

An adaptability limit to climate change due to heat stress

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Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A framework to diagnose barriers to climate change adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22026-22031. | 3.3 | 1,216 |
| 2 | Assessing a population's exposure to heat and humidity: an empirical approach. Global Health Action, 2010, 3, 5421. | 0.7 | 8 |
| 3 | Regional maps of occupational heat exposure: past, present, and potential future. Global Health Action, 2010, 3, 5715. | 0.7 | 82 |
| 4 | Climate change: Heat, health, and longer horizons. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9483-9484. | 3.3 | 31 |
| 5 | Comparative physiology: a "crystal ball" for predicting consequences of global change. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R1-R14. | 0.9 | 132 |
| 6 | Fat-Tailed Uncertainty in the Economics of Catastrophic Climate Change. Review of Environmental Economics and Policy, 2011, 5, 275-292. | 3.1 | 350 |
| 7 | Lessons from Earth's Past. Science, 2011, 331, 158-159. | 6.0 | 45 |
| 8 | Adaptive Thermoregulation in Endotherms May Alter Responses to Climate Change. Integrative and Comparative Biology, 2011, 51, 676-690. | 0.9 | 196 |
| 9 | Risk Premia and the Social Cost of Carbon: A Review. Economics, 2011, 5, . | 0.2 | 9 |
| 10 | The early Eocene equable climate problem revisited. Climate of the Past, 2011, 7, 603-633. | 1.3 | 308 |
| 11 | Global health and climate change: moving from denial and catastrophic fatalism to positive action. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 1866-1882. | 1.6 | 54 |
| 12 | Geographic disparities and moral hazards in the predicted impacts of climate change on human populations. Global Ecology and Biogeography, 2011, 20, 532-544. | 2.7 | 101 |
| 13 | Technologies for exascale systems. IBM Journal of Research and Development, 2011, 55, 14:1-14:12. | 3.2 | 43 |
| 14 | Observational and model evidence of global emergence of permanent, unprecedented heat in the 20th and 21st centuries. Climatic Change, 2011, 107, 615-624. | 1.7 | 231 |
| 15 | Near-term increase in frequency of seasonal temperature extremes prior to the 2°C global warming target. Climatic Change, 2011, 108, 581-589. | 1.7 | 28 |
| 16 | Including the urban heat island in spatial heat health risk assessment strategies: a case study for Birmingham, UK. International Journal of Health Geographics, 2011, 10, 42. | 1.2 | 242 |
| 17 | "Health-Oriented Agriculture"™ for Nutritional Security versus Climate Change Risks in the Mediterranean Basin. World Review of Nutrition and Dietetics, 2011, 102, 201-211. | 0.1 | 1 |
| 18 | Long-term projections and acclimatization scenarios of temperature-related mortality in Europe. Nature Communications, 2011, 2, 358. | 5.8 | 124 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 20 | Promoting Global Population Health While Constraining the Environmental Footprint. Annual Review of Public Health, 2011, 32, 179-197. | 7.6 | 38 |
| 21 | A New Global Set of Downscaled Temperature Scenarios. Journal of Climate, 2011, 24, 2080-2098. | 1.2 | 34 |
| 22 | Effect of Extreme Temperature on the Performance of Wind Turbine Blade. Key Engineering Materials, 2012, 522, 457-461. | 0.4 | 2 |
| 23 | Integrating Climate Change Adaptation into Public Health Practice: Using Adaptive Management to Increase Adaptive Capacity and Build Resilience. Environmental Health Perspectives, 2012, 120, 171-179. | 2.8 | 142 |
| 24 | Hot days induced by precipitation deficits at the global scale. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12398-12403. | 3.3 | 487 |
| 25 | 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. | 2.9 | 22 |
| 26 | No way out? The double-bind in seeking global prosperity alongside mitigated climate change. Earth System Dynamics, 2012, 3, 1-17. | 2.7 | 29 |
| 27 | The Alchemy of Global Emissions Trading Scheme (GETS): Speculation and Regulation. Contributions To Conflict Management, Peace Economics and Development, 2012, , 117-147. | 0.1 | 0 |
| 28 | Changes in Climate Extremes and their Impacts on the Natural Physical Environment. , 2012, , 109-230. | | 1,080 |
| 29 | New thoughts about the Cretaceous climate and oceans. Earth-Science Reviews, 2012, 115, 262-272. | 4.0 | 276 |
| 31 | High Dose Extrapolation in Climate Change Projections of Heat-Related Mortality. Journal of Agricultural, Biological, and Environmental Statistics, 2012, 17, 461-475. | 0.7 | 13 |
| 32 | Contrasting urban and rural heat stress responses to climate change. Geophysical Research Letters, 2012, 39, . | 1.5 | 170 |
| 33 | Climate Risks and Carbon Prices: Revising the Social Cost of Carbon. Economics, 2012, 6, . | 0.2 | 148 |
| 34 | Screening for Heat Stress in Workers and Athletes. Baylor University Medical Center Proceedings, 2012, 25, 224-228. | 0.2 | 4 |
| 35 | The U.S. Government's Social Cost of Carbon Estimates after Their First Two Years: Pathways for Improvement. Economics, 2012, 6, . | 0.2 | 121 |
| 37 | Intensification of seasonal extremes given a 2°C global warming target. Climatic Change, 2012, 112, 325-337. | 1.7 | 30 |
| 38 | Climate damages in the FUND model: A disaggregated analysis. Ecological Economics, 2012, 77, 219-224. | 2.9 | 46 |
| 39 | GHG Targets as Insurance Against Catastrophic Climate Damages. Journal of Public Economic Theory, 2012, 14, 221-244. | 0.6 | 271 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 40 | Global changes in extreme events: regional and seasonal dimension. <i>Climatic Change</i> , 2012, 110, 669-696. | 1.7 | 442 |
| 41 | Regional projections of North Indian climate for adaptation studies. <i>Science of the Total Environment</i> , 2013, 468-469, S4-S17. | 3.9 | 61 |
| 42 | Pace of shifts in climate regions increases with global temperature. <i>Nature Climate Change</i> , 2013, 3, 739-743. | 8.1 | 126 |
| 43 | Heat-Related Illness. <i>Emergency Medicine Clinics of North America</i> , 2013, 31, 1097-1108. | 0.5 | 50 |
| 44 | The projected timing of climate departure from recent variability. <i>Nature</i> , 2013, 502, 183-187. | 13.7 | 579 |
| 45 | Heat: not black, not white. It's gray!!!. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2013, 24, 209-224. | 0.7 | 11 |
| 46 | Reductions in labour capacity from heat stress under climate warming. <i>Nature Climate Change</i> , 2013, 3, 563-566. | 8.1 | 407 |
| 47 | Double catastrophe: intermittent stratospheric geoengineering induced by societal collapse. <i>Environment Systems and Decisions</i> , 2013, 33, 168-180. | 1.9 | 47 |
| 48 | Climate Urgency. <i>Simulation and Gaming</i> , 2013, 44, 232-243. | 1.2 | 4 |
| 49 | Towards a contraction and convergence target based on population life expectancies since 1960. <i>Environment, Development and Sustainability</i> , 2013, 15, 1173-1187. | 2.7 | 0 |
| 50 | Link between land-ocean warming contrast and surface relative humidities in simulations with coupled climate models. <i>Geophysical Research Letters</i> , 2013, 40, 5223-5227. | 1.5 | 101 |
| 51 | Climate sensitivity, sea level and atmospheric carbon dioxide. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120294. | 1.6 | 429 |
| 52 | Misinformation, disinformation, and violent conflict: From Iraq and the "War on Terror" to future threats to peace.. <i>American Psychologist</i> , 2013, 68, 487-501. | 3.8 | 85 |
| 53 | Climate change threats to population health and well-being: the imperative of protective solutions that will last. <i>Global Health Action</i> , 2013, 6, 20816. | 0.7 | 93 |
| 54 | A 1950s CLASSIC OF THERMAL ADAPTATION TO COLD. <i>Journal of Experimental Biology</i> , 2013, 216, 1759-1761. | 0.8 | 1 |
| 55 | Robust projections of combined humidity and temperature extremes. <i>Nature Climate Change</i> , 2013, 3, 126-130. | 8.1 | 206 |
| 58 | Bayesian Decision Theory and Climate Change. , 2013, , 1-4. | | 1 |
| 59 | Heat-Related Deaths in Hot Cities: Estimates of Human Tolerance to High Temperature Thresholds. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 3304-3326. | 1.2 | 92 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 60 | Climate Change and Human Health. International Journal of Environmental Research and Public Health, 2014, 11, 7347-7353. | 1.2 | 34 |
| 61 | Social, Economic, and Ethical Concepts and Methods. , 0, , 207-282. | | 19 |
| 62 | More Frequent, Longer, and Hotter Heat Waves for Australia in the Twenty-First Century. Journal of Climate, 2014, 27, 5851-5871. | 1.2 | 237 |
| 63 | Joint bias correction of temperature and precipitation in climate model simulations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 13,153. | 1.2 | 76 |
| 64 | The great downside dilemma for risky emerging technologies. Physica Scripta, 2014, 89, 128004. | 1.2 | 13 |
| 65 | Climate Policy: Science, Economics, and Extremes. Review of Environmental Economics and Policy, 2014, 8, 307-327. | 3.1 | 9 |
| 67 | Northern Hemisphere Climatology and Trends of Statistical Moments Documented from GHCN-Daily Surface Air Temperature Station Data from 1950 to 2010. Journal of Climate, 2014, 27, 5396-5410. | 1.2 | 24 |
| 68 | The Impact of Humidity on Evaporative Cooling in Small Desert Birds Exposed to High Air Temperatures. Physiological and Biochemical Zoology, 2014, 87, 782-795. | 0.6 | 90 |
| 69 | Are Tropical Small Mammals Physiologically Vulnerable to Arrhenius Effects and Climate Change?. Physiological and Biochemical Zoology, 2014, 87, 30-45. | 0.6 | 73 |
| 70 | Can Increased Atmospheric CO ₂ Levels Trigger a Runaway Greenhouse?. Astrobiology, 2014, 14, 714-731. | 1.5 | 39 |
| 71 | Global Health. , 2014, , 9-15.e2. | | 2 |
| 72 | Introducing the Scientific Consensus on Maintaining Humanity's Life Support Systems in the 21st Century: Information for Policy Makers. Infrastructure Asset Management, 2014, 1, 78-109. | 1.2 | 55 |
| 73 | CMIP5 Climate Model Analyses: Climate Extremes in the United States. Bulletin of the American Meteorological Society, 2014, 95, 571-583. | 1.7 | 270 |
| 74 | The value of information for integrated assessment models of climate change. Journal of Environmental Economics and Management, 2014, 68, 111-123. | 2.1 | 15 |
| 75 | Transient twenty-first century changes in daily-scale temperature extremes in the United States. Climate Dynamics, 2014, 42, 1383-1404. | 1.7 | 39 |
| 76 | Climate Change as a Three-Part Ethical Problem: A Response to Jamieson and Gardiner. Science and Engineering Ethics, 2014, 20, 1129-1148. | 1.7 | 3 |
| 77 | Scientific uncertainty and climate change: Part I. Uncertainty and unabated emissions. Climatic Change, 2014, 124, 21-37. | 1.7 | 44 |
| 78 | Mathematical model on the effects of global climate change and decreasing forest cover on seasonal rainfall in Northern Thailand. Ecological Modelling, 2014, 272, 388-393. | 1.2 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 79 | Health risks of climate change: act now or pay later. <i>Lancet, The</i> , 2014, 384, 1073-1075. | 6.3 | 32 |
| 80 | Long-term evolution of the global economy: 1. Physical basis. <i>Earth's Future</i> , 2014, 2, 127-151. | 2.4 | 35 |
| 81 | Human Health: Impacts, Adaptation, and Co-Benefits. , 0, , 709-754. | | 26 |
| 82 | Livelihoods and Poverty. , 0, , 793-832. | | 6 |
| 83 | Emergent Risks and Key Vulnerabilities. , 0, , 1039-1100. | | 19 |
| 84 | The evolution of habitable climates under the brightening Sun. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5775-5794. | 1.2 | 130 |
| 85 | The role of thermal inertia in the representation of mean and diurnal range of surface temperature in semiarid and arid regions. <i>Geophysical Research Letters</i> , 2015, 42, 7572-7580. | 1.5 | 21 |
| 86 | Climate Change and African Americans in the USA. <i>Geography Compass</i> , 2015, 9, 579-591. | 1.5 | 17 |
| 88 | Climate change and us: What nephrologists should know. <i>Nephrology</i> , 2015, 20, 760-764. | 0.7 | 5 |
| 89 | Environmental Security is Homeland Security: Climate Disruption as the Ultimate Disaster Risk Multiplier. <i>Risk, Hazards and Crisis in Public Policy</i> , 2015, 6, 183-222. | 1.4 | 14 |
| 90 | A probabilistic analysis of cumulative carbon emissions and long-term planetary warming. <i>Environmental Research Letters</i> , 2015, 10, 115007. | 2.2 | 9 |
| 91 | A Conceptual Framework for Planning Systemic Human Adaptation to Global Warming. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 10700-10722. | 1.2 | 5 |
| 92 | Regional Projections of Extreme Apparent Temperature Days in Africa and the Related Potential Risk to Human Health. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 12577-12604. | 1.2 | 57 |
| 93 | 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. | 1.2 | 25 |
| 94 | Estimating Risks of Heat Strain by Age and Sex: A Population-Level Simulation Model. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 5241-5255. | 1.2 | 19 |
| 95 | Limitations to Thermoregulation and Acclimatization Challenge Human Adaptation to Global Warming. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 8034-8074. | 1.2 | 178 |
| 96 | Effects of City Expansion on Heat Stress under Climate Change Conditions. <i>PLoS ONE</i> , 2015, 10, e0117066. | 1.1 | 87 |
| 97 | The Value at Risk from Climate Change. <i>SSRN Electronic Journal</i> , 2015, , . | 0.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 98 | The Case for Forceful Stewardship (Part 1): The Financial Risk from Global Warming. SSRN Electronic Journal, 0, , . | 0.4 | 9 |
| 100 | Addressing the limits to adaptation across four damage“response systems. Environmental Science and Policy, 2015, 50, 214-224. | 2.4 | 13 |
| 101 | Implementation and comparison of a suite of heat stress metrics within the Community Land Model version 4.5. Geoscientific Model Development, 2015, 8, 151-170. | 1.3 | 165 |
| 102 | Should we geoengineer larger ice caps?. Futures, 2015, 72, 80-85. | 1.4 | 4 |
| 103 | Growing cities in Serbia in the light of projected global warming: The situation in urban morphological zones. Urban Forestry and Urban Greening, 2015, 14, 99-106. | 2.3 | 8 |
| 104 | Future cities in a warming world. Futures, 2015, 66, 45-53. | 1.4 | 33 |
| 105 | Intensification of future severe heat waves in India and their effect on heat stress and mortality. Regional Environmental Change, 2015, 15, 569-579. | 1.4 | 122 |
| 106 | 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. | 1.8 | 471 |
| 107 | Health and climate change: policy responses to protect public health. Lancet, The, 2015, 386, 1861-1914. | 6.3 | 1,311 |
| 108 | Management of heat stroke. Trends in Anaesthesia and Critical Care, 2015, 5, 65-69. | 0.4 | 10 |
| 109 | Exertional Heat Stroke in Navy and Marine Personnel: A Hot Topic. Critical Care Nurse, 2015, 35, 52-59. | 0.5 | 23 |
| 110 | Mathematical model analyses on the effects of global temperature and forest cover on seasonal rainfalls: A Northern Thailand case study. Journal of Hydrology, 2015, 524, 270-278. | 2.3 | 4 |
| 111 | The far future argument for confronting catastrophic threats to humanity: Practical significance and alternatives. Futures, 2015, 72, 86-96. | 1.4 | 22 |
| 112 | Smaller human population in 2100 could importantly reduce the risk of climate catastrophe. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2270. | 3.3 | 12 |
| 113 | TEMPERATURE INCREASE, LABOR SUPPLY AND COST OF ADAPTATION IN DEVELOPING ECONOMIES: EVIDENCE ON URBAN WORKERS IN INFORMAL SECTORS. Climate Change Economics, 2015, 06, 1550007. | 2.9 | 6 |
| 114 | Bird responses to riparian management of degraded lowland streams in southeastern Australia. Restoration Ecology, 2015, 23, 104-112. | 1.4 | 8 |
| 115 | Impact of climate change on the dairy industry in temperate zones: Predications on the overall negative impact and on the positive role of dairy goats in adaptation to earth warming. Small Ruminant Research, 2015, 123, 27-34. | 0.6 | 148 |
| 116 | Double exposure and the climate gap: changing demographics and extreme heat in Ciudad Juárez, Mexico. Local Environment, 2015, 20, 180-201. | 1.1 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 117 | Tall tales and fat tails: the science and economics of extreme warming. <i>Climatic Change</i> , 2015, 132, 127-141. | 1.7 | 23 |
| 118 | Interactions between urbanization, heat stress, and climate change. <i>Climatic Change</i> , 2015, 129, 525-541. | 1.7 | 240 |
| 119 | Transient Earth system responses to cumulative carbon dioxide emissions: linearities, uncertainties, and probabilities in an observation-constrained model ensemble. <i>Biogeosciences</i> , 2016, 13, 1071-1103. | 1.3 | 34 |
| 120 | Regional climate change and national responsibilities. <i>Environmental Research Letters</i> , 2016, 11, 034009. | 2.2 | 96 |
| 121 | Contrasting impacts of urban forms on the future thermal environment: example of Beijing metropolitan area. <i>Environmental Research Letters</i> , 2016, 11, 034018. | 2.2 | 77 |
| 122 | Impacts of Climate Variability and Change on (Marine) Animals: Physiological Underpinnings and Evolutionary Consequences. <i>Integrative and Comparative Biology</i> , 2016, 56, 31-44. | 0.9 | 44 |
| 123 | The Importance of Global Extinction in Climate Change Policy. <i>Global Policy</i> , 2016, 7, 315-322. | 1.0 | 6 |
| 124 | Regional climate engineering by radiation management: Prerequisites and prospects. <i>Earth's Future</i> , 2016, 4, 618-625. | 2.4 | 26 |
| 125 | Thermal Stratification in Simulations of Warm Climates: A Climatology Using Saturation Potential Vorticity. <i>Journal of Climate</i> , 2016, 29, 5083-5102. | 1.2 | 9 |
| 126 | The climate response to five trillion tonnes of carbon. <i>Nature Climate Change</i> , 2016, 6, 851-855. | 8.1 | 77 |
| 127 | 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. | 2.2 | 284 |
| 128 | The impact of urban planning strategies on heat stress in a climate-change perspective. <i>Sustainable Cities and Society</i> , 2016, 25, 1-12. | 5.1 | 52 |
| 129 | A Review of Recent Advances in Research on Extreme Heat Events. <i>Current Climate Change Reports</i> , 2016, 2, 242-259. | 2.8 | 284 |
| 130 | Heat index trends and climate change implications for occupational heat exposure in Da Nang, Vietnam. <i>Climate Services</i> , 2016, 2-3, 41-51. | 1.0 | 48 |
| 131 | Climate policy. <i>Economic Policy</i> , 2016, 31, 503-558. | 1.4 | 16 |
| 132 | Adapting to dangerous climate change: implications for studies of politics, policy, and beyond. <i>Journal of Environmental Studies and Sciences</i> , 2016, 6, 451-459. | 0.9 | 2 |
| 133 | Reflections on Temperature Stress and the Direct Impact of Climate Change: A Review of an Emerging Literature. <i>Review of Environmental Economics and Policy</i> , 2016, 10, 347-362. | 3.1 | 105 |
| 134 | Understanding Decreases in Land Relative Humidity with Global Warming: Conceptual Model and GCM Simulations. <i>Journal of Climate</i> , 2016, 29, 9045-9061. | 1.2 | 174 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 135 | Giftedness and Talent in the 21st Century. , 2016, , . | | 35 |
| 136 | Creative Intelligence in the 21st Century. , 2016, , . | | 34 |
| 137 | Potentially Extreme Population Displacement and Concentration in the Tropics Under Non-Extreme Warming. Scientific Reports, 2016, 6, 25697. | 1.6 | 22 |
| 138 | Detection of anthropogenic influence on a summertime heat stress index. Climatic Change, 2016, 138, 25-39. | 1.7 | 76 |
| 139 | A Simple Moisture Advection Model of Specific Humidity Change over Land in Response to SST Warming. Journal of Climate, 2016, 29, 7613-7632. | 1.2 | 52 |
| 140 | Trends of mean temperatures and warm extremes in northern tropical Africa (1961â€“2014) from observed and PPCAâ€™reconstructed time series. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5298-5319. | 1.2 | 48 |
| 141 | Spatial variation in avian bill size is associated with humidity in summer among Australian passerines. Climate Change Responses, 2016, 3, . | 2.6 | 33 |
| 143 | Projection of rural and urban human thermal comfort in The Netherlands for 2050. International Journal of Climatology, 2016, 36, 1708-1723. | 1.5 | 21 |
| 144 | Knowledge, Perception and Socioeconomic Vulnerability of Urban and Peri-urban Households to Heat Waves in Pakistan. Environmental Science and Engineering, 2016, , 191-202. | 0.1 | 1 |
| 145 | Heat, Human Performance, and Occupational Health: A Key Issue for the Assessment of Global Climate Change Impacts. Annual Review of Public Health, 2016, 37, 97-112. | 7.6 | 348 |
| 146 | Climate, Environmental Health Vulnerability, and Physical Planning. Journal of Planning Literature, 2016, 31, 3-22. | 2.2 | 6 |
| 147 | Model analysis of urbanization impacts on boundary layer meteorology under hot weather conditions: a case study of Nanjing, China. Theoretical and Applied Climatology, 2016, 125, 713-728. | 1.3 | 16 |
| 148 | THE INNER EDGE OF THE HABITABLE ZONE FOR SYNCHRONOUSLY ROTATING PLANETS AROUND LOW-MASS STARS USING GENERAL CIRCULATION MODELS. Astrophysical Journal, 2016, 819, 84. | 1.6 | 168 |
| 149 | The worst heat waves to come. Nature Climate Change, 2016, 6, 128-129. | 8.1 | 92 |
| 150 | Future temperature in southwest Asia projected to exceed a threshold for human adaptability. Nature Climate Change, 2016, 6, 197-200. | 8.1 | 473 |
| 151 | Assessment of human thermal perception in the hot-humid climate of Dar es Salaam, Tanzania. International Journal of Biometeorology, 2017, 61, 69-85. | 1.3 | 52 |
| 152 | A phenology of the evolution of endothermy in birds and mammals. Biological Reviews, 2017, 92, 1213-1240. | 4.7 | 99 |
| 153 | Climate research must sharpen its view. Nature Climate Change, 2017, 7, 89-91. | 8.1 | 80 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 154 | Tropical Cyclones Downscaled from Simulations with Very High Carbon Dioxide Levels. <i>Journal of Climate</i> , 2017, 30, 649-667. | 1.2 | 38 |
| 155 | Constraints on Climate and Habitability for Earth-like Exoplanets Determined from a General Circulation Model. <i>Astrophysical Journal</i> , 2017, 837, 107. | 1.6 | 98 |
| 156 | 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. | 2.7 | 58 |
| 157 | Extreme warmth and heat-stressed plankton in the tropics during the Paleocene-Eocene Thermal Maximum. <i>Science Advances</i> , 2017, 3, e1600891. | 4.7 | 113 |
| 158 | Analysis and prediction of a catastrophic Indian coastal heat wave of 2015. <i>Natural Hazards</i> , 2017, 87, 395-414. | 1.6 | 35 |
| 159 | DOES A DISCOUNT RATE MEASURE THE COSTS OF CLIMATE CHANGE?. <i>Economics and Philosophy</i> , 2017, 33, 337-365. | 0.3 | 7 |
| 160 | Handbook of Theory and Practice of Sustainable Development in Higher Education. <i>World Sustainability Series</i> , 2017, , . | 0.3 | 4 |
| 161 | Metabolic responses and "omics" technologies for elucidating the effects of heat stress in dairy cows. <i>International Journal of Biometeorology</i> , 2017, 61, 1149-1158. | 1.3 | 41 |
| 162 | Global risk of deadly heat. <i>Nature Climate Change</i> , 2017, 7, 501-506. | 8.1 | 887 |
| 163 | Communicating the deadly consequences of global warming for human heat stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3861-3866. | 3.3 | 198 |
| 164 | Assessing the Habitability of the TRAPPIST-1 System Using a 3D Climate Model. <i>Astrophysical Journal Letters</i> , 2017, 839, L1. | 3.0 | 167 |
| 165 | Social vulnerability to climate change: a review of concepts and evidence. <i>Regional Environmental Change</i> , 2017, 17, 1651-1662. | 1.4 | 164 |
| 166 | Worsening of Heat Stress Due To Global Warming in South Korea Based on Multi-RCM Ensemble Projections. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,444. | 1.2 | 16 |
| 167 | North Atlantic controls on wintertime warm extremes and aridification trends in the Middle East. <i>Scientific Reports</i> , 2017, 7, 12301. | 1.6 | 15 |
| 168 | Recent Very Hot Summers in Northern Hemispheric Land Areas Measured by Wet Bulb Globe Temperature Will Be the Norm Within 20 Years. <i>Earth's Future</i> , 2017, 5, 1203-1216. | 2.4 | 37 |
| 169 | Heat wave exposure in India in current, 1.5°C, and 2.0°C worlds. <i>Environmental Research Letters</i> , 2017, 12, 124012. | 2.2 | 107 |
| 170 | The impact of anthropogenic land use and land cover change on regional climate extremes. <i>Nature Communications</i> , 2017, 8, 989. | 5.8 | 207 |
| 171 | Atmospheric Stressors: Challenges and Coping Strategies. , 2017, , 9-50. | | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 172 | Alleviation by gamma amino butyric acid supplementation of chronic heat stress-induced degenerative changes in jejunum in commercial broiler chickens. <i>Stress</i> , 2017, 20, 562-572. | 0.8 | 26 |
| 173 | Well below 2 Å°C: Mitigation strategies for avoiding dangerous to catastrophic climate changes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10315-10323. | 3.3 | 130 |
| 174 | Climate Classification is an Important Factor in Assessing Quality-of-Care Across Hospitals. <i>Scientific Reports</i> , 2017, 7, 4948. | 1.6 | 11 |
| 175 | Biometeorology for cities. <i>International Journal of Biometeorology</i> , 2017, 61, 59-69. | 1.3 | 28 |
| 176 | Impact of climate variability and change on crime rates in Tangshan, China. <i>Science of the Total Environment</i> , 2017, 609, 1041-1048. | 3.9 | 34 |
| 177 | Heat, health, and humidity in Australia's monsoon tropics: a critical review of the problematization of "heat"™ in a changing climate. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2017, 8, e468. | 3.6 | 43 |
| 178 | Habitable Moist Atmospheres on Terrestrial Planets near the Inner Edge of the Habitable Zone around M Dwarfs. <i>Astrophysical Journal</i> , 2017, 845, 5. | 1.6 | 138 |
| 179 | An alternative method for predicting relative humidity for climate change studies. <i>Meteorological Applications</i> , 2017, 24, 551-559. | 0.9 | 16 |
| 180 | Humid heat waves at different warming levels. <i>Scientific Reports</i> , 2017, 7, 7477. | 1.6 | 176 |
| 181 | Deadly heat waves projected in the densely populated agricultural regions of South Asia. <i>Science Advances</i> , 2017, 3, e1603322. | 4.7 | 354 |
| 182 | Spatiotemporal Patterns and Synoptics of Extreme Wet-Bulb Temperature in the Contiguous United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 13,108. | 1.2 | 54 |
| 183 | Twenty-Seven Ways a Heat Wave Can Kill You:. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2017, 10, . | 0.9 | 74 |
| 184 | Future warming rates over the Hawaiian Islands based on elevation-dependent scaling factors. <i>International Journal of Climatology</i> , 2017, 37, 1093-1104. | 1.5 | 21 |
| 185 | Few and Not So Far Between: A Meta-analysis of Climate Damage Estimates. <i>Environmental and Resource Economics</i> , 2017, 68, 197-225. | 1.5 | 146 |
| 186 | The impacts of rising temperatures on aircraft takeoff performance. <i>Climatic Change</i> , 2017, 144, 381-388. | 1.7 | 56 |
| 187 | Drivers of self-reported heat stress in the Australian labour force. <i>Environmental Research</i> , 2017, 152, 272-279. | 3.7 | 28 |
| 188 | Wet-bulb, dew point, and air temperature trends in Spain. <i>Theoretical and Applied Climatology</i> , 2017, 130, 419-434. | 1.3 | 10 |
| 189 | The effect of forced convection and PCM on helmets™ thermal performance in hot and arid environments. <i>Applied Thermal Engineering</i> , 2017, 111, 624-637. | 3.0 | 37 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 190 | Greater increases in temperature extremes in low versus high income countries. Environmental Research Letters, 2017, 12, 034007. | 2.2 | 41 |
| 191 | Spatially distinct effects of preceding precipitation on heat stress over eastern China. Environmental Research Letters, 2017, 12, 115010. | 2.2 | 11 |
| 192 | Large-Scale Interdisciplinary Design Thinking for Dealing with Twenty-First Century Problems and Opportunities. Creativity in the Twenty First Century, 2017, , 35-52. | 0.5 | 1 |
| 193 | Return levels of temperature extremes in southern Pakistan. Earth System Dynamics, 2017, 8, 1263-1278. | 2.7 | 15 |
| 194 | Searching for the Haplorrhine Heterotherm: Field and Laboratory Data of Free-Ranging Tarsiers. Frontiers in Physiology, 2017, 8, 745. | 1.3 | 5 |
| 195 | The Impact of Subsidies on the Prevalence of Climate-Sensitive Residential Buildings in Malaysia. Sustainability, 2017, 9, 2300. | 1.6 | 3 |
| 196 | A Geographical Analysis of Emergency Medical Service Calls and Extreme Heat in King County, WA, USA (2007â€”2012). International Journal of Environmental Research and Public Health, 2017, 14, 937. | 1.2 | 9 |
| 197 | Heat in the southeastern United States: Characteristics, trends, and potential health impact. PLoS ONE, 2017, 12, e0177937. | 1.1 | 33 |
| 199 | The Importance of Physician Climate Advocacy in the Face of Political Denial. AMA Journal of Ethics, 2017, 19, 1222-1237. | 0.4 | 6 |
| 200 | A new indicator framework for quantifying the intensity of the terrestrial water cycle. Journal of Hydrology, 2018, 559, 361-372. | 2.3 | 31 |
| 201 | Climate Change: From Science to Practice. Current Environmental Health Reports, 2018, 5, 170-178. | 3.2 | 39 |
| 202 | Revisiting concepts of thermal physiology: Predicting responses of mammals to climate change. Journal of Animal Ecology, 2018, 87, 956-973. | 1.3 | 163 |
| 203 | Climate Change and Increasing Risk of Extreme Heat. SpringerBriefs in Medical Earth Sciences, 2018, , 1-13. | 0.3 | 1 |
| 204 | Land radiative management as contributor to regional-scale climate adaptation and mitigation. Nature Geoscience, 2018, 11, 88-96. | 5.4 | 96 |
| 205 | Handbook of Climate Change Communication: Vol. 3. Climate Change Management, 2018, , . | 0.6 | 5 |
| 206 | Evaluating the Effectiveness of Mitigation Options on Heat Stress for Sydney, Australia. Journal of Applied Meteorology and Climatology, 2018, 57, 209-220. | 0.6 | 29 |
| 207 | Temperature and humidity based projections of a rapid rise in global heat stress exposure during the 21st century. Environmental Research Letters, 2018, 13, 014001. | 2.2 | 244 |
| 208 | Assessment of the combination of temperature and relative humidity on kidney stone presentations. Environmental Research, 2018, 162, 97-105. | 3.7 | 39 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 209 | 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. | 1.2 | 47 |
| 210 | Atmospheric dynamics and habitability range in Earth-like aquaplanets obliquity simulations. <i>Icarus</i> , 2018, 305, 84-90. | 1.1 | 35 |
| 211 | Assessment of Outdoor Workers Perception Working in Extreme Hot Climate. <i>Climate Change Management</i> , 2018, , 183-195. | 0.6 | 2 |
| 212 | Unfounded assumptions in linking crop-damaging temperature and suicide in India. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E116-E116. | 3.3 | 6 |
| 213 | Heat: a primer for public health researchers. <i>Public Health</i> , 2018, 161, 138-146. | 1.4 | 63 |
| 214 | Accounting for adaptation and intensity in projecting heat wave-related mortality. <i>Environmental Research</i> , 2018, 161, 464-471. | 3.7 | 51 |
| 215 | Australian climate extremes in the 21st century according to a regional climate model ensemble: Implications for health and agriculture. <i>Weather and Climate Extremes</i> , 2018, 20, 54-68. | 1.6 | 52 |
| 216 | The effect of hot days on occupational heat stress in the manufacturing industry: implications for workers' well-being and productivity. <i>International Journal of Biometeorology</i> , 2018, 62, 1251-1264. | 1.3 | 42 |
| 218 | Mitigation gambles: uncertainty, urgency and the last gamble possible. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170105. | 1.6 | 20 |
| 219 | Forecasting West African Heat Waves at Subseasonal and Seasonal Time Scales. <i>Monthly Weather Review</i> , 2018, 146, 889-907. | 0.5 | 23 |
| 220 | Stratospheric aerosol injection research and existential risk. <i>Futures</i> , 2018, 102, 63-77. | 1.4 | 40 |
| 221 | Occupational heat stress assessment and protective strategies in the context of climate change. <i>International Journal of Biometeorology</i> , 2018, 62, 359-371. | 1.3 | 112 |
| 222 | Orderly recruitment of thermoeffectors in resting humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R171-R180. | 0.9 | 24 |
| 223 | Kidney Diseases in Agricultural Communities: A Case Against Heat-Stress Nephropathy. <i>Kidney International Reports</i> , 2018, 3, 271-280. | 0.4 | 63 |
| 224 | Changes in relative fit of human heat stress indices to cardiovascular, respiratory, and renal hospitalizations across five Australian urban populations. <i>International Journal of Biometeorology</i> , 2018, 62, 423-432. | 1.3 | 22 |
| 225 | Assessing urban population vulnerability and environmental risks across an urban area during heatwaves: Implications for health protection. <i>Science of the Total Environment</i> , 2018, 610-611, 678-690. | 3.9 | 105 |
| 226 | Changing world extreme temperature statistics. <i>International Journal of Climatology</i> , 2018, 38, 2613-2617. | 1.5 | 16 |
| 227 | Equitable Access to Air Conditioning: A City Health Department's Perspective on Preventing Heat-related Deaths. <i>Epidemiology</i> , 2018, 29, 749-752. | 1.2 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 228 | Implications for workability and survivability in populations exposed to extreme heat under climate change: a modelling study. <i>Lancet Planetary Health</i> , The, 2018, 2, e540-e547. | 5.1 | 68 |
| 229 | Valuing the Global Mortality Consequences of Climate Change Accounting for Adaptation Costs and Benefits. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 22 |
| 230 | Health risks of warming of 1.5°C, 2°C, and higher, above pre-industrial temperatures. <i>Environmental Research Letters</i> , 2018, 13, 063007. | 2.2 | 65 |
| 231 | Toward an alternative dialogue between the social and natural sciences. <i>Ecology and Society</i> , 2018, 23, . | 1.0 | 21 |
| 232 | How Important Is Humidity in Heat Stress?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 11,808. | 1.2 | 60 |
| 233 | Increasing Heat Stress in Urban Areas of Eastern China: Acceleration by Urbanization. <i>Geophysical Research Letters</i> , 2018, 45, 13,060. | 1.5 | 131 |
| 234 | Short Warm-Side Temperature Distribution Tails Drive Hot Spots of Warm Temperature Extreme Increases under Near-Future Warming. <i>Journal of Climate</i> , 2018, 31, 9469-9487. | 1.2 | 15 |
| 236 | An Economist's Guide to Climate Change Science. <i>Journal of Economic Perspectives</i> , 2018, 32, 3-32. | 2.7 | 80 |
| 237 | Evaluating Climate Sensitivity to CO ₂ Across Earth's History. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 11,861. | 1.2 | 16 |
| 238 | Warm Terrestrial Subtropics During the Paleocene and Eocene: Carbonate Clumped Isotope ($\delta^{13}C_{org}$) Evidence From the Tornillo Basin, Texas (USA). <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 1230-1249. | 1.3 | 9 |
| 239 | Rainfall estimation with TFR model using Ensemble Kalman filter. <i>Journal of Physics: Conference Series</i> , 2018, 974, 012031. | 0.3 | 0 |
| 240 | Climate Change, Health and Existential Risks to Civilization: A Comprehensive Review (1989–2013). <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2266. | 1.2 | 126 |
| 241 | Beyond Threshold Approaches to Extreme Heat: Repositioning Adaptation as Everyday Practice. <i>Weather, Climate, and Society</i> , 2018, 10, 885-898. | 0.5 | 25 |
| 242 | Adaptation strategies for minimizing heat wave induced morbidity and its determinants. <i>Sustainable Cities and Society</i> , 2018, 41, 95-103. | 5.1 | 52 |
| 243 | Evaluating future nanotechnology: The net societal impacts of atomically precise manufacturing. <i>Futures</i> , 2018, 100, 63-73. | 1.4 | 17 |
| 244 | Projected timing of perceivable changes in climate extremes for terrestrial and marine ecosystems. <i>Global Change Biology</i> , 2018, 24, 4696-4708. | 4.2 | 29 |
| 245 | Humid heat and climate change. <i>Progress in Physical Geography</i> , 2018, 42, 391-405. | 1.4 | 56 |
| 246 | Climate and Temperature – General Principles. , 2018, , 122-154. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 247 | The Science of Adaptation to Extreme Heat. , 2018, , 89-103. | | 9 |
| 248 | How Uneven Are Changes to Impactâ€Relevant Climate Hazards in a 1.5 Â°C World and Beyond?. Geophysical Research Letters, 2018, 45, 6672-6680. | 1.5 | 33 |
| 249 | The effects of increasing surface reflectivity on heat-related mortality in Greater Montreal Area, Canada. Urban Climate, 2018, 25, 135-151. | 2.4 | 35 |
| 250 | Projected Changes in Extreme High Temperature and Heat Stress in China. Journal of Meteorological Research, 2018, 32, 351-366. | 0.9 | 34 |
| 251 | North China Plain threatened by deadly heatwaves due to climate change and irrigation. Nature Communications, 2018, 9, 2894. | 5.8 | 294 |
| 252 | Cooling Effect of Urban Trees on the Built Environment of Contiguous United States. Earth's Future, 2018, 6, 1066-1081. | 2.4 | 91 |
| 253 | Impacts of tropical deforestation on local temperature and human well-being perceptions. Global Environmental Change, 2018, 52, 181-189. | 3.6 | 64 |
| 254 | The motivation to behaviorally thermoregulate during passive heat exposure in humans is dependent on the magnitude of increases in skin temperature. Physiology and Behavior, 2018, 194, 545-551. | 1.0 | 16 |
| 255 | Climate change, population, and poverty: vulnerability and exposure to heat stress in countries bordering the Great Lakes of Africa. Climatic Change, 2018, 148, 561-573. | 1.7 | 30 |
| 256 | Recasting of the WEF Nexus as an actor with a new economic platform and management model. Energy Policy, 2018, 119, 123-139. | 4.2 | 25 |
| 257 | The Ghost Cities of Australia. Springer Briefs in Geography, 2018, , . | 0.1 | 9 |
| 258 | Projections of rising heat stress over the western Maritime Continent from dynamically downscaled climate simulations. Global and Planetary Change, 2018, 165, 160-172. | 1.6 | 24 |
| 259 | Higher CO2 concentrations increase extreme event risk in a 1.5 Â°C world. Nature Climate Change, 2018, 8, 604-608. | 8.1 | 104 |
| 260 | Population growth, energy use, and the implications for the search for extraterrestrial intelligence. Futures, 2019, 106, 4-17. | 1.4 | 32 |
| 261 | The Physiology of Heat Tolerance in Small Endotherms. Physiology, 2019, 34, 302-313. | 1.6 | 100 |
| 262 | Future Heat Stress During Muslim Pilgrimage (Hajj) Projected to Exceed â€œExtreme Dangerâ€•Levels. Geophysical Research Letters, 2019, 46, 10094-10100. | 1.5 | 18 |
| 263 | Increased frequency of and population exposure to extreme heat index days in the United States during the 21st century. Environmental Research Communications, 2019, 1, 075002. | 0.9 | 71 |
| 264 | Obligatory Nocturnalism in Triassic Archaic Mammals: Preservation of Sperm Quality?. Physiological and Biochemical Zoology, 2019, 92, 544-553. | 0.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 265 | An upper bound for the background rate of human extinction. <i>Scientific Reports</i> , 2019, 9, 11054. | 1.6 | 10 |
| 266 | Heat Stress Response to National-Committed Emission Reductions under the Paris Agreement. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2202. | 1.2 | 12 |
| 267 | Will there be cold-related mortality in Spain over the 2021–2050 and 2051–2100 time horizons despite the increase in temperatures as a consequence of climate change?. <i>Environmental Research</i> , 2019, 176, 108557. | 3.7 | 15 |
| 268 | Characteristics of summer heat stress in China during 1979–2014: climatology and long-term trends. <i>Climate Dynamics</i> , 2019, 53, 5375-5388. | 1.7 | 44 |
| 269 | Influence of urban land cover data uncertainties on the numerical simulations of urbanization effects in the 2013 high-temperature episode in Eastern China. <i>Theoretical and Applied Climatology</i> , 2019, 138, 1715-1734. | 1.3 | 6 |
| 270 | Changes in the frequency of hot, humid conditions in the Mississippi River Basin. , 2019, , . | | 3 |
| 271 | Projecting global urban land expansion and heat island intensification through 2050. <i>Environmental Research Letters</i> , 2019, 14, 114037. | 2.2 | 205 |
| 272 | Extreme Wet-Bulb Temperatures in China: The Significant Role of Moisture. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11944-11960. | 1.2 | 24 |
| 273 | Characterization of Extreme Wet-Bulb Temperature Events in Southern Pakistan. <i>Geophysical Research Letters</i> , 2019, 46, 10659-10668. | 1.5 | 33 |
| 274 | Nonlinear increases in extreme temperatures paradoxically dampen increases in extreme humid-heat. <i>Environmental Research Letters</i> , 2019, 14, 084003. | 2.2 | 25 |
| 275 | Observed Multi-Timescale Differences between Summertime Near-Surface Equivalent Temperature and Temperature for China and Their Linkage with Global Sea Surface Temperatures. <i>Atmosphere</i> , 2019, 10, 447. | 1.0 | 1 |
| 276 | The optimal tuning, within carbon limits, of thermal mass in naturally ventilated buildings. <i>Building and Environment</i> , 2019, 165, 106373. | 3.0 | 14 |
| 277 | Global drivers of minimum mortality temperatures in cities. <i>Science of the Total Environment</i> , 2019, 695, 133560. | 3.9 | 9 |
| 278 | Impacts of Climate Change on Outdoor Workers and their Safety: Some Research Priorities. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3458. | 1.2 | 78 |
| 279 | Diminishing Cognitive Capacities in an Ever Hotter World: Evidence From an Applicable Power-Law Description. <i>Human Factors</i> , 2019, 61, 906-919. | 2.1 | 6 |
| 280 | Prediction of heat waves in Pakistan using quantile regression forests. <i>Atmospheric Research</i> , 2019, 221, 1-11. | 1.8 | 74 |
| 281 | Future impacts of the reforestation policy on the atmospheric parameters in Ireland: a sensitivity study including heat discomfort impacts on humans and livestock. <i>Personal and Ubiquitous Computing</i> , 2019, 23, 707-721. | 1.9 | 1 |
| 282 | The impact of climate change and urban growth on urban climate and heat stress in a subtropical city. <i>International Journal of Climatology</i> , 2019, 39, 3013-3030. | 1.5 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 283 | Public Health Adaptation to Heat Waves in Response to Climate Change in China. , 2019, , 171-190. | | 1 |
| 284 | Real time extended range prediction of heat waves over India. Scientific Reports, 2019, 9, 9008. | 1.6 | 38 |
| 285 | Surface Temperatures in the Urban Environment. , 2019, , 203-226. | | 1 |
| 286 | Heat-health action plans in Europe: Challenges ahead and how to tackle them. Environmental Research, 2019, 176, 108548. | 3.7 | 45 |
| 287 | Telling the boiling frog what he needs to know: why climate change risks should be plotted as probability over time. Geoscience Communication, 2019, 2, 95-100. | 0.5 | 4 |
| 289 | Evaluation of wearable sensors for physiologic monitoring of individually experienced temperatures in outdoor workers in southeastern U.S.. Environment International, 2019, 129, 229-238. | 4.8 | 51 |
| 290 | The asymmetric impact of abundant preceding rainfall on heat stress in low latitudes. Environmental Research Letters, 2019, 14, 044010. | 2.2 | 11 |
| 291 | Aligning National Interests and Global Climate Justice: The Role of Human Rights in Enhancing the Ambition of Nationally Determined Contributions to Combat Climate Change. Fudan Journal of the Humanities and Social Sciences, 2019, 12, 309-327. | 1.5 | 9 |
| 292 | Patterns of outdoor exposure to heat in three South Asian cities. Science of the Total Environment, 2019, 674, 264-278. | 3.9 | 48 |
| 293 | Projected Changes in United States Regional Extreme Heat Days Derived From Bivariate Quantile Mapping of CMIP5 Simulations. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5214-5232. | 1.2 | 9 |
| 294 | Climate Changeâ€œRelated Heat Stress and Subjective Well-Being in Australia. Weather, Climate, and Society, 2019, 11, 505-520. | 0.5 | 20 |
| 295 | A global risk assessment of primates under climate and land use/cover scenarios. Global Change Biology, 2019, 25, 3163-3178. | 4.2 | 36 |
| 296 | Global Heat Wave Hazard Considering Humidity Effects during the 21st Century. International Journal of Environmental Research and Public Health, 2019, 16, 1513. | 1.2 | 24 |
| 297 | Climate change and educational attainment in the global tropics. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8840-8845. | 3.3 | 54 |
| 298 | Anthropogenic climate change and heat effects on health. International Journal of Climatology, 2019, 39, 4751-4768. | 1.5 | 17 |
| 299 | Looking past the horizon of 2100. Nature Climate Change, 2019, 9, 349-351. | 8.1 | 2 |
| 301 | The Earth System. , 2019, , 19-43. | | 0 |
| 302 | Impacts of Chemical Pollution. , 2019, , 44-64. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 303 | Modelling Environmental Transport and Fate of Pollutants. , 2019, , 65-93. | | 3 |
| 304 | Qualitative and Quantitative Risk Assessment. , 2019, , 118-138. | | 1 |
| 305 | Environmental Assessment of Products and Processes. , 2019, , 139-169. | | 0 |
| 308 | South Asian perspective on temperature and rainfall extremes: A review. Atmospheric Research, 2019, 225, 110-120. | 1.8 | 63 |
| 309 | Cities of the Southwest are testbeds for urban resilience. Frontiers in Ecology and the Environment, 2019, 17, 79-80. | 1.9 | 10 |
| 310 | Interactions between humidity and evaporative heat dissipation in a passerine bird. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2019, 189, 299-308. | 0.7 | 37 |
| 311 | A controlled heat stress during late gestation affects thermoregulation, productive performance, and metabolite profiles of primiparous sow. Journal of Thermal Biology, 2019, 81, 33-40. | 1.1 | 38 |
| 312 | KEYNOTE: Global Extinction and Animal Welfare: Two Priorities for Effective Altruism. Global Policy, 2019, 10, 258-266. | 1.0 | 3 |
| 313 | The Engineerâ€™s Role in Environmental Protection. , 2019, , 1-18. | | 0 |
| 314 | Introduction to Toxicology. , 2019, , 94-117. | | 0 |
| 315 | Regulatory Structures. , 2019, , 170-197. | | 0 |
| 317 | Temporally Compound Heat Wave Events and Global Warming: An Emerging Hazard. Earth's Future, 2019, 7, 411-427. | 2.4 | 147 |
| 318 | Recent trends in climate variability at the local scale—using 40 years of observations: the case of the Paris region of France. Atmospheric Chemistry and Physics, 2019, 19, 13129-13155. | 1.9 | 7 |
| 319 | Interdecadal Variations of the Temporal and Spatial Distribution of Summer Extreme Heat in China. Atmosphere - Ocean, 2019, 57, 365-377. | 0.6 | 2 |
| 320 | Validating the usefulness and calibration of a two-dimensional situation model of urgency-adaptability for cities responding to climate change â€” Taking Shenzhen as case study. IOP Conference Series: Earth and Environmental Science, 2019, 351, 012025. | 0.2 | 1 |
| 321 | Constraining the Magnitude of Climate Extremes From Timeâ€Varying Instellation on a Circumbinary Terrestrial Planet. Journal of Geophysical Research E: Planets, 2019, 124, 3231-3243. | 1.5 | 11 |
| 322 | The Human Cost of Anthropogenic Global Warming: Semi-Quantitative Prediction and the 1,000-Tonne Rule. Frontiers in Psychology, 2019, 10, 2323. | 1.1 | 29 |
| 323 | Changes in statistical distributions of sub-daily surface temperatures and wind speed. Earth System Dynamics, 2019, 10, 765-788. | 2.7 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 324 | Socio-economic, infrastructural and health-related risk factors associated with adverse heat-health effects reportedly experienced during hot weather in South Africa. Pan African Medical Journal, 2019, 34, 40. | 0.3 | 7 |
| 325 | Regulation of Body Temperature by Autonomic and Behavioral Thermoeffectors. Exercise and Sport Sciences Reviews, 2019, 47, 116-126. | 1.6 | 52 |
| 326 | The K ppen-Trewartha Climate Type Changes Over the CORDEX East Asia Phase 2 Domain Under 2 and 3  C Global Warming. Geophysical Research Letters, 2019, 46, 14030-14041. | 1.5 | 18 |
| 327 | Islands as refuges for surviving global catastrophes. Foresight, 2019, 21, 100-117. | 1.2 | 11 |
| 328 | The Social Cost of Carbon: Valuing Inequality, Risk, and Population for Climate Policy. Monist, The, 2019, 102, 84-109. | 0.3 | 35 |
| 329 | Are European decision-makers preparing for high-end climate change?. Regional Environmental Change, 2019, 19, 629-642. | 1.4 | 9 |
| 330 | Sustainable Real Estate in the Middle East: Challenges and Future Trends. Palgrave Studies in Sustainable Business in Association With Future Earth, 2019, , 403-426. | 0.5 | 8 |
| 331 | Upholding labour productivity under climate change: an assessment of adaptation options. Climate Policy, 2019, 19, 367-385. | 2.6 | 65 |
| 332 | Assessment of Warming Projections and Probabilities for Brazil. , 2019, , 7-30. | | 4 |
| 333 | Temperature trends and prediction skill in NMME seasonal forecasts. Climate Dynamics, 2019, 53, 7201-7213. | 1.7 | 17 |
| 334 | Towards establishing evidence-based guidelines on maximum indoor temperatures during hot weather in temperate continental climates. Temperature, 2019, 6, 11-36. | 1.7 | 46 |
| 335 | Assembling a thermal rhythm analysis: Energetic flows, heat stress and polyrhythmic interactions in the context of climate change. Geoforum, 2020, 108, 275-285. | 1.4 | 18 |
| 336 | Geospatial Technologies for Urban Health. Global Perspectives on Health Geography, 2020, , . | 0.2 | 4 |
| 337 | Amplified or exaggerated changes in perceived temperature extremes under global warming. Climate Dynamics, 2020, 54, 117-127. | 1.7 | 15 |
| 338 | Factors affecting crop water use efficiency: A worldwide meta-analysis. Agricultural Water Management, 2020, 228, 105878. | 2.4 | 63 |
| 339 | Global change biology: A primer. Global Change Biology, 2020, 26, 3-30. | 4.2 | 172 |
| 340 | Climate change impacts on critical urban infrastructure and urban resiliency strategies for the Middle East. Sustainable Cities and Society, 2020, 54, 101948. | 5.1 | 131 |
| 341 | Exertional Heat Illness. , 2020, , . | | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 342 | Changes in climate extremes in observations and climate model simulations. From the past to the future. , 2020, , 31-57. | | 11 |
| 343 | One Health: How Interdependence Enriches Veterinary Ethics Education. <i>Animals</i> , 2020, 10, 13. | 1.0 | 10 |
| 344 | World record extreme sea surface temperatures in the northwestern Arabian/Persian Gulf verified by in situ measurements. <i>Marine Pollution Bulletin</i> , 2020, 161, 111766. | 2.3 | 30 |
| 345 | Projections of heat stress and associated work performance over India in response to global warming. <i>Scientific Reports</i> , 2020, 10, 16675. | 1.6 | 37 |
| 346 | Hygric Niches for Tropical Endotherms. <i>Trends in Ecology and Evolution</i> , 2020, 35, 938-952. | 4.2 | 41 |
| 347 | The ultimate cost of carbon. <i>Climatic Change</i> , 2020, 162, 2069-2086. | 1.7 | 7 |
| 348 | Doing biocultural anthropology: Continuity and change. <i>American Journal of Human Biology</i> , 2020, 32, e23471. | 0.8 | 21 |
| 349 | Projecting Exposure to Extreme Climate Impact Events Across Six Event Categories and Three Spatial Scales. <i>Earth's Future</i> , 2020, 8, e2020EF001616. | 2.4 | 69 |
| 350 | Catastrophic climate change, population ethics and intergenerational equity. <i>Climatic Change</i> , 2020, 163, 873-890. | 1.7 | 13 |
| 352 | Moist heat stress extremes in India enhanced by irrigation. <i>Nature Geoscience</i> , 2020, 13, 722-728. | 5.4 | 106 |
| 353 | Deadly Compound Heat Stress&€Flooding Hazard Across the Central United States. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089185. | 1.5 | 38 |
| 354 | The Resilience of Habitable Climates Around Circumbinary Stars. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006576. | 1.5 | 7 |
| 355 | Energy decisions within an applied ethics framework: an analysis of five recent controversies. <i>Energy, Sustainability and Society</i> , 2020, 10, . | 1.7 | 6 |
| 356 | Review of Biometeorology of Heatwaves and Warm Extremes in Europe. <i>Atmosphere</i> , 2020, 11, 1276. | 1.0 | 26 |
| 357 | Into Thick(er) Air? Oxygen Availability at Humans' Physiological Frontier on Mount Everest. <i>IScience</i> , 2020, 23, 101718. | 1.9 | 11 |
| 358 | Effectiveness of Urban Hydrological Processes in Mitigating Urban Heat Island and Human Thermal Stress During a Heat Wave Event in Nanjing, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033275. | 1.2 | 16 |
| 359 | Changes in Global and Regional Characteristics of Heat Stress Waves in the 21st Century. <i>Earth's Future</i> , 2020, 8, e2020EF001636. | 2.4 | 22 |
| 360 | COSMO-CLM Performance and Projection of Daily and Hourly Temperatures Reaching 50 Â°C or Higher in Southern Iraq. <i>Atmosphere</i> , 2020, 11, 1155. | 1.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 361 | Analysis of the heat budget of standard, cool and watered pavements under lab heat-wave conditions. <i>Energy and Buildings</i> , 2020, 228, 110455. | 3.1 | 14 |
| 362 | Increased skin wetness independently augments cool-seeking behaviour during passive heat stress. <i>Journal of Physiology</i> , 2020, 598, 2775-2790. | 1.3 | 17 |
| 363 | Modeling heat stress changes based on wet-bulb globe temperature in respect to global warming. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 441-450. | 1.4 | 3 |
| 364 | The April 2010 North African heatwave: when the water vapor greenhouse effect drives nighttime temperatures. <i>Climate Dynamics</i> , 2020, 54, 3879-3905. | 1.7 | 10 |
| 365 | Quantitatively evaluating the effect of urbanization on heat waves in China. <i>Science of the Total Environment</i> , 2020, 731, 138857. | 3.9 | 48 |
| 366 | Optimal Climate Policy When Damages are Unknown. <i>American Economic Journal: Economic Policy</i> , 2020, 12, 340-373. | 1.5 | 14 |
| 367 | The emergence of heat and humidity too severe for human tolerance. <i>Science Advances</i> , 2020, 6, eaaw1838. | 4.7 | 355 |
| 368 | Getting Humans Off Monkeys' Backs: Using Primate Acclimation as a Guide for Habitat Management Efforts. <i>Integrative and Comparative Biology</i> , 2020, 60, 413-424. | 0.9 | 1 |
| 369 | Revisiting Recent U.S. Heat Waves in a Warmer and More Humid Climate. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086736. | 1.5 | 36 |
| 370 | The Effect of Maximum Daily Temperature on Outdoor Violence. <i>Crime and Delinquency</i> , 2023, 69, 1161-1182. | 1.1 | 14 |
| 371 | Escalating global exposure to compound heat-humidity extremes with warming. <i>Environmental Research Letters</i> , 2020, 15, 064003. | 2.2 | 89 |
| 372 | An Observational Case Study of Synergies between an Intense Heat Wave and the Urban Heat Island in Beijing. <i>Journal of Applied Meteorology and Climatology</i> , 2020, 59, 605-620. | 0.6 | 43 |
| 373 | Multivariate climate departures have outpaced univariate changes across global lands. <i>Scientific Reports</i> , 2020, 10, 3891. | 1.6 | 23 |
| 374 | Large scale tropical deforestation drives extreme warming. <i>Environmental Research Letters</i> , 2020, 15, 084012. | 2.2 | 51 |
| 375 | Hotspots of extreme heat under global warming. <i>Climate Dynamics</i> , 2020, 55, 429-447. | 1.7 | 39 |
| 376 | From blue to green water and back again: Promoting tree, shrub and forest-based landscape resilience in the Sahel. <i>Science of the Total Environment</i> , 2020, 739, 140002. | 3.9 | 21 |
| 377 | Lecture Notes on Resource and Environmental Economics. <i>The Economics of Non-market Goods and Resources</i> , 2020, , . | 1.2 | 0 |
| 378 | Diverse Effects of Thermal Conditions on Performance of Marathon Runners. <i>Frontiers in Psychology</i> , 2020, 11, 1438. | 1.1 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 379 | On the potential impacts of climate change on baseball and cross-country skiing. <i>Managing Sport and Leisure</i> , 2020, 25, 307-320. | 2.2 | 27 |
| 380 | Rapid Warming in Summer Wet Bulb Globe Temperature in China with Human-Induced Climate Change. <i>Journal of Climate</i> , 2020, 33, 5697-5711. | 1.2 | 40 |
| 381 | The effects of 3D architectural patterns on the urban surface temperature at a neighborhood scale: Relative contributions and marginal effects. <i>Journal of Cleaner Production</i> , 2020, 258, 120706. | 4.6 | 80 |
| 382 | Moist Heat Stress on a Hotter Earth. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 623-655. | 4.6 | 104 |
| 383 | Reductions in Labor Capacity from Intensified Heat Stress in China under Future Climate Change. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1278. | 1.2 | 15 |
| 384 | Regional Climate Impacts of Irrigation in Northern Italy Using a High Resolution Model. <i>Atmosphere</i> , 2020, 11, 72. | 1.0 | 5 |
| 385 | Rational design of sun and wind shaded evaporative cooling vests for enhanced personal cooling in hot and dry climates. <i>Applied Thermal Engineering</i> , 2020, 171, 115122. | 3.0 | 20 |
| 386 | Changes in the frequency of hot, humid days and nights in the Mississippi River Basin. <i>International Journal of Climatology</i> , 2020, 40, 4715-4730. | 1.5 | 6 |
| 387 | Shifting velocity of temperature extremes under climate change. <i>Environmental Research Letters</i> , 2020, 15, 034027. | 2.2 | 7 |
| 388 | Spatio-temporal variability of the annual and monthly extreme temperature indices in Nepal. <i>International Journal of Climatology</i> , 2020, 40, 4956-4977. | 1.5 | 22 |
| 389 | Underestimated Change of Wet-Bulb Temperatures Over East and South China. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086140. | 1.5 | 37 |
| 390 | 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. | 2.3 | 31 |
| 391 | Surveying perceptions and practices of high-end climate change. <i>Climatic Change</i> , 2020, 161, 65-87. | 1.7 | 2 |
| 392 | The critical role of humidity in modeling summer electricity demand across the United States. <i>Nature Communications</i> , 2020, 11, 1686. | 5.8 | 51 |
| 393 | Human thermoregulation during prolonged exposure to warm and extremely humid environments expected to occur in disabled submarine scenarios. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R950-R960. | 0.9 | 7 |
| 394 | Heat wave trends in Southeast Asia during 1979–2018: The impact of humidity. <i>Science of the Total Environment</i> , 2020, 721, 137664. | 3.9 | 61 |
| 395 | Near-Future pCO_2 During the Hot Miocene Climatic Optimum. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA003900. | 1.3 | 37 |
| 396 | International Politics in the Age of Existential Threats. <i>Journal of Global Security Studies</i> , 2021, 6, . | 0.5 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 397 | Global warming, heat-related illnesses, and the dermatologist. <i>International Journal of Women's Dermatology</i> , 2021, 7, 70-84. | 1.1 | 21 |
| 399 | Emergence of robust anthropogenic increase of heat stress-related variables projected from CORDEX-CORE climate simulations. <i>Climate Dynamics</i> , 2021, 57, 1629-1644. | 1.7 | 13 |
| 400 | Climate Warming and Occupational Heat and Hot Environment Standards in Thailand. <i>Safety and Health at Work</i> , 2021, 12, 119-126. | 0.3 | 9 |
| 401 | The future urban heat-wave challenge in Africa: Exploratory analysis. <i>Global Environmental Change</i> , 2021, 66, 102190. | 3.6 | 31 |
| 402 | Risks of space colonization. <i>Futures</i> , 2021, 126, 102638. | 1.4 | 8 |
| 403 | Intensified Humid Heat Events Under Global Warming. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091462. | 1.5 | 17 |
| 404 | Different changes in dry and humid heat waves over <sc>China</sc>. <i>International Journal of Climatology</i> , 2021, 41, 1369-1382. | 1.5 | 21 |
| 405 | Planning for Climate Change. <i>Journal of the American Planning Association</i> , 2021, 87, 34-44. | 0.9 | 7 |
| 406 | Evaluating heat extremes in the UK Climate Projections (UKCP18). <i>Environmental Research Letters</i> , 2021, 16, 014039. | 2.2 | 18 |
| 407 | Non-technical Aspects of Household Energy Reductions. , 2021, , 1-26. | | 0 |
| 408 | Excess Mortality in England during the 2019 Summer Heatwaves. <i>Climate</i> , 2021, 9, 14. | 1.2 | 8 |
| 409 | Physiological and Molecular Responses to High, Chilling, and Freezing Temperature in Plant Growth and Production: Consequences and Mitigation Possibilities. , 2021, , 235-290. | | 9 |
| 410 | Climate change and existential threats. , 2021, , 1-31. | | 11 |
| 411 | Human-Made Risks and Climate Change with Global Heating. , 2021, , 117-148. | | 2 |
| 412 | Human-Perceived Temperature Changes in South Korea and Their Association with Atmospheric Circulation Patterns. <i>Journal of Climate</i> , 2021, 34, 1273-1290. | 1.2 | 6 |
| 413 | Effect of Climate Change Associated Hazards on Agricultural Workers and Approaches for Assessing Heat Stress and Its Mitigation Strategies – Review of Some Research Significances. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2021, 10, 2947-2975. | 0.0 | 3 |
| 414 | Persistent Increases in Nighttime Heat Stress From Urban Expansion Despite Heat Island Mitigation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033831. | 1.2 | 27 |
| 415 | The Relative Contributions of Temperature and Moisture to Heat Stress Changes under Warming. <i>Journal of Climate</i> , 2021, 34, 901-917. | 1.2 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 416 | From Paris to Makkah: heat stress risks for Muslim pilgrims at 1.5 °C and 2 °C. <i>Environmental Research Letters</i> , 2021, 16, 024037. | 2.2 | 18 |
| 417 | Long-term global ground heat flux and continental heat storage from geothermal data. <i>Climate of the Past</i> , 2021, 17, 451-468. | 1.3 | 17 |
| 418 | Heat Stress Indicators in CMIP6: Estimating Future Trends and Exceedances of Impact-Relevant Thresholds. <i>Earth's Future</i> , 2021, 9, e2020EF001885. | 2.4 | 71 |
| 419 | Projections of tropical heat stress constrained by atmospheric dynamics. <i>Nature Geoscience</i> , 2021, 14, 133-137. | 5.4 | 54 |
| 420 | Assessing climate change's contribution to global catastrophic risk. <i>Futures</i> , 2021, 127, 102673. | 1.4 | 25 |
| 421 | Heat stress on agricultural workers exacerbates crop impacts of climate change. <i>Environmental Research Letters</i> , 2021, 16, 044020. | 2.2 | 58 |
| 422 | Wet-bulb Temperature and Sea-level Rise in the United Arab Emirates – Planning Responses. <i>Planning Practice and Research</i> , 2021, 36, 408-429. | 0.8 | 9 |
| 423 | Combined LCMS/MS and 16S rDNA analysis on mice under high temperature and humidity and Herb Yinchen protection mechanism. <i>Scientific Reports</i> , 2021, 11, 5099. | 1.6 | 3 |
| 424 | Comparison of two mathematical models for predicted human thermal responses to hot and humid environments. <i>Journal of Thermal Biology</i> , 2021, 97, 102902. | 1.1 | 5 |
| 425 | A novel mouse model of heatstroke accounting for ambient temperature and relative humidity. <i>Journal of Intensive Care</i> , 2021, 9, 35. | 1.3 | 11 |
| 426 | 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. | 1.7 | 13 |
| 427 | The requirement for physical effort reduces voluntary cooling behavior during heat exposure in humans. <i>Physiology and Behavior</i> , 2021, 232, 113350. | 1.0 | 1 |
| 428 | Compound Climate Events and Extremes in the Midlatitudes: Dynamics, Simulation, and Statistical Characterization. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E774-E781. | 1.7 | 18 |
| 429 | Deadly Heat Stress to Become Commonplace Across South Asia Already at 1.5°C of Global Warming. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091191. | 1.5 | 50 |
| 430 | First assessment of the earth heat inventory within CMIP5 historical simulations. <i>Earth System Dynamics</i> , 2021, 12, 581-600. | 2.7 | 7 |
| 431 | Heat stress in dairy cows. <i>Tehnologija Virobnictva i Pererobki Produktov Tvarinnictva</i> , 2021, , 7-13. | 0.2 | 3 |
| 432 | Climate Trends at a Hotspot of Chronic Kidney Disease of Unknown Causes in Nicaragua, 1973–2014. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5418. | 1.2 | 7 |
| 433 | An Extreme Heat Event Induced by Typhoon Lekima (2019) and Its Contributing Factors. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034760. | 1.2 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 434 | Modeling lives saved from extreme heat by urban tree cover. Ecological Modelling, 2021, 449, 109553. | 1.2 | 17 |
| 435 | Estimating the magnitude and risk associated with heat exposure among Ghanaian mining workers. International Journal of Biometeorology, 2021, 65, 2059-2075. | 1.3 | 3 |
| 436 | The upper temperature thresholds of life. Lancet Planetary Health, The, 2021, 5, e378-e385. | 5.1 | 41 |
| 437 | Outdoor heat stress and cognition: Effects on those over 40 years old in China. Weather and Climate Extremes, 2021, 32, 100308. | 1.6 | 6 |
| 438 | Sources of Greenhouse Gas Emissions in Agriculture, with Particular Emphasis on Emissions from Energy Used. Energies, 2021, 14, 3784. | 1.6 | 64 |
| 439 | Changes in regional wet heatwave in Eurasia during summer (1979-2017). Environmental Research Letters, 2021, 16, 064094. | 2.2 | 18 |
| 440 | Assessing human habitability and migration. Science, 2021, 372, 1279-1283. | 6.0 | 52 |
| 441 | Establishing intensifying chronic exposure to extreme heat as a slow onset event with implications for health, wellbeing, productivity, society and economy. Current Opinion in Environmental Sustainability, 2021, 50, 225-235. | 3.1 | 28 |
| 442 | Paleoclimate model-derived thermal lapse rates: Towards increasing precision in paleoaltimetry studies. Earth and Planetary Science Letters, 2021, 564, 116903. | 1.8 | 17 |
| 443 | Population Ethics and the Prospects for Fertility Policy as Climate Mitigation Policy. Journal of Development Studies, 2021, 57, 1499-1510. | 1.2 | 9 |
| 445 | Effects of short-term physiological and psychological adaptation on summer thermal comfort of outdoor exercising people in China. Building and Environment, 2021, 198, 107877. | 3.0 | 37 |
| 446 | Decreases in relative humidity across Australia. Environmental Research Letters, 2021, 16, 074023. | 2.2 | 18 |
| 447 | The mortality cost of carbon. Nature Communications, 2021, 12, 4467. | 5.8 | 99 |
| 448 | Near-term regional climate change over Bangladesh. Climate Dynamics, 2021, 57, 3055-3073. | 1.7 | 11 |
| 449 | Nonstationary weather and water extremes: a review of methods for their detection, attribution, and management. Hydrology and Earth System Sciences, 2021, 25, 3897-3935. | 1.9 | 109 |
| 450 | Future Projections of Heat Mortality Risk for Major European Cities. Weather, Climate, and Society, 2021, , . | 0.5 | 5 |
| 451 | Large Future Increase in Exposure Risks of Extreme Heat Within Southern China Under Warming Scenario. Frontiers in Earth Science, 2021, 9, . | 0.8 | 5 |
| 452 | A Review of Heat Stress Impact Towards Construction Workers Productivities and Health Based on Several Heat Stress Model. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2021, 85, 161-168. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 453 | Spatiotemporal variations of evapotranspiration and reference crop water requirement over 1957–2016 in Iran based on CRU TS gridded dataset. <i>Journal of Arid Land</i> , 2021, 13, 858-878. | 0.9 | 10 |
| 454 | Assessment of the Regional and Sectoral Economic Impacts of Heat-Related Changes in Labor Productivity Under Climate Change in China. <i>Earth's Future</i> , 2021, 9, e2021EF002028. | 2.4 | 10 |
| 455 | Characteristics of Enhanced Heatwaves over Tanzania and Scenario Projection in the 21st Century. <i>Atmosphere</i> , 2021, 12, 1026. | 1.0 | 4 |
| 456 | Responses of extreme high temperatures to urbanization in the Beijing–Tianjin–Hebei urban agglomeration in the context of a changing climate. <i>Meteorological Applications</i> , 2021, 28, e2024. | 0.9 | 18 |
| 457 | A simple model for assessing climate control trade-offs and responding to unanticipated climate outcomes. <i>Environmental Research Letters</i> , 2021, 16, 104012. | 2.2 | 3 |
| 458 | Recent Increases in Exposure to Extreme Humid–Heat Events Disproportionately Affect Populated Regions. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094183. | 1.5 | 41 |
| 459 | Climate change research and action must look beyond 2100. <i>Global Change Biology</i> , 2022, 28, 349-361. | 4.2 | 63 |
| 460 | A systems lens to evaluate the compound human health impacts of anthropogenic activities. <i>One Earth</i> , 2021, 4, 1233-1247. | 3.6 | 0 |
| 461 | Heat exposure effect on Ghanaian mining workers: A mediated-moderation approach. <i>Science of the Total Environment</i> , 2021, 788, 147843. | 3.9 | 5 |
| 462 | A vast increase in heat exposure in the 21st century is driven by global warming and urban population growth. <i>Sustainable Cities and Society</i> , 2021, 73, 103098. | 5.1 | 35 |
| 463 | Perceptions of heat-health impacts and the effects of knowledge and preventive actions by outdoor workers in Hanoi, Vietnam. <i>Science of the Total Environment</i> , 2021, 794, 148260. | 3.9 | 10 |
| 464 | Composite design and thermal comfort evaluation of safety helmet with phase change materials cooling. <i>Thermal Science</i> , 2021, 25, 891-900. | 0.5 | 7 |
| 465 | Study of heat wave and rainfall over Adilabad Region, India during 2013. <i>AIP Conference Proceedings</i> , 2021, , . | 0.3 | 0 |
| 466 | Risking the earth Part 1: Reassessing dangerous anthropogenic interference and climate risk in IPCC processes. <i>Climate Risk Management</i> , 2021, 31, 100257. | 1.6 | 4 |
| 468 | Climate Change and Heat Exposure: Impact on Health in Occupational and General Populations. , 2020, , 225-261. | | 11 |
| 470 | A Review of the Health Sector Impacts of 4 °C or more Temperature Rise. , 2019, , 67-129. | | 5 |
| 471 | Climate Extremes: Challenges in Estimating and Understanding Recent Changes in the Frequency and Intensity of Extreme Climate and Weather Events. , 2013, , 339-389. | | 76 |
| 472 | Twenty-First Century Contextual Influences on the Life Trajectories of the Gifted and Talented. , 2016, , 15-42. | | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 473 | Twenty-First Century Contextual Influences on the Life Trajectories of Creative Young People. , 2016, , 21-48. | | 7 |
| 474 | Fast and Slow Feedbacks in Future Climates. , 2012, , 99-139. | | 1 |
| 475 | The vulnerability of homes to overheating in Myanmar today and in the future: A heat index analysis of measured and simulated data. Energy and Buildings, 2020, 223, 110201. | 3.1 | 17 |
| 477 | Global warming: Improve economic models of climate change. Nature, 2014, 508, 173-175. | 13.7 | 166 |
| 478 | Effect of irrigation on humid heat extremes. Environmental Research Letters, 2020, 15, 094010. | 2.2 | 33 |
| 479 | Substantial decline in atmospheric aridity due to irrigation in India. Environmental Research Letters, 2020, 15, 124060. | 2.2 | 20 |
| 480 | Performance Evaluation of a Smart Mobile Air Temperature and Humidity Sensor for Characterizing Intracity Thermal Environment. Journal of Atmospheric and Oceanic Technology, 2020, 37, 1891-1905. | 0.5 | 11 |
| 481 | Hospitality; or, A Critique of Un/Inhabitability. Cultural Politics, 2019, 15, 202-222. | 0.4 | 2 |
| 482 | Avoiding collapse: Grand challenges for science and society to solve by 2050. Elementa, 2016, 4, . | 1.1 | 28 |
| 483 | Post-Heading Heat Stress in Rice of South China during 1981-2010. PLoS ONE, 2015, 10, e0130642. | 1.1 | 39 |
| 484 | Human Heat stress risk prediction in the Brazilian semiarid Region based on the Wet-Bulb Globe Temperature. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20180748. | 0.3 | 5 |
| 485 | The Ethics of Global Catastrophic Risk from Dual-Use Bioengineering. Ethics in Biology, Engineering & Medicine, 2013, 4, 59-72. | 0.1 | 6 |
| 486 | Risk Premia and the Social Cost of Carbon: A Review. SSRN Electronic Journal, 0, , . | 0.4 | 1 |
| 487 | Climate Risks and Carbon Prices: Revising the Social Cost of Carbon. SSRN Electronic Journal, 0, , . | 0.4 | 12 |
| 488 | The Case for Forceful Stewardship (Part 2): Managing Climate Risk. SSRN Electronic Journal, 0, , . | 0.4 | 3 |
| 489 | Temperature, Worker Productivity, and Adaptation: Evidence from Survey Data Production. SSRN Electronic Journal, 0, , . | 0.4 | 3 |
| 490 | Comparative Climatology of Terrestrial Planets. , 2013, , . | | 6 |
| 491 | Changes in thermal discomfort indices in Romania and their connections with large-scale mechanisms. Climate Research, 2015, 64, 213-226. | 0.4 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 492 | Using thermoregulatory profiles to assess climate change vulnerability in an arboreal tropical bat: heterothermy may be a pre-adaptive advantage. <i>Climate Research</i> , 2017, 74, 161-170. | 0.4 | 10 |
| 493 | A New Method to Assess Fine-Scale Outdoor Thermal Comfort for Urban Agglomerations. <i>Climate</i> , 2020, 8, 6. | 1.2 | 13 |
| 495 | Effects of $\delta^{13}\text{C}$ -aminobutyric acid on the tissue structure, antioxidant activity, cell apoptosis, and cytokine contents of bursa of Fabricius in chicks under heat stress. <i>Archives Animal Breeding</i> , 2016, 59, 97-105. | 0.5 | 8 |
| 497 | Heat stored in the Earth system: where does the energy go?. <i>Earth System Science Data</i> , 2020, 12, 2013-2041. | 3.7 | 181 |
| 498 | Recent Trends in Temperature and Relative Humidity in Bawku East, Northern Ghana. <i>Journal of Geography and Geology</i> , 2014, 6, 69. | 0.4 | 12 |
| 499 | Human Health. , 2013, , 312-339. | | 6 |
| 503 | The cost of changes in energy use in a warming world. <i>Nature</i> , 2021, 598, 262-263. | 13.7 | 8 |
| 504 | Lessons Learned from Applying Adaptation Pathways in Heatwave Risk Management in Antwerp and Key Challenges for Further Development. <i>Sustainability</i> , 2021, 13, 11481. | 1.6 | 1 |
| 505 | The role of humidity in determining future electricity demand in the southeastern United States. <i>Environmental Research Letters</i> , 2021, 16, 114017. | 2.2 | 6 |
| 506 | Global urban population exposure to extreme heat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 201 |
| 507 | The role of temporal resolution of meteorological inputs from reanalysis data in estimating air humidity for modelling applications. <i>Agricultural and Forest Meteorology</i> , 2021, 311, 108672. | 1.9 | 2 |
| 510 | Decision Making and Nature's Rules of Engagement. <i>Social-environmental Sustainability Series</i> , 2012, , 37-84. | 0.0 | 0 |
| 511 | Getting From Here to There: Policy Pathways to Address Human Mobility in the Context of Climate Change. , 2014, , 89-111. | | 0 |
| 512 | An interdisciplinary framework of limits and barriers to agricultural climate change adaptation. , 0, , . | | 0 |
| 513 | Targets, Taxes, and Learning: Optimizing Climate Policy Under Knightian Damages. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 1 |
| 514 | Future Directions in Health and Fitness. <i>Studies in History and Philosophy of Science</i> , 2015, , 1065-1077. | 0.1 | 1 |
| 515 | Barriers to New Northern Cities. <i>Springer Briefs in Geography</i> , 2018, , 91-110. | 0.1 | 0 |
| 516 | Gesundheit. , 2018, , 173-192. | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 518 | Projections and Hazards of Future Extreme Heat. , 0, , . | | 1 |
| 519 | Geospatial Approaches to Measuring Personal Heat Exposure and Related Health Effects in Urban Settings. <i>Global Perspectives on Health Geography</i> , 2020, , 13-30. | 0.2 | 0 |
| 520 | The Economy's Coevolution with Nature. , 2020, , 3-34. | | 0 |
| 521 | Artificial Neural Networks for Prediction of Steadman Heat Index. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 293-357. | 0.3 | 1 |
| 522 | RETURN LEVEL ESTIMATES OF MAXIMUM TEMPERATURE FOR DIFFERENT RETURN PERIOD. <i>Journal of Mechanics of Continua and Mathematical Sciences</i> , 2020, 15, . | 0.0 | 1 |
| 523 | Climate Change, Public Health, Social Peace. , 2020, , 225-238. | | 0 |
| 524 | Political Institutions. , 2020, , 111-141. | | 0 |
| 525 | Passive cooling for thermal comfort in informal housing. <i>Journal of Energy in Southern Africa</i> , 2020, 31, 28-39. | 0.5 | 8 |
| 526 | Air-conditioning and the adaptation cooling deficit in emerging economies. <i>Nature Communications</i> , 2021, 12, 6460. | 5.8 | 48 |
| 527 | Quantifying the Potential Macroeconomic Consequences of Global Climate Change: What the Literature Says. <i>Administrative Consulting</i> , 2020, , 45-60. | 0.1 | 0 |
| 528 | Chronic heat stress in tropical urban informal settlements. <i>IScience</i> , 2021, 24, 103248. | 1.9 | 25 |
| 529 | Planetary albedo decline over Northwest India contributing to near surface warming. <i>Science of the Total Environment</i> , 2021, 816, 151607. | 3.9 | 1 |
| 530 | Digital Simulation for Buildings's™ Outdoor Thermal Comfort in Urban Neighborhoods. <i>Buildings</i> , 2021, 11, 541. | 1.4 | 7 |
| 531 | On the Controlling Factors for Globally Extreme Humid Heat. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096082. | 1.5 | 17 |
| 532 | 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. | 1.3 | 11 |
| 533 | Projected Extreme Heat Stress in Northern Australia and the Implications for Development Policy. <i>Planning Practice and Research</i> , 2022, 37, 601-623. | 0.8 | 6 |
| 534 | Behavioral flexibility facilitates the use of spatial and temporal refugia during variable winter weather. <i>Behavioral Ecology</i> , 2022, 33, 446-454. | 1.0 | 6 |
| 535 | Effects of heat waves on urban warming across different urban morphologies and climate zones. <i>Building and Environment</i> , 2022, 209, 108677. | 3.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 536 | Assessment of the Impact of Higher Temperatures Due to Climate Change on the Mortality Risk Indexes in Ecuador Until 2070. <i>Frontiers in Earth Science</i> , 2022, 9, . | 0.8 | 2 |
| 537 | Soil drought can mitigate deadly heat stress thanks to a reduction of air humidity. <i>Science Advances</i> , 2022, 8, eabe6653. | 4.7 | 30 |
| 538 | Present and future land surface and wet bulb temperatures in the Arabian Peninsula. <i>Environmental Research Letters</i> , 2022, 17, 044029. | 2.2 | 13 |
| 539 | Earlier onset of the Early Cretaceous Equatorial humidity belt. <i>Global and Planetary Change</i> , 2022, 208, 103724. | 1.6 | 11 |
| 540 | Global long-term mapping of surface temperature shows intensified intra-city urban heat island extremes. <i>Global Environmental Change</i> , 2022, 72, 102441. | 3.6 | 34 |
| 541 | Explicit Calculations of Wet-Bulb Globe Temperature Compared With Approximations and Why It Matters for Labor Productivity. <i>Earth's Future</i> , 2022, 10, . | 2.4 | 25 |
| 542 | Effects of urbanization on heat waves based on the wet-bulb temperature in the Yangtze River Delta urban agglomeration, China. <i>Urban Climate</i> , 2022, 41, 101067. | 2.4 | 17 |
| 543 | Volcanic Climate Warming Through Radiative and Dynamical Feedbacks of SO ₂ Emissions. <i>Geophysical Research Letters</i> , 2022, 49, . | 1.5 | 5 |
| 544 | Evaluating the 35°C wet-bulb temperature adaptability threshold for young, healthy subjects (PSU) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 5 | 1.2 | 59 |
| 545 | Classic and exertional heatstroke. <i>Nature Reviews Disease Primers</i> , 2022, 8, 8. | 18.1 | 128 |
| 546 | An Empirical Climate Damage Function Accounting for Climate Extremes and Adaptation. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 547 | Projected Changes in Socioeconomic Exposure to Heatwaves in South Asia Under Changing Climate. <i>Earth's Future</i> , 2022, 10, . | 2.4 | 65 |
| 548 | Rising risks of compound extreme heat-precipitation events in China. <i>International Journal of Climatology</i> , 2022, 42, 5785-5795. | 1.5 | 41 |
| 549 | A Regional Review of Marine and Coastal Impacts of Climate Change on the ROPME Sea Area. <i>Sustainability</i> , 2021, 13, 13810. | 1.6 | 17 |
| 551 | Effect of the Near-Future Climate Change under RCP8.5 on the Heat Stress and Associated Work Performance in Thailand. <i>Atmosphere</i> , 2022, 13, 325. | 1.0 | 14 |
| 552 | Damage Functions and the Social Cost of Carbon: Addressing Uncertainty in Estimating the Economic Consequences of Mitigating Climate Change. <i>Environmental Management</i> , 2022, 69, 919-936. | 1.2 | 4 |
| 553 | Investigation of Metabolome Underlying the Biological Mechanisms of Acute Heat Stressed Granulosa Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2146. | 1.8 | 12 |
| 554 | The Influence of Intraseasonal Oscillations on Humid Heat in the Persian Gulf and South Asia. <i>Journal of Climate</i> , 2022, 35, 4309-4329. | 1.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 555 | 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. | 0.6 | 8 |
| 556 | POTENTIAL RISKS OF OUTDOOR SPORTS IN A CHANGING CLIMATE. <i>Ankara Üniversitesi Beden Eğitimi Ve Spor Yılı Kokulu SPORMETRE Beden Eğitimi Ve Spor Bilimleri Dergisi</i> , 0, , 145-163. | 0.2 | 0 |
| 557 | Concentrated and Intensifying Humid Heat Extremes in the IPCC AR6 Regions. <i>Geophysical Research Letters</i> , 2022, 49, . | 1.5 | 27 |
| 558 | Internal thermal mass for passive cooling and ventilation: adaptive comfort limits, ideal quantities, embodied carbon. <i>Buildings and Cities</i> , 2022, 3, 42. | 1.1 | 2 |
| 560 | Irrigated cropland expansion exacerbates the urban moist heat stress in northern India. <i>Environmental Research Letters</i> , 2022, 17, 054013. | 2.2 | 7 |
| 561 | Heat vulnerability caused by physical and social conditions in a mountainous megacity of Chongqing, China. <i>Sustainable Cities and Society</i> , 2022, 80, 103792. | 5.1 | 21 |
| 562 | Cool roofs can mitigate cooling energy demand for informal settlement dwellers. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 159, 112183. | 8.2 | 18 |
| 563 | Urbanization Amplifies Nighttime Heat Stress on Warmer Days Over the US. <i>Geophysical Research Letters</i> , 2021, 48, . | 1.5 | 29 |
| 564 | Las estimaciones erróneas de los daños del cambio climático. <i>Revista De Economía Institucional</i> , 2021, 24, 249-298. | 0.3 | 0 |
| 565 | A water and greenhouse gas inventory for hygroscopic building-scale cooling tower operations. <i>Building and Environment</i> , 2022, 218, 109086. | 3.0 | 2 |
| 566 | Valuing the Global Mortality Consequences of Climate Change Accounting for Adaptation Costs and Benefits. <i>Quarterly Journal of Economics</i> , 2022, 137, 2037-2105. | 3.8 | 99 |
| 567 | Extreme weather and societal impacts in the eastern Mediterranean. <i>Earth System Dynamics</i> , 2022, 13, 749-777. | 2.7 | 34 |
| 569 | Increases of extreme heat-humidity days endanger future populations living in China. <i>Environmental Research Letters</i> , 2022, 17, 064013. | 2.2 | 13 |
| 570 | Transcriptome Reveals Granulosa Cells Coping through Redox, Inflammatory and Metabolic Mechanisms under Acute Heat Stress. <i>Cells</i> , 2022, 11, 1443. | 1.8 | 13 |
| 571 | Risk Factors for Severe and Fatal Heat-Related Illness in UK Dogs – A VetCompass Study. <i>Veterinary Sciences</i> , 2022, 9, 231. | 0.6 | 6 |
| 572 | Heat stress in Beijing and its relationship with boundary layer structure and air pollution. <i>Atmospheric Environment</i> , 2022, 282, 119159. | 1.9 | 3 |
| 573 | Investigation into the thermal comfort and physiological adaptability of outdoor physical training in college students. <i>Science of the Total Environment</i> , 2022, 839, 155979. | 3.9 | 15 |
| 574 | A defense of usable climate mitigation science: how science can contribute to social movements. <i>Climatic Change</i> , 2022, 172, . | 1.7 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 575 | Climate change, behavior change and health: a multidisciplinary, translational and multilevel perspective. <i>Translational Behavioral Medicine</i> , 2022, 12, 503-515. | 1.2 | 8 |
| 576 | O Antropoceno como acelera o aquecimento global. <i>Liinc Em Revista</i> , 2022, 18, e5968. | 0.1 | 2 |
| 577 | Future Changes in African Heatwaves and Their Drivers at the Convective Scale. <i>Journal of Climate</i> , 2022, 35, 5981-6006. | 1.2 | 4 |
| 578 | Non-technical Aspects of Household Energy Reductions. , 2022, , 937-962. | | 0 |
| 579 | Facing the Mega-Greenhouse: Climate Change Policies for the Very Long Run. , 2022, , 289-311. | | 0 |
| 580 | Robust increase in population exposure to heat stress with increasing global warming. <i>Environmental Research Letters</i> , 2022, 17, 064049. | 2.2 | 17 |
| 581 | Extending the Heat Index. <i>Journal of Applied Meteorology and Climatology</i> , 2022, 61, 1367-1383. | 0.6 | 6 |
| 584 | A multi-method framework for global real-time climate attribution. <i>Advances in Statistical Climatology, Meteorology and Oceanography</i> , 2022, 8, 135-154. | 0.6 | 0 |
| 585 | The emergence of prolonged deadly humid heatwaves. <i>International Journal of Climatology</i> , 2022, 42, 8607-8618. | 1.5 | 2 |
| 586 | Heat stress in Africa under high intensity climate change. <i>International Journal of Biometeorology</i> , 2022, 66, 1531-1545. | 1.3 | 9 |
| 587 | 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, . | 1.6 | 4 |
| 588 | Emerging Trends in Overcoming the Weather Barrier to Sustainable Mobility in Gulf and Tropical Cities. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1026, 012040. | 0.2 | 3 |
| 590 | Os efeitos das mudanças climáticas nas condições de conforto térmico urbano. <i>PARC: Pesquisa Em Arquitetura E Construção</i> , 0, 13, e022022. | 0.3 | 1 |
| 591 | Increasing health risks during outdoor sports due to climate change in Texas: Projections vs. attitudes. <i>GeoHealth</i> , 0, , . | 1.9 | 1 |
| 592 | The inequality labor loss risk from future urban warming and adaptation strategies. <i>Nature Communications</i> , 2022, 13, . | 5.8 | 15 |
| 593 | Historical and future weather data for dynamic building simulations in Belgium using the regional climate model MAR: typical and extreme meteorological year and heatwaves. <i>Earth System Science Data</i> , 2022, 14, 3039-3051. | 3.7 | 10 |
| 594 | Sign of Observed California Temperature Trends Depends on Data Set Homogenization: Implications for Weighting and Downscaling. <i>Geophysical Research Letters</i> , 2022, 49, . | 1.5 | 0 |
| 595 | Probabilistic projections of increased heat stress driven by climate change. <i>Communications Earth & Environment</i> , 2022, 3, . | 2.6 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 596 | Studies on urban park cooling effects and their driving factors in China: Considering 276 cities under different climate zones. <i>Building and Environment</i> , 2022, 222, 109441. | 3.0 | 24 |
| 597 | The Role of the Skin in Interoception: A Neglected Organ?. <i>Perspectives on Psychological Science</i> , 2023, 18, 224-238. | 5.2 | 23 |
| 598 | Thermal physiology, more relevant than ever before. <i>Journal of Applied Physiology</i> , 2022, 133, 676-678. | 1.2 | 7 |
| 600 | Long-term Phanerozoic global mean sea level: Insights from strontium isotope variations and estimates of continental glaciation. <i>Gondwana Research</i> , 2022, 111, 103-121. | 3.0 | 24 |
| 601 | Probabilistic modeling and identifying fluctuations in annual extreme heatwave regimes of Karachi. <i>Meteorology and Atmospheric Physics</i> , 2022, 134, . | 0.9 | 0 |
| 602 | Climate change and the prevention of cardiovascular disease. <i>American Journal of Preventive Cardiology</i> , 2022, 12, 100391. | 1.3 | 11 |
| 603 | Climatic multidecadal indices of Ilogosi relative to humidity and diurnal temperature. <i>AIP Conference Proceedings</i> , 2022, , . | 0.3 | 0 |
| 604 | Beyond Carbon: The Contributions of South American Tropical Humid and Subhumid Forests to Ecosystem Services. <i>Reviews of Geophysics</i> , 2022, 60, . | 9.0 | 14 |
| 605 | Global Increases in Lethal Compound Heat Stress: Hydrological Drought Hazards Under Climate Change. <i>Geophysical Research Letters</i> , 2022, 49, . | 1.5 | 41 |
| 606 | The existential risk space of climate change. <i>Climatic Change</i> , 2022, 174, . | 1.7 | 21 |
| 607 | Temporally compounding heatwaveâ€“heavy rainfall events in Australia. <i>International Journal of Climatology</i> , 2023, 43, 1050-1061. | 1.5 | 9 |
| 608 | Heat Stress During Arbaâ€™een Footâ€™Pilgrimage (Worldâ€™s Largest Gathering) Projected to Reach â€œDangerousâ€•Levels Due To Climate Change. <i>Geophysical Research Letters</i> , 2022, 49, . | 1.5 | 3 |
| 609 | Adverse heatâ€™health outcomes and critical environmental limits (Pennsylvania State University Human) Tj ETQq0 0.0 rgBT /Qverlock 103 | 0.8 | 3 |
| 610 | Lower Urban Humidity Moderates Outdoor Heat Stress. <i>AGU Advances</i> , 2022, 3, . | 2.3 | 36 |
| 611 | HSP expression depends on its molecular construction and different organs of the chicken: a meta-analysis. <i>Scientific Reports</i> , 2022, 12, . | 1.6 | 3 |
| 612 | Field study on the effect of space type, exercise intensity, and wet bulb globe temperature on thermal responses of exercisers. <i>Building and Environment</i> , 2022, 225, 109555. | 3.0 | 6 |
| 613 | The precipice: Existential risk and the future of humanity by Toby Ord. New York: Hachette Books, 2020.Seth D.Baum. <i>Risk Analysis</i> , 2022, 42, 2122-2124. | 1.5 | 1 |
| 614 | Globally unequal effect of extreme heat on economic growth. <i>Science Advances</i> , 2022, 8, . | 4.7 | 35 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 615 | Global urban exposure projections to extreme heatwaves. <i>Frontiers in Built Environment</i> , 0, 8, . | 1.2 | 3 |
| 616 | Categorizing and Harmonizing Natural, Technological, and Socio-Economic Perils Following the Catastrophe Modeling Paradigm. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 12780. | 1.2 | 1 |
| 617 | Spatial analysis of land surface temperature distribution: case of the Greater Beirut Area. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 0, , . | 0.6 | 0 |
| 618 | Updated projections of UK heat-related mortality using policy-relevant global warming levels and socio-economic scenarios. <i>Environmental Research Letters</i> , 0, , . | 2.2 | 3 |
| 619 | Diurnal and seasonal variability of near surface temperature and humidity in the Maritime Continent. <i>Journal of Applied Meteorology and Climatology</i> , 2022, , . | 0.6 | 0 |
| 620 | An Empirical Equation for Wet-Bulb Temperature Using Air Temperature and Relative Humidity. <i>Atmosphere</i> , 2022, 13, 1765. | 1.0 | 0 |
| 621 | Regional and seasonal variation of climate extremes over Saudi Arabia: observed evidence for the period 1978â€“2021. <i>Arabian Journal of Geosciences</i> , 2022, 15, . | 0.6 | 4 |
| 622 | Observational Evidence of Increasing Compound Tropical Cycloneâ€“Moist Heat Extremes in India. <i>Earth's Future</i> , 2022, 10, . | 2.4 | 4 |
| 623 | What causes compound humidity-heat extremes to have different coupling strengths over the mid-lower reaches of the Yangtze River?. <i>Climate Dynamics</i> , 2023, 60, 4099-4109. | 1.7 | 3 |
| 624 | Climate uncertainties and biodiversity: An overview. , 2023, , 1-14. | | 1 |
| 625 | Ambient heat stress and urolithiasis attacks in China: Implication for climate change. <i>Environmental Research</i> , 2023, 217, 114850. | 3.7 | 1 |
| 626 | Extreme heat and climate change. , 2023, , 5-36. | | 0 |
| 627 | Substantial increase in human-perceived heatwaves in eastern China in a warmer future. <i>Atmospheric Research</i> , 2023, 283, 106554. | 1.8 | 11 |
| 628 | Near-term regional climate change in East Africa. <i>Climate Dynamics</i> , 2023, 61, 961-978. | 1.7 | 6 |
| 629 | Limits to adaptation: Building an integrated research agenda. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2023, 14, . | 3.6 | 1 |
| 630 | A Comparative Assessment of Changes in Heat-Related Mortality Risk Under the RCP2.6 and RCP8.5 Scenarios Based on the CORDEX-CORE Ensembles. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 0, , . | 1.3 | 0 |
| 631 | Prediction and projection of heatwaves. <i>Nature Reviews Earth & Environment</i> , 2023, 4, 36-50. | 12.2 | 43 |
| 632 | Significant Increases in Wet Nighttime and Daytimeâ€“Nighttime Compound Heat Waves in China from 1961 to 2020. <i>Atmosphere</i> , 2023, 14, 178. | 1.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 633 | Mercury Contamination Challenges the Behavioral Response of a Keystone Species to Arctic Climate Change. <i>Environmental Science & Technology</i> , 2023, 57, 2054-2063. | 4.6 | 10 |
| 634 | Responses to heat waves: what can Twitter data tell us?. <i>Natural Hazards</i> , 2023, 116, 3547-3564. | 1.6 | 2 |
| 635 | Contrasting impacts of dry versus humid heat on US corn and soybean yields. <i>Scientific Reports</i> , 2023, 13, . | 1.6 | 2 |
| 636 | Temperature, Worker Productivity, and Adaptation: Evidence from Survey Data Production. <i>American Economic Journal: Applied Economics</i> , 2023, 15, 192-229. | 1.5 | 6 |
| 637 | Underestimated increase and intensification of humid-heat extremes across southeast China due to humidity data inhomogeneity. <i>Frontiers in Environmental Science</i> , 0, 10, . | 1.5 | 2 |
| 638 | Predicting fatal heat and humidity using the heat index model. <i>Journal of Applied Physiology</i> , 2023, 134, 649-656. | 1.2 | 2 |
| 639 | Work accidents, climate change and COVID-19. <i>Science of the Total Environment</i> , 2023, 871, 162129. | 3.9 | 2 |
| 640 | Critical Environmental Limits for Human Thermoregulation in the Context of a Changing Climate. , 2023, 1, . | | 3 |
| 641 | A geographic information systems and remote sensingâ€based approach to assess urban micro-climate change and its impact on human health in Bartin, Turkey. <i>Environmental Monitoring and Assessment</i> , 2023, 195, . | 1.3 | 12 |
| 642 | Hot Rocks: Interpreting Extremes of Earth Surface Temperatures from the Geologic Record. <i>Paleoceanography and Paleoclimatology</i> , 0, , . | 1.3 | 0 |
| 643 | The meso scale as a frontier in interdisciplinary modeling of sustainability from local to global scales. <i>Environmental Research Letters</i> , 2023, 18, 025007. | 2.2 | 6 |
| 644 | The urban heat island and thermal heat stress correlate with climate dynamics and energy budget variations in multiple urban environments. <i>Sustainable Cities and Society</i> , 2023, 91, 104422. | 5.1 | 10 |
| 645 | Inequality of Global Thermal Comfort Conditions Changes in a Warmer World. <i>Earth's Future</i> , 2023, 11, . | 2.4 | 6 |
| 646 | An upper bound for extreme temperatures over midlatitude land. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, . | 3.3 | 11 |
| 647 | Large humidity effects on urban heat exposure and cooling challenges under climate change. <i>Environmental Research Letters</i> , 2023, 18, 044024. | 2.2 | 6 |
| 648 | A keystone avian predator faces elevated energy expenditure in a warming Arctic. <i>Ecology</i> , 2023, 104, . | 1.5 | 4 |
| 649 | Topic modelling the mobility response to heat and drought. <i>Climatic Change</i> , 2023, 176, . | 1.7 | 1 |
| 650 | Urban heat and desert wildlife: rodent body condition across a gradient of surface temperatures. <i>Urban Ecosystems</i> , 2023, 26, 917-928. | 1.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 651 | Diverging trends in <scp>US</scp> summer dewpoint since 1948. International Journal of Climatology, 2023, 43, 4183-4195. | 1.5 | 2 |
| 654 | Importance of humidity for characterization and communication of dangerous heatwave conditions. Npj Climate and Atmospheric Science, 2023, 6, . | 2.6 | 3 |
| 674 | The Urban Boundary Layer. Springer Atmospheric Sciences, 2023, , 271-294. | 0.4 | 0 |
| 683 | A century of exercise physiology: concepts that ignited the study of human thermoregulation. Part 3: Heat and cold tolerance during exercise. European Journal of Applied Physiology, 2024, 124, 1-145. | 1.2 | 1 |
| 684 | A century of exercise physiology: concepts that ignited the study of human thermoregulation. Part 4: evolution, thermal adaptation and unsupported theories of thermoregulation. European Journal of Applied Physiology, 2024, 124, 147-218. | 1.2 | 1 |
| 691 | Resilient Education: Dealing with Nascent Hybris. , 2023, , 333-360. | | 0 |
| 693 | How Hot is Too Hot. Studies in Systems, Decision and Control, 2023, , 21-27. | 0.8 | 0 |