Daniel E Horton

List of Publications by Year
in descending order

37 papers	3,095 citations	218592 26 h-index	330025 37 g-index
51 all docs	51 docs citations	51 times ranked	4778 citing authors

#	Article	IF	Citations
1	Quantifying the influence of global warming on unprecedented extreme climate events. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4881-4886.	3.3	451
2	Contribution of changes in atmospheric circulation patterns to extreme temperature trends. Nature, 2015, 522, 465-469.	13.7	445
3	Insights from Earth system model initial-condition large ensembles and future prospects. Nature Climate Change, 2020, 10, 277-286.	8.1	436
4	Occurrence and persistence of future atmospheric stagnation events. Nature Climate Change, 2014, 4, 698-703.	8.1	247
5	The COVID-19 lockdowns: a window into the Earth System. Nature Reviews Earth & Environment, 2020, 1, 470-481.	12.2	153
6	Trends in atmospheric patterns conducive to seasonal precipitation and temperature extremes in California. Science Advances, 2016, 2, e1501344.	4.7	150
7	Drought and immunity determine the intensity of West Nile virus epidemics and climate change impacts. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162078.	1.2	114
8	Eccentricity-paced late Paleozoic climate change. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 331-332, 150-161.	1.0	87
9	Influence of high-latitude vegetation feedbacks on late Palaeozoic glacial cycles. Nature Geoscience, 2010, 3, 572-577.	5.4	78
10	Coronavirus disease 2019 (COVID-19) mortality and neighborhood characteristics in Chicago. Annals of Epidemiology, 2021, 56, 47-54.e5.	0.9	78
11	Response of air stagnation frequency to anthropogenically enhanced radiative forcing. Environmental Research Letters, 2012, 7, 044034.	2.2	76
12	Joint bias correction of temperature and precipitation in climate model simulations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 13,153.	1.2	76
13	Recent amplification of the North American winter temperature dipole. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9911-9928.	1.2	67
14	Persistence of flare-driven atmospheric chemistry on rocky habitable zone worlds. Nature Astronomy, 2021, 5, 298-310.	4.2	60
15	Paradox of late Paleozoic glacioeustasy. Geology, 2009, 37, 715-718.	2.0	53
16	Air quality impacts from the electrification of light-duty passenger vehicles in the United States. Atmospheric Environment, 2019, 208, 95-102.	1.9	48
17	Orbital and CO₂ forcing of late Paleozoic continental ice sheets. Geophysical Research Letters, 2007, 34, .	1.5	46
18	Habitability and Spectroscopic Observability of Warm M-dwarf Exoplanets Evaluated with a 3D Chemistry-Climate Model. Astrophysical Journal, 2019, 886, 16.	1.6	40

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19	Guidelines for Modeling and Reporting Health Effects of Climate Change Mitigation Actions. Environmental Health Perspectives, 2020, 128, 115001.	2.8	40
20	Thresholds for Paleozoic ice sheet initiation. Geology, 2014, 42, 627-630.	2.0	38
21	Variations in the Intensity and Spatial Extent of Tropical Cyclone Precipitation. Geophysical Research Letters, 2019, 46, 13992-14002.	1.5	37
22	The Need for an Integrated Landâ€Lakeâ€Atmosphere Modeling System, Exemplified by North America's Great Lakes Region. Earth's Future, 2018, 6, 1366-1379.	2.4	34
23	Public Health and Climate Benefits and Tradeâ€Offs of U.S. Vehicle Electrification. GeoHealth, 2020, 4, e2020GH000275.	1.9	34
24	Remote Linkages to Anomalous Winter Atmospheric Ridging Over the Northeastern Pacific. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,194.	1.2	33
25	Biosignature Anisotropy Modeled on Temperate Tidally Locked M-dwarf Planets. Astrophysical Journal Letters, 2018, 868, L6.	3.0	30
26	Projected timing of perceivable changes in climate extremes for terrestrial and marine ecosystems. Global Change Biology, 2018, 24, 4696-4708.	4.2	29
27	Trends in Persistent Seasonal-Scale Atmospheric Circulation Patterns Responsible for Seasonal Precipitation Totals and Occurrences of Precipitation Extremes over Canada. Journal of Climate, 2019, 32, 7105-7126.	1.2	23
28	Multiâ€Index Attribution of Extreme Winter Air Quality in Beijing, China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4567-4583.	1.2	16
29	Potential for Electric Vehicle Adoption to Mitigate Extreme Air Quality Events in China. Earth's Future, 2021, 9, e2020EF001788.	2.4	16
30	Assessing the Contributions of Comet Impact and Volcanism Toward the Climate Perturbations of the Paleoceneâ€Eocene Thermal Maximum. Geophysical Research Letters, 2019, 46, 14798-14806.	1.5	13
31	Modeling organic carbon loss from a rapidly eroding freshwater coastal wetland. Scientific Reports, 2019, 9, 4204.	1.6	12
32	Effect of adoption of electric vehicles on public health and air pollution in China: a modelling study. Lancet Planetary Health, The, 2021, 5, S8.	5.1	9
33	Loss-On-Ignition Estimates for Soil Organic Carbon in Great Lakes Freshwater Coastal Wetlands. Wetlands, 2020, 40, 1201-1206.	0.7	8
34	A storyline view of the projected role of remote drivers on summer air stagnation in Europe and the United States. Environmental Research Letters, 2022, 17, 014026.	2.2	5
35	Assessing co-benefits incentivizes climate-mitigation action. One Earth, 2021, 4, 1069-1070.	3.6	1
36	Health Benefits of Electrifying Chicago's Municipal Vehicle Fleet. Lancet Planetary Health, The, 2021, 5, S21.	5.1	0

#	Article	IF	Citations
37	Towards using climate to increase lead time of a malaria early warning system in Mozambique. Lancet Planetary Health, The, 2021, 5, S4.	5.1	0