

Trent Ford

List of Publications by Year in descending order

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33
papers

1,415
citations

430442

18
h-index

414034

32
g-index

33
all docs

33
docs citations

33
times ranked

1719
citing authors

#	ARTICLE	IF	CITATIONS
1	Flash Droughts: A Review and Assessment of the Challenges Imposed by Rapid-Onset Droughts in the United States. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 911-919.	1.7	317
2	Meteorological conditions associated with the onset of flash drought in the Eastern United States. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 414-423.	1.9	148
3	The North American Soil Moisture Database: Development and Applications. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1441-1459.	1.7	108
4	On the utility of in situ soil moisture observations for flash drought early warning in Oklahoma, USA. <i>Geophysical Research Letters</i> , 2015, 42, 9790-9798.	1.5	103
5	Comparison of Contemporary In Situ, Model, and Satellite Remote Sensing Soil Moisture With a Focus on Drought Monitoring. <i>Water Resources Research</i> , 2019, 55, 1565-1582.	1.7	90
6	Comparison of NLDAS-2 Simulated and NASMD Observed Daily Soil Moisture. Part I: Comparison and Analysis. <i>Journal of Hydrometeorology</i> , 2015, 16, 1962-1980.	0.7	77
7	Does Afternoon Precipitation Occur Preferentially over Dry or Wet Soils in Oklahoma?. <i>Journal of Hydrometeorology</i> , 2015, 16, 874-888.	0.7	56
8	Soil moisture–precipitation coupling: observations from the Oklahoma Mesonet and underlying physical mechanisms. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3617-3631.	1.9	45
9	Influence of MODIS-Derived Dynamic Vegetation on VIC-Simulated Soil Moisture in Oklahoma. <i>Journal of Hydrometeorology</i> , 2013, 14, 1910-1921.	0.7	41
10	Assessment of observed and model-derived soil moisture–evaporative fraction relationships over the United States Southern Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6279-6291.	1.2	41
11	In situ soil moisture coupled with extreme temperatures: A study based on the Oklahoma Mesonet. <i>Geophysical Research Letters</i> , 2014, 41, 4727-4734.	1.5	39
12	Recent Changes in U.S. Regional Heat Wave Characteristics in Observations and Reanalyses. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 2621-2636.	0.6	31
13	Evaluation of heat wave forecasts seamlessly across subseasonal timescales. <i>Npj Climate and Atmospheric Science</i> , 2018, 1, .	2.6	29
14	Comparison of NLDAS-2 Simulated and NASMD Observed Daily Soil Moisture. Part II: Impact of Soil Texture Classification and Vegetation Type Mismatches. <i>Journal of Hydrometeorology</i> , 2015, 16, 1981-2000.	0.7	27
15	Development of a Flash Drought Intensity Index. <i>Atmosphere</i> , 2021, 12, 741.	1.0	25
16	Characterizing extreme and oppressive heat waves in Illinois. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 682-698.	1.2	24
17	Synoptic conditions related to soil moisture–atmosphere interactions and unorganized convection in Oklahoma. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 11,519.	1.2	23
18	Automated Quality Control of In Situ Soil Moisture from the North American Soil Moisture Database Using NLDAS-2 Products. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 1267-1282.	0.6	23

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19	Logistic regression analysis of drought persistence in East China. <i>International Journal of Climatology</i> , 2017, 37, 1444-1455.	1.5	19
20	The Observation Record Length Necessary to Generate Robust Soil Moisture Percentiles. <i>Journal of Applied Meteorology and Climatology</i> , 2016, 55, 2131-2149.	0.6	16
21	Surface–Atmosphere Moisture Interactions in the Frozen Ground Regions of Eurasia. <i>Scientific Reports</i> , 2016, 6, 19163.	1.6	16
22	Comparison of Three Methods for Vertical Extrapolation of Soil Moisture in Oklahoma. <i>Vadose Zone Journal</i> , 2017, 16, 1-19.	1.3	16
23	Connections between north-central United States summer hydroclimatology and Arctic sea ice variability. <i>International Journal of Climatology</i> , 2017, 37, 4434-4450.	1.5	14
24	Soil moisture variability in Iowa. <i>International Journal of Climatology</i> , 2015, 35, 2837-2848.	1.5	12
25	Oppressive Heat Events in Illinois Related to Antecedent Wet Soils. <i>Journal of Hydrometeorology</i> , 2016, 17, 2713-2726.	0.7	12
26	Multi-decadal variability of soil moisture–temperature coupling over the contiguous United States modulated by Pacific and Atlantic sea surface temperatures. <i>International Journal of Climatology</i> , 2017, 37, 1400-1415.	1.5	12
27	Association of synoptic-scale atmospheric patterns with flash flooding in watersheds of the New York City water supply system. <i>International Journal of Climatology</i> , 2017, 37, 358-370.	1.5	11
28	United States Heat Wave Frequency and Arctic Ocean Marginal Sea Ice Variability. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6247-6264.	1.2	10
29	Projected Changes in United States Regional Extreme Heat Days Derived From Bivariate Quantile Mapping of CMIP5 Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5214-5232.	1.2	9
30	Triple Collocation Evaluation of In Situ Soil Moisture Observations from 1200+ Stations as part of the U.S. National Soil Moisture Network. <i>Journal of Hydrometeorology</i> , 2020, 21, 2537-2549.	0.7	8
31	Future changes in the transitions of monthly–seasonal precipitation extremes over the Midwest in Coupled Model Intercomparison Project Phase 6 models. <i>International Journal of Climatology</i> , 2023, 43, 255-274.	1.5	6
32	Characterizing winter season severity in the Midwest United States, part II: Interannual variability. <i>International Journal of Climatology</i> , 2022, 42, 3499-3516.	1.5	4
33	Characterizing Winter Season Severity in the Midwest United States, Part I: Climatology & Recent Trends. <i>International Journal of Climatology</i> , 0, , .	1.5	3