

# Radley Horton

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

7,378  
citations

61857

43  
h-index

56606

83  
g-index

90  
all docs

90  
docs citations

90  
times ranked

8074  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Concentrated and Intensifying Humid Heat Extremes in the IPCC AR6 Regions. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	27
3	Habitat use as indicator of adaptive capacity to climate change. <i>Diversity and Distributions</i> , 2021, 27, 655-667.	1.9	9
4	Life-cycle assessment of climate change impact on time-dependent carbon-footprint of asphalt pavement. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 91, 102697.	3.2	17
5	Assessing human habitability and migration. <i>Science</i> , 2021, 372, 1279-1283.	6.0	52
6	Drivers of exceptional coastal warming in the northeastern United States. <i>Nature Climate Change</i> , 2021, 11, 854-860.	8.1	23
7	Recent Increases in Exposure to Extreme Humid Heat Events Disproportionately Affect Populated Regions. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094183.	1.5	41
8	Stronger temperature–moisture couplings exacerbate the impact of climate warming on global crop yields. <i>Nature Food</i> , 2021, 2, 683-691.	6.2	100
9	On the Controlling Factors for Globally Extreme Humid Heat. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096082.	1.5	17
10	Amplified Rossby waves enhance risk of concurrent heatwaves in major breadbasket regions. <i>Nature Climate Change</i> , 2020, 10, 48-53.	8.1	164
11	Net benefits to US soy and maize yields from intensifying hourly rainfall. <i>Nature Climate Change</i> , 2020, 10, 819-822.	8.1	45
12	Enhancing New York City's resilience to sea level rise and increased coastal flooding. <i>Urban Climate</i> , 2020, 33, 100654.	2.4	23
13	The emergence of heat and humidity too severe for human tolerance. <i>Science Advances</i> , 2020, 6, eaaw1838.	4.7	355
14	Understanding and managing connected extreme events. <i>Nature Climate Change</i> , 2020, 10, 611-621.	8.1	273
15	Modeling coastal flood risk and adaptation response under future climate conditions. <i>Climate Risk Management</i> , 2020, 29, 100233.	1.6	22
16	A typology of compound weather and climate events. <i>Nature Reviews Earth &amp; Environment</i> , 2020, 1, 333-347.	12.2	536
17	Daily Autocorrelation and Mean Temperature/Moisture Rise as Determining Factors for Future Heat-Wave Patterns in the United States. <i>Journal of Applied Meteorology and Climatology</i> , 2020, 59, 1735-1754.	0.6	4
18	Projected increase in the spatial extent of contiguous US summer heat waves and associated attributes. <i>Environmental Research Letters</i> , 2019, 14, 114029.	2.2	54

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19	Future Hot and Dry Years Worsen Nile Basin Water Scarcity Despite Projected Precipitation Increases. <i>Earth's Future</i> , 2019, 7, 967-977.	2.4	79
20	Nonlinear increases in extreme temperatures paradoxically dampen increases in extreme humid-heat. <i>Environmental Research Letters</i> , 2019, 14, 084003.	2.2	25
21	Rising Sea Levels: Helping Decision-Makers Confront the Inevitable. <i>Coastal Management</i> , 2019, 47, 127-150.	1.0	23
22	High-resolution projections of extreme heat in New York City. <i>International Journal of Climatology</i> , 2019, 39, 4721-4735.	1.5	17
23	New York City Panel on Climate Change 2019 Report Chapter 2: New Methods for Assessing Extreme Temperatures, Heavy Downpours, and Drought. <i>Annals of the New York Academy of Sciences</i> , 2019, 1439, 30-70.	1.8	21
24	New York City Panel on Climate Change 2019 Report Chapter 3: Sea Level Rise. <i>Annals of the New York Academy of Sciences</i> , 2019, 1439, 71-94.	1.8	22
25	Towards reliable Arctic sea ice prediction using multivariate data assimilation. <i>Science Bulletin</i> , 2019, 64, 63-72.	4.3	27
26	Temperature and humidity based projections of a rapid rise in global heat stress exposure during the 21st century. <i>Environmental Research Letters</i> , 2018, 13, 014001.	2.2	244
27	Long-term projections of temperature-related mortality risks for ischemic stroke, hemorrhagic stroke, and acute ischemic heart disease under changing climate in Beijing, China. <i>Environment International</i> , 2018, 112, 1-9.	4.8	44
28	Blue Water Trade-offs With Vegetation in a CO <sub>2</sub> -Enriched Climate. <i>Geophysical Research Letters</i> , 2018, 45, 3115-3125.	1.5	46
29	Evolution of 21st Century Sea Level Rise Projections. <i>Earth's Future</i> , 2018, 6, 1603-1615.	2.4	90
30	The Science of Adaptation to Extreme Heat. , 2018, , 89-103.		9
31	Impact of climate change on heat-related mortality in Jiangsu Province, China. <i>Environmental Pollution</i> , 2017, 224, 317-325.	3.7	73
32	Total and Extreme Precipitation Changes over the Northeastern United States. <i>Journal of Hydrometeorology</i> , 2017, 18, 1783-1798.	0.7	99
33	Influence of internal variability on population exposure to hydroclimatic changes. <i>Environmental Research Letters</i> , 2017, 12, 044007.	2.2	22
34	Considerations in managing the fill rate of the Grand Ethiopian Renaissance Dam Reservoir using a system dynamics approach. <i>Journal of Defense Modeling and Simulation</i> , 2017, 14, 33-43.	1.2	10
35	Threats to North American forests from southern pine beetle with warming winters. <i>Nature Climate Change</i> , 2017, 7, 713-717.	8.1	109
36	Evolving Understanding of Antarctic Ice Sheet Physics and Ambiguity in Probabilistic Sea Level Projections. <i>Earth's Future</i> , 2017, 5, 1217-1233.	2.4	269

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37	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
38	The impacts of rising temperatures on aircraft takeoff performance. <i>Climatic Change</i> , 2017, 144, 381-388.	1.7	56
39	Assessing ecosystem service provision under climate change to support conservation and development planning in Myanmar. <i>PLoS ONE</i> , 2017, 12, e0184951.	1.1	31
40	Towards More Comprehensive Projections of Urban Heat-Related Mortality: Estimates for New York City under Multiple Population, Adaptation, and Climate Scenarios. <i>Environmental Health Perspectives</i> , 2017, 125, 47-55.	2.8	71
41	Coping with Higher Sea Levels and Increased Coastal Flooding in New York City. <i>Climate Change Management</i> , 2017, , 209-223.	0.6	2
42	Assessment of Arctic and Antarctic sea ice predictability in CMIP5 decadal hindcasts. <i>Cryosphere</i> , 2016, 10, 2429-2452.	1.5	20
43	The Vulnerability, Impacts, Adaptation and Climate Services Advisory Board (VIACS AB v1.0) contribution to CMIP6. <i>Geoscientific Model Development</i> , 2016, 9, 3493-3515.	1.3	31
44	Synthetic Scenarios from CMIP5 Model Simulations for Climate Change Impact Assessments in Managed Ecosystems and Water Resources: Case Study in South Asian Countries. <i>Transactions of the ASABE</i> , 2016, 59, 1715-1731.	1.1	8
45	Reply to "Comment on "Climate Change and the Impact of Extreme Temperatures on Aviation". <i>Weather, Climate, and Society</i> , 2016, 8, 207-208.	0.5	1
46	A Review of Recent Advances in Research on Extreme Heat Events. <i>Current Climate Change Reports</i> , 2016, 2, 242-259.	2.8	284
47	Ageing Will Amplify the Heat-related Mortality Risk under a Changing Climate: Projection for the Elderly in Beijing, China. <i>Scientific Reports</i> , 2016, 6, 28161.	1.6	67
48	Development and Evaluation of High-Resolution Climate Simulations over the Mountainous Northeastern United States. <i>Journal of Hydrometeorology</i> , 2016, 17, 881-896.	0.7	15
49	Evaluation of dynamic coastal response to sea-level rise modifies inundation likelihood. <i>Nature Climate Change</i> , 2016, 6, 696-700.	8.1	105
50	Climate change and fetal health: The impacts of exposure to extreme temperatures in New York City. <i>Environmental Research</i> , 2016, 144, 158-164.	3.7	57
51	Projected changes in extreme temperature events based on the NARCCAP model suite. <i>Geophysical Research Letters</i> , 2015, 42, 7722-7731.	1.5	34
52	Heat-related mortality projections for cardiovascular and respiratory disease under the changing climate in Beijing, China. <i>Scientific Reports</i> , 2015, 5, 11441.	1.6	47
53	Revisiting the potential of melt pond fraction as a predictor for the seasonal Arctic sea ice extent minimum. <i>Environmental Research Letters</i> , 2015, 10, 054017.	2.2	39
54	Climate change and the impact of extreme temperatures on aviation. , 2015, , .		3

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55	Projections of temperature-attributable premature deaths in 209 U.S. cities using a cluster-based Poisson approach. <i>Environmental Health</i> , 2015, 14, 85.	1.7	63
56	Climate Change and the Impact of Extreme Temperatures on Aviation. <i>Weather, Climate, and Society</i> , 2015, 7, 94-102.	0.5	65
57	Uncertainty in Twenty-First-Century CMIP5 Sea Level Projections. <i>Journal of Climate</i> , 2015, 28, 838-852.	1.2	44
58	Joint projections of US East Coast sea level and storm surge. <i>Nature Climate Change</i> , 2015, 5, 1114-1120.	8.1	97
59	New York City Panel on Climate Change 2015 Report Chapter 1: Climate Observations and Projections. <i>Annals of the New York Academy of Sciences</i> , 2015, 1336, 18-35.	1.8	48
60	New York City Panel on Climate Change 2015 Report Chapter 4: Dynamic Coastal Flood Modeling. <i>Annals of the New York Academy of Sciences</i> , 2015, 1336, 56-66.	1.8	48
61	New York City Panel on Climate Change 2015 Report Chapter 2: Sea Level Rise and Coastal Storms. <i>Annals of the New York Academy of Sciences</i> , 2015, 1336, 36-44.	1.8	91
62	Heat-Related Mortality in a Warming Climate: Projections for 12 U.S. Cities. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 11371-11383.	1.2	35
63	Beyond Hurricane Sandy: What Might the Future Hold for Tropical Cyclones in the North Atlantic?. <i>Journal of Extreme Events</i> , 2014, 01, 1450007.	1.2	13
64	Enhancing Climate Resilience at NASA Centers: A Collaboration between Science and Stewardship. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 1351-1363.	1.7	22
65	Impacts of Projected Climate Change over the Lake Champlain Basin in Vermont. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 1861-1875.	0.6	30
66	Probabilistic 21st and 22nd century sea-level projections at a global network of tide-gauge sites. <i>Earth's Future</i> , 2014, 2, 383-406.	2.4	672
67	Multi-factor impact analysis of agricultural production in Bangladesh with climate change. <i>Global Environmental Change</i> , 2013, 23, 338-350.	3.6	114
68	Projections of seasonal patterns in temperature-related deaths for Manhattan, New York. <i>Nature Climate Change</i> , 2013, 3, 717-721.	8.1	143
69	Climate change impact uncertainties for maize in Panama: Farm information, climate projections, and yield sensitivities. <i>Agricultural and Forest Meteorology</i> , 2013, 170, 132-145.	1.9	91
70	Statistical downscaling and bias correction of climate model outputs for climate change impact assessment in the U.S. northeast. <i>Global and Planetary Change</i> , 2013, 100, 320-332.	1.6	194
71	Reducing spread in climate model projections of a September ice-free Arctic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12571-12576.	3.3	138
72	The Practitioner's Dilemma: How to Assess the Credibility of Downscaled Climate Projections. <i>Eos</i> , 2013, 94, 424-425.	0.1	103

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73	Projected Heat-Related Mortality in the U.S. Urban Northeast. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 6734-6747.	1.2	58
74	Reply to Li and Wu: Arctic sea ice and winter snowfall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1899-E1900.	3.3	26
75	Impact of declining Arctic sea ice on winter snowfall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4074-4079.	3.3	718
76	Urban climate. , 2011, , 43-82.		24
77	Climate Hazard Assessment for Stakeholder Adaptation Planning in New York City. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 2247-2266.	0.6	59
78	Developing coastal adaptation to climate change in the New York City infrastructure-shed: process, approach, tools, and strategies. <i>Climatic Change</i> , 2011, 106, 93-127.	1.7	180
79	Chapter 3: Climate observations and projections. <i>Annals of the New York Academy of Sciences</i> , 2010, 1196, 41-62.	1.8	28
80	Chapter 7: Indicators and monitoring. <i>Annals of the New York Academy of Sciences</i> , 2010, 1196, 127-142.	1.8	9
81	CLIMATE RISK INFORMATION. <i>Annals of the New York Academy of Sciences</i> , 2010, 1196, 147-228.	1.8	45
82	Sea level rise projections for current generation CGCMs based on the semi-empirical method. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	121
83	Application of NASA Climate Models and Missions to Agriculture DSS: The Solutions Network Approach. , 2008, , .		0
84	Variability of North Pacific Sea Ice and East Asia's North Pacific Winter Climate. <i>Journal of Climate</i> , 2007, 20, 1991-2001.	1.2	30
85	Causes of the northern high-latitude land surface winter climate change. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	21
86	Evaluation of snow/ice albedo parameterizations and their impacts on sea ice simulations. <i>International Journal of Climatology</i> , 2007, 27, 81-91.	1.5	31
87	Managing climate change risks in New York City's water system: assessment and adaptation planning. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2007, 12, 1391-1409.	1.0	75
88	Urban Climate Science. , 0, , 27-60.		14