

Anthony R Lupo

List of Publications by Year in descending order

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85
papers

2,182
citations

331670

21
h-index

254184

43
g-index

87
all docs

87
docs citations

87
times ranked

1778
citing authors

#	ARTICLE	IF	CITATIONS
1	A Climatology of Northern Hemisphere Blocking. <i>Journal of Climate</i> , 2006, 19, 1042-1063.	3.2	322
2	Blocking and its Response to Climate Change. <i>Current Climate Change Reports</i> , 2018, 4, 287-300.	8.6	273
3	The Climatology of Blocking Anticyclones for the Northern and Southern Hemispheres: Block Intensity as a Diagnostic. <i>Journal of Climate</i> , 2002, 15, 3459-3473.	3.2	188
4	Dynamics of Eddy-Driven Low-Frequency Dipole Modes. Part I: A Simple Model of North Atlantic Oscillations. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 3-28.	1.7	120
5	The Wintertime Southern Hemisphere Split Jet: Structure, Variability, and Evolution. <i>Journal of Climate</i> , 2001, 14, 4191-4215.	3.2	100
6	Climatological features of blocking anticyclones Northern Hemisphere. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 47, 439.	1.7	75
7	A Diagnosis of the Explosive Development of Two Extratropical Cyclones. <i>Monthly Weather Review</i> , 1992, 120, 1490-1523.	1.4	66
8	Changes in atmospheric blocking characteristics within Euro-Atlantic region and Northern Hemisphere as a whole in the 21st century from model simulations using RCP anthropogenic scenarios. <i>Global and Planetary Change</i> , 2014, 122, 265-270.	3.5	55
9	Climatological features of blocking anticyclones in the Northern Hemisphere. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1995, 47, 439-456.	1.7	53
10	Drought duration and frequency in the U.S. Corn Belt during the last millennium (AD 992â€“2004). <i>Agricultural and Forest Meteorology</i> , 2011, 151, 154-162.	4.8	50
11	South American Cold Surges: Types, Composites, and Case Studies. <i>Monthly Weather Review</i> , 2001, 129, 1021-1041.	1.4	48
12	Changes in Global Blocking Character in Recent Decades. <i>Atmosphere</i> , 2019, 10, 92.	2.3	48
13	A Dynamic Analysis of the Role of the Planetary- and Synoptic-Scale in the Summer of 2010 Blocking Episodes over the European Part of Russia. <i>Advances in Meteorology</i> , 2012, 2012, 1-11.	1.6	45
14	A Diagnosis of Two Blocking Events That Occurred Simultaneously in the Midlatitude Northern Hemisphere. <i>Monthly Weather Review</i> , 1997, 125, 1801-1823.	1.4	37
15	Atmospheric blocking events: a review. <i>Annals of the New York Academy of Sciences</i> , 2021, 1504, 5-24.	3.8	35
16	Localized Climate and Surface Energy Flux Alterations across an Urban Gradient in the Central U.S.. <i>Energies</i> , 2014, 7, 1770-1791.	3.1	32
17	An analysis of a relatively rare case of continental blocking. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1999, 125, 107-138.	2.7	28
18	Scale Analysis of Blocking Events from 2002 to 2004: A Case Study of an Unusually Persistent Blocking Event Leading to a Heat Wave in the Gulf of Alaska during August 2004. <i>Advances in Meteorology</i> , 2010, 2010, 1-15.	1.6	27

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19	ENSO and PDO-related climate variability impacts on Midwestern United States crop yields. <i>International Journal of Biometeorology</i> , 2017, 61, 857-867.	3.0	27
20	The Planetary- and Synoptic-Scale Interactions in a Southeast Pacific Blocking Episode Using PV Diagnostics. <i>Journals of the Atmospheric Sciences</i> , 2005, 62, 1901-1916.	1.7	25
21	Studying Summer Season Drought in Western Russia. <i>Advances in Meteorology</i> , 2014, 2014, 1-9.	1.6	25
22	Planetary and synoptic-scale interactions during the life cycle of a mid-latitude blocking anticyclone over the North Atlantic. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1995, 47, 575-596.	1.7	23
23	The Interactions between a Midlatitude Blocking Anticyclone and Synoptic-Scale Cyclones That Occurred during the Summer Season. <i>Monthly Weather Review</i> , 1998, 126, 502-515.	1.4	23
24	Trends in Summer Season Climate for Eastern Europe and Southern Russia in the Early 21st Century. <i>Advances in Meteorology</i> , 2016, 2016, 1-10.	1.6	23
25	Dynamics of Eddy-Driven Low-Frequency Dipole Modes. Part II: Free Mode Characteristics of NAO and Diagnostic Study. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 29-51.	1.7	22
26	Calculated Height Tendencies in Two Southern Hemisphere Blocking and Cyclone Events: The Contribution of Diabatic Heating to Block Intensification. <i>Monthly Weather Review</i> , 2008, 136, 3568-3578.	1.4	20
27	The remote effect of the Tibetan Plateau on downstream flow in early summer. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	19
28	Changes in the Atmospheric Circulation Conditions and Regional Climatic Characteristics in Two Remote Regions Since the Mid-20th Century. <i>Atmosphere</i> , 2019, 10, 11.	2.3	18
29	An Extratropical Air-Sea Interaction over the North Pacific in Association with a Preceding El Niño Episode in Early Summer. <i>Monthly Weather Review</i> , 2009, 137, 3771-3785.	1.4	17
30	Fractal characteristics of tall tower wind speeds in Missouri. <i>Renewable Energy</i> , 2020, 154, 1346-1356.	8.9	17
31	An Analysis of the Spring-to-Summer Transition in the West Central Plains for Application to Long Range Forecasting. <i>Atmospheric and Climate Sciences</i> , 2016, 06, 375-393.	0.3	16
32	The relationship between atmospheric blocking and temperature anomalies in Turkey between 1977 and 2016. <i>International Journal of Climatology</i> , 2020, 40, 1022-1037.	3.5	15
33	The Occurrence of Extreme Monthly Temperatures and Precipitation in Two Global Regions. <i>Papers in Applied Geography</i> , 2017, 3, 143-156.	1.4	15
34	Changes in the Dynamics of the Northern Hemisphere Atmospheric Circulation and the Relationship to Surface Temperature in the 20th and 21st Centuries. <i>Atmosphere</i> , 2020, 11, 255.	2.3	14
35	Integrated Regional Enstrophy and Block Intensity as a Measure of Kolmogorov Entropy. <i>Atmosphere</i> , 2017, 8, 237.	2.3	13
36	The relationship between atmospheric blocking and precipitation changes in Turkey between 1977 and 2016. <i>Theoretical and Applied Climatology</i> , 2019, 138, 1573-1590.	2.8	13

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37	The Dynamic Character of Northern Hemisphere Flow Regimes in a Near-Term Climate Change Projection. <i>Atmosphere</i> , 2018, 9, 27.	2.3	12
38	Climate and Land Use Effects on Hydrologic Processes in a Primarily Rainfed, Agricultural Watershed. <i>Journal of the American Water Resources Association</i> , 2019, 55, 1196-1215.	2.4	12
39	A Climatology of Northwest Missouri Snowfall Events: Long-Term Trends and Interannual Variability. <i>Physical Geography</i> , 2002, 23, 427-448.	1.4	11
40	A response in the ENSO cycle to an extratropical forcing mechanism during the El Niño to La Niña transition. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 65, 22431.	1.7	11
41	Evaluating Linkages between Atmospheric Blocking Patterns and Heavy Rainfall Events across the North-Central Mississippi River Valley for Different ENSO Phases. <i>Advances in Meteorology</i> , 2018, 2018, 1-7.	1.6	11
42	The long-term (142 years) spatiotemporal reconstruction and synoptic analysis of extreme low temperatures ($\leq -15^{\circ}\text{C}$ or lower) in the northwest region of Iran. <i>Theoretical and Applied Climatology</i> , 2022, 147, 1415-1436.	2.8	11
43	The Application of a Simple Method for the Verification of Weather Forecasts and Seasonal Variations in Forecast Accuracy. <i>Weather and Forecasting</i> , 2002, 17, 891-897.	1.4	10
44	Evolution of the Water Vapor Plume over Eastern Europe during Summer 2010 Atmospheric Blocking. <i>Advances in Meteorology</i> , 2014, 2014, 1-11.	1.6	10
45	The Utility of the Bering Sea and East Asia Rules in Long-Range Forecasting. <i>Advances in Meteorology</i> , 2017, 2017, 1-14.	1.6	9
46	The Predictability of Blocking Character in the Northern Hemisphere Using an Ensemble Forecast System. <i>The Open Atmospheric Science Journal</i> , 2019, 13, 13-28.	0.5	9
47	Ageostrophic Forcing in a Height Tendency Equation. <i>Monthly Weather Review</i> , 2002, 130, 115-126.	1.4	8
48	Extreme temperatures linked to the atmospheric blocking events in Turkey between 1977 and 2016. <i>Natural Hazards</i> , 2020, 104, 1879-1898.	3.4	8
49	The role of deformation and other quantities in an equation for enstrophy as applied to atmospheric blocking. <i>Dynamics of Atmospheres and Oceans</i> , 2014, 66, 151-159.	1.8	7
50	An investigation of atmospheric rivers impacting heavy rainfall events in the North-Central Mississippi River Valley. <i>International Journal of Climatology</i> , 2019, 39, 4091-4106.	3.5	7
51	A Comparison of the Characteristics of Drought during the Late 20th and Early 21st Centuries over Eastern Europe, Western Russia and Central North America. <i>Atmosphere</i> , 2021, 12, 1033.	2.3	7
52	A Diagnosis of the Development of a Winter Anticyclone over North America. <i>Monthly Weather Review</i> , 1995, 123, 2273-2284.	1.4	6
53	Using Enstrophy-Based Diagnostics in an Ensemble for Two Blocking Events. <i>Advances in Meteorology</i> , 2013, 2013, 1-7.	1.6	6
54	Sensitive versus Rough Dependence under Initial Conditions in Atmospheric Flow Regimes. <i>Atmosphere</i> , 2016, 7, 157.	2.3	6

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55	The importance of choosing precipitation datasets. <i>Hydrological Processes</i> , 2017, 31, 4600-4612.	2.6	6
56	Large-Scale Atmospheric Circulation Variability and Its Climate Impacts. <i>Atmosphere</i> , 2019, 10, 329.	2.3	6
57	Sugar Beet Harvests under Modern Climatic Conditions in the Belgorod Region (Southwest Russia). <i>Climate</i> , 2020, 8, 46.	2.8	6
58	Assessing Upper Tropospheric Jet Streak Proximity Using the Rossby Radius of Deformation. <i>Atmosphere</i> , 2017, 8, 2.	2.3	5
59	A long-term analysis of thundersnow events over the Marmara Region, Turkey. <i>Natural Hazards</i> , 2022, 114, 367-387.	3.4	5
60	Synchronization of fishes' temporal feeding patterns with weather in mid-Missouri. <i>Journal of Freshwater Ecology</i> , 2012, 27, 419-428.	1.2	4
61	Recent Afforestation in the Iowa River and Vorkla River Basins: A Comparative Trends Analysis. <i>Forests</i> , 2016, 7, 278.	2.1	4
62	The Predictability of Northern Hemispheric Blocking Using an Ensemble Mean Forecast System. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	4
63	A comparison of bioclimatic potential in two global regions during the late twentieth century and early twenty-first century. <i>International Journal of Biometeorology</i> , 2018, 62, 609-620.	3.0	4
64	Changes in Blocking Characteristics during the First Part of the 21st Century. <i>Proceedings (mdpi)</i> , 2017, 1, 679.	0.2	3
65	Projecting Northern Hemisphere Flow Regime Transition Using Integrated Entrophy. <i>Atmosphere</i> , 2020, 11, 915.	2.3	3
66	The role of short-wave troughs on the formation and development of sea-effect snowbands in the western Black Sea. <i>Theoretical and Applied Climatology</i> , 2022, 149, 501-510.	2.8	3
67	Meso-Scale Comparison of Non-Sea-Effect and Sea-Effect Snowfalls, and Development of Prediction Algorithm for Megacity Istanbul Airports in Turkey. <i>Atmosphere</i> , 2022, 13, 657.	2.3	3
68	Large-Scale Dynamics, Anomalous Flows, and Teleconnections 2015. <i>Advances in Meteorology</i> , 2016, 2016, 1-3.	1.6	2
69	Symmetric and asymmetric components of anomalous tropospheric-mean horizontal fluxes of latent and sensible heat associated with ENSO events of variable magnitude. <i>Atmospheric Research</i> , 2017, 198, 173-184.	4.1	2
70	Corrigendum to "Evaluating Linkages between Atmospheric Blocking Patterns and Heavy Rainfall Events across the North-Central Mississippi River Valley for Different ENSO Phases". <i>Advances in Meteorology</i> , 2018, 2018, 1-1.	1.6	2
71	<sc>ENSO</sc> and <sc>PDO</sc> related interannual variability in the north and east-central part of the Bolivian Altiplano in South America. <i>International Journal of Climatology</i> , 2022, 42, 2413-2439.	3.5	2
72	Northern Hemisphere Flow Regime Transitions, Blocking, and the Onset of Spring in the Central USA during Late Winter 2019 and 2021. <i>Meteorology</i> , 2022, 1, 45-63.	1.1	2

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73	Further studies of the heat island associated with a small midwestern city. Atmospheric Science Letters, 2008, 9, 226-230.	1.9	1
74	ENSO Related Seasonal Range Prediction over South America. Proceedings (mdpi), 2017, 1, .	0.2	1
75	The Interannual and Interdecadal Variability in Tropical Cyclone Activity: A Decade of Changes in the Climatological Character. , 0, , .		1
76	Hurricane Florence Makes Landfall in the Southeast USA: Sensitive Dependence on Initial Conditions, Parameterizations, and Integrated Enstrophy. Atmospheric and Climate Sciences, 2020, 10, 101-124.	0.3	1
77	Global Trends in the Occurrence and Characteristics of Blocking Anticyclones Using Sen Innovative Trend Analysis. Environmental Sciences Proceedings, 2021, 8, 41.	0.3	1
78	A Comparative Study to Quantify Sensitive Dependence in Numerical Models for a Developing Low in the Southern Plains. Transactions of the Missouri Academy of Science, 2010, 44-45, 29-40.	0.2	1
79	Using the daily change in the Southern Oscillation Index to develop analogues and the relationship to severe weather outbreaks. International Journal of Climatology, 2022, 42, 8839-8853.	3.5	1
80	A comparison of modern and historical methods for calculating Montgomery steamfunction. Atmospheric Science Letters, 2013, 14, 41-44.	1.9	0
81	Large-Scale Dynamics, Anomalous Flows, and Teleconnections. Advances in Meteorology, 2014, 2014, 1-2.	1.6	0
82	Symmetry of Energy Divergence Anomalies Associated with the El Niño-Southern Oscillation. Atmosphere, 2018, 9, 342.	2.3	0
83	Large-Scale Dynamics, Anomalous Flows, and Teleconnections 2018. Advances in Meteorology, 2019, 2019, 1-2.	1.6	0
84	A Possible Heat Island Effect from a Small Rural Community. Transactions of the Missouri Academy of Science, 2009, 43, 33-38.	0.2	0
85	A Two-Dimensional Study of Block Onset Locations Using a One-Dimensional Index and GIS. Environmental Sciences Proceedings, 2021, 8, 47.	0.3	0