Judah Cohen

List of Publications by Year
in descending order

67 papers	7,292 citations	71102 41 h-index	102487 66 g-index
75 all docs	75 docs citations	75 times ranked	6439 citing authors

#	Article	IF	Citations
1	Recent Arctic amplification and extreme mid-latitude weather. Nature Geoscience, 2014, 7, 627-637.	12.9	1,729
2	Divergent consensuses on Arctic amplification influence on midlatitude severe winter weather. Nature Climate Change, 2020, 10, 20-29.	18.8	424
3	Eurasian snow cover variability and northern hemisphere climate predictability. Geophysical Research Letters, 1999, 26, 345-348.	4.0	323
4	Stratosphereâ€“Troposphere Coupling and Links with Eurasian Land Surface Variability. Journal of Climate, 2007, 20, 5335-5343.	3.2	280
5	The Effect of Snow Cover on the Climate. Journal of Climate, 1991, 4, 689-706.	3.2	275
6	Impact of sea ice cover changes on the Northern Hemisphere atmospheric winter circulation. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 64, 11595.	1.7	224
7	Warm Arctic episodes linked with increased frequency of extreme winter weather in the United States. Nature Communications, 2018, 9, 869.	12.8	205
8	The role of the Siberian high in northern hemisphere climate variability. Geophysical Research Letters, 2001, 28, 299-302.	4.0	200
9	More-Persistent Weak Stratospheric Polar Vortex States Linked to Cold Extremes. Bulletin of the American Meteorological Society, 2018, 99, 49-60.	3.3	177
10	The Polar Amplification Model Intercomparison Project (PAMIP) contribution to CMIP6: investigating the causes and consequences of polar amplification. Geoscientific Model Development, 2019, 12, 1139-1164.	3.6	168
11	The NAO, the AO, and Global Warming: How Closely Related?. Journal of Climate, 2005, 18, 4498-4513.	3.2	156
12	Linking Arctic variability and change with extreme winter weather in the United States. Science, 2021, 373, 1116-1121.	12.6	145
13	Snow Cover and Snow Mass Intercomparisons of General Circulation Models and Remotely Sensed Datasets. Journal of Climate, 1996, 9, 409-426.	3.2	143
14	Modeled Northern Hemisphere Winter Climate Response to Realistic Siberian Snow Anomalies. Journal of Climate, 2003, 16, 3917-3931.	3.2	136
15	Winter 2009â€“2010: A case study of an extreme Arctic Oscillation event. Geophysical Research Letters, 2010, 37, .	4.0	135
16	Amplified Arctic warming and midâ€latitude weather: new perspectives on emerging connections. Wiley Interdisciplinary Reviews: Climate Change, 2017, 8, e474.	8.1	120
17	Snow cover and climate. Weather, 1994, 49, 150-156.	0.7	117
18	The Dynamical Response to Snow Cover Perturbations in a Large Ensemble of Atmospheric GCM Integrations. Journal of Climate, 2009, 22, 1208-1222.	3.2	113

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19	Tropospheric Precursors and Stratospheric Warmings. Journal of Climate, 2011, 24, 6562-6572.	3.2	110
20	Trends and variability in rainâ€onâ€snow events. Geophysical Research Letters, 2015, 42, 7115-7122.	4.0	102
21	The influence of snow cover on northern hemisphere climate variability. Atmosphere - Ocean, 2001, 39, 35-53.	1.6	98
22	A new index for more accurate winter predictions. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	95
23	Warm Arctic, Cold Continents: A Common Pattern Related to Arctic Sea Ice Melt, Snow Advance, and Extreme Winter Weather. Oceanography, 2013, 26, .	1.0	95
24	Evolution of Atmospheric Response to Early-Season Eurasian Snow Cover Anomalies. Monthly Weather Review, 2001, 129, 2746-2760.	1.4	94
25	Improved Skill of Northern Hemisphere Winter Surface Temperature Predictions Based on Landâ€"Atmosphere Fall Anomalies. Journal of Climate, 2007, 20, 4118-4132.	3.2	90
26	The different stratospheric influence on cold-extremes in Eurasia and North America. Npj Climate and Atmospheric Science, 2018, 1, .	6.8	90
27	Linking Siberian Snow Cover to Precursors of Stratospheric Variability. Journal of Climate, 2014, 27, 5422-5432.	3.2	85
28	A Large-Ensemble Model Study of the Wintertime AOâ€"NAO and the Role of Interannual Snow Perturbations. Journal of Climate, 2002, 15, 3488-3499.	3.2	82
29	Investigating the ability of general circulation models to capture the effects of Eurasian snow cover on winter climate. Journal of Geophysical Research, 2008, 113, .	3.3	80
30	Sensitivity of atmospheric response to modeled snow anomaly characteristics. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	75
31	The potential role of snow cover in forcing interannual variability of the major Northern Hemisphere mode. Geophysical Research Letters, 2003, 30, .	4.0	70
32	A dynamical framework to understand and predict the major Northern Hemisphere mode. Geophysical Research Letters, 2002, 29, 51-1-51-4.	4.0	64
33	An observational analysis: Tropical relative to Arctic influence on midlatitude weather in the era of Arctic amplification. Geophysical Research Letters, 2016, 43, 5287-5294.	4.0	64
34	Impact of increased water vapor on precipitation efficiency over northern Eurasia. Geophysical Research Letters, 2014, 41, 2941-2947.	4.0	63
35	How do intermittency and simultaneous processes obfuscate the Arctic influence on midlatitude winter extreme weather events?. Environmental Research Letters, 2021, 16, 043002.	5.2	63
36	Impacts of Arctic sea ice and continental snow cover changes on atmospheric winter teleconnections. Geophysical Research Letters, 2015, 42, 2367-2377.	4.0	59

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37	The Role of Linear Interference in Northern Annular Mode Variability Associated with Eurasian Snow Cover Extent. Journal of Climate, 2011, 24, 6185-6202.	3.2	58
38	Decadal Fluctuations in Planetary Wave Forcing Modulate Global Warming in Late Boreal Winter. Journal of Climate, 2009, 22, 4418-4426.	3.2	53
39	Relative impacts of Siberian and North American snow anomalies on the winter Arctic Oscillation. Geophysical Research Letters, 2003, 30, .	4.0	50
40	S2S reboot: An argument for greater inclusion of machine learning in subseasonal to seasonal forecasts. Wiley Interdisciplinary Reviews: Climate Change, 2019, 10, e00567.	8.1	48
41	Discrimination of Solid from Liquid Precipitation over Northern Eurasia Using Surface Atmospheric Conditions*. Journal of Hydrometeorology, 2013, 14, 1345-1355.	1.9	46
42	Hemispheric-scale climate response to Northern Eurasia land surface characteristics and snow anomalies. Global and Planetary Change, 2007, 56, 359-370.	3.5	41
43	Dynamical analysis of extreme precipitation in the US northeast based on large-scale meteorological patterns. Climate Dynamics, 2019, 52, 1739-1760.	3.8	34
44	Improving Subseasonal Forecasting in the Western U.S. with Machine Learning. , 2019, , .		32
45	Introducing sub-seasonal spatial and temporal resolution to winter climate prediction. Geophysical Research Letters, 2003, 30, 18-1-18-4.	4.0	31
46	Seasonal Predictability of Wintertime Precipitation in Europe Using the Snow Advance Index. Journal of Climate, 2012, 25, 4023-4028.	3.2	29
47	Increasing Daily Precipitation Intensity Associated with Warmer Air Temperatures over Northern Eurasia. Journal of Climate, 2016, 29, 623-636.	3.2	29
48	The role of stratospheric ozone for Arctic-midlatitude linkages. Scientific Reports, 2019, 9, 7962.	3.3	28
49	Orographic Constraints on a Modeled Siberian Snowâ€“Troposphericâ€“Stratospheric Teleconnection Pathway. Journal of Climate, 2004, 17, 1176-1189.	3.2	26
50	ARCTIC CHANGE AND POSSIBLE INFLUENCE ON MID-LATITUDE CLIMATE AND WEATHER: A US CLIVAR White Paper. , 2018, n/a, .		25
51	A shorter snowfall season associated with higher air temperatures over northern Eurasia. Environmental Research Letters, 2013, 8, 014052.	5.2	24
52	The Role of Boundary Conditions in AMIP-2 Simulations of the NAO. Journal of Climate, 2005, 18, 973-981.	3.2	23
53	Winter Precipitation Forecast in the European and Mediterranean Regions Using Cluster Analysis. Geophysical Research Letters, 2017, 44, 12,418.	4.0	22
54	A Test for Annular Modes. Journal of Climate, 2002, 15, 2537-2546.	3.2	20

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55	Winter 2015/16: A Turning Point in ENSO-Based Seasonal Forecasts. Oceanography, 2017, 30, 82-89.	1.0	20
56	Passive microwave remote sensing of the historic February 2010 snowstorms in the Middle Atlantic region of the USA. Hydrological Processes, 2012, 26, 3459-3471.	2.6	14
57	The Impact of Split and Displacement Sudden Stratospheric Warmings on the Troposphere. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033989.	3.3	14
58	Case Studies of African Wave Disturbances in Gridded Analyses. Monthly Weather Review, 1997, 125, 2520-2530.	1.4	12
59	A look at the date of snowmelt and correlations with the Arctic Oscillation. Annals of Glaciology, 2013, 54, 196-204.	1.4	11
60	Four distinct Northeast US heat wave circulation patterns and associated mechanisms, trends, and electric usage. Npj Climate and Atmospheric Science, 2021, 4, .	6.8	10
61	A Diagnostic Comparison of Alaskan and Siberian Strong Anticyclones. Journal of Climate, 2011, 24, 2599-2611.	3.2	9
62	Snow-mass intercomparisons in the boreal forests from general circulation models and remotely sensed data sets. Polar Record, 1996, 32, 199-208.	0.8	4
63	Comments on â€œThe Life Cycle of the Northern Hemisphere Sudden Stratospheric Warmingsâ€• Journal of Climate, 2005, 18, 2775-2777.	3.2	4
64	Evaluating the relationship between sudden stratospheric warmings and tropospheric weather regimes in the NMME phase-2 models. Climate Dynamics, 2021, 56, 2321-2338.	3.8	4
65	Variability and Changes of Unfrozen Soils Below Snowpack. Geophysical Research Letters, 2022, 49, .	4.0	4
66	Arctic change reduces risk of cold extremesâ€”Response. Science, 2022, 375, 729-730.	12.6	2
67	Correction to â€œThe potential role of snow cover in forcing interannual variability of the major Northern Hemisphere modeâ€• Geophysical Research Letters, 2003, 30, .	4.0	1