.	6.8	69
1663	Temporal Changes in China's Air Temperature Distribution and Its Impact on Hot Extreme Occurrence. <i>Atmosphere</i> , 2019, 10, 748.	2.3	0
1664	The spatial-temporal patterns of heatwave hazard impacts on wheat in northern China under extreme climate scenarios. <i>Geomatics, Natural Hazards and Risk</i> , 2019, 10, 2346-2367.	4.3	14
1665	Local and Nonlocal Land Surface Influence in European Heatwave Initial Condition Ensembles. <i>Geophysical Research Letters</i> , 2019, 46, 14082-14092.	4.0	17
1666	Australian songbird body size tracks climate variation: 82 species over 50 years. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20192258.	2.6	20
1667	Mitigating the risk of drought-induced stem cracks in conifers in a changing climate. <i>Scandinavian Journal of Forest Research</i> , 2019, 34, 667-672.	1.4	5
1668	Beech and silver fir's response along the Balkan's latitudinal gradient. <i>Scientific Reports</i> , 2019, 9, 16269.	3.3	23
1669	Decreased thermal tolerance under recurrent heat stress conditions explains summer mass mortality of the blue mussel <i>Mytilus edulis</i> . <i>Scientific Reports</i> , 2019, 9, 17498.	3.3	88
1670	Direct and transgenerational effects of an experimental heatwave on early life stages in a freshwater snail. <i>Freshwater Biology</i> , 2019, 64, 2131-2140.	2.4	14
1671	Population dynamics modify urban residents's exposure to extreme temperatures across the United States. <i>Science Advances</i> , 2019, 5, eaay3452.	10.3	43
1672	The Field Metabolic Rate, Water Turnover, and Feeding and Drinking Behavior of a Small Avian Desert Granivore During a Summer Heatwave. <i>Frontiers in Physiology</i> , 2019, 10, 1405.	2.8	42
1673	Changes of concurrent drought and heat extremes in the arid and semi-arid regions of China during 1961-2014. <i>Atmospheric Science Letters</i> , 2019, 20, e947.	1.9	14
1674	A Spatio-Temporal Bayesian Model for Estimating the Effects of Land Use Change on Urban Heat Island. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 522.	2.9	5
1675	Development of a Submonthly Temperature Product to Monitor Near-Real-Time Climate Conditions and Assess Long-Term Heat Events in the United States. <i>Journal of Applied Meteorology and Climatology</i> , 2019, 58, 2653-2674.	1.5	12
1676	Trends in heat wave related indices in Pakistan. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 287-302.	4.0	92

#	ARTICLE	IF	CITATIONS
1677	Issues and challenges in defining a heat wave: A Mediterranean case study. <i>International Journal of Climatology</i> , 2019, 39, 331-342.	3.5	10
1678	Spatial-temporal pattern of, and driving forces for, urban heat island in China. <i>Ecological Indicators</i> , 2019, 96, 127-132.	6.3	37
1679	Large and local-scale features associated with heat waves in the United States in reanalysis products and the NARCCAP model ensemble. <i>Climate Dynamics</i> , 2019, 52, 1883-1901.	3.8	8
1680	Time series analysis of ambient air-temperature during the period 1970–2016 over Sydney, Australia. <i>Science of the Total Environment</i> , 2019, 648, 1627-1638.	8.0	46
1681	Evidence from the proteome for local adaptation to extreme heat in a widespread tree species. <i>Functional Ecology</i> , 2019, 33, 436-446.	3.6	9
1682	Evaluating climate change adaptation strategies and scenarios of enhanced vertical and horizontal compactness at urban scale (a case study for Berlin). <i>Landscape and Urban Planning</i> , 2019, 183, 68-78.	7.5	23
1683	Radiative cooling: A review of fundamentals, materials, applications, and prospects. <i>Applied Energy</i> , 2019, 236, 489-513.	10.1	474
1684	The weakest link: sensitivity to climate extremes across life stages of marine invertebrates. <i>Oikos</i> , 2019, 128, 621-629.	2.7	93
1685	An intercomparison of multiple statistical downscaling methods for daily precipitation and temperature over China: future climate projections. <i>Climate Dynamics</i> , 2019, 52, 6749-6771.	3.8	12
1686	Is the urban heat island exacerbated during heatwaves in southern Australian cities?. <i>Theoretical and Applied Climatology</i> , 2019, 137, 441-457.	2.8	51
1687	Strong but Intermittent Spatial Covariations in Tropical Land Temperature. <i>Geophysical Research Letters</i> , 2019, 46, 356-364.	4.0	9
1688	Food quality matters: Interplay among food quality, food quantity and temperature affecting life history traits of <i>Aurelia aurita</i> (Cnidaria: Scyphozoa) polyps. <i>Science of the Total Environment</i> , 2019, 656, 1280-1288.	8.0	15
1689	Maximum wet-bulb globe temperature mapping in central-south Brazil: a numerical study. <i>Meteorological Applications</i> , 2019, 26, 385.	2.1	7
1690	The El Niño–Southern Oscillation's effect on summer heatwave development mechanisms in Australia. <i>Climate Dynamics</i> , 2019, 52, 6279-6300.	3.8	21
1691	Assessment of heat exposure in cities: Combining the dynamics of temperature and population. <i>Science of the Total Environment</i> , 2019, 655, 1-12.	8.0	31
1692	Response Mechanism of Oviposition and Relevant Protein Expression of <i>Bactrocera cucurbitae</i> (Coquillett) to Short-Term High-Temperature Conditions. <i>Neotropical Entomology</i> , 2019, 48, 197-206.	1.2	8
1693	Contribution of local emissions and transboundary air pollution to air quality in Hong Kong during El Niño–Southern Oscillation and heatwaves. <i>Atmospheric Research</i> , 2019, 218, 50-58.	4.1	44
1694	Concurrent droughts and hot extremes in northwest China from 1961 to 2017. <i>International Journal of Climatology</i> , 2019, 39, 2186-2196.	3.5	65

#	ARTICLE	IF	CITATIONS
1695	On the short-term simulation of heat waves in the Southeast Mediterranean: Sensitivity of the WRF model to various physics schemes. <i>Atmospheric Research</i> , 2019, 218, 99-116.	4.1	16
1696	Thermal refuge affects space use and movement of a large-bodied galliform. <i>Journal of Thermal Biology</i> , 2019, 80, 37-44.	2.5	22
1697	Exploring the human thermoneutral zone – A dynamic approach. <i>Journal of Thermal Biology</i> , 2019, 79, 199-208.	2.5	33
1698	Future projection of heat waves over China under global warming within the CORDEX-EA-II project. <i>Climate Dynamics</i> , 2019, 53, 957-973.	3.8	39
1699	Ranking European capitals by exposure to heat waves and cold waves. <i>Urban Climate</i> , 2019, 27, 388-402.	5.7	67
1700	Health Care Student Perceptions of Societal Vulnerability to Disasters in the Context of Population Aging. <i>Disaster Medicine and Public Health Preparedness</i> , 2019, 13, 449-455.	1.3	1
1701	Quantifying urban heat island intensity and its physical mechanism using WRF/UCM. <i>Science of the Total Environment</i> , 2019, 650, 3110-3119.	8.0	102
1702	Thermal tolerance limits as indicators of current and future intertidal zonation patterns in a diverse mussel guild. <i>Marine Biology</i> , 2019, 166, 1.	1.5	25
1703	Heat waves in Berlin and Potsdam, Germany – Long-term trends and comparison of heat wave definitions from 1893 to 2017. <i>International Journal of Climatology</i> , 2019, 39, 2422-2437.	3.5	47
1704	Elevated temperatures reduce discrimination between conspecific and heterospecific sexual signals. <i>Animal Behaviour</i> , 2019, 147, 9-15.	1.9	18
1705	Vegetation Response to Rising CO ₂ Impacts Extreme Temperatures. <i>Geophysical Research Letters</i> , 2019, 46, 1383-1392.	4.0	28
1706	Role of vertical velocity in improving finer scale statistical downscaling for projection of extreme precipitation. <i>Theoretical and Applied Climatology</i> , 2019, 137, 791-804.	2.8	7
1707	Sex differences in mortality after heat waves: are elderly women at higher risk?. <i>International Archives of Occupational and Environmental Health</i> , 2019, 92, 37-48.	2.3	69
1708	Towards establishing evidence-based guidelines on maximum indoor temperatures during hot weather in temperate continental climates. <i>Temperature</i> , 2019, 6, 11-36.	3.0	46
1709	Evapotranspiration-dominated biogeophysical warming effect of urbanization in the Beijing-Tianjin-Hebei region, China. <i>Climate Dynamics</i> , 2019, 52, 1231-1245.	3.8	36
1710	Local-scale analysis of temperature patterns over Poland during heatwave events. <i>Theoretical and Applied Climatology</i> , 2019, 135, 261-277.	2.8	6
1711	Climatic characteristics of heat waves under climate change: a case study of mid-latitudes, Iran. <i>Environment, Development and Sustainability</i> , 2019, 21, 637-656.	5.0	2
1712	The vulnerability of interdependent urban infrastructure systems to climate change: could Phoenix experience a Katrina of extreme heat?. <i>Sustainable and Resilient Infrastructure</i> , 2019, 4, 21-35.	2.8	35

#	ARTICLE	IF	CITATIONS
1713	Evaluation of convection-permitting WRF CONUS simulation on the relationship between soil moisture and heatwaves. <i>Climate Dynamics</i> , 2020, 55, 235-252.	3.8	17
1714	Trends in summer heatwaves in central Asia from 1917 to 2016: Association with large-scale atmospheric circulation patterns. <i>International Journal of Climatology</i> , 2020, 40, 115-127.	3.5	19
1715	Understanding the spatio-temporal structure of recent heat waves over India. <i>Natural Hazards</i> , 2020, 102, 673-688.	3.4	4
1716	Cultural heritage microclimate change: Human-centric approach to experimentally investigate intra-urban overheating and numerically assess foreseen future scenarios impact. <i>Science of the Total Environment</i> , 2020, 703, 134448.	8.0	25
1717	Amplified or exaggerated changes in perceived temperature extremes under global warming. <i>Climate Dynamics</i> , 2020, 54, 117-127.	3.8	15
1718	The changes of high-temperature extremes and their links with atmospheric circulation over the Northern Hemisphere. <i>Theoretical and Applied Climatology</i> , 2020, 139, 261-274.	2.8	12
1719	The extreme year analysis of thermal conditions in Poland in 2018. <i>Theoretical and Applied Climatology</i> , 2020, 139, 251-260.	2.8	25
1720	The heat exposure risk to outdoor workers in Brazil. <i>Archives of Environmental and Occupational Health</i> , 2020, 75, 281-288.	1.4	9
1721	Occurrence of More Heat Waves Over the Central East Coast of India in the Recent Warming Era. <i>Pure and Applied Geophysics</i> , 2020, 177, 1143-1155.	1.9	12
1722	Modelling the overheating risk in an uniform high-rise building design with a consideration of urban context and heatwaves. <i>Indoor and Built Environment</i> , 2020, 29, 671-688.	2.8	15
1723	Occurrence of strong and very strong heat stress in Poland and its circulation conditions. <i>Theoretical and Applied Climatology</i> , 2020, 139, 893-905.	2.8	47
1724	A high-resolution indoor heat-health warning system for dwellings. <i>Building and Environment</i> , 2020, 168, 106519.	6.9	14
1725	Synoptic characteristics of extreme heatwaves over the Korean Peninsula based on ERA Interim reanalysis data. <i>International Journal of Climatology</i> , 2020, 40, 3179-3195.	3.5	14
1726	Influence of the South Asian high-intensity variability on the persistent heavy rainfall and heat waves in Asian monsoon regions. <i>International Journal of Climatology</i> , 2020, 40, 2153-2172.	3.5	6
1727	The relationship between urban form and heat island intensity along the urban development gradients. <i>Science of the Total Environment</i> , 2020, 708, 135011.	8.0	83
1728	Interannual Variability of North American Winter Temperature Extremes and Its Associated Circulation Anomalies in Observations and CMIP5 Simulations. <i>Journal of Climate</i> , 2020, 33, 847-865.	3.2	12
1729	Environmental data clustering analysis through wearable sensing techniques: New bottom-up process aimed to identify intra-urban granular morphologies from pedestrian transects. <i>Building and Environment</i> , 2020, 171, 106641.	6.9	27
1730	On the role of the atlantic ocean in exacerbating indian heat waves. <i>Climate Dynamics</i> , 2020, 54, 1887-1896.	3.8	6

#	ARTICLE	IF	CITATIONS
1731	Hot weather and risk of drowning in children: Opportunity for prevention. Preventive Medicine, 2020, 130, 105885.	3.4	19
1732	Biometeorological conditions during an extreme heatwave event in Poland in August 2015. Weather, 2020, 75, 183-189.	0.7	19
1733	Physiological responses of germinant Pinus palustris and P. taeda seedlings to water stress and the significance of the grass-stage. Forest Ecology and Management, 2020, 458, 117647.	3.2	10
1734	Tracking Iberian heatwaves from a new perspective. Weather and Climate Extremes, 2020, 28, 100238.	4.1	20
1735	A comprehensive review of climate change impacts, adaptation, and mitigation on environmental and natural calamities in Pakistan. Environmental Monitoring and Assessment, 2020, 192, 48.	2.7	108
1736	Exertional Heat Illness. , 2020, , .		5
1737	Future projections of Indian Summer Monsoon under multiple RCPs using a high resolution global climate model multforcing ensemble simulations. Climate Dynamics, 2020, 54, 1315-1328.	3.8	21
1738	Aircraft observed diurnal variations of the planetary boundary layer under heat waves. Atmospheric Research, 2020, 235, 104801.	4.1	14
1739	Climate change-mediated temperature extremes and insects: From outbreaks to breakdowns. Global Change Biology, 2020, 26, 6685-6701.	9.5	114
1740	Interactive effects of extreme temperature and a widespread coastal metal contaminant reduce the fitness of a common tropical copepod across generations. Marine Pollution Bulletin, 2020, 159, 111509.	5.0	14
1741	Distribution of cold wave mortalities over India: 1978-2014. International Journal of Disaster Risk Reduction, 2020, 51, 101841.	3.9	8
1742	Regional changes in extreme heat events in China under stabilized 1.5°C and 2.0°C global warming. Advances in Climate Change Research, 2020, 11, 198-209.	5.1	27
1743	Association of Summer Heat Waves and the Probability of Preterm Birth in Minnesota: An Exploration of the Intersection of Race and Education. International Journal of Environmental Research and Public Health, 2020, 17, 6391.	2.6	21
1744	Critical increase in the occurrence of heat stress during reproductive growth in Russian wheat beyond 1.5°C global warming. Weather and Climate Extremes, 2020, 30, 100281.	4.1	8
1745	Projections of heat stress and associated work performance over India in response to global warming. Scientific Reports, 2020, 10, 16675.	3.3	37
1746	Critical risk determination method of energy-flow network for urban electricity system under extreme heat wave impact. Environmental Research, 2020, 191, 110143.	7.5	7
1747	Heatwaves intensification in Australia: A consistent trajectory across past, present and future. Science of the Total Environment, 2020, 742, 140521.	8.0	66
1748	Exertional Heat Illness Preparedness Strategies: Environmental Monitoring Policies in United States High Schools. Medicina (Lithuania), 2020, 56, 486.	2.0	6

#	ARTICLE	IF	CITATIONS
1749	Characterization of heat stress affecting the growth performance, blood biochemical profile, and redox status in male and female broilers at market age. <i>Tropical Animal Health and Production</i> , 2020, 52, 3833-3841.	1.4	10
1750	A Class of Indices and a Graphical Tool to Monitor Temperature Anomalies. <i>Air, Soil and Water Research</i> , 2020, 13, 117862212093838.	2.5	6
1751	Model-based approach for analyzing prevalence of nuclear cataracts in elderly residents. <i>Computers in Biology and Medicine</i> , 2020, 126, 104009.	7.0	7
1752	Intensity-duration-frequency relationship of WBGT extremes using regional frequency analysis in South Korea. <i>Environmental Research</i> , 2020, 190, 109964.	7.5	7
1753	Intraurban social risk and mortality patterns during extreme heat events: A case study of Moscow, 2010-2017. <i>Health and Place</i> , 2020, 66, 102429.	3.3	16
1754	Early Warning Signals for Critical Temperature Transitions. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088503.	4.0	11
1755	Rapid within- and transgenerational changes in thermal tolerance and fitness in variable thermal landscapes. <i>Ecology and Evolution</i> , 2020, 10, 8105-8113.	1.9	10
1756	The rising of allergic respiratory diseases in a changing world: from climate change to migration. <i>Expert Review of Respiratory Medicine</i> , 2020, 14, 973-986.	2.5	12
1757	Fluctuating environments impact thermal tolerance in an invasive insect species <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). <i>Journal of Applied Entomology</i> , 2020, 144, 885-896.	1.8	15
1758	Hazards of extreme events in China under different global warming targets. <i>Big Earth Data</i> , 2020, 4, 153-174.	4.4	12
1759	Extreme hot days over three global mega-regions: Historical fidelity and future projection. <i>Atmospheric Science Letters</i> , 2020, 21, e1003.	1.9	9
1760	Pathogen exposure reduces sexual dimorphism in a host's upper thermal limits. <i>Ecology and Evolution</i> , 2020, 10, 12851-12859.	1.9	9
1761	Global-Scale Synchronization in the Meteorological Data: A Vectorial Analysis That Includes Higher-Order Differences. <i>Climate</i> , 2020, 8, 128.	2.8	4
1762	Are Vulnerable Communities Thoroughly Informed on Mosquito Bio-Ecology and Burden?. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8196.	2.6	7
1763	Microhabitats choice in intertidal gastropods is species-, temperature- and habitat-specific. <i>Journal of Thermal Biology</i> , 2020, 94, 102785.	2.5	8
1764	Which heatwave measure has higher predictive power to prevent health risks related to heat: EHF or GATO IV? – Evidence from modelling Lisbon mortality data from 1980 to 2016. <i>Weather and Climate Extremes</i> , 2020, 30, 100287.	4.1	3
1765	Physiological implications of climate change for a critically endangered Australian marsupial. <i>Australian Journal of Zoology</i> , 2021, 68, 200-211.	1.0	8
1766	The Large Communal Nests of Sociable Weavers Provide Year-Round Insulated Refuge for Weavers and Pygmy Falcons. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	10

#	ARTICLE	IF	CITATIONS
1767	Temperatureâ€“parasite interaction: do trematode infections protect against heat stress?. International Journal for Parasitology, 2020, 50, 1189-1194.	3.1	13
1768	Changes in the Magnitude of the Individual and Combined Effects of Contaminants, Warming, and Predators on Tropical Cladocerans across 11 Generations. Environmental Science & Technology, 2020, 54, 15287-15295.	10.0	9
1769		1.6	2
1770	Heatwave Damage Prediction Using Random Forest Model in Korea. Applied Sciences (Switzerland), 2020, 10, 8237.	2.5	19
1771	Implications of increasing temperature stress for predatory biocontrol of vector mosquitoes. Parasites and Vectors, 2020, 13, 604.	2.5	9
1772	The Multiple-Scale Nature of Urban Heat Island and Its Footprint on Air Quality in Real Urban Environment. Atmosphere, 2020, 11, 1186.	2.3	20
1773	Tensile behavior of clayey soils during desiccation cracking process. Engineering Geology, 2020, 279, 105909.	6.3	20
1774	Preparing for the worst: Utilizing stressâ€“tolerant soil microbial communities to aid ecological restoration in the Anthropocene. Ecological Solutions and Evidence, 2020, 1, e12027.	2.0	21
1775	A Methodology for Assembling Future Weather Files Including Heatwaves for Building Thermal Simulations from the European Coordinated Regional Downscaling Experiment (EURO-CORDEX) Climate Data. Energies, 2020, 13, 3424.	3.1	30
1776	Heatwaves in the Future Warmer Climate of South Africa. Atmosphere, 2020, 11, 712.	2.3	55
1777	Thermal stability vs. variability: Insights in oxidative stress from a eurytolerant fish. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 249, 110767.	1.8	11
1778	Movement rules determine nomadic species' responses to resource supplementation and degradation. Journal of Animal Ecology, 2020, 89, 2644-2656.	2.8	5
1779	Extreme and variable environmental temperatures are linked to reduction of social network cohesiveness in a highly social passerine. Oikos, 2020, 129, 1597-1610.	2.7	6
1780	More perceived but not faster evolution of heat stress than temperature extremes in the future. Climatic Change, 2020, 162, 527-544.	3.6	1
1781	Clinal variation in investment into reproduction versus maintenance suggests a â€“pace-of-lifeâ€™ syndrome in a widespread butterfly. Oecologia, 2020, 193, 1011-1020.	2.0	3
1782	Sources of Subseasonal Prediction Skill for Heatwaves over the Yangtze River Basin Revealed from Three S2S Models. Advances in Atmospheric Sciences, 2020, 37, 1435-1450.	4.3	17
1783	Variations in surface area of six ice aprons in the Mont-Blanc massif since the Little Ice Age. Journal of Glaciology, 2020, 66, 777-789.	2.2	13
1784	The sources of municipalitiesâ€™ innovation in the management of weather disaster risks, their relationships, and their antecedents. Local Government Studies, 2021, 47, 951-970.	2.2	0

#	ARTICLE	IF	CITATIONS
1785	There's a storm a'coming: Ecological resilience and resistance to extreme weather events. <i>Ecology and Evolution</i> , 2020, 10, 12147-12156.	1.9	21
1786	Host Overwintering Phenology and Climate Change Influence the Establishment of <i>Tetrastichus planipennis</i> Yang (Hymenoptera: Eulophidae), a Larval Parasitoid Introduced for Biocontrol of the Emerald Ash Borer. <i>Journal of Economic Entomology</i> , 2020, 113, 2641-2649.	1.8	9
1787	Temperature increase and its effects on fish stress physiology in the context of global warming. <i>Journal of Fish Biology</i> , 2021, 98, 1496-1508.	1.6	197
1788	Satellite-based mapping of the Universal Thermal Climate Index over the Yangtze River Delta urban agglomeration. <i>Journal of Cleaner Production</i> , 2020, 277, 123830.	9.3	24
1789	Marine heat waves alter gene expression of key enzymes of membrane and storage lipids metabolism in <i>Phaeodactylum tricornutum</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 156, 357-368.	5.8	11
1790	Predicting temperature mortality and selection in natural <i>Drosophila</i> populations. <i>Science</i> , 2020, 369, 1242-1245.	12.6	85
1791	Heat Exposure Information at Screen Level for an Impact-Based Forecasting and Warning Service for Heat-Wave Disasters. <i>Atmosphere</i> , 2020, 11, 920.	2.3	5
1792	Heatwave-Related Mortality Risk and the Risk-Based Definition of Heat Wave in South Korea: A Nationwide Time-Series Study for 2011–2017. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5720.	2.6	27
1795	A New Approach for Understanding Urban Microclimate by Integrating Complementary Predictors at Different Scales in Regression and Machine Learning Models. <i>Remote Sensing</i> , 2020, 12, 2434.	4.0	24
1796	Assessing Future Changes of Climate Extreme Events in the CORDEX-MENA Region Using Regional Climate Model ALADIN-Climate. <i>Earth Systems and Environment</i> , 2020, 4, 477-492.	6.2	58
1797	Impact Forecasting to Support Emergency Management of Natural Hazards. <i>Reviews of Geophysics</i> , 2020, 58, e2020RG000704.	23.0	93
1798	A landscape-scale assessment of the relationship between grassland functioning, community diversity, and functional traits. <i>Ecology and Evolution</i> , 2020, 10, 9906-9919.	1.9	8
1799	Late lactation in small mammals is a critically sensitive window of vulnerability to elevated ambient temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24352-24358.	7.1	29
1800	Exogenous application of plant hormones in the field alters aboveground plant–insect responses and belowground nutrient availability, but does not lead to differences in plant–soil feedbacks. <i>Arthropod-Plant Interactions</i> , 2020, 14, 559-570.	1.1	2
1801	Diverging Responses of Two Subtropical Tree Species (<i>Schima superba</i> and <i>Cunninghamia lanceolata</i>) to Heat Waves. <i>Forests</i> , 2020, 11, 513.	2.1	8
1802	Implementation of BFASTmonitor Algorithm on Google Earth Engine to Support Large-Area and Sub-Annual Change Monitoring Using Earth Observation Data. <i>Remote Sensing</i> , 2020, 12, 2953.	4.0	33
1803	Recent changes in heatwave characteristics over Korea. <i>Climate Dynamics</i> , 2020, 55, 1685-1696.	3.8	32
1804	Rising Trends in Heatwave Metrics Across Southern California. <i>Earth's Future</i> , 2020, 8, e2020EF001480.	6.3	36

#	ARTICLE	IF	CITATIONS
1805	Candidate stress biomarkers for queen failure diagnostics. BMC Genomics, 2020, 21, 571.	2.8	15
1806	Changes in the Compound Drought and Extreme Heat Occurrence in the 1961–2018 Period at the European Scale. Water (Switzerland), 2020, 12, 3543.	2.7	18
1807	The 2018 summer heatwaves over northwestern Europe and its extended-range prediction. Scientific Reports, 2020, 10, 19283.	3.3	23
1808	Heatwaves during low tide are critical for the physiological performance of intertidal macroalgae under global warming scenarios. Scientific Reports, 2020, 10, 21408.	3.3	15
1809	Impact of Nutrients, Temperatures, and a Heat Wave on Zooplankton Community Structure: An Experimental Approach. Water (Switzerland), 2020, 12, 3416.	2.7	13
1810	Review of Biometeorology of Heatwaves and Warm Extremes in Europe. Atmosphere, 2020, 11, 1276.	2.3	26
1811	Evaluation of the Impact of the Envelope System on Thermal Energy Demand in Hospital Buildings. Buildings, 2020, 10, 250.	3.1	3
1812	On the curious case of the recent decade, mid-spring precipitation deficit in central Europe. Npj Climate and Atmospheric Science, 2020, 3, .	6.8	51
1813	Inflow Forecast of Iranamadu Reservoir, Sri Lanka, under Projected Climate Scenarios Using Artificial Neural Networks. Applied Computational Intelligence and Soft Computing, 2020, 2020, 1-11.	2.3	13
1814	Changes in Global and Regional Characteristics of Heat Stress Waves in the 21st Century. Earth's Future, 2020, 8, e2020EF001636.	6.3	22
1815	COSMO-CLM Performance and Projection of Daily and Hourly Temperatures Reaching 50 Â°C or Higher in Southern Iraq. Atmosphere, 2020, 11, 1155.	2.3	0
1816	Future Risks of Unprecedented Compound Heat Waves Over Three Vast Urban Agglomerations in China. Earth's Future, 2020, 8, e2020EF001716.	6.3	39
1817	Some like it hotter: trematode transmission under changing temperature conditions. Oecologia, 2020, 194, 745-755.	2.0	18
1818	Update on Climate Change. Clinics in Chest Medicine, 2020, 41, 753-761.	2.1	7
1819	Analysis of the heat budget of standard, cool and watered pavements under lab heat-wave conditions. Energy and Buildings, 2020, 228, 110455.	6.7	14
1820	The Evolving Distribution of Relative Humidity Conditional Upon Daily Maximum Temperature in a Warming Climate. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032100.	3.3	12
1821	Quantitatively evaluating the effect of urbanization on heat waves in China. Science of the Total Environment, 2020, 731, 138857.	8.0	48
1822	Projecting heat waves temporally and spatially for local adaptations in a changing climate: Washington D.C. as a case study. Natural Hazards, 2020, 103, 731-750.	3.4	7

#	ARTICLE	IF	CITATIONS
1823	Drought-induced Soil Desiccation Cracking Behavior With Consideration of Basal Friction and Layer Thickness. <i>Water Resources Research</i> , 2020, 56, e2019WR026948.	4.2	60
1824	Physiological responses of wild zebra finches (<i>Taeniopygia guttata</i>) to heatwaves. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	21
1825	Climate change shapes the future evolution of plant metabolism. <i>Genetics & Genomics Next</i> , 2020, 1, e10022.	1.5	5
1826	Population exposure to extreme heat in China: Frequency, intensity, duration and temporal trends. <i>Sustainable Cities and Society</i> , 2020, 60, 102282.	10.4	29
1827	Spatiotemporal Distribution and Risk Assessment of Heat Waves Based on Apparent Temperature in the One Belt and One Road Region. <i>Remote Sensing</i> , 2020, 12, 1174.	4.0	16
1828	Stress Memory in Seagrasses: First Insight Into the Effects of Thermal Priming and the Role of Epigenetic Modifications. <i>Frontiers in Plant Science</i> , 2020, 11, 494.	3.6	71
1829	Characteristics and trends of flash droughts in Spain, 1961–2018. <i>Annals of the New York Academy of Sciences</i> , 2020, 1472, 155-172.	3.8	44
1831	Hyperthermic stress resistance of bumblebee males: test case of Belgian species. <i>Apidologie</i> , 2020, 51, 911-920.	2.0	12
1832	Management of abiotic stress and sustainability. , 2020, , 883-916.		1
1833	Upper thermal limits are repeatable in Trinidadian guppies. <i>Journal of Thermal Biology</i> , 2020, 90, 102597.	2.5	18
1834	Disturbance, dispersal and marine assemblage structure: A case study from the nearshore Southern Ocean. <i>Marine Environmental Research</i> , 2020, 160, 105025.	2.5	9
1835	Heatwave effects on the swimming behaviour of a Mediterranean freshwater fish, the Iberian barbel <i>Luciobarbus bocagei</i> . <i>Science of the Total Environment</i> , 2020, 730, 139152.	8.0	12
1836	Curbing the Summer Surge: Permanent Outdoor Water Use Restrictions in Humid and Semiarid Cities. <i>Water Resources Research</i> , 2020, 56, e2019WR026466.	4.2	6
1837	What Caused the Extraordinarily Hot 2018 Summer in Korea?. <i>Journal of the Meteorological Society of Japan</i> , 2020, 98, 153-167.	1.8	16
1838	The Record-Breaking High Temperature over Europe in June of 2019. <i>Atmosphere</i> , 2020, 11, 524.	2.3	11
1839	The shifting influence of future water and temperature stress on the optimal flowering period for wheat in Western Australia. <i>Science of the Total Environment</i> , 2020, 737, 139707.	8.0	23
1840	Heatwaves alter survival of the Sydney rock oyster, <i>Saccostrea glomerata</i> . <i>Marine Pollution Bulletin</i> , 2020, 158, 111389.	5.0	34
1841	Cause for quasi-biweekly oscillation of zonal location of western Pacific subtropical high during boreal summer. <i>Atmospheric Research</i> , 2020, 245, 105079.	4.1	13

#	ARTICLE	IF	CITATIONS
1842	Phenology of heat waves over India. Atmospheric Research, 2020, 245, 105078.	4.1	34
1843	Observed changes in heat waves with different severities in China during 1961–2015. Theoretical and Applied Climatology, 2020, 141, 1529-1540.	2.8	33
1844	Mating patterns influence vulnerability to the extinction vortex. Global Change Biology, 2020, 26, 4226-4239.	9.5	32
1846	Analysis of Extreme Temperature Events over the Iberian Peninsula during the 21st Century Using Dynamic Climate Projections Chosen Using Max-Stable Processes. Atmosphere, 2020, 11, 506.	2.3	8
1847	High Recovery of Saplings after Severe Drought in Temperate Deciduous Forests. Forests, 2020, 11, 546.	2.1	11
1848	Investigation of CO2 Variation and Mapping Through Wearable Sensing Techniques for Measuring Pedestrians' Exposure in Urban Areas. Sustainability, 2020, 12, 3936.	3.2	27
1849	Interdecadal variation in the frequency of extreme hot events in Northeast China and the possible mechanism. Atmospheric Research, 2020, 244, 105065.	4.1	23
1850	Predator cues increase negative effects of a simulated marine heatwave on tropical zooplankton. Journal of Experimental Marine Biology and Ecology, 2020, 530-531, 151415.	1.5	14
1851	The record-breaking heat wave of June 2019 in Central Europe. Atmospheric Science Letters, 2020, 21, e964.	1.9	45
1852	Space-Based Earth Observations for Disaster Risk Management. Surveys in Geophysics, 2020, 41, 1209-1235.	4.6	36
1853	Burrowing Owl (Athene cunicularia) nest phenology influenced by drought on nonbreeding grounds. Auk, 2020, 137, .	1.4	3
1854	Probabilistic Heat Wave Forecast Based on a Large-Scale Circulation Pattern Using the TIGGE Data. Weather and Forecasting, 2020, 35, 367-377.	1.4	3
1855	Spatial Characteristics of Heat Extremes in South Korea from the Climatological Mean Perspective. Atmosphere, 2020, 11, 250.	2.3	3
1856	Extreme weather affects colonization–extinction dynamics and the persistence of a threatened butterfly. Journal of Applied Ecology, 2020, 57, 1068-1077.	4.0	22
1857	Multi-model synthesis of future extreme temperature indices over Zambia. Modeling Earth Systems and Environment, 2020, 6, 743-757.	3.4	2
1858	Escalating global exposure to compound heat-humidity extremes with warming. Environmental Research Letters, 2020, 15, 064003.	5.2	89
1859	An Observational Case Study of Synergies between an Intense Heat Wave and the Urban Heat Island in Beijing. Journal of Applied Meteorology and Climatology, 2020, 59, 605-620.	1.5	43
1860	The trend of heatwave events in the Northern Hemisphere. Physics and Chemistry of the Earth, 2020, 116, 102855.	2.9	14

#	ARTICLE	IF	CITATIONS
1861	Impact of the 2018 European heatwave on lake surface water temperature. <i>Inland Waters</i> , 2020, 10, 322-332.	2.2	31
1862	Atmospheric Aridity and Apparent Soil Moisture Drought in European Forest During Heat Waves. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087091.	4.0	45
1863	The Impact of Climate Change on Mental Health: A Systematic Descriptive Review. <i>Frontiers in Psychiatry</i> , 2020, 11, 74.	2.6	433
1864	Accounting for stochasticity in demographic compensation along the elevational range of an alpine plant. <i>Ecology Letters</i> , 2020, 23, 870-880.	6.4	5
1865	Vulnerability of honey bee queens to heat-induced loss of fertility. <i>Nature Sustainability</i> , 2020, 3, 367-376.	23.7	59
1866	Future continental summer warming constrained by the present-day seasonal cycle of surface hydrology. <i>Scientific Reports</i> , 2020, 10, 4721.	3.3	22
1867	Combined effects of a simulated marine heatwave and an algal toxin on a tropical marine aquaculture fish cobia (<i>Rachycentron canadum</i>). <i>Aquaculture Research</i> , 2020, 51, 2535-2544.	1.8	20
1868	Decoupling of impact factors reveals the response of German winter wheat yields to climatic changes. <i>Global Change Biology</i> , 2020, 26, 3601-3626.	9.5	35
1869	Climatic Impacts on Basic Human Needs in the United States of America: A Panel Data Analysis. <i>Sustainability</i> , 2020, 12, 1508.	3.2	2
1870	Heat shock induced stress tolerance in plants: Physiological, biochemical, and molecular mechanisms of acquired tolerance. , 2020, , 161-174.		9
1871	Projection of heat wave in China under global warming targets of 1.5°C and 2°C by the ISIMIP models. <i>Atmospheric Research</i> , 2020, 244, 105057.	4.1	15
1872	Evaluation of Different Roof Materials for the Mitigation of Urban Warming in a Subtropical Monsoon Climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031972.	3.3	0
1873	Heat Vulnerability and Heat Island Mitigation in the United States. <i>Atmosphere</i> , 2020, 11, 558.	2.3	15
1874	Projection of Future Heat Waves in the United States. Part I: Selecting a Climate Model Subset. <i>Atmosphere</i> , 2020, 11, 587.	2.3	3
1875	Projected Future Temporal Trends of Two Different Urban Heat Islands in Athens (Greece) under Three Climate Change Scenarios: A Statistical Approach. <i>Atmosphere</i> , 2020, 11, 637.	2.3	17
1876	Health and economic impacts of air pollution induced by weather extremes over the continental U.S.. <i>Environment International</i> , 2020, 143, 105921.	10.0	21
1877	Meteorological information for climate-proof urban planning - The example of KLIMPRAX. <i>Urban Climate</i> , 2020, 32, 100614.	5.7	9
1878	Dynamical and thermodynamical drivers of variability in European summer heat extremes. <i>Climate Dynamics</i> , 2020, 54, 4351-4366.	3.8	49

#	ARTICLE	IF	CITATIONS
1879	Hotspots of extreme heat under global warming. <i>Climate Dynamics</i> , 2020, 55, 429-447.	3.8	39
1880	Simulated growth and reproduction of green turtles (<i>Chelonia mydas</i>) under climate change and marine heatwave scenarios. <i>Ecological Modelling</i> , 2020, 431, 109185.	2.5	30
1881	Mapping Urban Heat Vulnerability of Extreme Heat in Hangzhou via Comparing Two Approaches. <i>Complexity</i> , 2020, 2020, 1-16.	1.6	9
1882	Heat tolerance may determine activity time in coprophagic beetle species (Coleoptera: Scarabaeidae). <i>Insect Science</i> , 2021, 28, 1076-1086.	3.0	19
1883	Thermal acclimation offsets the negative effects of nitrate on aerobic scope and performance. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	15
1884	Relationship of surface urban heat island with air temperature and precipitation in global large cities. <i>Ecological Indicators</i> , 2020, 117, 106683.	6.3	39
1885	Heat related mortality in the two largest Belgian urban areas: A time series analysis. <i>Environmental Research</i> , 2020, 188, 109848.	7.5	18
1886	Impact of climate change on biology and management of wheat pests. <i>Crop Protection</i> , 2020, 137, 105304.	2.1	45
1887	Thermal traits for reproduction and recruitment differ between Arctic and Atlantic kelp <i>Laminaria digitata</i> . <i>PLoS ONE</i> , 2020, 15, e0235388.	2.5	19
1888	Keeping older individuals cool in hot and moderately humid conditions: wetted clothing with and without an electric fan. <i>Journal of Applied Physiology</i> , 2020, 128, 604-611.	2.5	24
1889	Global warming and shifts in cropping systems together reduce China's rice production. <i>Global Food Security</i> , 2020, 24, 100359.	8.1	58
1890	A Comparative Study of the Physiological and Socio-Economic Vulnerabilities to Heat Waves of the Population of the Metropolis of Lyon (France) in a Climate Change Context. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1004.	2.6	24
1891	Stimulation of Insect Herbivory by Elevated Temperature Outweighs Protection by the Jasmonate Pathway. <i>Plants</i> , 2020, 9, 172.	3.5	11
1892	Heat stress during development affects immunocompetence in workers, queens and drones of Africanized honey bees (<i>Apis mellifera</i> L.) (Hymenoptera: Apidae). <i>Journal of Thermal Biology</i> , 2020, 89, 102541.	2.5	18
1893	Heatwave and Blocking in the Northeastern Asia: Occurrence, Variability, and Association. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031627.	3.3	17
1894	Moist Heat Stress on a Hotter Earth. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 623-655.	11.0	104
1895	Impact of PDO and AMO on interdecadal variability in extreme high temperatures in North China over the most recent 40-year period. <i>Climate Dynamics</i> , 2020, 54, 3003-3020.	3.8	86
1896	Land use changes and effects on heat islands in the city. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 444, 012056.	0.3	2

#	ARTICLE	IF	CITATIONS
1897	Evaluation of hot temperature extremes and heat waves in the Mississippi River Basin. Atmospheric Research, 2020, 239, 104907.	4.1	34
1898	Assessing Changes in Characteristics of Hot Extremes Over India in a Warming Environment and their Driving Mechanisms. Scientific Reports, 2020, 10, 2631.	3.3	23
1899	Facultative hyperthermia during a heatwave delays injurious dehydration of an arboreal marsupial. Journal of Experimental Biology, 2020, 223, .	1.7	12
1900	Heatstroke recovery at home as predicted by human thermoregulation modeling. Building and Environment, 2020, 173, 106752.	6.9	15
1901	Observed and projected trends of extreme precipitation and maximum temperature during 1992â€“2100 in Isfahan province, Iran using REMO model and copula theory. Natural Resource Modelling, 2020, 33, .	2.0	5
1902	Marine Heatwaves in China's Marginal Seas and Adjacent Offshore Waters: Past, Present, and Future. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015801.	2.6	72
1903	Increased European heat waves in recent decades in response to shrinking Arctic sea ice and Eurasian snow cover. Npj Climate and Atmospheric Science, 2020, 3, .	6.8	85
1904	Climate Extremes and Compound Hazards in a Warming World. Annual Review of Earth and Planetary Sciences, 2020, 48, 519-548.	11.0	330
1905	Statistical Modelling of Temperature-Attributable Deaths in Portuguese Metropolitan Areas under Climate Change: Who Is at Risk?. Atmosphere, 2020, 11, 159.	2.3	10
1906	Mapping Heat Stress Vulnerability and Risk Assessment at the Neighborhood Scale to Drive Urban Adaptation Planning. Sustainability, 2020, 12, 1056.	3.2	32
1907	Effect of acute exposure to high ambient temperature on the thermal, metabolic and hygric physiology of a small desert bird. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 244, 110684.	1.8	17
1908	Thermal comfort and cooling strategies in the Brazilian Amazon. An assessment of the concept of fuel poverty in tropical climates.. Energy Policy, 2020, 139, 111256.	8.8	28
1909	Variations in start date, end date, frequency and intensity of yearly temperature extremes across China during the period 1961â€“2017. Environmental Research Letters, 2020, 15, 045007.	5.2	19
1910	Anthropogenically-driven increases in the risks of summertime compound hot extremes. Nature Communications, 2020, 11, 528.	12.8	146
1911	The characteristics of late summer extreme precipitation in northern China and associated large-scale circulations. International Journal of Climatology, 2020, 40, 5170-5187.	3.5	14
1912	Extreme mortality and reproductive failure of common murrelets resulting from the northeast Pacific marine heatwave of 2014-2016. PLoS ONE, 2020, 15, e0226087.	2.5	218
1913	Heatwaves and dengue outbreaks in Hanoi, Vietnam: New evidence on early warning. PLoS Neglected Tropical Diseases, 2020, 14, e0007997.	3.0	31
1914	Variations in seasonal (not mean) temperatures drive rapid adaptations to novel environments at a continent scale. Ecology, 2020, 101, e02973.	3.2	17

#	ARTICLE	IF	CITATIONS
1915	Narrating the impacts of climate change for urban health governance in Guangzhou, China. <i>Cities and Health</i> , 2021, 5, 240-255.	2.6	3
1916	Spatiotemporal patterns of water use efficiency in China and responses to multi-scale drought. <i>Theoretical and Applied Climatology</i> , 2020, 140, 559-570.	2.8	23
1917	Spatiotemporal variability of the annual and monthly extreme temperature indices in Nepal. <i>International Journal of Climatology</i> , 2020, 40, 4956-4977.	3.5	22
1918	Changing human-sensible temperature in Korea under a warmer monsoon climate over the last 100 years. <i>International Journal of Biometeorology</i> , 2020, 64, 729-738.	3.0	9
1919	Future extremes of temperature and precipitation in Europe derived from a combination of dynamical and statistical approaches. <i>International Journal of Climatology</i> , 2020, 40, 4800-4827.	3.5	37
1920	Human-biometeorological conditions during heat waves in Poland. <i>International Journal of Climatology</i> , 2020, 40, 5043-5055.	3.5	23
1921	Evaluation of selected global climate models for extreme temperature events over India. <i>Theoretical and Applied Climatology</i> , 2020, 140, 731-738.	2.8	9
1922	Performance of heat-health warning systems in Shanghai evaluated by using local heat-related illness data. <i>Science of the Total Environment</i> , 2020, 715, 136883.	8.0	14
1923	Spatiotemporal Evolution of Heat Wave Severity and Coverage Across the United States. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087097.	4.0	46
1924	Substantial Increase in the Joint Occurrence and Human Exposure of Heatwave and High-PM Hazards Over South Asia in the Mid-21st Century. <i>AGU Advances</i> , 2020, 1, e2019AV000103.	5.4	31
1925	Similarities and Differences in the Mechanisms Causing the European Summer Heatwaves in 2003, 2010, and 2018. <i>Earth's Future</i> , 2020, 8, e2019EF001386.	6.3	78
1926	Indexing of Heatwaves in Ukraine. <i>Water (Switzerland)</i> , 2020, 12, 962.	2.7	4
1927	Observed heatwave changes in arid northwest China: Physical mechanism and long-term trend. <i>Atmospheric Research</i> , 2020, 242, 105009.	4.1	47
1928	Effect of short-term high-temperatures on the growth, development and reproduction in the fruit fly, <i>Bactrocera tau</i> (Diptera: Tephritidae). <i>Scientific Reports</i> , 2020, 10, 6418.	3.3	17
1929	An analytical heat wave definition based on the impact on buildings and occupants. <i>Energy and Buildings</i> , 2020, 216, 109923.	6.7	11
1930	Assessment of climate change impact over California using dynamical downscaling with a bias correction technique: method validation and analyses of summertime results. <i>Climate Dynamics</i> , 2020, 54, 3705-3728.	3.8	9
1931	Record-breaking heat wave in southern China and delayed onset of South China Sea summer monsoon driven by the Pacific subtropical high. <i>Climate Dynamics</i> , 2020, 54, 3751-3764.	3.8	29
1932	Host plant-related responses on the thermal fitness of <i>Chilo partellus</i> (Swinhoe) (Lepidoptera: Tj ETQq1 1 0.784314,rgBT /Oyerlock 10	1.1	10

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1933	Impact of a simulated marine heatwave in the hematological profile of a temperate shark (Scyliorhinus) Tj ETQq0 0 0.rgBT /Oyerklock 10	6.3	0
1934	The critical role of humidity in modeling summer electricity demand across the United States. Nature Communications, 2020, 11, 1686.	12.8	51
1935	Event-Based Heat-Related Risk Assessment Model for South Korea Using Maximum Perceived Temperature, Wet-Bulb Globe Temperature, and Air Temperature Data. International Journal of Environmental Research and Public Health, 2020, 17, 2631.	2.6	13
1936	The Impact of Non-optimum Ambient Temperature on Years of Life Lost: A Multi-county Observational Study in Hunan, China. International Journal of Environmental Research and Public Health, 2020, 17, 2699.	2.6	10
1937	Impacts of global environmental change drivers on non-structural carbohydrates in terrestrial plants. Functional Ecology, 2020, 34, 1525-1536.	3.6	44
1938	Heatwave duration: Characterizations using probabilistic inference. Environmetrics, 2020, 31, e2626.	1.4	4
1939	Climate change-induced human conflicts and economic costs in Pakistani Punjab. Environmental Science and Pollution Research, 2020, 27, 24299-24311.	5.3	6
1940	Green nephrology and eco-dialysis: a position statement by the Italian Society of Nephrology. Journal of Nephrology, 2020, 33, 681-698.	2.0	44
1941	Gene expression differences between abalone that are susceptible and resilient to a simulated heat wave event. Aquaculture, 2020, 526, 735317.	3.5	7
1942	Trends in mean performance and stability of winter wheat and winter rye yields in a long-term series of variety trials. Field Crops Research, 2020, 252, 107792.	5.1	22
1943	Comparison of regional and urban outdoor thermal stress conditions in heatwave and normal summer periods: A case study. Urban Climate, 2020, 32, 100619.	5.7	24
1944	Public Health Implications of Solar UV Exposure during Extreme Cold and Hot Weather Episodes in 2018 in Chilton, South East England. Journal of Environmental and Public Health, 2020, 2020, 1-9.	0.9	22
1945	Prolamin Content and Grain Weight in RNAi Silenced Wheat Lines Under Different Conditions of Temperature and Nitrogen Availability. Frontiers in Plant Science, 2020, 11, 314.	3.6	8
1946	A population-based case-control study of the association between weather-related extreme heat events and low birthweight. Journal of Developmental Origins of Health and Disease, 2021, 12, 335-342.	1.4	9
1947	Real-time warming of Alpine streams: (re)defining invertebrates' temperature preferences. River Research and Applications, 2021, 37, 283-293.	1.7	31
1948	Non-stationary climate changes in summer high-temperature extremes in Shanghai since the late 19th century. International Journal of Climatology, 2021, 41, E718.	3.5	3
1949	Time-cumulative effects of neonicotinoid exposure, heatwaves and food limitation on stream mayfly nymphs: A multiple-stressor experiment. Science of the Total Environment, 2021, 754, 141941.	8.0	23
1950	Associations of extreme temperatures with hospitalizations and post-discharge deaths for stroke: What is the role of pre-existing hyperlipidemia?. Environmental Research, 2021, 193, 110391.	7.5	13

#	ARTICLE	IF	CITATIONS
1951	Interaction between heat wave and urban heat island: A case study in a tropical coastal city, Singapore. <i>Atmospheric Research</i> , 2021, 247, 105134.	4.1	62
1953	Thermal variability during ectotherm egg incubation: A synthesis and framework. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2021, 335, 59-71.	1.9	20
1954	Lower bioenergetic costs but similar immune responsiveness under a heat wave in urban compared to rural damselflies. <i>Evolutionary Applications</i> , 2021, 14, 24-35.	3.1	18
1955	Change in the heatwave statistical characteristics over China during the climate warming slowdown. <i>Atmospheric Research</i> , 2021, 247, 105152.	4.1	15
1956	Drivers of future water demand in Sydney, Australia: examining the contribution from population and climate change. <i>Journal of Water and Climate Change</i> , 2021, 12, 1168-1183.	2.9	5
1957	An accentuated "hot blob" over Vidarbha, India, during the pre-monsoon season. <i>Natural Hazards</i> , 2021, 105, 1359-1373.	3.4	8
1958	Indian summer monsoon variability in northeastern India during the last two millennia. <i>Quaternary International</i> , 2021, 571, 73-80.	1.5	17
1959	Towards more intimacy: moderate elevation of temperature drives increases in foraging and mutualistic interactions between <i>Lasius niger</i> and <i>Aphis fabae</i> . <i>Ecological Entomology</i> , 2021, 46, 406-418.	2.2	5
1960	Urbanization mediates the effects of water quality and climate on a model aerial insectivorous bird. <i>Ecological Monographs</i> , 2021, 91, e01442.	5.4	8
1961	Response of summer extreme precipitation over East Asia during the mid-Holocene versus future global warming. <i>Global and Planetary Change</i> , 2021, 197, 103398.	3.5	13
1962	Impact of Climate Change on Hydrology and Hydrologic Extremes of Upper Blue Nile River Basin. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, 04020104.	2.6	11
1963	Impaired autophagy following ex vivo heating at physiologically relevant temperatures in peripheral blood mononuclear cells from elderly adults. <i>Journal of Thermal Biology</i> , 2021, 95, 102790.	2.5	9
1964	The future urban heat-wave challenge in Africa: Exploratory analysis. <i>Global Environmental Change</i> , 2021, 66, 102190.	7.8	31
1965	Is Urban Heat Island intensity higher during hot spells and heat waves (Dijon, France, 2014–2019)? <i>Urban Climate</i> , 2021, 35, 100747.	5.7	41
1966	Modeling and projecting health-relevant combined ozone and temperature events in present and future Central European climate. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 563-580.	3.3	5
1967	Host plant diet affects growth and induces altered gene expression and microbiome composition in the wood white (<i>Leptidea sinapis</i>) butterfly. <i>Molecular Ecology</i> , 2021, 30, 499-516.	3.9	17
1968	Global response of terrestrial gross primary productivity to climate extremes. <i>Science of the Total Environment</i> , 2021, 750, 142337.	8.0	32
1969	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.	4.8	16

#	ARTICLE	IF	CITATIONS
1970	Analyzing the local and climatic conditions affecting the urban overheating magnitude during the Heatwaves (HWs) in a coastal city: A case study of the greater Sydney region. <i>Science of the Total Environment</i> , 2021, 755, 142515.	8.0	20
1971	Human health outcomes at the neighbourhood scale implications: Elderly's heat-related cardiorespiratory mortality and its influencing factors. <i>Science of the Total Environment</i> , 2021, 760, 144036.	8.0	9
1972	Increase in Compound Drought and Heatwaves in a Warming World. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	134
1973	Cardiovascular control during heat stress in older adults: time for an update. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H411-H416.	3.2	11
1974	Mating under climate change: Impact of simulated heatwaves on the reproduction of model pollinators. <i>Functional Ecology</i> , 2021, 35, 739-752.	3.6	29
1975	Global effects of extreme temperatures on wild bumblebees. <i>Conservation Biology</i> , 2021, 35, 1507-1518.	4.7	64
1976	Complex Networks Reveal Heatwave Patterns and Propagations Over the USA. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090411.	4.0	20
1977	The physiological ups and downs of thermal variability in temperate freshwater ecosystems. <i>Journal of Fish Biology</i> , 2021, 98, 1524-1535.	1.6	30
1978	Eco-physiological responses of ‘Campbell Early’™ and ‘Jinok’™ grape vines of two regions affected by different climatic conditions. <i>Horticulture Environment and Biotechnology</i> , 2021, 62, 159-168.	2.1	2
1979	On the linkage between urban heat island and urban pollution island: Three-decade literature review towards a conceptual framework. <i>Science of the Total Environment</i> , 2021, 751, 141727.	8.0	212
1980	Phenotypic flexibility in heat production and heat loss in response to thermal and hydric acclimation in the zebra finch, a small arid-zone passerine. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 225-239.	1.5	17
1981	Future surface temperature changes for the Iberian Peninsula according to EURO-CORDEX climate projections. <i>Climate Dynamics</i> , 2021, 56, 123-138.	3.8	22
1982	An arbuscular mycorrhizal fungus alters switchgrass growth, root architecture, and cell wall chemistry across a soil moisture gradient. <i>Mycorrhiza</i> , 2021, 31, 251-258.	2.8	28
1983	Different changes in dry and humid heat waves over <scp>China</scp>. <i>International Journal of Climatology</i> , 2021, 41, 1369-1382.	3.5	21
1984	Survive a Warming Climate: Insect Responses to Extreme High Temperatures. <i>Annual Review of Entomology</i> , 2021, 66, 163-184.	11.8	157
1985	Acclimation of photosynthetic processes and metabolic responses to elevated temperatures in cereals. <i>Physiologia Plantarum</i> , 2021, 171, 217-231.	5.2	7
1987	Spatial modelling of wildfire hotspots and their key drivers across districts of Zimbabwe, Southern Africa. <i>Geocarto International</i> , 2021, 36, 874-887.	3.5	14
1988	Characteristics Analysis and Synoptic Features of Event-Based Regional Heatwaves Over China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033865.	3.3	9

#	ARTICLE	IF	CITATIONS
1989	Chapter 7 Tree Physiology and Intraspecific Responses to Extreme Events: Insights from the Most Extreme Heat Year in U.S. History. <i>Advances in Photosynthesis and Respiration</i> , 2021, , 171-190.	1.0	0
1990	Developmental biology and seasonal phenology of <i>Acanthocnema dobsoni</i> (Hemiptera: Triozidae) and the influence of climate-mediated changes in body size on vibrational signals. <i>Austral Entomology</i> , 2021, 60, 234-243.	1.4	2
1991	Barley. , 2021, , 164-195.		6
1992	Characterization of the 2017 Summer Heat Waves and Their Effects on the Population of an Area of Southern Italy. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 970.	2.6	5
1993	Symbiosis in a Rapidly Changing World. <i>Advances in Environmental Microbiology</i> , 2021, , 263-296.	0.3	1
1994	Three-Dimensional Printable Nanoporous Polymer Matrix Composites for Daytime Radiative Cooling. <i>Nano Letters</i> , 2021, 21, 1493-1499.	9.1	102
1995	Nutrient Loading, Temperature and Heat Wave Effects on Nutrients, Oxygen and Metabolism in Shallow Lake Mesocosms Pre-Adapted for 11 Years. <i>Water (Switzerland)</i> , 2021, 13, 127.	2.7	10
1996	Spatiotemporal Variation of Water Use Efficiency and Its Influencing Factors in Arid and Semi-Arid Areas of China. <i>Geographical Science Research</i> , 2021, 10, 126-136.	0.1	1
1997	Selection of the best fit probability distributions for temperature data and the use of L-moment ratio diagram method: a case study for NSW in Australia. <i>Theoretical and Applied Climatology</i> , 2021, 143, 1261-1284.	2.8	11
1998	Swine hemorrhagic shock model and pathophysiological changes in a desert dry-heat environment. <i>PLoS ONE</i> , 2021, 16, e0244727.	2.5	3
1999	Projected Trends of Wintertime North American Surface Mean and Extreme Temperatures over the Next Half-century in Two Generations of Canadian Earth System Models. <i>Atmosphere - Ocean</i> , 2021, 59, 53-75.	1.6	2
2000	Potential Dust Induced Changes on the Seasonal Variability of Temperature Extremes Over the Sahel: A Regional Climate Modeling Study. <i>Frontiers in Earth Science</i> , 2021, 8, .	1.8	3
2001	Future Changes in Extreme High Temperature over China at 1.5°C–5°C Global Warming Based on CMIP6 Simulations. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 253-267.	4.3	52
2002	Future Heat Risk in South Asia and the Need for Ecosystem Mitigation. <i>Disaster and Risk Research: GADRI Book Series</i> , 2021, , 225-252.	0.1	1
2003	Species-specific growth-climate responses of Dahurian larch (<i>Larix gmelinii</i>) and Mongolian pine (<i>Pinus sylvestris</i> var. <i>mongolica</i>) in the Greater Khingan Range, northeast China. <i>Dendrochronologia</i> , 2021, 65, 125803.	2.2	12
2004	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.	3.2	15
2005	Heat Waves, Climate Change, and Economic Output. <i>Journal of the European Economic Association</i> , 2021, 19, 2658-2694.	3.5	30
2006	Spatiotemporal Features of Storm Surge Activity and Its Response to Climate Change in the Southeastern Coastal Area of China in the Past 60 Years. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033234.	3.3	6

#	ARTICLE	IF	CITATIONS
2007	Human-Perceived Temperature Changes in South Korea and Their Association with Atmospheric Circulation Patterns. <i>Journal of Climate</i> , 2021, 34, 1273-1290.	3.2	6
2008	Extreme weather events and dengue outbreaks in Guangzhou, China: a time-series quasi-binomial distributed lag non-linear model. <i>International Journal of Biometeorology</i> , 2021, 65, 1033-1042.	3.0	19
2009	Recent increasing frequency of compound summer drought and heatwaves in Southeast Brazil. <i>Environmental Research Letters</i> , 2021, 16, 034036.	5.2	88
2010	Feeding rate and efficiency in an apex soil predator exposed to short-term temperature changes. <i>Basic and Applied Ecology</i> , 2021, 50, 87-96.	2.7	6
2011	Evaluation of <i>Triticum durum</i> and <i>Aegilops tauschii</i> derived primary synthetics as potential sources of heat stress tolerance for wheat improvement. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2021, 19, 74-89.	0.8	5
2012	A new view of heat wave dynamics and predictability over the eastern Mediterranean. <i>Earth System Dynamics</i> , 2021, 12, 133-149.	7.1	17
2013	Extreme climate projections under representative concentration pathways in the Lower Songkhram River Basin, Thailand. <i>Heliyon</i> , 2021, 7, e06146.	3.2	8
2014	Land use/land cover change, physico-chemical parameters and freshwater snails in Yewa North, Southwestern Nigeria. <i>PLoS ONE</i> , 2021, 16, e0246566.	2.5	7
2015	Evaluating Forest Visitors' Place Attachment, Recreational Activities, and Travel Intentions under Different Climate Scenarios. <i>Forests</i> , 2021, 12, 171.	2.1	20
2016	Forest microclimates and climate change: Importance, drivers and future research agenda. <i>Global Change Biology</i> , 2021, 27, 2279-2297.	9.5	330
2017	Utilizing world urban database and access portal tools (WUDAPT) and machine learning to facilitate spatial estimation of heatwave patterns. <i>Urban Climate</i> , 2021, 36, 100797.	5.7	10
2018	Transcriptome profiling of <i>Lymnaea stagnalis</i> (Gastropoda) for ecoimmunological research. <i>BMC Genomics</i> , 2021, 22, 144.	2.8	22
2019	Hot Days and Heat Waves in Poland in the Period 1951–2019 and the Circulation Factors Favoring the Most Extreme of Them. <i>Atmosphere</i> , 2021, 12, 340.	2.3	14
2020	Effect of extreme temperatures on daily emergency room visits for mental disorders. <i>Environmental Science and Pollution Research</i> , 2021, 28, 39243-39256.	5.3	20
2021	Early developmental stages of native populations of <i>Ciona intestinalis</i> under increased temperature are affected by local habitat history. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	3
2022	Avoiding a conservation pitfall: Considering the risks of unsuitably hot bat boxes. <i>Conservation Science and Practice</i> , 2021, 3, e412.	2.0	14
2023	Wintertime Cold Extremes in Northeast China and Their Linkage with Sea Ice in Barents-Kara Seas. <i>Atmosphere</i> , 2021, 12, 386.	2.3	4
2024	Trees at the Amazonia-Cerrado transition are approaching high temperature thresholds. <i>Environmental Research Letters</i> , 2021, 16, 034047.	5.2	19

#	ARTICLE	IF	CITATIONS
2025	Long-term patterns of mass stranding of the colonial cnidarian <i>Velella velella</i> : influence of environmental forcing. <i>Marine Ecology - Progress Series</i> , 2021, 662, 69-83.	1.9	7
2026	Review of heat wave studies and related urban policies in South Asia. <i>Urban Climate</i> , 2021, 36, 100777.	5.7	25
2027	Multidimensional analysis of global climate change: a review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24872-24888.	5.3	57
2028	Heat Waves Alter Macrophyte-Derived Detrital Nutrients Release under Future Climate Warming Scenarios. <i>Environmental Science & Technology</i> , 2021, 55, 5272-5281.	10.0	7
2029	A postbiotic from <i>Aspergillus oryzae</i> attenuates the impact of heat stress in ectothermic and endothermic organisms. <i>Scientific Reports</i> , 2021, 11, 6407.	3.3	14
2030	Spatial Modeling and Analysis of Heat-Related Morbidity in Maricopa County, Arizona. <i>Journal of Urban Health</i> , 2021, 98, 344-361.	3.6	12
2031	Climate anomalies and childhood growth in Peru. <i>Population and Environment</i> , 2021, 43, 39-60.	3.0	4
2032	Coincidence of temperature extremes and phenological events of grapevines. <i>Oeno One</i> , 2021, 55, 367-383.	1.4	4
2033	Assessment of urban surface and canopy cooling strategies in high-rise residential communities. <i>Journal of Cleaner Production</i> , 2021, 288, 125599.	9.3	20
2034	Estimating summertime heat stress in a tropical Indian city using Local Climate Zone (LCZ) framework. <i>Urban Climate</i> , 2021, 36, 100784.	5.7	32
2035	Characterizing Mean and Extreme Diurnal Variability of Ocean CO ₂ System Variables Across Marine Environments. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090228.	4.0	23
2036	Fertility and mortality impacts of thermal stress from experimental heatwaves on different life stages and their recovery in a model insect. <i>Royal Society Open Science</i> , 2021, 8, 201717.	2.4	54
2037	Observed Decrease in Soil and Atmosphere Temperature Coupling in Recent Decades Over Northern Eurasia. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092500.	4.0	1
2038	Amplified Increases of Compound Hot Extremes Over Urban Land in China. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091252.	4.0	28
2039	Comparison of Regional Climate Model Performances for Different Types of Heat Waves over South Korea. <i>Journal of Climate</i> , 2021, 34, 2157-2174.	3.2	9
2040	Study on Heatwave Disaster Prevention and Control Planning System—Enlightenment of Major Countries in the World. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 696, 012025.	0.3	1
2041	Anomalous moisture sources of the Rhine basin during the extremely dry summers of 2003 and 2018. <i>Weather and Climate Extremes</i> , 2021, 31, 100302.	4.1	4
2042	Impact of OA on the Temperature Dependence of PM 2.5 in the Los Angeles Basin. <i>Environmental Science & Technology</i> , 2021, 55, 3549-3558.	10.0	23

#	ARTICLE	IF	CITATIONS
2043	Modulating influence of drought on the synergy between heatwaves and dead fine fuel moisture content of bushfire fuels in the Southeast Australian region. <i>Weather and Climate Extremes</i> , 2021, 31, 100300.	4.1	24
2044	Effects of shading and composition on green roof media temperature and moisture. <i>Journal of Environmental Management</i> , 2021, 281, 111882.	7.8	14
2046	Substantial Climate Response outside the Target Area in an Idealized Experiment of Regional Radiation Management. <i>Climate</i> , 2021, 9, 66.	2.8	2
2047	Ethical dilemmas and validity issues related to the use of new cooling technologies and early recognition of exertional heat illness in sport. <i>BMJ Open Sport and Exercise Medicine</i> , 2021, 7, e001041.	2.9	6
2048	Effect of marine heatwaves on bloom formation of the harmful dinoflagellate <i>Cochlodinium polykrikoides</i> : Two sides of the same coin?. <i>Harmful Algae</i> , 2021, 104, 102029.	4.8	11
2049	Underappreciated plant vulnerabilities to heat waves. <i>New Phytologist</i> , 2021, 231, 32-39.	7.3	91
2050	Male fertility thermal limits predict vulnerability to climate warming. <i>Nature Communications</i> , 2021, 12, 2214.	12.8	63
2051	A novel mouse model of heatstroke accounting for ambient temperature and relative humidity. <i>Journal of Intensive Care</i> , 2021, 9, 35.	2.9	11
2053	Seasonal Photophysiological Performance of Adult Western Baltic <i>Fucus vesiculosus</i> (Phaeophyceae) Under Ocean Warming and Acidification. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	7
2054	Disentangling dynamical and thermodynamical contributions to the record-breaking heatwave over Central Europe in June 2019. <i>Atmospheric Research</i> , 2021, 252, 105446.	4.1	17
2056	Investigating the influence of synoptic circulation patterns on regional dry and moist heat waves in North China. <i>Climate Dynamics</i> , 2021, 57, 1227-1240.	3.8	13
2057	A Comparative Assessment of Cooling Center Preparedness across Twenty-Five U.S. Cities. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4801.	2.6	13
2058	Interannual variability of mid-summer heat wave frequency over the Sichuan Basin. <i>International Journal of Climatology</i> , 2021, 41, 5036-5050.	3.5	8
2059	Developing and Validating Heat Exposure Products Using the U.S. Climate Reference Network. <i>Journal of Applied Meteorology and Climatology</i> , 2021, 60, 543-558.	1.5	6
2060	Effects of Heat Waves During Post-natal Development on Mitochondrial and Whole Body Physiology: An Experimental Study in Zebra Finches. <i>Frontiers in Physiology</i> , 2021, 12, 661670.	2.8	11
2061	Influence of projected climate change, urban development and heat adaptation strategies on end of twenty-first century urban boundary layers across the Conterminous US. <i>Climate Dynamics</i> , 2021, 57, 757-773.	3.8	2
2062	Regulation of Osmotic Balance and Increased Antioxidant Activities under Heat Stress in <i>Abelmoschus esculentus</i> L. Triggered by Exogenous Proline Application. <i>Agronomy</i> , 2021, 11, 685.	3.0	16
2063	Diminished growth and vitality in juvenile <i>Hydractinia echinata</i> under anticipated future temperature and variable nutrient conditions. <i>Scientific Reports</i> , 2021, 11, 7483.	3.3	1

#	ARTICLE	IF	CITATIONS
2064	Cavitation fatigue in conifers: a study on eight European species. <i>Plant Physiology</i> , 2021, 186, 1580-1590.	4.8	11
2065	Intensifying Australian Heatwave Trends and Their Sensitivity to Observational Data. <i>Earth's Future</i> , 2021, 9, e2020EF001924.	6.3	32
2066	Preventive Effects of <i>Bacillus licheniformis</i> on Heat Stroke in Rats by Sustaining Intestinal Barrier Function and Modulating Gut Microbiota. <i>Frontiers in Microbiology</i> , 2021, 12, 630841.	3.5	13
2067	Projection of future drought and extreme events occurrence in Goodwater Creek Experimental Watershed, Midwestern US. <i>Hydrological Sciences Journal</i> , 2021, 66, 1045-1058.	2.6	5
2068	Identifying the dominant driving factors of heat waves in the North China Plain. <i>Atmospheric Research</i> , 2021, 252, 105458.	4.1	32
2069	Flexible Workflow for Determining Critical Hazard and Exposure Scenarios for Assessing SLODs Risk in Urban Built Environments. <i>Sustainability</i> , 2021, 13, 4538.	3.2	4
2070	When it's hot and dry: life-history strategy influences the effects of heat waves and water limitation. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	11
2071	Heat stress resistance drives coordination of emissions of suites of volatiles after severe heat stress and during recovery in five tropical crops. <i>Environmental and Experimental Botany</i> , 2021, 184, 104375.	4.2	11
2073	Urban Heat Islands during Heat Waves: A Comparative Study between Boston and Phoenix. <i>Journal of Applied Meteorology and Climatology</i> , 2021, 60, 621-641.	1.5	18
2074	Oxidative stress in response to heat stress in wild caught Namaqua rock mice, <i>Micaelamys namaquensis</i> . <i>Journal of Thermal Biology</i> , 2021, 98, 102958.	2.5	5
2075	Assessing ENSO Summer Teleconnections, Impacts, and Predictability in North America. <i>Journal of Climate</i> , 2021, 34, 3629-3643.	3.2	10
2076	50 Grades of Shade. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1805-E1820.	3.3	44
2077	Skillful Subseasonal Prediction of United States Extreme Warm Days and Standardized Precipitation Index in Boreal Summer. <i>Journal of Climate</i> , 2021, , 1-34.	3.2	4
2078	Urban Heat Islands and Thermal Comfort: A Case Study of Zorrotzaurre Island in Bilbao. <i>Sustainability</i> , 2021, 13, 6106.	3.2	7
2079	Seagrasses in an era of ocean warming: a review. <i>Biological Reviews</i> , 2021, 96, 2009-2030.	10.4	47
2080	Body size and shape responses to warming and resource competition. <i>Functional Ecology</i> , 2021, 35, 1460-1469.	3.6	16
2082	Shifting access to pools of shoot water sustains gas exchange and increases stem hydraulic safety during seasonal atmospheric drought. <i>Plant, Cell and Environment</i> , 2021, 44, 2898-2911.	5.7	17
2083	Feedback attribution to dry heatwaves over East Asia. <i>Environmental Research Letters</i> , 2021, 16, 064003.	5.2	21

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2084	Projected changes in Rhine River flood seasonality under global warming. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 2353-2371.	4.9	19
2085	Predicting city-scale daily electricity consumption using data-driven models. <i>Advances in Applied Energy</i> , 2021, 2, 100025.	13.2	52
2086	How to stand the heat? Post-stress nutrition and developmental stage determine insect response to a heat wave. <i>Journal of Insect Physiology</i> , 2021, 131, 104214.	2.0	10
2087	Climatic change and extinction risk of two globally threatened Ethiopian endemic bird species. <i>PLoS ONE</i> , 2021, 16, e0249633.	2.5	14
2088	Traits as determinants of species abundance in a grassland community. <i>Journal of Vegetation Science</i> , 2021, 32, e13041.	2.2	8
2089	Extreme weather conditions and dengue outbreak in Guangdong, China: Spatial heterogeneity based on climate variability. <i>Environmental Research</i> , 2021, 196, 110900.	7.5	15
2090	Heat risk of residents in different types of communities from urban heat-exposed areas. <i>Science of the Total Environment</i> , 2021, 768, 145052.	8.0	29
2091	The direct and indirect effects of extreme climate events on insects. <i>Science of the Total Environment</i> , 2021, 769, 145161.	8.0	34
2092	Complex delayed and transgenerational effects driven by the interaction of heat and insecticide in the maternal generation of the wheat aphid, <i>Sitobion avenae</i> . <i>Pest Management Science</i> , 2021, 77, 4453-4461.	3.4	6
2093	Seasonal variation in the effects of urban environmental factors on land surface temperature in a winter city. <i>Journal of Cleaner Production</i> , 2021, 299, 126897.	9.3	36
2094	Complexifying the urban lawn improves heat mitigation and arthropod biodiversity. <i>Urban Forestry and Urban Greening</i> , 2021, 60, 127007.	5.3	21
2095	An Extreme Heat Event Induced by Typhoon Lekima (2019) and Its Contributing Factors. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034760.	3.3	6
2096	Scaling up high-throughput phenotyping for abiotic stress selection in the field. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1845-1866.	3.6	26
2097	Impacts of Continuously Increasing Urbanization Ratios on Warming Rates and Temperature Extremes Observed Over the Beijing Area. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034536.	3.3	6
2098	Sahelian Heat Wave Characterization From Observational Data Sets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034465.	3.3	2
2099	High ambient temperature and child emergency and hospital visits in New York City. <i>Paediatric and Perinatal Epidemiology</i> , 2022, 36, 36-44.	1.7	11
2100	Short-term effects of ambient temperature and pollutants on the mortality of respiratory diseases: A time-series analysis in Hefei, China. <i>Ecotoxicology and Environmental Safety</i> , 2021, 215, 112160.	6.0	23
2101	Wearable sensing techniques to understand pedestrian-level outdoor microclimate affecting heat related risk in urban parks. <i>Solar Energy</i> , 2022, 242, 397-412.	6.1	9

#	ARTICLE	IF	CITATIONS
2102	Intraspecific variation in leaf traits facilitates the occurrence of trees at the Amazonia–Cerrado transition. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2021, 279, 151829.	1.2	11
2103	A Recent Increase in Long-Lived Heatwaves in China Under the Joint Influence of South Asia and Western North Pacific Subtropical Highs. <i>Journal of Climate</i> , 2021, , 1-42.	3.2	8
2104	Combined Effect of Hot Weather and Outdoor Air Pollution on Respiratory Health: Literature Review. <i>Atmosphere</i> , 2021, 12, 790.	2.3	41
2105	Biochemical response of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> mosquitoes after exposure to thermal stress and toxin of <i>Bacillus thuringiensis israelensis</i> . <i>International Journal of Tropical Insect Science</i> , 0, , 1.	1.0	1
2106	Spatial and temporal scales of exposure and sensitivity drive mortality risk patterns across life stages. <i>Ecosphere</i> , 2021, 12, e03552.	2.2	2
2107	Future heat stress to reduce people’s purchasing power. <i>PLoS ONE</i> , 2021, 16, e0251210.	2.5	11
2108	Changes in regional wet heatwave in Eurasia during summer (1979–2017). <i>Environmental Research Letters</i> , 2021, 16, 064094.	5.2	18
2109	Large model structural uncertainty in global projections of urban heat waves. <i>Nature Communications</i> , 2021, 12, 3736.	12.8	27
2110	Synergistic Influence of Local Climate Zones and Wind Speeds on the Urban Heat Island and Heat Waves in the Megacity of Beijing, China. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	29
2111	Informing the planning of rotating power outages in heat waves through data analytics of connected smart thermostats for residential buildings. <i>Environmental Research Letters</i> , 2021, 16, 074003.	5.2	12
2112	Heat risk assessment based on mobile phone data: case study of Bratislava, Slovakia. <i>Natural Hazards</i> , 2021, 108, 3099-3120.	3.4	6
2113	Low-temperature tolerance in coprophagic beetle species (Coleoptera: Scarabaeidae): implications for ecological services. <i>Ecological Entomology</i> , 2021, 46, 1101-1112.	2.2	7
2114	Sex differences in temperature-related all-cause mortality in the Netherlands. <i>International Archives of Occupational and Environmental Health</i> , 2022, 95, 249-258.	2.3	13
2115	Three distinct atmospheric circulation patterns associated with high temperature extremes in South Korea. <i>Scientific Reports</i> , 2021, 11, 12911.	3.3	8
2116	The effect of aggression II: Acclimation to a high ambient temperature reduces territorial aggression in male striped hamsters (<i>Cricetulus barabensis</i>). <i>Hormones and Behavior</i> , 2021, 132, 104993.	2.1	1
2117	An adaptation strategy to urban heat: hospital rooms with radiant cooling accelerate patient recovery. <i>ERJ Open Research</i> , 2021, 7, 00881-2020.	2.6	5
2118	Heatwaves in Southeast Asia and Their Changes in a Warmer World. <i>Earth's Future</i> , 2021, 9, e2021EF001992.	6.3	43
2119	First evidence for thermal tolerance benefits of the bacterial symbiont <i>Cardinium</i> in an invasive whitefly, <i>Bemisia tabaci</i> . <i>Pest Management Science</i> , 2021, 77, 5021-5031.	3.4	21

#	ARTICLE	IF	CITATIONS
2120	Thermal limits and preferences of large branchiopods (Branchiopoda: Anostraca and Spinicaudata) from temporary wetland arid zone systems. <i>Journal of Thermal Biology</i> , 2021, 99, 102997.	2.5	2
2121	Future Climate Change Impact on Urban Heat Island in Two Mediterranean Cities Based on High-Resolution Regional Climate Simulations. <i>Atmosphere</i> , 2021, 12, 884.	2.3	17
2122	Negative relationship between thermal tolerance and plasticity in tolerance emerges during experimental evolution in a widespread marine invertebrate. <i>Evolutionary Applications</i> , 2021, 14, 2114-2123.	3.1	21
2123	Phenotypic plasticity in relation to inter-cultivar variation of garlic (<i>Allium sativum</i> L.) functional performance and yield-stability in response to water availability. <i>Scientia Horticulturae</i> , 2021, 285, 110128.	3.6	5
2124	Assessing the Impact of Extreme Temperature Conditions on Social Vulnerability. <i>Sustainability</i> , 2021, 13, 8510.	3.2	4
2125	Dynamic synchronization of extreme heat in complex climate networks in the contiguous United States. <i>Urban Climate</i> , 2021, 38, 100909.	5.7	6
2126	Large-scale circulation features responsible for different types of extreme high temperatures with extreme coverage over South China. <i>International Journal of Climatology</i> , 2022, 42, 974-992.	3.5	8
2127	Increasing probability of record-shattering climate extremes. <i>Nature Climate Change</i> , 2021, 11, 689-695.	18.8	224
2128	Characteristics of Prehospital Heat Illness Cases During the Annual Heat Wave Period in Telangana, India. <i>Prehospital and Disaster Medicine</i> , 2021, 36, 385-392.	1.3	2
2129	Diversity in the chemical composition and digestibility of leaves from fifty woody species in temperate areas. <i>Agroforestry Systems</i> , 2021, 95, 1295-1308.	2.0	4
2130	Effects of short-term physiological and psychological adaptation on summer thermal comfort of outdoor exercising people in China. <i>Building and Environment</i> , 2021, 198, 107877.	6.9	37
2131	The Effects of Extreme High Temperature Day-Off on Electricity Conservation. <i>Weather, Climate, and Society</i> , 2021, , .	1.1	0
2132	Comparing probabilistic forecasts of the daily minimum and maximum temperature. <i>International Journal of Forecasting</i> , 2021, 38, 267-267.	6.5	0
2133	Near-term regional climate change over Bangladesh. <i>Climate Dynamics</i> , 2021, 57, 3055-3073.	3.8	11
2134	Modelling the spatial pattern of heatwaves in the city of Bern using a land use regression approach. <i>Urban Climate</i> , 2021, 38, 100885.	5.7	11
2135	Late-stage pregnancy reduces upper thermal tolerance in a live-bearing fish. <i>Journal of Thermal Biology</i> , 2021, 99, 103022.	2.5	7
2136	Impact of green roofs on heavy rainfall in tropical, coastal urban area. <i>Environmental Research Letters</i> , 2021, 16, 074051.	5.2	6
2137	Increasing Human-Perceived Heat Stress Risks Exacerbated by Urbanization in China: A Comparative Study Based on Multiple Metrics. <i>Earth's Future</i> , 2021, 9, e2020EF001848.	6.3	67

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2138	Specificity of Meteorological and Biometeorological Conditions in Central Europe in Centre of Urban Areas in June 2019 (Bydgoszcz, Poland). <i>Atmosphere</i> , 2021, 12, 1002.	2.3	1
2140	Record-breaking high temperature in Southern China in 2017 and influence from the middle-latitude trough over the East of Japan. <i>Atmospheric Research</i> , 2021, 258, 105615.	4.1	2
2141	Woody encroachment of grasslands: Near-surface thermal implications assessed through the lens of an astronomical event. <i>Ecology and Evolution</i> , 2021, 11, 12886-12901.	1.9	2
2142	Large Future Increase in Exposure Risks of Extreme Heat Within Southern China Under Warming Scenario. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	5
2143	Short-term intensive warming shifts predator communities (Parasitiformes: Mesostigmata) in boreal forest soils. <i>Pedobiologia</i> , 2021, 87-88, 150742.	1.2	1
2144	Possible impacts of anomalous Arctic sea ice melting on summer atmosphere. <i>International Journal of Climatology</i> , 2022, 42, 1818-1827.	3.5	17
2145	Potential adverse health consequences of climate change related to rheumatic diseases. <i>The Journal of Climate Change and Health</i> , 2021, 3, 100029.	2.7	5
2147	Emerging new climate extremes over Europe. <i>Climate Dynamics</i> , 2022, 58, 487-501.	3.8	20
2148	Moisture recycling and the potential role of forests as moisture source during European heatwaves. <i>Climate Dynamics</i> , 2022, 58, 609-624.	3.8	8
2149	Spatio-temporal analysis of land surface temperature for identification of heat wave risk and vulnerability hotspots in Indo-Gangetic Plains of India. <i>Theoretical and Applied Climatology</i> , 2021, 146, 567-582.	2.8	7
2150	Using remote sensing imagery to study urban heat island and heat waves. , 2021, , .		1
2151	Costs of seasonality at a southern latitude: Behavioral endocrinology of female baboons in the Cape Peninsula of South Africa. <i>Hormones and Behavior</i> , 2021, 134, 105020.	2.1	4
2153	Characteristics of Enhanced Heatwaves over Tanzania and Scenario Projection in the 21st Century. <i>Atmosphere</i> , 2021, 12, 1026.	2.3	4
2154	Evaluating boreal summer circulation patterns of CMIP6 climate models over the Asian region. <i>Climate Dynamics</i> , 2022, 58, 427-441.	3.8	5
2155	Thermal flight performance reveals impact of warming on bumblebee foraging potential. <i>Functional Ecology</i> , 2021, 35, 2508-2522.	3.6	31
2156	Interdecadal variations of persistent extreme heat events in eastern China under global warming. <i>Theoretical and Applied Climatology</i> , 2021, 146, 349-364.	2.8	4
2157	Urbanization Magnified Nighttime Heat Waves in China. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093603.	4.0	29
2158	Assessing Heatwaves and Their Association with North African Dust Intrusions in the Algarve (Portugal). <i>Atmosphere</i> , 2021, 12, 1090.	2.3	0

#	ARTICLE	IF	CITATIONS
2159	Heat wave characteristics over India during ENSO events. <i>Journal of Earth System Science</i> , 2021, 130, 1.	1.3	10
2160	Sensitivity study of PBL schemes and soil initialization using the WRF-BEP-BEM model over a Mediterranean coastal city. <i>Urban Climate</i> , 2021, 39, 100982.	5.7	11
2161	Combined impacts of climate and air pollution on human health and agricultural productivity. <i>Environmental Research Letters</i> , 2021, 16, 093004.	5.2	32
2162	Bering Sea marine heatwaves: Patterns, trends and connections with the Arctic. <i>Journal of Hydrology</i> , 2021, 600, 126462.	5.4	28
2163	Heat waves: a hot topic in climate change research. <i>Theoretical and Applied Climatology</i> , 2021, 146, 781-800.	2.8	58
2164	A generic risk assessment framework to evaluate historical and future climate-induced risk for rainfed corn and soybean yield in the U.S. Midwest. <i>Weather and Climate Extremes</i> , 2021, 33, 100369.	4.1	9
2166	Density-dependent ecosystem service delivery under shifting temperatures by dung beetles. <i>Science of the Total Environment</i> , 2022, 807, 150575.	8.0	9
2167	Modeling urban evapotranspiration using remote sensing, flux footprints, and artificial intelligence. <i>Science of the Total Environment</i> , 2021, 786, 147293.	8.0	34
2168	A quasi-experimental approach for evaluating the heat mitigation effects of green roofs in Chicago, Illinois. <i>Sustainable Cities and Society</i> , 2022, 76, 103376.	10.4	12
2169	Are portable polyethylene tents reliable for imposing heat treatments in field-grown wheat?. <i>Field Crops Research</i> , 2021, 271, 108206.	5.1	7
2170	Sinuosity of Atmospheric Circulation over Southeastern China and Its Relationship to Surface Air Temperature and High Temperature Extremes. <i>Atmosphere</i> , 2021, 12, 1139.	2.3	1
2171	Recent Increases in Exposure to Extreme Humidâ€Heat Events Disproportionately Affect Populated Regions. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094183.	4.0	41
2172	Tourism Effect on the Spatiotemporal Pattern of Land Surface Temperature (LST): Babolsar and Fereydonkenar Cities (Cases Study in Iran). <i>Land</i> , 2021, 10, 945.	2.9	4
2173	Stepwiseâ€clustered heatwave downscaling and projection for Guangdong Province. <i>International Journal of Climatology</i> , 2022, 42, 2835-2860.	3.5	11
2174	Prediction of Heatwave 2013 over Andhra Pradesh and Telangana, India using WRF Model. <i>Asian Journal of Atmospheric Environment</i> , 2021, 15, 33-44.	1.1	4
2175	Overall effects of temperature steps in hot summer on students' subjective perception, physiological response and learning performance. <i>Energy and Buildings</i> , 2021, 247, 111124.	6.7	8
2176	Scale-dependent response of the urban heat island to the European heatwave of 2018. <i>Environmental Research Letters</i> , 2021, 16, 104021.	5.2	12
2177	Warming Rates Alter Sequence of Disassembly in Experimental Communities. <i>American Naturalist</i> , 2021, 198, 610-624.	2.1	5

#	ARTICLE	IF	CITATIONS
2178	Adaptive responses to temperature and precipitation variation at the early life stages of <i>Pinus sylvestris</i> . <i>New Phytologist</i> , 2021, 232, 1632-1647.	7.3	8
2179	A review of frameworks for using bryophytes as indicators of climate change with special emphasis on Sri Lankan bryoflora. <i>Environmental Science and Pollution Research</i> , 2021, 28, 60425-60437.	5.3	5
2181	Regional and altitudinal aspects in summer heatwave intensification in the Western Carpathians. <i>Theoretical and Applied Climatology</i> , 2021, 146, 1111-1125.	2.8	8
2182	Tropospheric NO ₂ and O ₃ Response to COVID-19 Lockdown Restrictions at the National and Urban Scales in Germany. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035440.	3.3	13
2183	Impacts of land use/ land cover types on interactions between urban heat island effects and heat waves. <i>Building and Environment</i> , 2021, 204, 108138.	6.9	44
2184	Amplified intensity and duration of heatwaves by concurrent droughts in China. <i>Atmospheric Research</i> , 2021, 261, 105743.	4.1	35
2185	The role of outdoor microclimatic features at long-term care facilities in advancing the health of its residents: An integrative review and future strategies. <i>Environmental Research</i> , 2021, 201, 111583.	7.5	11
2186	Increased high-temperature extremes and associated population exposure in Africa by the mid-21st century. <i>Science of the Total Environment</i> , 2021, 790, 148162.	8.0	83
2187	The buffer effect of canopy-forming algae on vermetid reefs' functioning: A multiple stressor case study. <i>Marine Pollution Bulletin</i> , 2021, 171, 112713.	5.0	6
2188	Present and future projections of heatwave hazard-risk over India: A regional earth system model assessment. <i>Environmental Research</i> , 2021, 201, 111573.	7.5	37
2189	Can Swiss wheat varieties escape future heat stress?. <i>European Journal of Agronomy</i> , 2021, 131, 126394.	4.1	9
2190	Significant increase in extreme heat events along an urban-rural gradient. <i>Landscape and Urban Planning</i> , 2021, 215, 104210.	7.5	12
2191	The relationship between population heat vulnerability and urbanization levels: A county-level modeling study across China. <i>Environment International</i> , 2021, 156, 106742.	10.0	15
2192	Recent changes in heatwaves and maximum temperatures over a complex terrain in the Himalayas. <i>Science of the Total Environment</i> , 2021, 794, 148706.	8.0	5
2193	Social implementation and intervention with estimated morbidity of heat-related illnesses from weather data: A case study from Nagoya City, Japan. <i>Sustainable Cities and Society</i> , 2021, 74, 103203.	10.4	7
2194	Importance of the legacy effect for assessing spatiotemporal correspondence between interannual tree-ring width and remote sensing products in the Sierra Nevada. <i>Remote Sensing of Environment</i> , 2021, 265, 112635.	11.0	14
2195	Extreme temperatures affect seedling growth and photosynthetic performance of advanced cotton genotypes. <i>Industrial Crops and Products</i> , 2021, 172, 114025.	5.2	16
2196	Using social security number to identify sub-populations vulnerable to the health impacts from extreme heat in Florida, U.S.. <i>Environmental Research</i> , 2021, 202, 111738.	7.5	9

#	ARTICLE	IF	CITATIONS
2197	Tracking heatwave extremes from an event perspective. <i>Weather and Climate Extremes</i> , 2021, 34, 100371.	4.1	13
2198	Outdoor thermal stress changes in South Korea: Increasing inter-annual variability induced by different trends of heat and cold stresses. <i>Science of the Total Environment</i> , 2022, 805, 150132.	8.0	13
2199	Arbuscular mycorrhizal fungal community responses to drought and nitrogen fertilization in switchgrass stands. <i>Applied Soil Ecology</i> , 2022, 169, 104218.	4.3	10
2200	Fecal glucocorticoid metabolites and ectoparasites as biomarkers of heat stress close to roads in a Mediterranean lizard. <i>Science of the Total Environment</i> , 2022, 802, 149919.	8.0	10
2201	Sensitivities of heat-wave mortality projections: Moving towards stochastic model assumptions. <i>Environmental Research</i> , 2022, 204, 111895.	7.5	6
2202	Wheat. , 2021, , 98-163.		13
2204	The localization of urban heat island in the Katowice conurbation (Poland) using the combination of land surface temperature, Normalized Difference Vegetation Index and Normalized Difference Built-up Index. <i>Geographia Polonica</i> , 2021, 94, 111-129.	1.0	2
2205	Using Citizen Sensing to Identify Heat-Exposed Neighbourhoods. <i>Urban Science</i> , 2021, 5, 14.	2.3	5
2206	Study of heat wave and rainfall over Adilabad Region, India during 2013. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
2207	Projected near-term changes in temperature extremes over China in the mid-twenty-first century and underlying physical processes. <i>Climate Dynamics</i> , 2021, 56, 1879-1894.	3.8	7
2208	Body Core Temperature Estimation Using New Compartment Model With Vital Data From Wearable Devices. <i>IEEE Access</i> , 2021, 9, 124452-124462.	4.2	5
2209	Modeling Urban Futures: Data-Driven Scenarios of Climate Change and Vulnerability in Cities. <i>Urban Book Series</i> , 2021, , 129-144.	0.6	3
2210	Variation in fur properties may explain differences in heat-related mortality among Australian flying-foxes. <i>Australian Journal of Zoology</i> , 2021, , .	1.0	3
2211	Exploration with Process Mining on How Temperature Change Affects Hospital Emergency Departments. <i>Lecture Notes in Business Information Processing</i> , 2021, , 368-379.	1.0	1
2212	Statistical Assessment of the Changing Climate of Vadodara City, India During 1969-2006. , 2021, 3, 1-18.		2
2213	Analysis of future climate scenarios for northeastern Brazil and implications for human thermal comfort. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20190651.	0.8	5
2214	Extreme heat events from an object viewpoint with application to south-east Australia. <i>International Journal of Climatology</i> , 2021, 41, 2693-2709.	3.5	7
2215	Estimating flying-fox mortality associated with abandonments of pups and extreme heat events during the austral summer of 2019-20. <i>Pacific Conservation Biology</i> , 2022, 28, 124-139.	1.0	18

#	ARTICLE	IF	CITATIONS
2217	Climate Change Adaptation and Mitigation in Sub-Saharan African Countries. Advanced Sciences and Technologies for Security Applications, 2021, , 393-409.	0.5	5
2218	The Effect of Temperature on Sperm Motility and Viability. Advances in Medical Diagnosis, Treatment, and Care, 2021, , 189-205.	0.1	0
2219	Heatwaves and urban heat islands: A comparative analysis of multiple cities. Journal of Geophysical Research D: Atmospheres, 2017, 122, 168-178.	3.3	136
2220	Biomass Feedstock Production Impact on Water Resource Availability. , 0, , 239-260.		1
2221	Heat related illness among workers in Washington State: A descriptive study using workers' compensation claims, 2006â€2017. American Journal of Industrial Medicine, 2020, 63, 300-311.	2.1	25
2222	Dynamics of concurrent and sequential Central European and Scandinavian heatwaves. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 2998-3013.	2.7	24
2223	Heat Waves, Urban Climate and Human Health. , 2008, , 269-278.		15
2225	Summer Heat Waves in Western Europe, Their Past Change and Future Projections. , 2008, , 235-250.		9
2226	Distribution Changes of Seasonal Mean Temperature in Observations and Climate Change Scenarios. , 2008, , 251-267.		7
2227	Populus Responses to Abiotic Stress. , 2010, , 225-246.		17
2228	Exceptionally Hot Summers Months in Central and Eastern Europe During the Years 1951â€2010. , 2013, , 17-35.		5
2229	Heat Waves and Rising Temperatures: Human Health Impacts and the Determinants of Vulnerability. , 2014, , 85-120.		9
2230	Improving Grain Quality in Oil and Cereal Crops. , 2018, , 1-17.		1
2231	Climate Change over the Indian Sub-continent. Springer Geology, 2020, , 537-563.	0.3	4
2232	Climate Change and Heat Exposure: Impact on Health in Occupational and General Populations. , 2020, , 225-261.		11
2233	Sources of Carbon Dioxide and Environmental Issues. Sustainable Agriculture Reviews, 2019, , 13-36.	1.1	4
2234	Land Management and the Impact of the 2010 Extreme Drought Event on the Agricultural and Ecological Systems of European Russia. , 2017, , 173-192.		9
2235	Predicting Future Overheating in a Passivhaus Dwelling Using Calibrated Dynamic Thermal Simulation Models. , 2017, , 163-183.		2

#	ARTICLE	IF	CITATIONS
2236	A Review of the Health Sector Impacts of 4 °C or more Temperature Rise. , 2019, , 67-129.		5
2237	Saturation of the Terrestrial Carbon Sink. , 2007, , 59-78.		97
2238	Effects of Ultraviolet-B Radiation and Its Interactions with Climate Change Factors on Agricultural Crop Growth and Yield. , 2010, , 395-436.		4
2239	Mapping Heat Wave Risk of the World. IHDP/Future Earth-integrated Risk Governance Project Series, 2015, , 169-188.	0.8	7
2240	Cecilia â€“ EC FP6 Project on the Assessment of Climate Change Impacts in Central and Eastern Europe. , 2010, , 125-137.		5
2241	Regional Assessment of Climate Change in the Mediterranean. Advances in Global Change Research, 2013, , .	1.6	9
2242	Climate Change, Extreme Weather Events and Health Effects. , 2014, , 617-624.		7
2243	Heat Waves and Cold Events. Springer Atmospheric Sciences, 2017, , 347-423.	0.3	4
2244	Virtual weather stations for meteorological data estimations. Neural Computing and Applications, 2020, 32, 12801-12812.	5.6	10
2245	Estimating Changes in the Observed Relationship Between Humidity and Temperature Using Noncrossing Quantile Smoothing Splines. Journal of Agricultural, Biological, and Environmental Statistics, 2020, 25, 292-314.	1.4	19
2246	Immunological and oxidative stress responses of the bivalve Scrobicularia plana to distinct patterns of heatwaves. Fish and Shellfish Immunology, 2020, 106, 1067-1077.	3.6	27
2247	Economic costs of heat-induced reductions in worker productivity due to global warming. Global Environmental Change, 2020, 63, 102087.	7.8	64
2248	Thermal resilience of Prostephanus truncatus (Horn): Can we derive optimum temperature-time combinations for commodity treatment?. Journal of Stored Products Research, 2020, 86, 101568.	2.6	7
2250	Performance Evaluation of CMIP5 and CMIP6 Models on Heatwaves in Korea and Associated Teleconnection Patterns. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032583.	3.3	23
2251	Mechanism behind mega-heatwaves pinpointed. Nature, 0, , .	27.8	1
2252	Low potential for evolutionary rescue from climate change in a tropical fish. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33365-33372.	7.1	78
2253	Summer heat extremes in northern continents linked to developing ENSO events. Environmental Research Letters, 2020, 15, 074042.	5.2	51
2254	Collaborative impact of the NAO and atmospheric blocking on European heatwaves, with a focus on the hot summer of 2018. Environmental Research Letters, 2020, 15, 114003.	5.2	45

#	ARTICLE	IF	CITATIONS
2255	The modifying effects of heat and cold wave characteristics on cardiovascular mortality in 31 major Chinese cities. <i>Environmental Research Letters</i> , 2020, 15, 105009.	5.2	24
2256	Summer Russian heat waves and their links to Greenland's ice melt and sea surface temperature anomalies over the North Atlantic and the Barents-Kara Seas. <i>Environmental Research Letters</i> , 2020, 15, 114048.	5.2	12
2257	Linking Social and Ecological Systems. , 2011, , 298-308.		12
2258	Thermal tolerance and fish heart integrity: fatty acids profiles as predictors of species resilience. , 2020, 8, coaa108.		9
2259	Using naturalistic incubation temperatures to demonstrate how variation in the timing and continuity of heat wave exposure influences phenotype. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200992.	2.6	12
2262	Effectiveness of Mechanical Air Conditioning as a Protective Factor Against Indoor Exposure to Heat Among the Elderly. <i>ASME Journal of Engineering for Sustainable Buildings and Cities</i> , 2020, 1, .	0.9	5
2263	Abnormal events detection using deep neural networks: application to extreme sea surface temperature detection in the Red Sea. <i>Journal of Electronic Imaging</i> , 2019, 28, 1.	0.9	12
2264	Healthy aging does not compromise the augmentation of cardiac function during heat stress. <i>Journal of Applied Physiology</i> , 2016, 121, 885-892.	2.5	24
2265	Mechanisms Associated with Daytime and Nighttime Heat Waves over the Contiguous United States. <i>Journal of Applied Meteorology and Climatology</i> , 2020, 59, 1865-1882.	1.5	21
2266	Decadal Changes in the Interannual Variability of Heat Waves in East Asia Caused by Atmospheric Teleconnection Changes. <i>Journal of Climate</i> , 2020, 33, 1505-1522.	3.2	37
2267	Summer High Temperature Extremes over China Linked to the Pacific Meridional Mode. <i>Journal of Climate</i> , 2020, 33, 5905-5917.	3.2	14
2270	Acute Thermal Stressor Increases Glucocorticoid Response but Minimizes Testosterone and Locomotor Performance in the Cane Toad (<i>Rhinella marina</i>). <i>PLoS ONE</i> , 2014, 9, e92090.	2.5	33
2271	A Protocol to Assess Insect Resistance to Heat Waves, Applied to Bumblebees (<i>Bombus Latreille</i> , 1802). <i>PLoS ONE</i> , 2015, 10, e0118591.	2.5	56
2272	Improving the Health Forecasting Alert System for Cold Weather and Heat-Waves In England: A Proof-of-Concept Using Temperature-Mortality Relationships. <i>PLoS ONE</i> , 2015, 10, e0137804.	2.5	21
2273	Potential Impacts of Future Warming and Land Use Changes on Intra-Urban Heat Exposure in Houston, Texas. <i>PLoS ONE</i> , 2016, 11, e0148890.	2.5	22
2274	Response of a Habitat-Forming Marine Plant to a Simulated Warming Event Is Delayed, Genotype Specific, and Varies with Phenology. <i>PLoS ONE</i> , 2016, 11, e0154532.	2.5	34
2275	Maintenance costs of serotiny in a variably serotinous pine: The role of water supply. <i>PLoS ONE</i> , 2017, 12, e0181648.	2.5	13
2276	Heat and dehydration induced oxidative damage and antioxidant defenses following incubator heat stress and a simulated heat wave in wild caught four-striped field mice <i>Rhabdomys dilectus</i> . <i>PLoS ONE</i> , 2020, 15, e0242279.	2.5	21

#	ARTICLE	IF	CITATIONS
2277	Persistent heat waves projected for Middle East and North Africa by the end of the 21st century. PLoS ONE, 2020, 15, e0242477.	2.5	28
2278	Synergies between urban heat island and heat waves in Seoul: The role of wind speed and land use characteristics. PLoS ONE, 2020, 15, e0243571.	2.5	45
2279	Reconstrução de dados e detecção de ondas de calor e de frio no Porto e concelhos vizinhos à “Portugal. Territorium: Revista Portuguesa De Riscos, Prevenção E Segurança, 2020, , 49-66.	0.1	2
2280	Long-term variability of the frequency and persistence of strong highs over Poland. Environmental and Socio-Economic Studies, 2016, 4, 12-23.	0.8	5
2282	Risk Evaluation of Heat Stroke with Multiphysics Computation and its Application. IEEJ Transactions on Fundamentals and Materials, 2018, 138, 288-294.	0.2	1
2283	Excess Heat-Related Mortality in Micro-Urban Heat Islands: A Case-only Study in Barcelona. , 0, , .		2
2284	Frequência, Duração, Abrangência Espacial e Intensidade das Ondas de Calor no Brasil. Revista Brasileira De Meteorologia, 2016, 31, 506-517.	0.5	30
2286	Regional Air Pollution at a Turning Point. Ambio, 2005, 34, 2.	5.5	11
2287	Climate Change according to Ecuadorian academics “Perceptions versus facts. Granja, 2020, 31, 21-46.	0.3	30
2289	The Impact of the July 2007 Heat Wave on Daily Mortality in Belgrade, Serbia. Central European Journal of Public Health, 2013, 21, 140-145.	1.1	26
2290	La precipitación geomorfológica como elemento clave en el modelado del paisaje mediterráneo. Boletín De La Asociación De Geógrafos Españoles, 2019, , .	0.3	6
2291	Changes in Temperature-based Extremes Indices Due to Global Warming Projected by a Global 20-km-mesh Atmospheric Model. Scientific Online Letters on the Atmosphere, 2006, 2, 68-71.	1.4	14
2292	The Effect of The Extremes Heat Waves on Mortality Rates in Baghdad During the Period (2004-2018). Mustansiriyah Journal of Science, 2020, 31, 15-23.	0.4	4
2293	Protein crop production at the northern margin of farming: to boost or not to boost. Agricultural and Food Science, 2012, 21, 370-383.	0.9	31
2294	Heat waves in Poland in the period 1951-2015: trends, patterns and driving factors. Meteorology Hydrology and Water Management, 0, , .	0.4	30
2297	Effects of acclimation temperature on critical thermal limits and swimming performance of the state-endangered bigeye chub Hybopsis amblops. Aquatic Biology, 2019, 28, 137-147.	1.4	9
2298	The North Atlantic Oscillation and ecology: links between historical time-series, and lessons regarding future climate warming. Climate Research, 2007, 34, 259-262.	1.1	37
2299	Bioclimatic envelope model of climate change impacts on blanket peatland distribution in Great Britain. Climate Research, 2010, 45, 151-162.	1.1	109

#	ARTICLE	IF	CITATIONS
2300	Decline in wintertime air-mass transition frequencies in the USA. <i>Climate Research</i> , 2011, 46, 121-136.	1.1	8
2301	Historical threshold temperatures for Phoenix (urban) and Gila Bend (desert), central Arizona, USA. <i>Climate Research</i> , 2013, 55, 201-215.	1.1	12
2302	Thermal environment and UV-B radiation indices in the Vojvodina region, Serbia. <i>Climate Research</i> , 2013, 57, 111-121.	1.1	14
2303	Exceedance of wet bulb globe temperature safety thresholds in sports under a warming climate. <i>Climate Research</i> , 2013, 58, 183-191.	1.1	13
2304	Role of soil moisture in the amplification of climate warming in the eastern Mediterranean and the Middle East. <i>Climate Research</i> , 2014, 59, 27-37.	1.1	42
2305	Evolution of heat wave occurrence over the Paris basin (France) in the 21st century. <i>Climate Research</i> , 2014, 61, 75-91.	1.1	31
2306	Strategies for adapting maize to climate change and extreme temperatures in Andalusia, Spain. <i>Climate Research</i> , 2015, 65, 159-173.	1.1	19
2307	Bordeaux wine quality and climate fluctuations during the last century: changing temperatures and changing industry. <i>Climate Research</i> , 2015, 64, 187-199.	1.1	9
2308	Integrated modelling of protein crop production responses to climate change and agricultural policy scenarios in Austria. <i>Climate Research</i> , 2015, 65, 205-220.	1.1	15
2309	Conservation and restoration strategies to preserve the variability of cork oak <i>Quercus suber</i> a Mediterranean forest species under global warming. <i>Climate Research</i> , 2016, 71, 171-185.	1.1	7
2310	Adriatic-Ionian air temperature and precipitation patterns derived from self-organizing maps: relation to hemispheric indices. <i>Climate Research</i> , 2019, 78, 149-163.	1.1	7
2311	Analysis of frequency and intensity of European winter storm events from a multi-model perspective, at synoptic and regional scales. <i>Climate Research</i> , 2006, 31, 59-74.	1.1	110
2312	Regional-scale variability in the response of benthic macroinvertebrate assemblages to a marine heatwave. <i>Marine Ecology - Progress Series</i> , 2017, 568, 17-30.	1.9	54
2313	Potential climate-mediated changes to the distribution and density of pomacentrid reef fishes in south-western Australia. <i>Marine Ecology - Progress Series</i> , 2018, 604, 223-235.	1.9	10
2314	Habitat-modulated shell shape and spatial segregation in a Patagonian false limpet (Siphonaria) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 18	1.9	10
2315	Exposure to simulated heatwave scenarios causes long-term reductions in performance in <i>Saccharina latissima</i> . <i>Marine Ecology - Progress Series</i> , 2019, 630, 25-39.	1.9	35
2316	The Effects of Historical Housing Policies on Resident Exposure to Intra-Urban Heat: A Study of 108 US Urban Areas. <i>Climate</i> , 2020, 8, 12.	2.8	344
2317	Extreme Heat Kills Even in Very Hot Cities: Evidence from Nagpur, India. <i>International Journal of Occupational and Environmental Medicine</i> , 2020, 11, 188-195.	4.2	10

#	ARTICLE	IF	CITATIONS
2318	Atmospheric circulation during heat waves in Eastern Europe. <i>Geografie-Sbornik CGS</i> , 2017, 122, 121-146.	0.6	9
2319	The occurrence of heat waves in Europe and their circulation conditions. <i>Geografie-Sbornik CGS</i> , 2019, 124, 1-17.	0.6	11
2320	Outlook on Variation of Water Resources in Korea under SRES A2 Scenario. <i>Journal of Korea Water Resources Association</i> , 2007, 40, 921-930.	0.2	13
2321	Impact Assessment of Climate Change on Extreme Rainfall and I-D-F Analysis. <i>Journal of Korea Water Resources Association</i> , 2008, 41, 379-394.	0.2	27
2324	Implications of climate change on nutrient pollution: a look into the nitrogen and phosphorus loadings in the Great Miami and Little Miami watersheds in Ohio. <i>AIMS Environmental Science</i> , 2019, 6, 186-221.	1.4	4
2325	Municipal Temperature and Heatwave Predictions as a Tool for Integrated Socio-Environmental Impact Analysis in Brazil. <i>American Journal of Climate Change</i> , 2015, 04, 385-396.	0.9	5
2326	Spatial Distribution of CO ₂ Concentration over South America during ENSO Episodes by Using GOSAT Data. <i>American Journal of Climate Change</i> , 2016, 05, 77-87.	0.9	6
2327	Assessment of heat and cold wave events over West Africa using three regional climate models. <i>Annals of Geophysics</i> , 2017, 60, .	1.0	6
2330	Analysis of projected changes in the occurrence of heat waves in Hungary. <i>Advances in Geosciences</i> , 0, 35, 115-122.	12.0	17
2331	Mesoscale heat waves induced by orography. <i>Advances in Science and Research</i> , 2008, 2, 139-143.	1.0	4
2332	Adaptation of vulnerable regional agricultural systems in Europe to climate change – results from the ADAGIO project. <i>Advances in Science and Research</i> , 2009, 3, 133-135.	1.0	3
2342	A Study on Development of the Extreme Heat Standard in Korea. <i>Journal of Environmental Science International</i> , 2008, 17, 657-669.	0.2	10
2343	A Study on the Occurrence Characteristics of Tropical Night Day and Extreme Heat Day in the Metropolitan City, Korea. <i>Journal of Environmental Science International</i> , 2014, 23, 873-885.	0.2	7
2345	Relationship between Summer Heat Stress (Perceived Temperature) and Daily Excess Mortality in Seoul during 1991~2005. <i>Journal of Korean Society for Atmospheric Environment</i> , 2010, 26, 253-264.	1.1	6
2346	Coleoptile length and plant height of modern tall and semi-dwarf European winter wheat varieties. <i>Acta Societatis Botanicorum Poloniae</i> , 2011, 80, 197-203.	0.8	16
2347	The Impact of Environmental Health Factors on Extreme-heat Vulnerability Assessment in a Metropolitan City. <i>Korean Journal of Environmental Health Sciences</i> , 2013, 39, 492-504.	0.3	8
2348	Human Health. , 2013, , 312-339.		6
2349	Investigation of Heat Wave Characteristics Over Selected Stations in Nigeria. <i>Journal of Geography Environment and Earth Science International</i> , 2016, 4, 1-22.	0.2	1

#	ARTICLE	IF	CITATIONS
2350	Record Breaking Occurrence Frequency of Air Temperature and Precipitation. Korean Society of Hazard Mitigation, 2011, 11, 345-352.	0.2	6
2351	The Quantification of Disaster Impact of Extreme Rainfall under Climate Change in Korea. Korean Society of Hazard Mitigation, 2012, 12, 169-178.	0.2	4
2352	Spatio-temporal changes in the heatwaves and coldwaves in Spain (1950-2018): Influence of the East Atlantic pattern. Geographica Pannonica, 2021, 25, 168-183.	1.3	5
2353	Effects of thermal acclimation and ecological background on the physiological responses of juvenile <i>Oreochromis esculentus</i> (Graham, 1928). Implications for the species adaptive capacity to global warming. Aquaculture Research, 0, , .	1.8	0
2354	Variations in Summer Extreme High-Temperature Events over Northern Asia and the Possible Mechanisms. Journal of Climate, 2022, 35, 335-357.	3.2	16
2355	Evaluating the impact of climate change on extreme temperature and precipitation events over the Kashmir Himalaya. Climate Dynamics, 2022, 58, 1651-1669.	3.8	24
2356	Heat Waves and Road Traffic Collisions in Alabama, United States. Annals of the American Association of Geographers, 0, , 1-15.	2.2	0
2357	Effects of different scenarios of temperature rise and biological control agents on interactions between two noxious invasive plants. Diversity and Distributions, 2021, 27, 2300-2314.	4.1	5
2358	Summer Heatwave Impacts on the European Kelp <i>Saccharina latissima</i> Across Its Latitudinal Distribution Gradient. Frontiers in Marine Science, 2021, 8, .	2.5	14
2359	Mapping Heat Vulnerability Index Based on Different Urbanization Levels in Nebraska, USA. GeoHealth, 2021, 5, e2021GH000478.	4.0	11
2360	Impacts of Environmental Parameters on the Infectivity of Freshwater Snail. , 0, , .		1
2361	Local Climate Zones, Land Surface Temperature and Air Temperature Interactions: Case Study of Hradec Králové, the Czech Republic. ISPRS International Journal of Geo-Information, 2021, 10, 704.	2.9	4
2362	Longer summers in the Northern Hemisphere under global warming. Climate Dynamics, 2022, 58, 2293-2307.	3.8	12
2363	Global urban population exposure to extreme heat. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	201
2364	Occurrence of heatwave in Korea by the displacement of South Asian high. Climate Dynamics, 2022, 58, 1699-1718.	3.8	11
2365	Interannual Variability of Springtime Extreme Heat Events over the Southeastern Edge of the Tibetan Plateau: Role of A Spring-type Circum-global Teleconnection Pattern. Journal of Climate, 2021, , 1-47.	3.2	2
2366	Effects of Heat Stress on Mating Behavior and Colony Development in <i>Bombus terrestris</i> (Hymenoptera: Apidae). Frontiers in Ecology and Evolution, 2021, 9, .	2.2	4
2367	Future heat adaptation and exposure among urban populations and why a prospering economy alone won't save us. Scientific Reports, 2021, 11, 20309.	3.3	6

#	ARTICLE	IF	CITATIONS
2368	Projected increases in population exposure of daily climate extremes in eastern China by 2050. <i>Advances in Climate Change Research</i> , 2021, 12, 804-813.	5.1	10
2369	Heat Waves in Southern Armenia in the context of climate change. <i>International Journal of Climatology</i> , 0, , .	3.5	0
2370	Weather and topography regulate the benefit of a conditionally helpful parasite. <i>Functional Ecology</i> , 2021, 35, 2691-2706.	3.6	4
2371	Impacts of environmental stress on resistance and resilience of algal-associated bacterial communities. <i>Ecology and Evolution</i> , 2021, 11, 15004-15019.	1.9	7
2372	Modelling nighttime air temperature from remote sensing imagery and GIS data. , 2021, , .		2
2373	The effect of circulation conditions on the occurrence of cold episodes in summer in Central Europe. <i>Geographical Journal</i> , 0, , .	3.1	0
2374	Marine heatwaves in the Humboldt current system: from 5-day localized warming to year-long El Niño. <i>Scientific Reports</i> , 2021, 11, 21172.	3.3	14
2376	2003 Heat Wave and its Return Period. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2377	Educational intervention approaches to ameliorate adverse public health and environmental effects from global warming. <i>Ethics in Science and Environmental Politics</i> , 2006, 6, 13-14.	7.9	2
2378	Oil, water and climate: an introduction. <i>Choice Reviews</i> , 2008, 46, 46-2101-46-2101.	0.2	2
2379	The Role of Meteorological Models in the Prediction of Weather Hazards – the European Approach. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009, , 265-276.	0.2	1
2380	A Neural Network model for the estimation of bioclimatic indexes. <i>WIT Transactions on Ecology and the Environment</i> , 2010, , .	0.0	1
2382	Human Bioclimate and Thermal Stress in the Megacity of Dhaka, Bangladesh: Application and Evaluation of Thermophysiological Indices. <i>Contributions To Statistics</i> , 2011, , 153-170.	0.2	1
2383	Dynamical identification of a heavy sauna weather event in northern China in 2009. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2012, 61, 139201.	0.5	1
2384	Grain Quality oil grain quality in Oil oil and Cereal Crops cereal crops. , 2012, , 4550-4563.		0
2385	Clima urbano e evolução da temperatura estival em Lisboa no século XX. <i>Tendência, número de noites quentes e amplitude térmica diária</i> . <i>Finisterra</i> , 2012, 42, .	0.3	2
2386	Climate Interactions with the Built Environment in the Southeast USA. , 2013, , 86-108.		1
2387	Grain Quality in Oil and Cereal Crops. , 2013, , 972-985.		1

#	ARTICLE	IF	CITATIONS
2388	Extreme Storm Estimation by Climate Change Using Precipitable Water. Korean Society of Hazard Mitigation, 2013, 13, 121-127.	0.2	5
2390	Climate change: biological and human aspects. Choice Reviews, 2013, 50, 50-5578-50-5578.	0.2	11
2393	Regression I. Atmospheric and Oceanographic Sciences Library, 2014, , 107-167.	0.1	0
2394	Statistical Analysis of Subsurface Diffusion of Solar Energy with Implications for Urban Heat Stress. Journal of Modern Physics, 2014, 05, 751-762.	0.6	0
2395	Extreme Value Time Series. Atmospheric and Oceanographic Sciences Library, 2014, , 217-267.	0.1	2
2397	Modeling Debris Flows in the Aftermath of the 2007 Southern California Wildfires. , 2015, , 229-249.		0
2398	Internet-Based Heat Evaluation and Assessment Tool (I-HEAT): Development of a Novel Visualization and Decision-support Tool for Extreme Heat Preparedness in Detroit, Michigan. Michigan Journal of Sustainability, 2014, 2, .	0.2	1
2399	Internet-Based Heat Evaluation and Assessment Tool (I-HEAT): Feasibility Analysis of a Visualization and Decision-support Tool for Extreme Heat Preparedness in Detroit, Michigan. Michigan Journal of Sustainability, 2014, 2, .	0.2	1
2400	Proximity to Risk and Global Climate Change. SSRN Electronic Journal, 0, , .	0.4	0
2401	Analyzing Mortality Rate and Social Costs of Climate Vulnerable Groups caused by Heat Waves in Korea. Journal of Environmental Policy, 2015, 14, 3-32.	0.2	2
2402	WINTER URBAN HEAT ISLAND MAGNITUDES OF MAJOR AUSTRALIAN CITIES. International Journal of GEOMATE, 2016, , .	0.3	0
2403	Mortality Effects of Temperature Changes in the United Kingdom. SSRN Electronic Journal, 0, , .	0.4	0
2404	Assessing Climate Change in Cities Using UrbClim. Springer Proceedings in Complexity, 2016, , 425-430.	0.3	1
2405	THE COOLING EFFECT OF A MEDIUM SIZED PARK ON AN URBAN ENVIRONMENT. International Journal of GEOMATE, 2016, , .	0.3	3
2406	Climate Adaptation, Introduction. , 2016, , 1-7.		0
2407	The Urban Heat Island Effect in Dutch City Centres: Identifying Relevant Indicators and First Explorations. Climate Change Management, 2016, , 123-160.	0.8	0
2408	Evaluating Natural Ventilation in Future Climate Scenarios as Part of a Long-Term Non-domestic Retrofit Strategy for an Educational Facility. , 2016, , 207-221.		0
2409	An Investigation of the Significant Criteria of Vegetation Selection and Planting Arrangement in Designing Urban Nodes. Journal of Design and Built Environment, 2016, 16, 1-14.	0.3	4

#	ARTICLE	IF	CITATIONS
2411	Climate Adaptation, Introduction. , 2017, , 173-179.		0
2412	Äžiddetli sÄ±cak hava dalgalarÄ±: dinamik-fiziksel etkenler ve bu sÄ±cak hava dalgalarÄ±nÄ±n Ä¶zellikleri. Sakarya University Journal of Science, 2017, 21, 201-201.	0.7	2
2414	Network Science Perspectives on Engineering Adaptation to Climate Change and Weather Extremes. , 2017, , 1-12.		0
2415	Characteristics of Flood Damage Considering Design Frequency of Rainfall Intensity by Dration. Korean Society of Hazard Mitigation, 2018, 18, 369-377.	0.2	0
2418	Classification of Heat Wave Events in Seoul Using Self-Organizing Map. Journal of Climate Change Research, 2018, 9, 209-221.	0.4	4
2421	Paradigm Shift of Disaster Management Policy -Focusing on Fine Dust, Heat Waves and Cold Waves-. Journal of Policy Development, 2018, 18, 79-122.	0.1	1
2422	CLIMATE CHANGE AND UKRAINIAN CITIES: MANIFESTATIONS AND PROJECTIONS ON 21st CENTURY BASED ON RCP-SCENARIOS. Bulletin of Taras Shevchenko National University of Kyiv Geography, 2019, , 11-18.	0.1	1
2423	Optimal Planning of Electric Power Systems. Springer Optimization and Its Applications, 2019, , 53-65.	0.9	2
2424	INDICATORS OF TEMPERATURE ANOMALIES OF REGIONAL CLIMATE. Bulletin of Taras Shevchenko National University of Kyiv Geography, 2019, , 15-19.	0.1	1
2425	The impact of soil initialization on regional decadal climate predictions in Europe. Climate Research, 2019, 77, 139-154.	1.1	1
2426	Escargots cooked just right: telling apart the direct and indirect effects of heat waves in freashwater snails. Peer Community in Ecology, 0, , 100015.	0.0	0
2427	Evaluation of Some Lentil Genotypes for Drought Tolerance in Context of Drought Tolerance Indices. International Journal of Current Microbiology and Applied Sciences, 2019, 8, 363-372.	0.1	1
2428	Projections and Hazards of Future Extreme Heat. , 0, , .		1
2429	Heat waves trigger swift changes in the diet and life-history of a freshwater snail. Hydrobiologia, 2020, 847, 999-1011.	2.0	7
2430	Rise in coincidence of extreme heat in Nevadaâ€™s largest urban areas. , 2019, 1, 5-28.		1
2432	Sinop Ä°linde Suda BoÄŸulma VakalarÄ±nÄ±n Ä°ncelenmesi. Akdeniz Spor Bilimleri Dergisi, 0, , .	0.6	0
2434	Artificial Neural Networks for Prediction of Steadman Heat Index. Springer Transactions in Civil and Environmental Engineering, 2021, , 293-357.	0.4	1
2435	RETURN LEVEL ESTIMATES OF MAXIMUM TEMPERATURE FOR DIFFERENT RETURN PERIOD. Journal of Mechanics of Continua and Mathematical Sciences, 2020, 15, .	0.2	1

#	ARTICLE	IF	CITATIONS
2437	Mortality risk attributable to high and low ambient temperature in Pune city, India: A time series analysis from 2004 to 2012. <i>Environmental Research</i> , 2022, 204, 112304.	7.5	12
2438	Progress in extreme heat management and warning systems: A systematic review of heat-health action plans (1995-2020). <i>Sustainable Cities and Society</i> , 2022, 76, 103487.	10.4	42
2439	Risk factors for heat-related illnesses during the Hajj mass gathering: an expert review. <i>Reviews on Environmental Health</i> , 2023, 38, 33-43.	2.4	8
2440	Spatial Variability and Temporal Heterogeneity of Surface Urban Heat Island Patterns and the Suitability of Local Climate Zones for Land Surface Temperature Characterization. <i>Remote Sensing</i> , 2021, 13, 4338.	4.0	100
2441	Characterising the nocturnal surface and canopy heat islands in Oklahoma City, USA according to the atmospheric stability. <i>Urban Climate</i> , 2021, 40, 101008.	5.7	1
2442	Anthropogenic and Natural Contributions to the Lengthening of the Southern Hemisphere Summer Season. <i>Journal of Climate</i> , 2020, 33, 10539-10553.	3.2	6
2443	Increase in humidity widens heat tolerance range of tropical <i>Ceratosolen</i> fig wasps. <i>Ecological Entomology</i> , 2021, 46, 573-581.	2.2	3
2444	Quantifying the Independent Influences of Land Cover and Humidity on Microscale Urban Air Temperature Variation in Hot Summer: Methods of Path Analysis and Genetic SVR. <i>Atmosphere</i> , 2020, 11, 1377.	2.3	1
2445	Impact of heat waves and cold spells on cause-specific mortality in the city of São Paulo, Brazil. <i>International Journal of Hygiene and Environmental Health</i> , 2022, 239, 113861.	4.3	26
2446	Energy burden and air conditioning adoption in New York City under a warming climate. <i>Sustainable Cities and Society</i> , 2022, 76, 103465.	10.4	16
2447	Introducing a dynamic photosynthetic model of photoinhibition, heat, and water stress in the next-generation land surface model ACASA. <i>Agricultural and Forest Meteorology</i> , 2022, 312, 108702.	4.8	3
2448	Added value of convection permitting climate modelling in urban overheating assessments. <i>Building and Environment</i> , 2022, 207, 108415.	6.9	20
2449	Compréhension du microclimat urbain lyonnais par l'intégration de prédicteurs complémentaires à différentes échelles dans des modèles de régression. <i>Climatologie</i> , 2020, 17, 2.	0.2	0
2450	Températures de surface et mesures mobiles confrontées aux zones climatiques locales : exemples des agglomérations de Tokyo et de Lyon. <i>Climatologie</i> , 2020, 17, 11.	0.2	0
2451	Measuring Heatwaves and Their Impacts. , 2020, , 1-21.		0
2452	Understanding Factors Influencing Overheating: The UK's First Large-Scale Domestic Passivhaus Retrofit. , 2020, , 393-410.		1
2453	A protocol for an observational cohort study of heat strain and its effect on fetal wellbeing in pregnant farmers in The Gambia. <i>Wellcome Open Research</i> , 2020, 5, 32.	1.8	8
2454	Increased duration of extreme thermal events negatively affects cold acclimation ability in a high-latitude, freshwater ectotherm (<i>Ischnura elegans</i> ; Odonata: Coenagrionidae). <i>European Journal of Entomology</i> , 0, 117, 93-100.	1.2	4

#	ARTICLE	IF	CITATIONS
2455	Reconstructing summer upper-level flow in the northern Rocky Mountains using an alpine larch tree-ring chronology. <i>Climate Research</i> , 2020, 79, 207-218.	1.1	2
2456	A protocol for an observational cohort study of heat strain and its effect on fetal wellbeing in pregnant farmers in The Gambia. <i>Wellcome Open Research</i> , 2020, 5, 32.	1.8	9
2457	Sixfold Increase in Historical Northern Hemisphere Concurrent Large Heatwaves Driven by Warming and Changing Atmospheric Circulations. <i>Journal of Climate</i> , 2022, 35, 1063-1078.	3.2	34
2458	Plant mortality on ultramafic soils after an extreme heat and drought event in the Mediterranean area. <i>Plant and Soil</i> , 2022, 471, 123-139.	3.7	7
2459	Limitations of soil moisture and formation rate on vegetation growth in karst areas. <i>Science of the Total Environment</i> , 2022, 810, 151209.	8.0	38
2460	Combined effects of heatwaves and micropollutants on freshwater ecosystems: Towards an integrated assessment of extreme events in multiple stressors research. <i>Global Change Biology</i> , 2022, 28, 1248-1267.	9.5	47
2461	Analysis of Urban Heat Island and Heat Waves Using Sentinel-3 Images: a Study of Andalusian Cities in Spain. <i>Earth Systems and Environment</i> , 2022, 6, 199-219.	6.2	15
2462	Heat illness data strengthens vulnerability maps. <i>BMC Public Health</i> , 2021, 21, 1999.	2.9	8
2463	Leaf functional traits and monodominance in Southern Amazonia tropical forests. <i>Plant Ecology</i> , 2022, 223, 185-200.	1.6	7
2464	A Tree-Ring Based Late Summer Temperature Reconstruction (AD 1675â€“1980) for the Northeastern Mediterranean. <i>Radiocarbon</i> , 2014, 56, S69-S78.	1.8	0
2465	On the Spatiotemporal Variability of the Temperature Anomaly Field. , 2007, , 393-406.		0
2466	How does the environment affect human ageing? An interdisciplinary review. <i>Journal of Gerontology and Geriatrics</i> , 2021, 69, 53-67.	0.5	8
2467	Measuring Heatwaves and Their Impacts. , 2021, , 455-475.		4
2469	How to assess ecodistrict resilience to urban heat stress under future heatwaves? A case study for the city of Paris. <i>ICRBE Procedia</i> , 0, , 11-24.	0.0	0
2471	The Physicianâ€™s Response to Climate Change. <i>Respiratory Medicine</i> , 2021, , 583-591.	0.1	0
2472	Heat Waves and Rising Temperatures: Human Health Impacts and the Determinants of Vulnerability. <i>Respiratory Medicine</i> , 2021, , 123-161.	0.1	5
2473	Examining Organic Acid Root Exudate Content and Function for Leafy Vegetables Under Water-Stressed Conditions. <i>Journal of Horticultural Research</i> , 2020, 28, 83-90.	0.9	0
2474	Climate change and human health. <i>Transactions of the American Clinical and Climatological Association</i> , 2009, 120, 113-7.	0.5	28

#	ARTICLE	IF	CITATIONS
2476	The Impact of Future World Events on Iranians' Social Health: A Qualitative Futurology. Iranian Journal of Public Health, 2016, 45, 795-805.	0.5	2
2477	Climate Change and Simulation of Cardiovascular Disease Mortality: A Case Study of Mashhad, Iran. Iranian Journal of Public Health, 2017, 46, 396-407.	0.5	11
2478	Cool-roof effects on thermal and wind environments during heat waves: A case modeling study in Seoul, South Korea. Urban Climate, 2022, 41, 101044.	5.7	6
2479	Desiccation-induced curling of mud layers: Field observations and experimental insights. Engineering Geology, 2022, 296, 106458.	6.3	4
2480	Herbaria Reveal Herbivory and Pathogen Increases and Shifts in Senescence for Northeastern United States Maples Over 150 Years. Frontiers in Forests and Global Change, 2021, 4, .	2.3	2
2481	Increased occurrence of dayâ€“night hot extremes in a warming climate. Climate Dynamics, 2022, 59, 1297-1307.	3.8	7
2482	Analyzing changes to U.S. municipal heat response plans during the COVID-19 pandemic. Environmental Science and Policy, 2022, 128, 347-358.	4.9	4
2483	Menschliche Gesundheit in der Klimakrise: Betroffenheit, Verantwortung und Chancen. , 2021, , 49-74.		0
2484	Temperature and relative humidity trends in the northernmost region of South Africa, 1950â€“2016. South African Journal of Science, 2021, 117, .	0.7	0
2485	Speciesâ€“specific responses to warming alter community composition. Ecological Entomology, 2022, 47, 284-295.	2.2	2
2486	Abscissic acid and proline are not equivalent markers for heat, drought and combined stress in grapevines. Australian Journal of Grape and Wine Research, 2022, 28, 119-130.	2.1	19
2487	Divergent responses of maize yield to precipitation in the United States. Environmental Research Letters, 2022, 17, 014016.	5.2	11
2488	Anthropogenic influence on compound dry and hot events in China based on Coupled Model Intercomparison Project Phase 6 models. International Journal of Climatology, 2022, 42, 4379-4390.	3.5	12
2489	Analysis of heat stress and heat wave in the four metropolitan cities of India in recent period. Science of the Total Environment, 2022, 818, 151788.	8.0	26
2490	Spatiotemporal Variation Analysis of the Fine-Scale Heat Wave Risk along the Jakarta-Bandung High-Speed Railway in Indonesia. International Journal of Environmental Research and Public Health, 2021, 18, 12153.	2.6	3
2491	Air Humidity Characteristics in â€œLocal Climate Zonesâ€“of Novi Sad (Serbia) Based on Long-Term Data. ISPRS International Journal of Geo-Information, 2021, 10, 810.	2.9	9
2492	The Role of Latent Heating Anomalies in Exciting the Summertime Eurasian Circulation Trend Pattern and High Surface Temperature. Journal of Climate, 2021, , 1-43.	3.2	3
2493	Artificial heat waves induce species-specific plastic responses on reproduction of two spider mite predators. Journal of Pest Science, 0, , 1.	3.7	2

#	ARTICLE	IF	CITATIONS
2494	The Boreal Summer Zonal Wavenumber-3 Trend Pattern and Its Connection with Surface Enhanced Warming. <i>Journal of Climate</i> , 2022, 35, 833-850.	3.2	7
2495	Effects of Herbal Adaptogen Feed-Additive on Growth Performance, Carcass Parameters, and Muscle Amino Acid Profile in Heat-Stressed Modern Broilers. <i>Frontiers in Physiology</i> , 2021, 12, 784952.	2.8	11
2496	Heat waves affect prey and predators differently via developmental plasticity: who may benefit most from global warming?. <i>Pest Management Science</i> , 2022, 78, 1099-1108.	3.4	5
2497	Recent Observed Changes in Extreme High-Temperature Events and Associated Meteorological Conditions over Africa. <i>International Journal of Climatology</i> , 2022, 42, 4522-4537.	3.5	32
2498	Synoptic circulation changes over Central Europe from 1900 to 2100 – Reanalyses and CMIP6. <i>International Journal of Climatology</i> , 0, , .	3.5	6
2499	Out of Sight, Out of Mind? The Impact of Natural Disasters on Pregnancy Outcomes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
2500	The effects of temperature and outcomes of patients presenting to the emergency department with heat-related illness: A retrospective cross-sectional study. <i>International Journal of Academic Medicine</i> , 2021, 7, 220.	0.2	0
2501	Temperature responses of photosynthesis and respiration in evergreen trees from boreal to tropical latitudes. <i>New Phytologist</i> , 2022, 234, 353-374.	7.3	52
2502	Seasonal Variability in the Mechanisms behind the 2020 Siberian Heatwaves. <i>Journal of Climate</i> , 2022, 35, 3075-3090.	3.2	6
2503	Herbarium macroalgae specimens reveal a rapid reduction of thallus size and reproductive effort related with climate change. <i>Marine Environmental Research</i> , 2022, 174, 105546.	2.5	3
2504	Effects of heat waves on urban warming across different urban morphologies and climate zones. <i>Building and Environment</i> , 2022, 209, 108677.	6.9	12
2505	Relative effect of anthropogenic warming and natural climate variability to changes in Compound drought and heatwaves. <i>Journal of Hydrology</i> , 2022, 605, 127396.	5.4	28
2506	Investigation of pre-cooling as a recommended measure to improve residential buildings' thermal resilience during heat waves. <i>Building and Environment</i> , 2022, 210, 108694.	6.9	20
2507	Seasonal changes in mitochondrial bioenergetics and physiological performance of the bluegill sunfish, <i>Lepomis macrochirus</i> , from a shallow, Midwest river. <i>Journal of Thermal Biology</i> , 2022, 104, 103186.	2.5	1
2508	Short-term high nighttime temperatures pose an emerging risk to rice grain failure. <i>Agricultural and Forest Meteorology</i> , 2022, 314, 108779.	4.8	11
2509	The Physics of Heat Waves: What Causes Extremely High Summertime Temperatures?. <i>Journal of Climate</i> , 2022, 35, 2231-2251.	3.2	7
2510	Effects of Urban Landscape and Sociodemographic Characteristics on Heat-Related Health Using Emergency Medical Service Incidents. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1287.	2.6	5
2511	Population Exposure Changes to One Heat Wave and the Influencing Factors Using Mobile Phone Data – A Case Study of Zhuhai City, China. <i>Sustainability</i> , 2022, 14, 997.	3.2	2

#	ARTICLE	IF	CITATIONS
2512	Soil drought can mitigate deadly heat stress thanks to a reduction of air humidity. <i>Science Advances</i> , 2022, 8, eabe6653.	10.3	30
2513	Projections of changes in maximum air temperature and hot days in Poland. <i>International Journal of Climatology</i> , 2022, 42, 5242-5254.	3.5	14
2514	Biodiversity influences the effects of oil disturbance on coastal ecosystems. <i>Ecology and Evolution</i> , 2022, 12, e8532.	1.9	8
2515	Assessing climate risk to support urban forests in a changing climate. <i>Plants People Planet</i> , 2022, 4, 201-213.	3.3	13
2516	Energy Poverty in Finland: Reality and Challenges in the Face of Climate Change. , 2022, , 185-208.		1
2517	The long-term (142Âyears) spatiotemporal reconstruction and synoptic analysis of extreme low temperatures (âˆ’â‰¥15Â°C or lower) in the northwest region of Iran. <i>Theoretical and Applied Climatology</i> , 2022, 147, 1415-1436.	2.8	11
2518	A New Wearable System for Sensing Outdoor Environmental Conditions for Monitoring Hyper-Microclimate. <i>Sensors</i> , 2022, 22, 502.	3.8	21
2519	Amplified Upward Trend of the Joint Occurrences of Heat and Ozone Extremes in China over 2013â€“20. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E1330-E1342.	3.3	10
2520	Larval Development in Tropical Gar (<i>Atractosteus tropicus</i>) Is Dependent on the Embryonic Thermal Regime: Ecological Implications under a Climate Change Context. <i>Fishes</i> , 2022, 7, 16.	1.7	5
2521	Will population exposure to heat extremes intensify over Southeast Asia in a warmer world?. <i>Environmental Research Letters</i> , 2022, 17, 044006.	5.2	19
2522	Heat Wave Intensity Drives Sublethal Reproductive Costs in a Tidepool Copepod. <i>Integrative Organismal Biology</i> , 2022, 4, obac005.	1.8	4
2523	Global long-term mapping of surface temperature shows intensified intra-city urban heat island extremes. <i>Global Environmental Change</i> , 2022, 72, 102441.	7.8	34
2524	Urbanization Impact on Regional Climate and Extreme Weather: Current Understanding, Uncertainties, and Future Research Directions. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 819-860.	4.3	94
2525	Explicit Calculations of Wetâ€Bulb Globe Temperature Compared With Approximations and Why It Matters for Labor Productivity. <i>Earth's Future</i> , 2022, 10, .	6.3	25
2526	Current and future burdens of heat-related dementia hospital admissions in England. <i>Environment International</i> , 2022, 159, 107027.	10.0	17
2527	More than surface temperature: mitigating thermal exposure in hyper-local land system. <i>Journal of Land Use Science</i> , 2022, 17, 79-99.	2.2	18
2528	Green CURIOCITY: a study protocol for a European birth cohort study analysing childhood heat-related health impacts and protective effects of urban natural environments. <i>BMJ Open</i> , 2022, 12, e052537.	1.9	1
2529	Effect of Heat Waves on Some Italian Brown Swiss Dairy Cows' Production Patterns. <i>Frontiers in Animal Science</i> , 2022, 2, .	1.9	8

#	ARTICLE	IF	CITATIONS
2530	A Moderate Mitigation Can Significantly Delay the Emergence of Compound Hot Extremes. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	9
2531	Accelerated exacerbation of global extreme heatwaves under warming scenarios. International Journal of Climatology, 2022, 42, 5430-5441.	3.5	5
2532	Classic and exertional heatstroke. Nature Reviews Disease Primers, 2022, 8, 8.	30.5	128
2533	Desiccation cracking of soil subjected to different environmental relative humidity conditions. Engineering Geology, 2022, 297, 106536.	6.3	16
2534	Are southern pine forests becoming too warm for the southern pine beetle?. Agricultural and Forest Meteorology, 2022, 315, 108813.	4.8	5
2535	Assessing pollen extreme events over a Mediterranean site: Role of local surface meteorology. Atmospheric Environment, 2022, 272, 118928.	4.1	10
2536	Impact of North Atlantic Oscillation and drought conditions on summer urban heat load –a case study for Zagreb. International Journal of Climatology, 2022, 42, 4850-4867.	3.5	8
2537	Interhemispheric asymmetry of climate change projections of boreal winter surface winds in CanESM5 large ensemble simulations. Climatic Change, 2022, 170, 1.	3.6	0
2538	Predictability of the anomaly pattern of summer extreme high-temperature days over southern China. Climate Dynamics, 2022, 59, 1027-1041.	3.8	7
2539	Shifting of summertime weather extremes in Western Europe during 2012–2020. Advances in Climate Change Research, 2022, 13, 218-227.	5.1	12
2540	Projected Changes in Socioeconomic Exposure to Heatwaves in South Asia Under Changing Climate. Earth's Future, 2022, 10, .	6.3	65
2541	Seasonal forecasts of Eurasian summer heat wave frequency. Environmental Research Communications, 2022, 4, 025007.	2.3	7
2542	Impact of cropland degradation in the rural–urban fringe on urban heat island and heat stress during summer heat waves in the Yangtze River Delta. Advances in Climate Change Research, 2022, 13, 240-250.	5.1	10
2543	Heat Wave Trends in Southeast Asia: Comparison of Results From Observation and Reanalysis Data. Geophysical Research Letters, 2022, 49, .	4.0	9
2544	Editorial: Insect Fertility in a Changing Environment. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	0
2545	Exacerbated heat in large Canadian cities. Urban Climate, 2022, 42, 101097.	5.7	5
2546	Influence of tree coverage and micro-topography on the thermal environment within and beyond a green space. Agricultural and Forest Meteorology, 2022, 316, 108846.	4.8	8
2547	Sex biased effect of acute heat shock on the antioxidant system of non-native round goby Neogobius melanostomus. PLoS ONE, 2021, 16, e0260641.	2.5	2

#	ARTICLE	IF	CITATIONS
2548	Milk production, mortality, and economic parameters in the context of heat-stressed dairy cattle. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , .	1.0	1
2549	Long term climatology and trends of heat waves over India during the recent 50 years (1961-2010). Mausam, 2013, 64, 585-604.	0.1	121
2551	Positive Associations of Vegetation with Temperature over the Alpine Grasslands in the Western Tibetan Plateau during May. Earth Interactions, 2022, 26, 94-111.	1.5	4
2552	Observational evidence of regional increasing hot extreme accelerated by surface energy partitioning. Journal of Hydrometeorology, 2022, , .	1.9	3
2553	Long-term analysis of thermal comfort conditions during heat waves in Ukraine. Geographia Polonica, 2022, 95, 53-70.	1.0	7
2554	Climate Change Hastening Heatwaves: A Pakistan Scenario. , 2022, , 103-116.		3
2555	Quick recovery of a threatened butterfly in well-connected patches following an extreme drought. Insect Conservation and Diversity, 2022, 15, 572-582.	3.0	10
2556	Influences of the boreal winter Arctic Oscillation on the peak-summer compound heat waves over the Yangtze-Huaihe River basin: the North Atlantic capacitor effect. Climate Dynamics, 2022, 59, 2331-2343.	3.8	15
2557	Understanding Differences in Event Attribution Results Arising from Modeling Strategy. Journal of Meteorological Research, 2022, 36, 49-60.	2.4	2
2558	Future Changes of Summer Heat Waves Over Urban Agglomerations in Eastern China Under 1.5°C and 2.0°C Global Warming. Frontiers in Earth Science, 2022, 10, .	1.8	3
2559	Ilhas de calor urbanas de superfície, ondas de calor e de frio no município do Rio de Janeiro – RJ (2015 -) Tj ETQq0,0 0 rgBT /Overlock	0.3	1
2560	Exogenous Spermidine Modulates Osmoregulatory Substances and Leaf Stomata to Alleviate the Damage to Lettuce Seedlings Caused by High Temperature Stress. Journal of Plant Growth Regulation, 2023, 42, 1236-1255.	5.1	5
2561	Regional disparities in the exposure to heat-related mortality risk under 1.5 °C and 2 °C global warming. Environmental Research Letters, 2022, 17, 054009.	5.2	3
2562	Roles of Atmospheric Aerosols in Extreme Meteorological Events: a Systematic Review. Current Pollution Reports, 2022, 8, 177-188.	6.6	10
2563	Increasing trees and high-albedo surfaces decreases heat impacts and mortality in Los Angeles, CA. International Journal of Biometeorology, 2022, 66, 911-925.	3.0	12
2564	Predicted changes in the functional structure of earthworm assemblages in France driven by climate change. Diversity and Distributions, 2022, 28, 1050-1066.	4.1	7
2565	Ecological engineering across a spatial gradient: Sociable weaver colonies facilitate animal associations with increasing environmental harshness. Journal of Animal Ecology, 2022, 91, 1385-1399.	2.8	15
2566	A Review of the Effects of Climate Extremes on Agriculture Production. , 2022, , 198-219.		0

#	ARTICLE	IF	CITATIONS
2567	Earth Observation Data Exploitation in Urban Surface Modelling: The Urban Energy Balance Response to a Suburban Park Development. <i>Remote Sensing</i> , 2022, 14, 1473.	4.0	2
2568	High-Resolution Estimation of Monthly Air Temperature from Joint Modeling of In Situ Measurements and Gridded Temperature Data. <i>Climate</i> , 2022, 10, 47.	2.8	4
2569	Heat wave-induced augmentation of surface urban heat islands strongly regulated by rural background. <i>Sustainable Cities and Society</i> , 2022, 82, 103874.	10.4	13
2570	Energy savings and retrofit assessment for city-scale residential building stock during extreme heatwave events using genetic algorithm-numerical moment matching. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 2081-2098.	4.1	3
2572	Quantifying the Contribution of Urbanization to Summer Extreme High-Temperature Events in the Beijing-Tianjin-Hebei Urban Agglomeration. <i>Journal of Applied Meteorology and Climatology</i> , 2022, 61, 669-683.	1.5	8
2573	Metabolic Adaptation of a Globally Important Diatom following 700 Generations of Selection under a Warmer Temperature. <i>Environmental Science & Technology</i> , 2022, 56, 5247-5255.	10.0	16
2574	New Evidence for the Importance of Non-Stomatal Pathways in Ozone Deposition During Extreme Heat and Dry Anomalies. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
2575	Wearable Microfluidic Sensor for the Simultaneous and Continuous Monitoring of Local Sweat Rates and Electrolyte Concentrations. <i>Micromachines</i> , 2022, 13, 575.	2.9	12
2576	Identifying analogs of future thermal comfort under multiple projection scenarios in 352 Chinese cities. <i>Sustainable Cities and Society</i> , 2022, 82, 103889.	10.4	4
2577	The Future of Climate-Resilient and Climate-Neutral City in the Temperate Climate Zone. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4365.	2.6	3
2578	Protist Predation Influences the Temperature Response of Bacterial Communities. <i>Frontiers in Microbiology</i> , 2022, 13, 847964.	3.5	11
2579	The potential for indoor fans to change air conditioning use while maintaining human thermal comfort during hot weather: an analysis of energy demand and associated greenhouse gas emissions. <i>Lancet Planetary Health</i> , The, 2022, 6, e301-e309.	11.4	27
2580	Modeling of the air temperature using the Extreme Value Theory for selected biomes in Mato Grosso do Sul (Brazil). <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 3499-3516.	4.0	2
2581	The Role of Soil Temperature Feedbacks for Summer Air Temperature Variability Under Climate Change Over East Asia. <i>Earth's Future</i> , 2022, 10, .	6.3	4
2582	Exposure to extreme climate decreases self-rated health score: Large-scale survey evidence from China. <i>Global Environmental Change</i> , 2022, 74, 102514.	7.8	11
2583	Urban ventilation assessment with improved vertical wind profile in high-density cities – Investigations in nighttime extreme heat. <i>Building and Environment</i> , 2022, 216, 109018.	6.9	11
2584	Centennial changes in heat waves characteristics in Athens (Greece) from multiple definitions based on climatic and bioclimatic indices. <i>Global and Planetary Change</i> , 2022, 212, 103807.	3.5	11
2585	Effects of calcium concentration, calcium chelators, calcium channel-blockers on Hsp70a expression in <i>Chlamydomonas reinhardtii</i> . <i>Tarla Bitkileri Merkez Arastirma Enstitusu</i> , 2022, 31, 10-19.	0.8	0

#	ARTICLE	IF	CITATIONS
2586	Beating the urban heat: Situation, background, impacts and the way forward in China. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112350.	16.4	152
2587	Optimal Energy Management of A Power Transmission Grid under A Heatwave Exposure. , 2021, , .		0
2588	Urban tree canopy has greater cooling effects in socially vulnerable communities in the US. <i>One Earth</i> , 2021, 4, 1764-1775.	6.8	42
2589	Synergies between Urban Heat Island and Urban Heat Wave Effects in 9 Global Mega-Regions from 2003 to 2020. <i>Remote Sensing</i> , 2022, 14, 70.	4.0	12
2590	Living in a Fluctuating Environment Increases Tolerance to Marine Heatwaves in the Free-Living Coralline Alga <i>Phymatolithon lusitanicum</i> . <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
2591	Evaluating urban greening scenarios for urban heat mitigation: a spatially explicit approach. <i>Royal Society Open Science</i> , 2021, 8, 202174.	2.4	8
2592	ECORISK2050: An Innovative Training Network for predicting the effects of global change on the emission, fate, effects, and risks of chemicals in aquatic ecosystems. <i>Open Research Europe</i> , 0, 1, 154.	2.0	3
2593	Comparative quantification of local climate regulation by green and blue urban areas in cities across Europe. <i>Scientific Reports</i> , 2021, 11, 23872.	3.3	9
2594	Effect of Extreme Heatwaves on the Mortality and Cellular Immune Responses of Purplish Bifurcate Mussel <i>Mytilisepta virgata</i> (Wiegmann, 1837) (=Septifer virgatus) in Indoor Mesocosm Experiments. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
2595	Inflammatory Mediation of Heat Stress-Induced Growth Deficits in Livestock and Its Potential Role as a Target for Nutritional Interventions: A Review. <i>Animals</i> , 2021, 11, 3539.	2.3	6
2596	Great Lakes Basin Heat Waves: An Analysis of Their Increasing Probability of Occurrence Under Global Warming. <i>Frontiers in Water</i> , 2021, 3, .	2.3	2
2597	Identifying community values related to heat: recommendations for forecast and health risk communication. <i>Geoscience Communication</i> , 2021, 4, 517-525.	0.9	5
2598	Model assessments and future projections of spring climate extremes in China based on <sc>CMIP6</sc> models. <i>International Journal of Climatology</i> , 2022, 42, 4601-4620.	3.5	7
2599	Computed and Measured Core Temperature of Patients With Heatstroke Transported From Their Homes via Ambulance. <i>IEEE Access</i> , 2022, 10, 41839-41851.	4.2	2
2600	Atmospheric blocking and weather extremes over the Euro-Atlantic sector – a review. <i>Weather and Climate Dynamics</i> , 2022, 3, 305-336.	3.5	79
2601	Future Population Exposure to Daytime and Nighttime Heat Waves in South Asia. <i>Earth's Future</i> , 2022, 10, .	6.3	39
2602	North China Plain as a hot spot of ozone pollution exacerbated by extreme high temperatures. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4705-4719.	4.9	29
2603	Comparison of Relative and Absolute Heatwaves in Eastern China: Observations, Simulations and Future Projections. <i>Atmosphere</i> , 2022, 13, 649.	2.3	3

#	ARTICLE	IF	CITATIONS
2604	Current warming and likely future impacts. , 0, , 262-366.		0
2605	The human ecology of climate change. , 0, , 367-448.		0
2622	Willingness to Pay for Measures of Managing the Health Effects of Heat Wave in Beijing, China: a Cross-sectional Survey. Biomedical and Environmental Sciences, 2016, 29, 628-638.	0.2	1
2623	Mapping Evaporative and Radiative Cooling Services in an Urban Environment. SSRN Electronic Journal, 0, , .	0.4	0
2625	A transportable temperature and heatwave control device (TENTACLE) for laboratory and field simulations of different climate change scenarios in aquatic micro- and mesocosms. HardwareX, 2022, 11, e00307.	2.2	3
2626	Survival and growth of microscopic fungi derived from tropical regions under future heat waves in the Pannonian Biogeographical Region. Fungal Biology, 2022, 126, 511-520.	2.5	2
2627	Heat shock protein gene expression varies among tissues and populations in free-living birds. Auk, 2022, 139, .	1.4	8
2628	Heatwaves in South Asia: Characterization, Consequences on Human Health, and Adaptation Strategies. Atmosphere, 2022, 13, 734.	2.3	21
2629	Global, regional, and national burden of mortality associated with short-term temperature variability from 2000â€“19: a three-stage modelling study. Lancet Planetary Health, The, 2022, 6, e410-e421.	11.4	27
2630	Trends, intensification, attribution and uncertainty of projected heatwaves in India. International Journal of Climatology, 2022, 42, 7563-7582.	3.5	1
2631	Traffic restrictions during the 2008 Olympic Games reduced urban heat intensity and extent in Beijing. Communications Earth & Environment, 2022, 3, .	6.8	1
2632	Increasing urban and rural population exposures to warmâ€“season concurrent hot days and nights on the North China Plain. International Journal of Climatology, 2022, 42, 7938-7950.	3.5	2
2633	Groundwater Model Impacts Multiannual Simulations of Heat Waves. Geophysical Research Letters, 2022, 49, .	4.0	6
2634	Reef larval recruitment in response to seascape dynamics in the SW Atlantic. Scientific Reports, 2022, 12, 7750.	3.3	3
2635	A hydrological model to estimate pollution from combined sewer overflows at the regional scale: Application to Europe. Journal of Hydrology: Regional Studies, 2022, 41, 101080.	2.4	8
2636	Different mechanisms for daytime, nighttime, and compound heatwaves in southern China. Weather and Climate Extremes, 2022, 36, 100449.	4.1	20
2637	On the combined impact of local, regional, and global climatic changes on the urban energy performance and indoor thermal comfortâ€“The energy potential of adaptation measures. Energy and Buildings, 2022, 267, 112152.	6.7	13
2638	Soil water deficit was effectively alleviated by higher water infiltration after the short-term forestland-to-farmland conversion in semi-arid area. Journal of Hydrology, 2022, 610, 127893.	5.4	5

#	ARTICLE	IF	CITATIONS
2639	Ecdysteroid responses to urban heat island conditions during development of the western black widow spider (<i>Latrodectus hesperus</i>). PLoS ONE, 2022, 17, e0267398.	2.5	3
2640	Future projections of heatwave characteristics and dynamics over India using a high-resolution regional earth system model. Climate Dynamics, 2023, 60, 127-145.	3.8	4
2642	The role of atmospheric dynamics and large-scale topography in driving heatwaves. Quarterly Journal of the Royal Meteorological Society, 2022, 148, 2344-2367.	2.7	9
2643	Global near real-time daily apparent temperature and heat wave dataset. Geoscience Data Journal, 2023, 10, 231-245.	4.4	1
2644	ECORISK2050: An Innovative Training Network for predicting the effects of global change on the emission, fate, effects, and risks of chemicals in aquatic ecosystems. Open Research Europe, 0, 1, 154.	2.0	0
2645	Association of Extreme Heat With All-Cause Mortality in the Contiguous US, 2008-2017. JAMA Network Open, 2022, 5, e2212957.	5.9	26
2647	Staying cool and eating junk: Influence of heat dissipation and anthropogenic food on foraging and body condition in an urban passerine. Landscape and Urban Planning, 2022, 226, 104465.	7.5	2
2648	Towards daily maximum heat index estimation across the conterminous United States using satellite-derived products. International Journal of Remote Sensing, 2022, 43, 2861-2884.	2.9	2
2649	Heat wave mitigation of ecosystems in mountain areas – a case study of the Upper Yangtze River basin. Ecosystem Health and Sustainability, 2022, 8, .	3.1	3
2650	Joint occurrence of heatwaves and ozone pollution and increased health risks in Beijing, China: role of synoptic weather pattern and urbanization. Atmospheric Chemistry and Physics, 2022, 22, 6523-6538.	4.9	28
2651	Future reversal of warming-enhanced vegetation productivity in the Northern Hemisphere. Nature Climate Change, 2022, 12, 581-586.	18.8	47
2652	Cooling Thermal Comfort and Efficiency Parameters of Ceiling Panels, Underfloor Cooling, Fan-Assisted Radiators, and Fan Coil. Energies, 2022, 15, 4156.	3.1	3
2653	Temperature tipping point affects the afforestation by exacerbating water stress impact in northern China. Catena, 2022, 216, 106420.	5.0	0
2654	Canopy cooling traits associated with yield performance in heat-stressed oat. European Journal of Agronomy, 2022, 139, 126555.	4.1	6
2655	Assessing the impact of urban microclimate on building energy demand by coupling CFD and building performance simulation. Journal of Building Engineering, 2022, 55, 104681.	3.4	11
2657	The emergence of prolonged deadly humid heatwaves. International Journal of Climatology, 2022, 42, 8607-8618.	3.5	2
2658	Food quality mediates responses of <i>Daphnia magna</i> life history traits and heat tolerance to elevated temperature. Freshwater Biology, 2022, 67, 1521-1531.	2.4	6
2659	Dynamics and characteristics of dry and moist heatwaves over East Asia. Npj Climate and Atmospheric Science, 2022, 5, .	6.8	34

#	ARTICLE	IF	CITATIONS
2660	Summer Marine Heatwaves in the Kuroshio-Oyashio Extension Region. <i>Remote Sensing</i> , 2022, 14, 2980.	4.0	5
2661	Climate change will amplify the inequitable exposure to compound heatwave and ozone pollution. <i>One Earth</i> , 2022, 5, 677-686.	6.8	14
2662	Heatstroke-induced late-onset neurological deficits in mice caused by white matter demyelination, Purkinje cell degeneration, and synaptic impairment in the cerebellum. <i>Scientific Reports</i> , 2022, 12, .	3.3	4
2663	Recent marine heatwaves in the North Pacific warming pool can be attributed to rising atmospheric levels of greenhouse gases. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	15
2664	Individual learning as a driver of changes in community vulnerability under repeated hurricanes and changing climate. <i>Risk Analysis</i> , 0, , .	2.7	0
2665	Yield and yield stability of single cropping maize under different sowing dates and the corresponding changing trends of climatic variables. <i>Field Crops Research</i> , 2022, 285, 108589.	5.1	12
2666	Global Land-Use Development Trends: Traditional Cultural Landscapes Under Threat. <i>Landscape Series</i> , 2022, , 129-199.	0.2	2
2667	The Extreme Heat Wave of Summer 2021 in Athens (Greece): Cumulative Heat and Exposure to Heat Stress. <i>Sustainability</i> , 2022, 14, 7766.	3.2	16
2668	Characteristics of and Changes in Summertime Flash Droughts in South Korea, 1982 ~ 2020. <i>Journal of Climate Change Research</i> , 2022, 13, 283-298.	0.4	1
2669	Human temperature regulation under heat stress in health, disease, and injury. <i>Physiological Reviews</i> , 2022, 102, 1907-1989.	28.8	69
2670	Temperature Extreme Events Decrease Endocrine and Immune Reactive Scope in Bullfrogs (<i>Lithobates catesbeianus</i>). <i>Integrative and Comparative Biology</i> , 2022, 62, 1671-1682.	2.0	4
2671	Association of ambient extreme heat with pediatric morbidity: a scoping review. <i>International Journal of Biometeorology</i> , 2022, 66, 1683-1698.	3.0	17
2672	Climate Change Related Catastrophic Rainfall Events and Non-Communicable Respiratory Disease: A Systematic Review of the Literature. <i>Climate</i> , 2022, 10, 101.	2.8	10
2673	Web-Based Data to Quantify Meteorological and Geographical Effects on Heat Stroke: Case Study in China. <i>GeoHealth</i> , 2022, 6, .	4.0	3
2674	Utility of the Heat Index in defining the upper limits of thermal balance during light physical activity (PSU HEAT Project). <i>International Journal of Biometeorology</i> , 2022, 66, 1759-1769.	3.0	9
2675	Shell thickness of <i>Nucella lapillus</i> in the North Sea increased over the last 130 years despite ocean acidification. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	6
2676	Climate Extremes are Becoming More Frequent, Co-occurring, and Persistent in Europe. <i>Anthropocene Science</i> , 2022, 1, 264-277.	2.9	8
2677	High-resolution spatio-temporal characteristics of urban evapotranspiration measured by unmanned aerial vehicle and infrared remote sensing. <i>Building and Environment</i> , 2022, 222, 109389.	6.9	10

#	ARTICLE	IF	CITATIONS
2678	Green building: A comprehensive solution to urban heat. <i>Energy and Buildings</i> , 2022, 271, 112306.	6.7	23
2679	Costs and benefits of combined sewer overflow management strategies at the European scale. <i>Journal of Environmental Management</i> , 2022, 318, 115629.	7.8	18
2680	Effects of urbanization intensity on glomalin-related soil protein in Nanchang, China: Influencing factors and implications for greenspace soil improvement. <i>Journal of Environmental Management</i> , 2022, 318, 115611.	7.8	9
2681	Mapping evapotranspirative and radiative cooling services in an urban environment. <i>Sustainable Cities and Society</i> , 2022, 85, 104051.	10.4	11
2682	Análisis de sinergias entre Isla de Calor Urbana y Olas de Calor mediante imágenes Sentinel 3 sobre la ciudad de Granada. <i>Revista De Teledeteccion</i> , 2022, , 1-15.	0.6	1
2683	Determining the summer indoor design parameters for pensioners' buildings based on the thermal requirements of elderly people at different ages. <i>Energy</i> , 2022, 258, 124854.	8.8	4
2684	Trans- and Within-Generational Developmental Plasticity May Benefit the Prey but Not Its Predator during Heat Waves. <i>Biology</i> , 2022, 11, 1123.	2.8	3
2685	Changing patterns of soil water content and relationship with national wheat and maize production in Europe. <i>European Journal of Agronomy</i> , 2022, 140, 126579.	4.1	3
2686	Tropical cyclone-blackout-heatwave compound hazard resilience in a changing climate. <i>Nature Communications</i> , 2022, 13, .	12.8	25
2687	Weak effects on growth and cannibalism under fluctuating temperatures in damselfly larvae. <i>Scientific Reports</i> , 2022, 12, .	3.3	0
2688	A review on the influencing factors of pavement surface temperature. <i>Environmental Science and Pollution Research</i> , 2022, 29, 67659-67674.	5.3	10
2689	The impact of humidity on Australia's operational heatwave services. <i>Climate Services</i> , 2022, 27, 100315.	2.5	4
2690	Association of summer temperatures and acute kidney injury in South Korea: a case-crossover study. <i>International Journal of Epidemiology</i> , 2023, 52, 774-782.	1.9	1
2691	Photosynthetic characteristics of subtending leaves and their relationships with soybean pod development under heat, drought and combined stresses. <i>Journal of Agronomy and Crop Science</i> , 2023, 209, 204-215.	3.5	7
2692	Contrasting Circulation Patterns of Dry and Humid Heatwaves Over Southern China. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	15
2693	Spurious effects of the deep convection parameterization on the simulation of a Sahelian heatwave. <i>Quarterly Journal of the Royal Meteorological Society</i> , 0, , .	2.7	0
2694	Impact of cold spells on COPD mortality in Jiangsu Province, China. <i>Environmental Science and Pollution Research</i> , 2023, 30, 6048-6054.	5.3	2
2695	Cascading impacts of a climate-driven ecosystem transition intensifies population vulnerabilities and fishery collapse. <i>Frontiers in Climate</i> , 0, 4, .	2.8	1

#	ARTICLE	IF	CITATIONS
2696	Chronically underestimated: a reassessment of US heat waves using the extended heat index. Environmental Research Letters, 2022, 17, 094017.	5.2	1
2697	Inter-Comparison of Diverse Heatwave Definitions in the Analysis of Spatiotemporally Contiguous Heatwave Events over China. Remote Sensing, 2022, 14, 4082.	4.0	2
2698	Soil water depletion induces discrepancies between in situ measured vegetation indices and photosynthesis in a temperate heathland. Agricultural and Forest Meteorology, 2022, 324, 109110.	4.8	4
2699	Mesoscale and local-scale climatology of extreme temperature events in Niigata, Japan. International Journal of Climatology, 2022, 42, 9897-9908.	3.5	2
2700	Daytime radiative cooling capacity of nanoparticle on thermoplastic polyurethane (TPU) film. Solar Energy, 2022, 245, 322-331.	6.1	10
2701	Effect modification of greenness on the association between heat and mortality: A multi-city multi-country study. EBioMedicine, 2022, 84, 104251.	6.1	15
2702	Resilient cooling through geothermal district energy system. Applied Energy, 2022, 325, 119880.	10.1	4
2703	Human Adaptation to Higher Ambient Temperature. Advances in Sustainability Science and Technology, 2022, , 109-128.	0.6	0
2704	Models and Forecasts on the Future Heat-Related Mortality Under Climate Change. Advances in Sustainability Science and Technology, 2022, , 129-154.	0.6	0
2705	Depopulation, super aging, and extreme heat events in South Korea. Climate Risk Management, 2022, 38, 100456.	3.2	1
2706	Yield penalty of maize (Zea mays L.) under heat stress in different growth stages: A review. Journal of Integrative Agriculture, 2022, 21, 2465-2476.	3.5	13
2707	Multisensor Machine Learning to Retrieve High Spatiotemporal Resolution Land Surface Temperature. IEEE Access, 2022, 10, 89221-89231.	4.2	1
2708	Changes in global heat waves and its socioeconomic exposure in a warmer future. Climate Risk Management, 2022, 38, 100459.	3.2	8
2709	Effects of Simulated Tropical Heatwaves During Development on Morphological and Reproductive Traits of Africanized Honey Bee (Apis Mellifera L.) Drones and Queens. SSRN Electronic Journal, 0, , .	0.4	0
2710	Climatologia das Ondas de Calor Registradas no Estado do Pará, Brasil. Revista Brasileira De Geografia Fisica, 2022, 15, 2525-2543.	0.1	0
2711	Spatial and Temporal Characteristics of High-Temperature Heat Wave Disasters in Chongqing. Atmosphere, 2022, 13, 1396.	2.3	0
2712	Mortality Associated with Extreme Heat in Washington State: The Historical and Projected Public Health Burden. Atmosphere, 2022, 13, 1392.	2.3	3
2713	Structures and Mechanisms of Heatwaves Related to Quasi-Biweekly Variability over Southern China. Journal of Climate, 2022, 35, 7981-7994.	3.2	3

#	ARTICLE	IF	CITATIONS
2714	Circulation and Soil Moisture Contributions to Heatwaves in the United States. <i>Journal of Climate</i> , 2022, 35, 8031-8048.	3.2	4
2715	An integrated cyberGIS and machine learning framework for fine-scale prediction of Urban Heat Island using satellite remote sensing and urban sensor network data. , 2022, 1, .		12
2716	Transcription dynamics of heat shock proteins in response to thermal acclimation in <i>Ostrinia furnacalis</i> . <i>Frontiers in Physiology</i> , 0, 13, .	2.8	6
2717	Integrating Copernicus land cover data into the i-Tree Cool Air model to evaluate and map urban heat mitigation by tree cover. <i>European Journal of Remote Sensing</i> , 2023, 56, .	3.5	3
2718	Assessment of hot weather seasonal temperatures over India using Monsoon Mission Coupled Forecasting System hindcasts. <i>International Journal of Climatology</i> , 0, , .	3.5	0
2721	Heatwaveâ€‘blocking relation change likely dominates over decrease in blocking frequency under global warming. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	9
2722	Rapid changes in heatwaves pose dual challenge in Eastern China and its adjacent seas. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	1
2723	Mitigating Effect of Urban Green Spaces on Surface Urban Heat Island during Summer Period on an Example of a Medium Size Town of Zvolen, Slovakia. <i>Remote Sensing</i> , 2022, 14, 4492.	4.0	4
2725	Linkages between Amplified Quasi-Stationary Waves and Humid Heat Extremes in Northern Hemisphere Midlatitudes. <i>Journal of Climate</i> , 2022, 35, 8245-8258.	3.2	7
2726	Adaptation strategies for urban warming: Assessing the impacts of heat waves on cooling capabilities in Chongqing, China. <i>Urban Climate</i> , 2022, 45, 101269.	5.7	4
2727	Strong influence of north Pacific Ocean variability on Indian summer heatwaves. <i>Nature Communications</i> , 2022, 13, .	12.8	8
2728	How Unexpected Was the 2021 Pacific Northwest Heatwave?. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	27
2729	One Health for All: Advancing Human and Ecosystem Health in Cities by Integrating an Environmental Justice Lens. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2022, 53, 403-426.	8.3	9
2731	Spatiotemporal Analysis of Urban Thermal Effects Caused by Heat Waves through Remote Sensing. <i>Sustainability</i> , 2022, 14, 12262.	3.2	5
2732	A heat shock 70kDa protein MaltHSP70-2 contributes to thermal resistance in <i>Monochamus alternatus</i> (Coleoptera: Cerambycidae): quantification, localization, and functional analysis. <i>BMC Genomics</i> , 2022, 23, .	2.8	2
2733	Societal vulnerability in the context of population agingâ€‘Perceptions of healthcare students' in Saudi Arabia. <i>Frontiers in Public Health</i> , 0, 10, .	2.7	0
2734	Plasticityâ€™s role in adaptive evolution depends on environmental change components. <i>Trends in Ecology and Evolution</i> , 2022, 37, 1067-1078.	8.7	29
2735	Acute exposure to high temperature affects expression of heat shock proteins in altricial avian embryos. <i>Journal of Thermal Biology</i> , 2022, , 103347.	2.5	0

#	ARTICLE	IF	CITATIONS
2736	Interaction between reduced pH and multiple stressors affects the physiology of the fiddler crab <i>Leptuca thayeri</i> (Rathbun, 1900) (Decapoda: Brachyura: Ocypodidae). <i>Journal of Crustacean Biology</i> , 2022, 42, .	0.8	3
2738	Development of a modified thermal humidity index and its application to human thermal comfort of urban vegetation patches. <i>Ecosystem Health and Sustainability</i> , 2022, 8, .	3.1	3
2739	Quantitative influences of interannual variations in meteorological factors on surface ozone concentration in the hot summer of 2018 in Japan. <i>Atmospheric Environment: X</i> , 2022, , 100191.	1.4	0
2740	Nature-based solutions for urban heat mitigation in historical and cultural block: The case of Beijing Old City. <i>Building and Environment</i> , 2022, 225, 109600.	6.9	11
2741	Evaluation of earth observation datasets for LST trends over India and its implication in global warming. <i>Ecological Informatics</i> , 2022, 72, 101843.	5.2	11
2742	Trends in synoptic heat events in four Minnesota urban areas through the 21st century. <i>Urban Climate</i> , 2022, 46, 101307.	5.7	0
2743	Globally unequal effect of extreme heat on economic growth. <i>Science Advances</i> , 2022, 8, .	10.3	35
2744	Thermal sensitivity across forest vertical profiles: patterns, mechanisms, and ecological implications. <i>New Phytologist</i> , 2023, 237, 22-47.	7.3	21
2745	Global urban exposure projections to extreme heatwaves. <i>Frontiers in Built Environment</i> , 0, 8, .	2.3	3
2746	Urban heat vulnerability: A dynamic assessment using multi-source data in coastal metropolis of Southeast China. <i>Frontiers in Public Health</i> , 0, 10, .	2.7	6
2747	Climate-mediated shifts in temperature fluctuations promote extinction risk. <i>Nature Climate Change</i> , 2022, 12, 1037-1044.	18.8	15
2748	Evaluation of Bioclimatic Discomfort Trend in a Central Area of the Mediterranean Sea. <i>Climate</i> , 2022, 10, 146.	2.8	3
2749	Disturbances in North American boreal forest and Arctic tundra: impacts, interactions, and responses. <i>Environmental Research Letters</i> , 2022, 17, 113001.	5.2	12
2750	Detection and attribution of the summer length changes in the Northern Hemisphere. <i>Climate Dynamics</i> , 0, , .	3.8	1
2751	Effects of topographic and meteorological parameters on the surface area loss of ice aprons in the Mont Blanc massif (European Alps). <i>Cryosphere</i> , 2022, 16, 4251-4271.	3.9	5
2752	Importance of assessing outdoor thermal comfort and its use in urban adaptation strategies: a case study of Banja Luka (Bosnia and Herzegovina). <i>Theoretical and Applied Climatology</i> , 2022, 150, 1425-1441.	2.8	6
2753	Summertime variability of aerosols and covariates over Saudi Arabia using remote sensing. <i>Air Quality, Atmosphere and Health</i> , 0, , .	3.3	2
2754	Tree species matter for forest microclimate regulation during the drought year 2018: disentangling environmental drivers and biotic drivers. <i>Scientific Reports</i> , 2022, 12, .	3.3	6

#	ARTICLE	IF	CITATIONS
2755	Long-term drought effects on the thermal sensitivity of Amazon forest trees. <i>Plant, Cell and Environment</i> , 2023, 46, 185-198.	5.7	8
2756	HFR1, a bHLH Transcriptional Regulator from <i>Arabidopsis thaliana</i> , Improves Grain Yield, Shade and Osmotic Stress Tolerances in Common Wheat. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12057.	4.1	2
2758	Field thermo acclimation increases the resilience of <i>Posidonia oceanica</i> seedlings to marine heat waves. <i>Marine Pollution Bulletin</i> , 2022, 184, 114230.	5.0	9
2759	Thermotherapy as an alternative to exercise for metabolic health in obese postmenopausal women: focus on circulating irisin level. <i>Korean Journal of Physiology and Pharmacology</i> , 2022, 26, 501-509.	1.2	0
2760	Forecasting extreme weather events and associated impacts: case studies. , 2023, , 131-325.		1
2761	Overview of extreme weather events, impacts and forecasting techniques. , 2023, , 1-86.		0
2762	Climate change mitigation by coral reefs and seagrass beds at risk: How global change compromises coastal ecosystem services. <i>Science of the Total Environment</i> , 2023, 857, 159576.	8.0	8
2763	Design for Better Ambient Temperature Experiences. , 2022, , 431-438.		0
2764	Stoichiometric stability of aquatic organisms increases with trophic level under warming and eutrophication. <i>Science of the Total Environment</i> , 2023, 858, 160106.	8.0	4
2765	Microclimate investigation of vehicular traffic on the urban heat island through IoT-Based device. <i>Heliyon</i> , 2022, 8, e11739.	3.2	3
2766	Scientists' warning on climate change and insects. <i>Ecological Monographs</i> , 2023, 93, .	5.4	90
2767	The 2021 European Heat Wave in the Context of Past Major Heat Waves. <i>Earth and Space Science</i> , 2022, 9, .	2.6	18
2768	Changes in day-night dominance of combined day and night heatwave events in China during 1979-2018. <i>Environmental Research Letters</i> , 2022, 17, 114058.	5.2	4
2769	Two different propagation patterns of spatiotemporally contiguous heatwaves in China. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	9
2770	An evaluation of the retrofit net zero building performances: life cycle energy, emissions and cost. <i>Building Research and Information</i> , 0, , 1-13.	3.9	0
2771	Subseasonal predictability of onset, duration, and intensity of European heat extremes. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2023, 149, 84-101.	2.7	2
2772	A ~700 years perspective on the 21st century drying in the eastern part of Europe based on $\delta^{18}O$ in tree ring cellulose. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	11
2773	Spatial Distribution of High-temperature Risk with a Return Period of Different Years in the Yangtze River Delta Urban Agglomeration. <i>Chinese Geographical Science</i> , 2022, 32, 963-978.	3.0	2

#	ARTICLE	IF	CITATION
2774	Geographic and socioeconomic differences in heat-related mortality among the Dutch population: a time series analysis. <i>BMJ Open</i> , 2022, 12, e058185.	1.9	1
2775	The week that will be: Communicating the impact of climate change via extreme weeks. <i>Building and Environment</i> , 2022, , 109809.	6.9	0
2776	Anthropogenic Contributions to the 2021 Pacific Northwest Heatwave. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	19
2777	The contribution of urbanisation and climate conditions to increased urban heat load in Zagreb (Croatia) since the 1960s. <i>Urban Climate</i> , 2022, 46, 101343.	5.7	6
2778	Analysis of urban Heat Island intensity through air mass persistence: A case study of four United States cities. <i>Urban Climate</i> , 2023, 47, 101345.	5.7	1
2779	Synergies and exacerbationsâ€”effects of warmer weather and climate change. , 2023, , 73-121.		0
2780	Extreme heat and climate change. , 2023, , 5-36.		0
2781	High-resolution spatiotemporal modeling of daily near-surface air temperature in Germany over the period 2000â€”2020. <i>Environmental Research</i> , 2023, 219, 115062.	7.5	5
2782	âœŸä½“-â\$æ”ç, ä”ä½œç””ä, âœŸè”è¼¼â†“³ä@šæ€šç”ç©¶. <i>Diqui Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Science - Journal of Geosciences</i> , 2022, 47, 3701.	0.5	1
2783	ASSESSMENT OF MODEL GRASS PLOTS OF THE CITY OF KYIV IN ECO-CONDITIONS OF ANTHROPOGENIC LOAD. <i>Ukrainian Journal of Forest and Wood Science</i> , 2022, 13, .	0.2	0
2784	2021 North American heatwave amplified by climate change-driven nonlinear interactions. <i>Nature Climate Change</i> , 2022, 12, 1143-1150.	18.8	47
2785	Near-term regional climate change in East Africa. <i>Climate Dynamics</i> , 2023, 61, 961-978.	3.8	6
2786	Recovery from heatâ€”induced infertilityâ€”A study of reproductive tissue responses and fitness consequences in male <i>Drosophila melanogaster</i> . <i>Ecology and Evolution</i> , 2022, 12, .	1.9	8
2787	Abnormal ambient temperature change increases the risk of out-of-hospital cardiac arrest: A systematic review and meta-analysis of exposure types, risk, and vulnerable populations. <i>Science of the Total Environment</i> , 2023, 861, 160554.	8.0	4
2788	Spatial Heterogeneity and Temporal Variation in Urban Surface Albedo Detected by High-Resolution Satellite Data. <i>Remote Sensing</i> , 2022, 14, 6166.	4.0	2
2790	Impact of heat waves on egg survival and biological performance across life stages in the Asian corn borer. <i>Entomologia Experimentalis Et Applicata</i> , 2023, 171, 129-137.	1.4	1
2791	Frequency and Magnitude of Heat and Cold Waves over India. , 2023, , 171-187.		0
2792	European heatwave tracks: using causal discovery to detect recurring pathways in a single-regional climate model large ensemble. <i>Environmental Research Letters</i> , 2023, 18, 014038.	5.2	2

#	ARTICLE	IF	CITATIONS
2793	Experimental heatwaves disrupt bumblebee foraging through direct heat effects and reduced nectar production. <i>Functional Ecology</i> , 2023, 37, 591-601.	3.6	11
2794	Changes in land-atmosphere coupling increase compound drought and heatwaves over northern East Asia. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	12
2795	Impacts of extreme climatic events on trophic network complexity and multidimensional stability. <i>Ecology</i> , 2023, 104, .	3.2	6
2796	A Comparative Analysis of Characteristics and Synoptic Backgrounds of Extreme Heat Events over Two Urban Agglomerations in Southeast China. <i>Land</i> , 2022, 11, 2235.	2.9	0
2797	Building a macrosystems ecology framework to identify links between environmental and human health: A random forest modelling approach. <i>People and Nature</i> , 2023, 5, 183-197.	3.7	1
2798	European heatwaves in present and future climate simulations: a Lagrangian analysis. <i>Weather and Climate Dynamics</i> , 2022, 3, 1439-1459.	3.5	4
2799	Projected values of thermal and precipitation climate indices for the broader Carpathian region based on EURO-CORDEX simulations. <i>Hungarian Geographical Bulletin</i> , 2022, 71, 325-347.	0.9	1
2800	Regime shift increase in East Asia's summer extreme hot day frequency across the late 1990s. <i>International Journal of Climatology</i> , 2023, 43, 2305-2317.	3.5	1
2801	Prediction and projection of heatwaves. <i>Nature Reviews Earth & Environment</i> , 2023, 4, 36-50.	29.7	43
2802	Decadal variation of the summer extreme high temperature days in northern Eurasia during 1960â€“2018. <i>Frontiers in Earth Science</i> , 0, 10, .	1.8	0
2803	Long-Term Variations in Warm and Cold Events in Nanjing, China: Roles of Synoptic Weather Patterns and Urbanization. <i>Land</i> , 2023, 12, 162.	2.9	0
2804	Differential effects of low and high temperature stress on pollen germination and tube length of mango (<i>Mangifera indica</i> L.) genotypes. <i>Scientific Reports</i> , 2023, 13, .	3.3	7
2805	Beyond Usual Geographical Scales of Analysis: Implications for Healthcare Management and Urban Planning. <i>Portuguese Journal of Public Health</i> , 2022, 40, 140-154.	0.5	0
2806	Metal Exposure and Sex Shape the Fatty Acid Profile of Midges and Reduce the Aquatic Subsidy to Terrestrial Food Webs. <i>Environmental Science & Technology</i> , 2023, 57, 951-962.	10.0	7
2807	A physical analysis of summertime North American heatwaves. <i>Climate Dynamics</i> , 2023, 61, 1551-1565.	3.8	4
2808	Classification of extreme heatwave events in the Northern Hemisphere through a new method. <i>Climate Dynamics</i> , 2023, 61, 1947-1969.	3.8	3
2809	Future temperature extremes threaten land vertebrates. <i>Nature</i> , 2023, 615, 461-467.	27.8	24
2810	Role of Landâ€“Atmosphere Interaction in the 2016 Northeast Asia Heat Wave: Impact of Soil Moisture Initialization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2023, 128, .	3.3	3

#	ARTICLE	IF	CITATIONS
2811	Spatio-Temporal Analysis of Heatwaves Characteristics in Greece from 1950 to 2020. <i>Climate</i> , 2023, 11, 5.	2.8	8
2813	The ecological consequences of the timing of extreme climate events. <i>Ecology and Evolution</i> , 2023, 13, .	1.9	2
2814	Delineating and characterizing changes in heat wave events across the United States climate regions. <i>Climatic Change</i> , 2023, 176, .	3.6	3
2815	Future changes in extreme heatwaves in terms of intensity and duration over the CORDEX-East Asia Phase Two domain using multi-GCM and multi-RCM chains. <i>Environmental Research Letters</i> , 2023, 18, 034007.	5.2	8
2816	Climate Change-Related Demographic and Health Research: Data and Approaches. National Symposium on Family Issues, 2023, , 43-66.	0.2	0
2817	Mortality Risk Related to Heatwaves in Dezful City, Southwest of Iran. <i>Environmental Health Insights</i> , 2023, 17, 117863022311515.	1.7	0
2818	European heatwaves: Link to large-scale circulation patterns and intraseasonal drivers. <i>International Journal of Climatology</i> , 2023, 43, 3189-3209.	3.5	3
2819	The interactions between urban heat island and heat waves amplify urban warming in Guangzhou, China: Roles of urban ventilation and local climate zones. <i>Frontiers in Environmental Science</i> , 0, 11, .	3.3	5
2820	Rapid remodeling of the soil lipidome in response to a drying-rewetting event. <i>Microbiome</i> , 2023, 11, .	11.1	3
2821	Territory Differences in Adaptation to Heat among Persons Aged 65 Years and Over in Spain (1983â€“2018). <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 4168.	2.6	1
2822	The impact of cold waves and heat waves on mortality: Evidence from a lower middle-income country. <i>Health Economics (United Kingdom)</i> , 2023, 32, 1220-1243.	1.7	3
2823	Decadal trend of synoptic temperature variability over the Northern Hemisphere in winter. <i>Theoretical and Applied Climatology</i> , 2023, 152, 829-842.	2.8	0
2825	Large spread in the representation of compound long-duration dry and hot spells over Europe in CMIP5. <i>Weather and Climate Dynamics</i> , 2023, 4, 309-329.	3.5	0
2826	Compound climate extremes in China: Trends, causes, and projections. <i>Atmospheric Research</i> , 2023, 286, 106675.	4.1	11
2827	Chemical drivers of ozone change in extreme temperatures in eastern China. <i>Science of the Total Environment</i> , 2023, 874, 162424.	8.0	12
2828	Role of local climate zones and urban ventilation in canopy urban heat islandâ€“heatwave interaction in Nanjing megacity, China. <i>Urban Climate</i> , 2023, 49, 101474.	5.7	7
2829	Microbiological risks increased by ammonia-oxidizing bacteria under global warming: The neglected issue in chloraminated drinking water distribution system. <i>Science of the Total Environment</i> , 2023, 874, 162353.	8.0	6
2830	Physiological Mechanisms of Acute Upper Thermal Tolerance in Fish. <i>Physiology</i> , 2023, 38, 141-158.	3.1	24

#	ARTICLE	IF	CITATIONS
2831	Heatwaves, elevated temperatures, and a pesticide cause interactive effects on multi-trophic levels of a freshwater ecosystem. <i>Environmental Pollution</i> , 2023, 327, 121498.	7.5	5
2832	Seasonal forecasting of pest population dynamics based on downscaled SEAS5 forecasts. <i>Ecological Modelling</i> , 2023, 480, 110326.	2.5	2
2833	Changes in the associations between heatwaves and human mortality during two extreme hot summers in Shanghai, China. <i>Sustainable Cities and Society</i> , 2023, 95, 104581.	10.4	3
2834	The Forest Resistance to Droughts Differentiated by Tree Height in Central Europe. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2023, 128, .	3.0	1
2835	High-resolution intra-urban assessments of future heat events and heat waves for the city of Augsburg, Germany. <i>Urban Climate</i> , 2023, 49, 101472.	5.7	0
2836	Identification of factors affecting public willingness to pay for heat mitigation and adaptation: Evidence from Guangzhou, China. <i>Urban Climate</i> , 2023, 48, 101405.	5.7	31
2837	Extreme temperature events reduced carbon uptake of a boreal forest ecosystem in Northeast China: Evidence from an 11-year eddy covariance observation. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	2
2838	Diurnal and interannual variations of canopy urban heat island (CUHI) effects over a mountainâ€‘valley city with a semi-arid climate. <i>Urban Climate</i> , 2023, 48, 101425.	5.7	14
2839	Heatwave and mental health. <i>Journal of Environmental Management</i> , 2023, 332, 117385.	7.8	13
2840	Advanced seasonal predictions for vine management based on bioclimatic indicators tailored to the wine sector. <i>Climate Services</i> , 2023, 30, 100343.	2.5	1
2841	Environment-induced heat stress causes structural and biochemical changes in the heart. <i>Journal of Thermal Biology</i> , 2023, 113, 103492.	2.5	2
2842	Rangeâ€‘edge populations of seaweeds show niche unfilling and poor adaptation to increased temperatures. <i>Journal of Biogeography</i> , 2023, 50, 780-791.	3.0	0
2843	Heatwave Variability and Structure in South Africa during Summer Drought. <i>Climate</i> , 2023, 11, 38.	2.8	4
2844	Deeper habitats and cooler temperatures moderate a climate-driven seagrass disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2023, 378, .	4.0	5
2845	Analysing the Impact of Carbon Emissions and Non-Renewable Energy Use on Infant and Under-5 Mortality Rates in Europe: New Evidence Using Panel Quantile Regression. <i>Environmental Modeling and Assessment</i> , 2023, 28, 389-403.	2.2	5
2846	Euendolithic Infestation of Mussel Shells Indirectly Improves the Thermal Buffering Offered by Mussel Beds to Associated Molluscs, but One Size Does Not Fit All. <i>Diversity</i> , 2023, 15, 239.	1.7	0
2847	Sperm canâ€™t take the heat: Short-term temperature exposures compromise fertility of male bumble bees (<i>Bombus impatiens</i>). <i>Journal of Insect Physiology</i> , 2023, 146, 104491.	2.0	3
2848	Simulated heat waves promote the growth but suppress the N2 fixation rates of <i>Dolichospermum</i> spp. and cyanobacterial communities in temperate lakes. <i>Ecological Indicators</i> , 2023, 147, 109983.	6.3	4

#	ARTICLE	IF	CITATIONS
2849	Effect of Urbanism on Land Surface Temperature (LST) in a River Basin and an Urban Agglomeration. Springer Climate, 2023, , 345-365.	0.6	0
2850	Observed changes in summer thermal discomfort over Indian region during 1990â€“2020. Journal of Earth System Science, 2023, 132, .	1.3	2
2851	Effect of PACAP on Heat Exposure. International Journal of Molecular Sciences, 2023, 24, 3992.	4.1	0
2852	Unprecedented 21st century heat across the Pacific Northwest of North America. Npj Climate and Atmospheric Science, 2023, 6, .	6.8	14
2853	When Will the Unprecedented 2022 Summer Heat Waves in Yangtze River Basin Become Normal in a Warming Climate?. Geophysical Research Letters, 2023, 50, .	4.0	26
2854	Identification and Analysis of Heatwave Events Considering Temporal Continuity and Spatial Dynamics. Remote Sensing, 2023, 15, 1369.	4.0	3
2855	Future Changes in Thermal Bioclimate Conditions over West Bengal, India, Based on a Climate Model. Atmosphere, 2023, 14, 505.	2.3	2
2856	Passive mitigation of overheating in Finnish apartments under current and future climates. Indoor and Built Environment, 2023, 32, 1372-1392.	2.8	3
2857	Acute and chronic impacts of heat stress on planetary health. Allergy: European Journal of Allergy and Clinical Immunology, 2023, 78, 2109-2120.	5.7	4
2858	How will climatic warming affect insect pollinators?. Advances in Insect Physiology, 2023, , 1-115.	2.7	4
2859	Interactive effects of rising temperatures and urbanisation on birds across different climate zones: A mechanistic perspective. Global Change Biology, 2023, 29, 2399-2420.	9.5	9
2860	Large humidity effects on urban heat exposure and cooling challenges under climate change. Environmental Research Letters, 2023, 18, 044024.	5.2	6
2861	Cold-water habitats, climate refugia, and their utility for conserving salmonid fishes. Canadian Journal of Fisheries and Aquatic Sciences, 2023, 80, 1187-1206.	1.4	6
2862	Disproportional vulnerability of mountain aquatic invertebrates to climate change effects. Arctic, Antarctic, and Alpine Research, 2023, 55, .	1.1	3
2863	Constraining nonlinear time series modeling with the metabolic theory of ecology. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	3
2864	Techniques to preprocess the climate projectionsâ€”a review. Theoretical and Applied Climatology, 2023, 152, 521-533.	2.8	0
2865	Air pollution and COPD: GOLD 2023 committee report. European Respiratory Journal, 2023, 61, 2202469.	6.7	5
2866	Tree Traits and Microclimatic Conditions Determine Cooling Benefits of Urban Trees. Atmosphere, 2023, 14, 606.	2.3	6

#	ARTICLE	IF	CITATIONS
2868	Short-term impact of an extreme weather event on the threatened Dupont's Lark <i>Chersophilus duponti</i> . Bird Conservation International, 2023, 33, .	1.3	1
2869	Wind speed, sun exposure and water status alter sunburn susceptibility of grape berries. Frontiers in Plant Science, 0, 14, .	3.6	4
2870	Effect of thallus melanisation on the sensitivity of lichens to heat stress. Scientific Reports, 2023, 13, .	3.3	0
2871	Meteorological history of low-forest-greenness events in Europe in 2002–2022. Biogeosciences, 2023, 20, 1155-1180.	3.3	4
2872	Study on the Occurrence Law of High and Low Temperature in Suqian City and Its Relationship with Soil Moisture. Climate Change Research Letters, 2023, 12, 438-448.	0.1	0
2873	Reproducing during Heat Waves: Influence of Juvenile and Adult Environment on Fecundity of a Pest Mite and Its Predator. Biology, 2023, 12, 554.	2.8	1
2874	Current AMO mitigating extreme high temperatures in Central Asia under global warming. International Journal of Climatology, 2023, 43, 3947-3962.	3.5	0
2875	Spatiotemporal variations of the global compound heat wave and the drivers of its spatial heterogeneity. Journal of Cleaner Production, 2023, 408, 137201.	9.3	3
2876	Climate Change, Extreme Temperatures and Sex-Related Responses in Spiders. Biology, 2023, 12, 615.	2.8	0
2877	Influence of High Temperature Stress on Grain Crops. , 2023, , 371-389.		1
2878	Model test study on the protection of expansive soil slope with polymer waterproof coating. Geotextiles and Geomembranes, 2023, , .	4.6	1
2879	Upcycling Chips–Bags for Passive Daytime Cooling. Advanced Materials Technologies, 0, , .	5.8	1
2880	Risk of heatstroke in healthy elderly during heatwaves: A thermoregulatory modeling study. Building and Environment, 2023, 237, 110324.	6.9	5
2881	An emergent treat: Marine heatwaves - Implications for marine decapod crustacean species - An overview. Environmental Research, 2023, 229, 116004.	7.5	2
2882	Importance of humidity for characterization and communication of dangerous heatwave conditions. Npj Climate and Atmospheric Science, 2023, 6, .	6.8	3
2883	Historic evolution of population exposure to heatwaves in Xinjiang Uygur Autonomous Region, China. Scientific Reports, 2023, 13, .	3.3	1
2884	Enzymatic responses reveal different physiological strategies employed by eurytolerant fish during extreme hot and cold cycling acclimation temperatures. Journal of Thermal Biology, 2023, 114, 103578.	2.5	1
2885	Decadal variability of extreme high temperature in mid- and high-latitude Asia and its associated North Atlantic air–sea interaction. Climate Dynamics, 0, , .	3.8	0

#	ARTICLE	IF	CITATIONS
2886	Increasing heatwave with associated population and <scp>GDP</scp> exposure in North China. International Journal of Climatology, 2023, 43, 4716-4732.	3.5	4
2887	Interactions between the summer urban heat islands and heat waves in Beijing during 2000â€“2018. Atmospheric Research, 2023, 291, 106813.	4.1	5
2888	Exertional Heat Stroke and Rhabdomyolysis: A Medical Record Review and Patient Perspective on Management and Long-Term Symptoms. Sports Medicine - Open, 2023, 9, .	3.1	1
2889	Subseasonal processes of triple extreme heatwaves over the Yangtze River Valley in 2022. Weather and Climate Extremes, 2023, 40, 100572.	4.1	11
2890	Contrasting effects of lake breeze and urbanization on heat stress in Chicago metropolitan area. Urban Climate, 2023, 48, 101429.	5.7	8
2891	The synergistic effect of the summer NAO and northwest pacific SST on extreme heat events in the centralâ€“eastern China. Climate Dynamics, 2023, 61, 4283-4300.	3.8	4
2892	Analysis of long- and short-term biometeorological conditions in the Republic of Serbia. International Journal of Biometeorology, 2023, 67, 1105-1123.	3.0	3
2893	Surviving in Changing Forests: Abiotic Disturbance Legacy Effects on Arthropod Communities of Temperate Forests. Current Forestry Reports, 2023, 9, 189-218.	7.4	11
2894	A comparative study on CNN-based semantic segmentation of intertidal mussel beds. Ecological Informatics, 2023, 75, 102116.	5.2	1
2895	Fitting statistical probability distribution for evaporation in western Brazil. Journal of South American Earth Sciences, 2023, 127, 104367.	1.4	0
2896	Impact of climatic conditions on radial growth of non-native Cedrus libani compared to native conifers in Central Europe. PLoS ONE, 2023, 18, e0275317.	2.5	0
2897	Future population exposure to heatwaves in 83 global megacities. Science of the Total Environment, 2023, 888, 164142.	8.0	7
2898	Northâ€“West Europe Hottest Days Are Warming Twice as Fast as Mean Summer Days. Geophysical Research Letters, 2023, 50, .	4.0	5
2899	Bidimensional climatology and trends of Northern Hemisphere blocking utilizing a new detection method. Quarterly Journal of the Royal Meteorological Society, 2023, 149, 1932-1952.	2.7	7
2900	Anthropogenic climate change exacerbates the risk of successive flood-heat extremes: Multi-model global projections based on the Inter-Sectoral Impact Model Intercomparison Project. Science of the Total Environment, 2023, 889, 164274.	8.0	2
2901	The unprecedented spatial extent and intensity of the 2021 summer extreme heatwave event over the Western North American regions. Weather and Climate Extremes, 2023, 41, 100576.	4.1	2
2902	Future extreme high-temperature risk in the Beijing-Tianjin-Hebei urban agglomeration of China based on a regional climate model coupled with urban parameterization scheme. Theoretical and Applied Climatology, 2023, 153, 621-634.	2.8	0
2903	Constructed wetlands for the treatment of combined sewer overflow upstream of centralized wastewater treatment plants. Ecological Engineering, 2023, 193, 107008.	3.6	1

#	ARTICLE	IF	CITATIONS
2904	Multi-scale relationships in thermal limits within and between two cold-water frog species uncover different trends in physiological vulnerability. <i>Freshwater Biology</i> , 2023, 68, 1267-1278.	2.4	4
2906	Immediate and delayed effects of a heatwave and <i>Prorocentrum lima</i> ((Ehrenberg) Stein 1878) bloom on the toxin accumulation, physiology, and survival of the oyster <i>Magallana gigas</i> (Thunberg, 1793). <i>Science of the Total Environment</i> , 2023, 892, 164485.	8.0	0
2907	Effects of short-term extreme temperature treatment on the development and reproductive capacity of <i>Encarsia formosa</i> . <i>Frontiers in Physiology</i> , 0, 14, .	2.8	1
2908	Abrupt and acclimation responses to changing temperature elicit divergent physiological effects in the diatom <i>Phaeodactylum tricornutum</i> . <i>New Phytologist</i> , 2023, 239, 1005-1013.	7.3	2
2909	Evolution of the local climate in Montreal and Ottawa before, during and after a heatwave and the effects on urban heat islands. <i>Science of the Total Environment</i> , 2023, 890, 164497.	8.0	3
2910	Temperature variability over Dokriani glacier region, Western Himalaya, India. <i>Quaternary International</i> , 2023, 664, 33-41.	1.5	1
2911	Transgenic strategies to improve the thermotolerance of photosynthesis. <i>Photosynthesis Research</i> , 0, .	2.9	1
2912	Machine and deep learning for modelling heat-health relationships. <i>Science of the Total Environment</i> , 2023, 892, 164660.	8.0	4
2914	Spatio-Temporal Analysis of Simulated Summer Extreme Precipitation Events under RCP4.5 Scenario in the Middle and Lower Reaches of the Yangtze River Basin. <i>Sustainability</i> , 2023, 15, 9218.	3.2	2
2915	The Most Effective Remote Forcing in Causing U.S.-Wide Heat Extremes as Revealed by CESM Green's Function Experiments. <i>Geophysical Research Letters</i> , 2023, 50, .	4.0	0
2916	Microplastics Weaken the Adaptability of <i>Cyanobacterium Synechococcus</i> sp. to Ocean Warming. <i>Environmental Science & Technology</i> , 2023, 57, 9005-9017.	10.0	4
2917	On their way to the north: larval performance of <i>Hemigrapsus sanguineus</i> invasive on the European coast—a comparison with the native European population of <i>Carcinus maenas</i> . <i>Biological Invasions</i> , 2023, 25, 3119-3136.	2.4	4
2918	Investigation of heat stress on urban roadways for commuting children and mitigation strategies from the perspective of urban design. <i>Urban Climate</i> , 2023, 49, 101564.	5.7	4
2919	Extreme Heat Events over Southeast Europe Based on NEX-GDDP Ensemble: Present Climate Evaluation and Future Projections. <i>Atmosphere</i> , 2023, 14, 1000.	2.3	1
2920	How can physiology best contribute to wildlife conservation in a warming world?. , 2023, 11, .		3
2921	Enhanced Influence of Tropical Pacific Sea Surface Temperature Anomalies on Spring Extreme Heat Events Over Mid-High Latitude Eurasia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2023, 128, .	3.3	1
2922	Impact of Tibetan Plateau Spring Snow on the Summer Heat Wave Frequency Over the Indochina Peninsula. <i>Journal of Geophysical Research D: Atmospheres</i> , 2023, 128, .	3.3	0
2923	Decadal decline of dominant copepod species in the North Sea is associated with ocean warming: Importance of marine heatwaves. <i>Marine Pollution Bulletin</i> , 2023, 193, 115159.	5.0	4

#	ARTICLE	IF	CITATIONS
2924	Differential temperature sensitivity of intracellular metabolic processes and extracellular soil enzyme activities. <i>Biogeosciences</i> , 2023, 20, 2207-2219.	3.3	0
2925	Large-scale climate patterns offer preseasonal hints on the co-occurrence of heat wave and O ₃ pollution in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.1	7
2926	Summertime climatic effects of urbanization and their impacts on human thermal comfort in Xiangjiang watershed, South-Central China. <i>Urban Climate</i> , 2023, 50, 101582.	5.7	2
2927	Global future population exposure to heatwaves. <i>Environment International</i> , 2023, 178, 108049.	10.0	6
2928	Variation in thermotolerance of photosystem II energy trapping, intersystem electron transport, and photosystem I electron acceptor reduction for diverse cotton genotypes. <i>Plant Physiology and Biochemistry</i> , 2023, 201, 107868.	5.8	4
2929	Combined threats of climate change and contaminant exposure through the lens of bioenergetics. <i>Global Change Biology</i> , 0, , .	9.5	0
2930	Heat shock exposure during early wheat grain development can reduce maximum endosperm cell number but not necessarily final grain dry mass. <i>PLoS ONE</i> , 2023, 18, e0285218.	2.5	0
2931	Increasing likelihood of global compound hot-dry extremes from temperature and runoff during the past 120Ayears. <i>Journal of Hydrology</i> , 2023, 621, 129553.	5.4	7
2933	Climate change will exacerbate population exposure to future heat waves in the China-Pakistan economic corridor. <i>Weather and Climate Extremes</i> , 2023, 40, 100570.	4.1	6
2934	Local mechanisms for global daytime, nighttime, and compound heatwaves. <i>Npj Climate and Atmospheric Science</i> , 2023, 6, .	6.8	7
2935	Frequent heatwaves limit the indirect growth effect of urban vegetation in China. <i>Sustainable Cities and Society</i> , 2023, 96, 104662.	10.4	2
2938	The onset of stratospheric final warming and recordâ€‘breaking April surface warming over Central Asia in 2022. <i>Dynamics of Atmospheres and Oceans</i> , 2023, 103, 101373.	1.8	1
2939	The interannual impact of the North Atlantic sea surface temperature on the surface air temperature over southern China in February. <i>Climate Dynamics</i> , 0, , .	3.8	0
2940	Thermal stress influence on the productive and economic effectiveness of Holstein-Friesian dairy cows in temperate climate. <i>Annals of Animal Science</i> , 2023, 23, 887-896.	1.6	0
2941	Vegetation-induced asymmetric diurnal land surface temperatures changes across global climate zones. <i>Science of the Total Environment</i> , 2023, 896, 165255.	8.0	5
2942	Reduced male fertility of an Antarctic mite following extreme heat stress could prompt localized population declines. <i>Cell Stress and Chaperones</i> , 2023, 28, 541-549.	2.9	1
2943	Effects of heat waves on telomere dynamics and parental brooding effort in nestlings of the zebra finch (<i>Taeniopygia castanotis</i>) transitioning from ectothermy to endothermy. <i>Molecular Ecology</i> , 2023, 32, 4911-4920.	3.9	2
2944	Evaluation and Analysis of the Effectiveness of the Main Mitigation Measures against Surface Urban Heat Islands in Different Local Climate Zones through Remote Sensing. <i>Sustainability</i> , 2023, 15, 10410.	3.2	3

#	ARTICLE	IF	CITATIONS
2945	Risks of synchronized low yields are underestimated in climate and crop model projections. <i>Nature Communications</i> , 2023, 14, .	12.8	19
2946	Changes in the midsummer extreme high-temperature events over the Yangtze River Valley associated with the thermal effect of the Tibetan Plateau and Arctic Oscillation. <i>Atmospheric Research</i> , 2023, 293, 106911.	4.1	1
2947	The consequences of heatwaves for animal reproduction are timingâ€dependent. <i>Functional Ecology</i> , 0, , .	3.6	1
2948	Age alters the thermoregulatory responses to extreme heat exposure with accompanying activities of daily living. <i>Journal of Applied Physiology</i> , 2023, 135, 445-455.	2.5	4
2949	Multi-city assessments of human exposure to extreme heat during heat waves in the United States. <i>Remote Sensing of Environment</i> , 2023, 295, 113700.	11.0	4
2950	Short- and long-term warming events on photosynthetic physiology, growth, and yields of field grown crops. <i>Biochemical Journal</i> , 2023, 480, 999-1014.	3.7	1
2951	Experimental Analysis of the Influence of the Opening and Closing Behavior of Building Doors and Windows on the Refrigeration Characteristics of Single Air Conditioner. , 2023, , .		0
2954	Climatic and Economic Background Determine the Disparities in Urbanitesâ€™™ Expressed Happiness during the Summer Heat. <i>Environmental Science & Technology</i> , 2023, 57, 10951-10961.	10.0	8
2955	Spatiotemporal Variations of Global Human-Perceived Heatwave Risks and their Driving Factors Based on Machine Learning. <i>Remote Sensing</i> , 2023, 15, 3627.	4.0	0
2957	Feeling the heat: Bumblebee workers show no acclimation capacity of upper thermal tolerance to simulated heatwaves. <i>Journal of Thermal Biology</i> , 2023, 116, 103672.	2.5	5
2958	Seeing the Disturbed Forest for the Trees: Remote Sensing Is Underutilized to Quantify Critical Zone Response to Unprecedented Disturbance. <i>Earth's Future</i> , 2023, 11, .	6.3	1
2959	Vulnerability assessment and categorization against heat waves for the Bilbao historic area. <i>Sustainable Cities and Society</i> , 2023, 98, 104805.	10.4	4
2960	Ekstrema ciepÅ‚a w zmieniajÄ…cym siÄ™™ klimacie Europy: definicje, przyczyny, tendencje, skutki. <i>Prace Geograficzne (krakÃ“w)</i> , 2023, , 47-82.	0.1	0
2961	Centennial Variation and Mechanism of the Extreme High Temperatures in Summer over China during the Holocene Forced by Total Solar Irradiance. <i>Atmosphere</i> , 2023, 14, 1207.	2.3	1
2962	How persistent and hazardous will extreme temperature events become in a warming Portugal?. <i>Weather and Climate Extremes</i> , 2023, 41, 100600.	4.1	1
2963	Impact of climate change on human health concerning climate-induced natural disaster: evidence from an eastern Indian state. <i>Climatic Change</i> , 2023, 176, .	3.6	1
2964	Diagnosing and managing heat exhaustion: insights from a systematic review of cases in the desert climate of Mecca. <i>Reviews on Environmental Health</i> , 2023, .	2.4	0
2965	Glasgow Coma Scale on admission as predictor of neurological sequelae at discharge and acute respiratory failure in patients with heatstroke. <i>Postgraduate Medical Journal</i> , 2023, 99, 1237-1245.	1.8	1

#	ARTICLE	IF	CITATIONS
2966	Prediction of Heatwave Using Advanced Soft Computing Technique. Information (Switzerland), 2023, 14, 447.	2.9	0
2967	A novel method for measuring acute thermal tolerance in fish embryos. , 2023, 11, .		5
2968	Heatwaves: does global research reflect the growing threat in the light of climate change?. Globalization and Health, 2023, 19, .	4.9	4
2969	The importance of teaching climate-health literacy in psychotherapeutic training and continuing education. F1000Research, 0, 12, 982.	1.6	0
2970	The association of heatwave with drowning mortality in five provinces of China. Science of the Total Environment, 2023, 903, 166321.	8.0	0
2971	Integrating resilience in the multi-hazard sustainable design of buildings. , 0, 2, .		0
2972	Spatiotemporal Variability of Hot Days in Association with the Large-Scale Atmospheric Drivers over Vietnam. Advances in Meteorology, 2023, 2023, 1-15.	1.6	0
2973	Dynamics of localized extreme heatwaves in the mid-latitude atmosphere: A conceptual examination. Atmospheric Science Letters, 2024, 25, .	1.9	1
2974	Marine heatwave as a supercharger for the strongest typhoon in the East China Sea. Npj Climate and Atmospheric Science, 2023, 6, .	6.8	4
2975	Differential effects of parental and developmental temperatures on larval thermal adaptation in oviparous and viviparous model fish species. Journal of Thermal Biology, 2023, 117, 103695.	2.5	0
2976	Projections of Heat-Related Mortality under the Impact of Climate Change in Thessaloniki, Greece. , 0, , .		1
2977	Sectoral water use responses to droughts and heatwaves: analyses from local to global scales for 1990–2019. Environmental Research Letters, 2023, 18, 104008.	5.2	1
2978	Are people interested in receiving advice from their general practitioner on how to protect their health during heatwaves? A survey of the German population. BMJ Open, 2023, 13, e076236.	1.9	0
2979	River interlinking alters land-atmosphere feedback and changes the Indian summer monsoon. Nature Communications, 2023, 14, .	12.8	2
2980	Spatiotemporal changes in Universal Thermal Climate Index in the Middle East and North Africa. Atmospheric Research, 2023, 295, 107008.	4.1	2
2981	More Frequent and Persistent Heatwaves Due To Increased Temperature Skewness Projected by a High-Resolution Earth System Model. Geophysical Research Letters, 2023, 50, .	4.0	1
2982	Rapid increase in the risk of heat-related mortality. Nature Communications, 2023, 14, .	12.8	13
2983	Parental early life environments drive transgenerational plasticity of offspring metabolism in a freshwater fish (<i>Danio rerio</i>). Biology Letters, 2023, 19, .	2.3	1

#	ARTICLE	IF	CITATIONS
2984	A daily high-resolution (1â€‰km) human thermal index collection over the North China Plain from 2003 to 2020. <i>Scientific Data</i> , 2023, 10, .	5.3	0
2985	Variability of air quality and bioclimatic conditions in urban area: Case study of Lublin. <i>Quaestiones Geographicae</i> , 2023, 42, 175-193.	0.6	0
2986	WRF-Chem modeling study of heat wave driven ozone over southeast region, India. <i>Environmental Pollution</i> , 2024, 340, 122744.	7.5	0
2987	Single-photon emission computed tomography (SPECT) predicted neurological prognosis in heat stroke: A case report. <i>Heliyon</i> , 2023, 9, e18285.	3.2	0
2988	Population resistance and recovery after an extreme heat event are explained by thermal effects on lifeâ€‰history traits. <i>Oikos</i> , 0, , .	2.7	0
2990	Detecting Extreme Temperature Events Using Gaussian Mixture Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2023, 128, .	3.3	0
2991	Heat-induced hormesis in longevity is linked to heat-stress sensitivity across laboratory populations from diverse altitude of origin in <i>Drosophila buzzatii</i> . <i>Biogerontology</i> , 0, , .	3.9	0
2992	Oxidative stress mediates the impact of heatwaves on survival, growth and immune status in a lizard. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2023, 290, .	2.6	1
2993	Increased Summer European Heatwaves in Recent Decades: Contributions From Greenhouse Gasesâ€‰Induced Warming and Atlantic Multidecadal Oscillationâ€‰Like Variations. <i>Earth's Future</i> , 2023, 11, .	6.3	2
2994	Demographic consequences of an extreme heat wave are mitigated by spatial heterogeneity in an annual monkeyflower. <i>Ecology and Evolution</i> , 2023, 13, .	1.9	0
2995	How Unexpected Was the 2022 Summertime Heat Extremes in the Middle Reaches of the Yangtze River?. <i>Geophysical Research Letters</i> , 2023, 50, .	4.0	10
2998	Understanding the impact of heatwave on urban heat in greater Sydney: Temporal surface energy budget change with land types. <i>Science of the Total Environment</i> , 2023, 903, 166374.	8.0	3
2999	Compound hot extremes exacerbate forest growth decline in dry areas but not in humid areas in the Northern Hemisphere. <i>Agricultural and Forest Meteorology</i> , 2023, 341, 109663.	4.8	2
3000	Vulnerability Assessment of Historic Areas to Heat Waves. The Case Study of Bilbao. <i>RILEM Bookseries</i> , 2024, , 1093-1105.	0.4	0
3001	The life cycle of the heatwave boundary layer identified from commercial aircraft observations at Melbourne Airport (Australia). <i>Quarterly Journal of the Royal Meteorological Society</i> , 2023, 149, 3440-3454.	2.7	0
3002	The effect of short-term exposure to high temperatures on male courtship behaviour and mating success in the fruit fly <i>Drosophila virilis</i> . <i>Journal of Thermal Biology</i> , 2023, 117, 103701.	2.5	0
3003	Variability of heat stress using the UrbClim climate model in the city of Seville (Spain): mitigation proposal. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	2.7	1
3004	What is a heat(wave)? An interdisciplinary perspective. <i>Climatic Change</i> , 2023, 176, .	3.6	3

#	ARTICLE	IF	CITATIONS
3005	Effects of changing climate extremes and vegetation phenology on wildlife associated with grasslands in the southwestern United States. <i>Environmental Research Letters</i> , 2023, 18, 104028.	5.2	0
3006	Long-term adjustment of phytoplankton structure to environmental traits at timescales during lifetime development and over generations. <i>Hydrobiologia</i> , 2024, 851, 823-847.	2.0	0
3007	European Summer Synoptic Circulations and Their Observed 2022 and Projected Influence on Hot Extremes and Dry Spells. <i>Geophysical Research Letters</i> , 2023, 50, .	4.0	0
3008	Genotypic variation in growth, single leaf physiology, and acclimation potential of thylakoid processes in cotton exposed to high temperature extremes. <i>Environmental and Experimental Botany</i> , 2023, 215, 105512.	4.2	1
3009	Effects of atmospheric aerosols on heat stress over South Asia. , 2023, 2, 045007.		0
3010	Reimagining large river management using the Resistâ€“Acceptâ€“Direct (RAD) framework in the Upper Mississippi River. <i>Ecological Processes</i> , 2023, 12, .	3.9	0
3011	Greatly enhanced risk to humans as a consequence of empirically determined lower moist heat stress tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.1	7
3013	Extreme heat waves in June 2021 over Europe regulated by shrinking Eurasian snow cover in midâ€“high latitudes. <i>Atmospheric Research</i> , 2023, 295, 107049.	4.1	0
3014	Projected changes in heat wave characteristics over India. <i>Climatic Change</i> , 2023, 176, .	3.6	1
3015	How can we predict where heatwaves will have an impact? â€“ A literature review on heat vulnerability indexes. <i>Urban Climate</i> , 2023, 52, 101711.	5.7	3
3016	Characterizing CONUS-wide spatio-temporal changes in daily precipitation, flow, and variability of extremes. <i>Journal of Hydrology</i> , 2023, 626, 130336.	5.4	1
3017	Effects of heat tolerance on the gut microbiota of <i>Sarcophaga peregrina</i> (Diptera: Sarcophagidae) and impacts on the life history traits. <i>Parasites and Vectors</i> , 2023, 16, .	2.5	0
3018	Factor analysis of recent major heatwaves in East Asia. <i>Geoscience Frontiers</i> , 2023, , 101730.	8.4	0
3019	Characterising the Physiological Responses of Chinook Salmon (<i>Oncorhynchus tshawytscha</i>) Subjected to Heat and Oxygen Stress. <i>Biology</i> , 2023, 12, 1342.	2.8	0
3021	Investigating the cooling effect of a green roof in Melbourne. <i>Building and Environment</i> , 2023, 246, 110965.	6.9	1
3023	VulnÃ©rabilitÃ© et Ã©lot de chaleur urbain : les facteurs du risque thermique nocturne Ã Strasbourg. <i>Climatologie</i> , 2023, 20, 9.	0.2	1
3024	Understorey vegetation moderates climate in open forests: The role of the skirtâ€“forming grass tree <i>Xanthorrhoea semiplana</i> F.Muell. <i>Austral Ecology</i> , 2023, 48, 2185-2204.	1.5	0
3025	Proteomic differences in seminal fluid of social insects whose sperm differ in heat tolerance. <i>Royal Society Open Science</i> , 2023, 10, .	2.4	1

#	ARTICLE	IF	CITATIONS
3026	Exponential increases in high-temperature extremes in North America. <i>Scientific Reports</i> , 2023, 13, .	3.3	1
3027	Seasonal peak and the role of local weather in schizophrenia occurrence: A global analysis of epidemiological evidence. <i>Science of the Total Environment</i> , 2023, 899, 165658.	8.0	0
3028	Hybrid Post-Processing on GEFSv12 Reforecast for Summer Maximum Temperature Ensemble Forecasts with an Extended-Range Time Scale over Taiwan. <i>Atmosphere</i> , 2023, 14, 1620.	2.3	0
3029	Projected Change in the Burden of Excess Cardiovascular Deaths Associated With Extreme Heat by Midcentury (2036â€“2065) in the Contiguous United States. <i>Circulation</i> , 2023, 148, 1559-1569.	1.6	0
3030	Assessment of Changes in Heatwave Aspects over Saudi Arabia during the Last Four Decades. <i>Atmosphere</i> , 2023, 14, 1667.	2.3	0
3031	Effects of Extreme Weather Conditions on PV Systems. <i>Sustainability</i> , 2023, 15, 16044.	3.2	3
3032	Small increases in ambient temperature reduce offspring body mass in an equatorial mammal. <i>Biology Letters</i> , 2023, 19, .	2.3	1
3033	On the role of the Atlantic Meridional Mode in eastern European temperature variability. <i>Atmospheric Research</i> , 2024, 297, 107082.	4.1	0
3034	Parental exposure to heat waves improves offspring reproductive investment in <i>Tetranychus urticae</i> (Acari: Tetranychidae), but not in its predator, <i>Phytoseiulus persimilis</i> (Acari: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 41	0.9	0
3036	Coupled effects of temperature and relative humidity on desiccation curling of a clayey soil. <i>Engineering Geology</i> , 2023, 327, 107370.	6.3	0
3037	Dynamical linkages between Arctic Oscillations and winter precipitation patterns over the Indian Region. <i>Global and Planetary Change</i> , 2023, 231, 104293.	3.5	1
3038	A shift towards broader and less persistent Southern Hemisphere temperature anomalies. <i>Npj Climate and Atmospheric Science</i> , 2023, 6, .	6.8	0
3039	Arcticâ€“midlatitudeâ€“tropics interactions in January 2020: linkages to precipitation extremes over Indian region. <i>Meteorology and Atmospheric Physics</i> , 2024, 136, .	2.0	0
3040	Effects of extreme phases of El NiÃ±oâ€“Southern Oscillation on rainfall extremes in Alagoas, Brazil. <i>International Journal of Climatology</i> , 2023, 43, 7700-7721.	3.5	0
3041	Ecological responses of squamate reptiles to nocturnal warming. <i>Biological Reviews</i> , 2024, 99, 598-621.	10.4	1
3042	Germination performance of alien and native species could shape community assembly of temperate grasslands under different temperature scenarios. <i>Plant Ecology</i> , 2023, 224, 1097-1111.	1.6	1
3043	Market Reaction to Extreme Weather Events in the Electricity Sector. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3044	How plastic are upper thermal limits? A comparative study in tsetse (family: Glossinidae) and wider Diptera. <i>Journal of Thermal Biology</i> , 2023, 118, 103745.	2.5	1

#	ARTICLE	IF	CITATIONS
3045	Heatwaves and human sleep: Stress response versus adaptation. Journal of the Neurological Sciences, 2023, 454, 120862.	0.6	2
3046	Effects of land-use mitigation scenarios on urban heat island intensity in Istanbul. Atmospheric Research, 2024, 297, 107083.	4.1	0
3047	A comprehensive evaluation of heat stress and heat strain in a sample of sugarcane cutters in Brazil. Journal of Applied Physiology, 2023, 135, 1431-1439.	2.5	1
3048	Intensification of compound temperature extremes by rapid urbanization under static and dynamic Urban-rural division: A comparative case study in Hunan Province, Central-South China. Science of the Total Environment, 2024, 908, 168325.	8.0	0
3049	Assessment of Mutual Variation of Near-Surface Air Temperature, Land Surface Temperature and Driving Urban Parameters at Urban Microscale. Sustainability, 2023, 15, 15710.	3.2	0
3050	Heat tolerance of a tropicalâ€“subtropical rainforest tree species <i>Polyscias elegans</i> : timeâ€“dependent dynamic responses of physiological thermostability and biochemistry. New Phytologist, 2024, 241, 715-731.	7.3	2
3051	Unveiling the future of relict Mediterranean mountain peatlands by integrating the potential response of ecological indicators with environmental suitability assessments. Ecological Indicators, 2023, 157, 111206.	6.3	0
3052	Asymmetric relationships and their effects on coexistence. Ecology Letters, 2024, 27, .	6.4	0
3053	Cool roof strategies for urban thermal resilience to extreme heatwaves in tropical cities. Energy and Buildings, 2024, 302, 113751.	6.7	1
3055	Historical evaluation and future projections of compound heatwave and drought extremes over the conterminous United States in CMIP6 [*] . Environmental Research Letters, 2024, 19, 014039.	5.2	0
3056	Yield and quality traits of wheat and rapeseed in response to source-sink ratio and heat stress in post-flowering. European Journal of Agronomy, 2024, 152, 127028.	4.1	0
3057	Zonally asymmetric component of summer surface temperature trends caused by intraseasonal time-scale processes. Npj Climate and Atmospheric Science, 2023, 6, .	6.8	0
3058	Understanding the Magnification of Heatwaves over Spain: Relevant changes in the most extreme events. Weather and Climate Extremes, 2023, 42, 100631.	4.1	1
3059	Evaluation of observation impact on the meteorological forecasts associated with heat wave in 2018 over East Asia using observing system experiments. Heliyon, 2023, 9, e23064.	3.2	0
3060	Synergies or trade-offs between surface urban heat island and hot extreme: Distinct responses in urban environments. Sustainable Cities and Society, 2024, 101, 105093.	10.4	1
3061	Spatial characterization of global heat waves using satellite-based land surface temperature. International Journal of Applied Earth Observation and Geoinformation, 2023, 125, 103604.	1.9	0
3063	Modeling the Streamflow Response to Heatwaves Across Glacierized Basins in Southwestern Canada. Water Resources Research, 2023, 59, .	4.2	0
3064	Future Amplification of Multivariate Risk of Compound Drought and Heatwave Events on South Asian Population. Earth's Future, 2023, 11, .	6.3	1

#	ARTICLE	IF	CITATIONS
3065	Health assessment and mitigating solutions to heat-pollution induced by urban traffic. Journal of Cleaner Production, 2024, 434, 140097.	9.3	0
3066	Recent European drying and its link to prevailing large-scale atmospheric patterns. Scientific Reports, 2023, 13, .	3.3	1
3067	Resurfacing heat stress phenomena in Indian cities during the <scp>postâ€œCOVID</scp>â€œ19 lockdown period. Singapore Journal of Tropical Geography, 2024, 45, 85-106.	0.9	1
3068	Interannual Variation and Statistical Prediction of Summer Dry and Hot Days in South China from 1970 to 2018. Journal of Tropical Meteorology, 2023, , .	0.9	0
3069	Coupling heat wave and wildfire occurrence across multiple ecoregions within a Eurasia longitudinal gradient. Science of the Total Environment, 2024, 912, 169269.	8.0	0
3070	Gut microbiota associated with appetite suppression in high-temperature and high-humidity environments. EBioMedicine, 2024, 99, 104918.	6.1	1
3071	Disentangling effects of habitat on salmonid abundance in thermal refuges while accounting for imperfect detection. Ecosphere, 2023, 14, .	2.2	0
3072	Increased Frequency of Sediment Heatwaves in a Virginia Seagrass Meadow. Estuaries and Coasts, 0, , .	2.2	0
3073	Analysis and Forecasting of High-Impact Weather Systems in East Asia Using Numerical Models. Springer Atmospheric Sciences, 2023, , 411-440.	0.3	0
3074	Rapid development of increased neonicotinoid tolerance in non-target freshwater amphipods. Environment International, 2024, 183, 108368.	10.0	1
3075	Using Large Ensembles to Examine Historical and Projected Changes in Recordâ€œBreaking Summertime Temperatures Over the Contiguous United States. Earth's Future, 2023, 11, .	6.3	1
3076	High-level characterisation and mapping of key climate-change hazards in European coastal cities. Natural Hazards, 0, , .	3.4	0
3077	Effect of marine heatwaves on juvenile greater amberjack (Seriola dumerili). Marine Environmental Research, 2024, 193, 106302.	2.5	0
3079	Vegetation destruction during an extreme flood: Multilevel modelling of an entire river in southern Korea. Hydrological Processes, 2023, 37, .	2.6	0
3080	Changes in Temperature and Precipitation Trends in Selected Polish Cities Based on the Results of Regional EURO-CORDEX Climate Models in the 2030â€œ2050 Horizon. Applied Sciences (Switzerland), 2024, 14, 9.	2.5	0
3082	Frequency analysis of absolute maximum air temperatures in Serbia. Journal of the Geographical Institute Jovan Cvijic SASA, 2023, 73, 279-293.	1.0	0
3084	The Spatiotemporal Variation Characteristics and Impacts of Summer Heatwaves, Droughts, and Compound Drought and Heatwave Events in Jiangsu Province, China. Water (Switzerland), 2024, 16, 89.	2.7	1
3085	Heatstroke presentations to urban hospitals during BCâ€™s extreme heat event: lessons for the future. Canadian Journal of Emergency Medicine, 2024, 26, 111-118.	1.1	1

#	ARTICLE	IF	CITATIONS
3087	Examining the role of passive design indicators in energy burden reduction: Insights from a machine learning and deep learning approach. Building and Environment, 2024, 250, 111126.	6.9	0
3088	Implications of heat exchange for a free-living endangered marsupial determined by non-invasive thermal imaging. Journal of Experimental Biology, 2024, 227, .	1.7	1
3089	Agricultural issues with climate changeâ€”case studies with 3 soybean pests: Johnsongrass, kudzu bug, and charcoal rot. Journal of Integrated Pest Management, 2024, 15, .	2.0	0
3090	Evaluating the Present and Future Heat Stress Conditions in the Grand Duchy of Luxembourg. Atmosphere, 2024, 15, 112.	2.3	0
3091	Revisiting the importance of temperature, weather and air pollution variables in heat-mortality relationships with machine learning. Environmental Science and Pollution Research, 2024, 31, 14059-14070.	5.3	0
3092	Using a metabolomics approach to investigate the sensitivity of a potential Arctic-invader and its Arctic sister-species to marine heatwaves and traditional harvesting disturbances. Science of the Total Environment, 2024, 917, 170167.	8.0	0
3093	Impact of the 2008 Ice Storm on Forests in Southeast China. Handbook of Environmental Chemistry, 2023, , .	0.4	0
3094	Urban Heat: UHI and Heat Stress Threat to Megacities. Sustainable Development Goals Series, 2023, , 425-445.	0.4	0
3095	Empirical assessment of methane emissions, socioeconomic factors, and infant mortality in Europe. Natural Resources Forum, 0, , .	3.6	0
3096	The impact of boreal spring stratospheric final warming on surface air temperature over Northern Hemisphere in ERA5 and CMIP6 models. Climate Dynamics, 0, , .	3.8	0
3097	Intensification of harmful cyanobacterial blooms in a eutrophic, temperate lake caused by nitrogen, temperature, and CO2. Science of the Total Environment, 2024, 915, 169885.	8.0	0
3098	Construction of a cold island network for the urban heat island effect mitigation. Science of the Total Environment, 2024, 915, 169950.	8.0	0
3099	Extremely warm European summers preceded by sub-decadal North Atlantic ocean heat accumulation. Earth System Dynamics, 2024, 15, 1-14.	7.1	0
3100	Assessing the escalating human-perceived heatwaves in a warming world: The case of China. Weather and Climate Extremes, 2024, 43, 100643.	4.1	1
3101	SDG13, climate action: health systems as stakeholders and implementors in climate policy change. , 2024, , 219-246.		0
3102	Regional patterns and trends of compound hot extremes in mainland China: a new objective approach. Environmental Research Letters, 2024, 19, 014062.	5.2	0
3103	Assessment of the Spatio-Temporal Trends of Annual Extreme Temperature Indices over Tanzania during the Period of 1982-2022. Journal of Geoscience and Environment Protection, 2024, 12, 33-50.	0.5	0
3104	Prediction of summer surface air temperature over Northern Hemisphere continents by a physically based empirical model. Climate Dynamics, 0, , .	3.8	0

#	ARTICLE	IF	CITATIONS
3105	Heat waves related to Quasi-Biweekly variability over Southern China in the FGOALS-g3 model. <i>Dynamics of Atmospheres and Oceans</i> , 2024, 106, 101443.	1.8	0
3107	Extreme heat reduces host and parasite performance in a butterflyâ€“parasite interaction. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2024, 291, .	2.6	0
3108	Adapting Schools to Climate Change with Green, Blue, and Grey Measures in Barcelona: Study Protocol of a Mixed-Method Evaluation. <i>Journal of Urban Health</i> , 2024, 101, 141-154.	3.6	0
3109	Quantifying pre- and post-anthesis heat waves on grain number and grain weight of contrasting wheat cultivars. <i>Field Crops Research</i> , 2024, 307, 109264.	5.1	0
3110	Comprehensive analysis of <i>Trichoderma reesei</i> mediated CO_2 stress attenuating responses and <i>de novo</i> transcriptome sequencing of rice flag leaf. <i>Physiologia Plantarum</i> , 2024, 176, .	5.2	0
3111	The evolution of social-ecological system interactions and their impact on the urban thermal environment. <i>Npj Urban Sustainability</i> , 2024, 4, .	8.0	0
3112	Neurological patients confronting climate change: A potential role for the glymphatic system and sleep. <i>Journal of the Neurological Sciences</i> , 2024, 458, 122900.	0.6	0
3113	Record-shattering 2023 Spring heatwave in western Mediterranean amplified by long-term drought. <i>Npj Climate and Atmospheric Science</i> , 2024, 7, .	6.8	3
3114	Variation the in relationship between urban tree canopy and air temperature reduction under a range of daily weather conditions. <i>Heliyon</i> , 2024, 10, e25041.	3.2	1
3115	Future Projections of Heat Waves and Associated Mortality Risk in a Coastal Mediterranean City. <i>Sustainability</i> , 2024, 16, 1072.	3.2	0
3116	Protective effects of SCFAs on organ injury and gut microbiota modulation in heat-stressed rats. <i>Annals of Microbiology</i> , 2024, 74, .	2.6	0
3117	Research on the Changes in Distribution and Habitat Suitability of the Chinese Red Panda Population. <i>Animals</i> , 2024, 14, 424.	2.3	0
3118	Crossâ€“tolerance: Salinity gradients and dehydration increase photosynthetic heat tolerance in mangrove leaves. <i>Functional Ecology</i> , 2024, 38, 897-909.	3.6	0
3119	On the heat waves over India and their future projections under different SSP scenarios from $CMIP6$ models. <i>International Journal of Climatology</i> , 2024, 44, 973-995.	3.5	1
3120	Heat wave characteristics: evaluation of regional climate model performances for Germany. <i>Natural Hazards and Earth System Sciences</i> , 2024, 24, 265-289.	3.6	0
3121	Nighttime heat waves in the Euro-Mediterranean region: definition, characterisation, and seasonal prediction. <i>Environmental Research Letters</i> , 2024, 19, 034001.	5.2	0
3122	Strategies to mitigate acute kidney injury risk during physical work in the heat. <i>American Journal of Physiology - Renal Physiology</i> , 2024, 326, F499-F510.	2.7	0
3123	Effects of shade on the behaviour and physiology of sheep in a temperate climate. <i>Applied Animal Behaviour Science</i> , 2024, 272, 106185.	1.9	0

#	ARTICLE	IF	CITATIONS
3124	Threshold shifts and developmental temperature impact trade-offs between tolerance and plasticity. Proceedings of the Royal Society B: Biological Sciences, 2024, 291, .	2.6	0
3125	Resetting thermal limits: 10-year-old white sturgeon display pronounced but reversible thermal plasticity. Journal of Thermal Biology, 2024, 119, 103807.	2.5	0
3126	Convection-permitting regional climate simulation on soil moisture-heatwaves relationship over eastern China. Atmospheric Research, 2024, 301, 107285.	4.1	0
3127	Handling heatwaves: balancing thermoregulation, foraging and bumblebee colony success. , 2024, 12, .		0
3129	Trend, driving factors, and temperature-humidity relationship of the extreme compound hot and humid events in South China. Theoretical and Applied Climatology, 2024, 155, 4213-4230.	2.8	0
3131	SLODs in Urban Built Environment. SpringerBriefs in Applied Sciences and Technology, 2024, , 1-29.	0.4	0
3132	The Role of Climatological State in Supporting US Heat Waves Through Rossby Waves Packets. Journal of Geophysical Research D: Atmospheres, 2024, 129, .	3.3	0
3133	Exposure to alkaline water reduces thermal tolerance, but not thermal plasticity, in brook stickleback (<i>Culaea inconstans</i>) collected from an alkaline lake. Hydrobiologia, 2024, 851, 2641-2655.	2.0	0
3134	The Promising Bâ [~] Type Response Regulator hst1 Gene Provides Multiple High Temperature and Drought Stress Tolerance in Rice. International Journal of Molecular Sciences, 2024, 25, 2385.	4.1	0
3135	Heatwaves in Peninsular Malaysia: a spatiotemporal analysis. Scientific Reports, 2024, 14, .	3.3	0
3136	Spatially explicit assessment of the heat-related health risk in the Yangtze River Delta, China, using multisource remote sensing and socioeconomic data. Sustainable Cities and Society, 2024, 104, 105300.	10.4	0
3137	Megacities are causal pacemakers of extreme heatwaves. Npj Urban Sustainability, 2024, 4, .	8.0	0
3138	Hygrothermal stress increases malignant arrhythmias susceptibility by inhibiting the LKB1-AMPK-Cx43 pathway. Scientific Reports, 2024, 14, .	3.3	0
3139	Response of Land Surface Temperature to Heatwave-Induced Bio-Geophysical Changes in Tropical Forests on Hainan Island from 2010 to 2022. Water (Switzerland), 2024, 16, 752.	2.7	0
3140	Understanding the vertical temperature structure of recent record-shattering heatwaves. Weather and Climate Dynamics, 2024, 5, 323-343.	3.5	0
3141	Spatiotemporal variations of UTCI based discomfort over India. Journal of Earth System Science, 2024, 133, .	1.3	0
3142	The effects of sowing date on maize: Phenology, morphology, and yield formation in a hot subtropical monsoon region. Field Crops Research, 2024, 309, 109309.	5.1	0
3143	Flash drought monitoring using diurnal-provided evaporative demand drought index. Journal of Hydrology, 2024, 633, 130961.	5.4	0

#	ARTICLE	IF	CITATIONS
3144	Thermal tolerance of a freshwater amphipod <i>Gammarus lacustris</i> can be enhanced by acclimation to higher mineralization. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2024, 292, 111622.	1.8	0
3145	Summer heatwaves trends and hotspots in the Barcelona Metropolitan Region (1914â€“2020). <i>Theoretical and Applied Climatology</i> , 0, , .	2.8	0
3146	Effect of Calving Season on Productive Performance of Dairy Cows. <i>Dairy</i> , 2024, 5, 217-228.	2.0	0
3147	Gills de novo assembly reveals oxidative stress, unfolded protein, and immune response on red cusk-eel (<i>Genypterus chilensis</i>) under thermal stress. <i>Marine Environmental Research</i> , 2024, 196, 106440.	2.5	0
3148	The importance of teaching climate-health literacy in psychotherapeutic training and continuing education. <i>F1000Research</i> , 0, 12, 982.	1.6	0
3149	Heatwaves increase larval mortality and delay development of a solitary bee. <i>Ecological Entomology</i> , 2024, 49, 433-444.	2.2	0
3150	Microrefugia and microclimate: Unraveling decoupling potential and resistance to heatwaves. <i>Science of the Total Environment</i> , 2024, 924, 171696.	8.0	0
3152	The synergistic effect of the preceding winter mid-latitude North Atlantic and summer tropical eastern Indian Ocean SST on summer extreme heat events in northern China. <i>Weather and Climate Extremes</i> , 2024, 44, 100660.	4.1	0
3153	Long-term changes in heat wave parameters in the eastern Baltic region. <i>Theoretical and Applied Climatology</i> , 0, , .	2.8	0
3154	Heatwaves are detrimental to fertility in the viviparous tsetse fly. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2024, 291, .	2.6	0
3155	Projected changes in the heatwaveâ€™s characteristics and associated population exposure over India under 1.5â€“3.0°C warming levels. <i>Stochastic Environmental Research and Risk Assessment</i> , 0, , .	4.0	0
3156	Elevationâ€“dependent patterns of borerâ€“mediated snowâ€“melt dieback are associated with subspecies' trait differences and environmental variation. <i>Austral Ecology</i> , 2024, 49, .	1.5	0
3157	Evaluation and Projection of Extreme High Temperature Indices in Southwestern China Using NEX-GDDP-CMIP6. <i>Journal of Meteorological Research</i> , 2024, 38, 88-107.	2.4	0
3158	Behavior-encoded models reveal differentiated access to public cooling environment by race and income. <i>Npj Urban Sustainability</i> , 2024, 4, .	8.0	0
3159	The Dipole Mode of Summer Wetâ€“Bulb Temperature Over Eastern China and the Possible Mechanisms. <i>Journal of Geophysical Research D: Atmospheres</i> , 2024, 129, .	3.3	0
3160	Heatwave-like events affect drone production and brood-care behaviour in bumblebees. <i>PeerJ</i> , 0, 12, e17135.	2.0	0
3161	Summer heatwaves in China during 1961â€“2021: The impact of humidity. <i>Atmospheric Research</i> , 2024, 304, 107366.	4.1	0
3162	Comprehensive assessment of daytime, nighttime and compound heatwave risk in East China. <i>Natural Hazards</i> , 0, , .	3.4	0