

Temple Lee

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

642
citations

567281

15
h-index

610901

24
g-index

32
all docs

32
docs citations

32
times ranked

1118
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Research Approach for Observing and Characterizing Landâ€™Atmosphere Feedback. Bulletin of the American Meteorological Society, 2018, 99, 1639-1667.	3.3	75
2	Impact of atmospheric boundary layer depth variability and wind reversal on the diurnal variability of aerosol concentration at a valley site. Science of the Total Environment, 2014, 496, 424-434.	8.0	62
3	On the Use of Rotary-Wing Aircraft to Sample Near-Surface Thermodynamic Fields: Results from Recent Field Campaigns. Sensors, 2019, 19, 10.	3.8	48
4	A backâ€™trajectory and air mass climatology for the Northern Shenandoah Valley, USA. International Journal of Climatology, 2010, 30, 569-581.	3.5	46
5	Connecting Landâ€™Atmosphere Interactions to Surface Heterogeneity in CHEESEHEAD19. Bulletin of the American Meteorological Society, 2021, 102, E421-E445.	3.3	40
6	Estimating Daytime Planetary Boundary Layer Heights over a Valley from Rawinsonde Observations at a Nearby Airport: An Application to the Page Valley in Virginia, United States. Journal of Applied Meteorology and Climatology, 2016, 55, 791-809.	1.5	32
7	Increasing frequencies of warm and humid air masses over the conterminous United States from 1948 to 2005. Geophysical Research Letters, 2008, 35, .	4.0	28
8	Carbon dioxide variability during cold front passages and fair weather days at a forested mountaintop site. Atmospheric Environment, 2012, 46, 405-416.	4.1	27
9	Evaluation of the High-Resolution Rapid Refresh (HRRR) Model Using Near-Surface Meteorological and Flux Observations from Northern Alabama. Weather and Forecasting, 2019, 34, 635-663.	1.4	25
10	Meteorological controls on the diurnal variability of carbon monoxide mixing ratio at a mountaintop monitoring site in the Appalachian Mountains. Tellus, Series B: Chemical and Physical Meteorology, 2022, 67, 25659.	1.6	22
11	Observations of Near-Surface Vertical Wind Profiles and Vertical Momentum Fluxes from VORTEX-SE 2017: Comparisons to Moninâ€™Obukhov Similarity Theory. Monthly Weather Review, 2019, 147, 3811-3824.	1.4	21
12	Evidence that climate sets the lower elevation range limit in a highâ€™elevation endemic salamander. Ecology and Evolution, 2018, 8, 7553-7562.	1.9	20
13	A respiratory alert model for the Shenandoah Valley, Virginia, USA. International Journal of Biometeorology, 2013, 57, 91-105.	3.0	19
14	A New Technique to Estimate Sensible Heat Fluxes around Micrometeorological Towers Using Small Unmanned Aircraft Systems. Journal of Atmospheric and Oceanic Technology, 2017, 34, 2103-2112.	1.3	19
15	Contrasting Air Mass Advection Explains Significant Differences in Boundary Layer Depth Seasonal Cycles Under Onshore Versus Offshore Flows. Geophysical Research Letters, 2019, 46, 2846-2853.	4.0	17
16	Mercury Accumulation in Tree Rings: Observed Trends in Quantity and Isotopic Composition in Shenandoah National Park, Virginia. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005445.	3.0	17
17	A Comparison of the U.S. Climate Reference Network Precipitation Data to the Parameter-Elevation Regressions on Independent Slopes Model (PRISM). Journal of Hydrometeorology, 2020, 21, 2391-2400.	1.9	16
18	The 2019 Mississippi and Missouri River Flooding and Its Impact on Atmospheric Boundary Layer Dynamics. Geophysical Research Letters, 2020, 47, e2019GL086933.	4.0	14

#	ARTICLE	IF	CITATIONS
19	Multi-Sensor Approach for High Space and Time Resolution Land Surface Temperature. <i>Earth and Space Science</i> , 2021, 8, e2021EA001842.	2.6	14
20	On the Potential of 25 Years (1991–2015) of Rawinsonde Measurements for Elucidating Climatological and Spatiotemporal Patterns of Afternoon Boundary Layer Depths over the Contiguous US. <i>Advances in Meteorology</i> , 2017, 2017, 1-19.	1.6	12
21	Inferred bimodality in the distribution of soil moisture at Big Meadows, Shenandoah National Park, Virginia. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	11
22	Evaluation of Monin–Obukhov and Bulk Richardson Parameterizations for Surface–Atmosphere Exchange. <i>Journal of Applied Meteorology and Climatology</i> , 2020, 59, 1091-1107.	1.5	11
23	The Impact of the Afternoon Planetary Boundary-Layer Height on the Diurnal Cycle of CO and CO_2 Mixing Ratios at a Low-Altitude Mountain Top. <i>Boundary-Layer Meteorology</i> , 2018, 168, 81-102.	2.3	8
24	Observations and Numerical Simulation of the Effects of the 21 August 2017 North American Total Solar Eclipse on Surface Conditions and Atmospheric Boundary-Layer Evolution. <i>Boundary-Layer Meteorology</i> , 2019, 171, 257-270.	2.3	8
25	Great American Eclipse Data May Fine-Tune Weather Forecasts. <i>Eos</i> , 2018, 99, .	0.1	7
26	Downscaling Maximum Temperatures to Subkilometer Resolutions in the Shenandoah National Park of Virginia, USA. <i>Advances in Meteorology</i> , 2014, 2014, 1-9.	1.6	6
27	Advected Air Mass Reservoirs in the Downwind of Mountains and Their Roles in Overrunning Boundary Layer Depths Over the Plains. <i>Geophysical Research Letters</i> , 2019, 46, 10140-10149.	4.0	5
28	When and where horizontal advection is critical to alter atmospheric boundary layer dynamics over land: The need for a conceptual framework. <i>Atmospheric Research</i> , 2021, 264, 105825.	4.1	4
29	Application of Bulk Richardson Parameterizations of Surface Fluxes to Heterogeneous Land Surfaces. <i>Monthly Weather Review</i> , 2021, 149, 3243-3264.	1.4	2