Stephen J Vavrus

List of Publications by Year
in descending order

44	4,139	201674 27	265206 42
papers	citations	h-index	g-index

48	48	48	5477
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Future trends of arctic surface wind speeds and their relationship with sea ice in CMIP5 climate model simulations. Climate Dynamics, 2022, 59, 1833-1848.	3.8	9
2	Rainy season precipitation forecasts in coastal Peru from the North American <scp>Multiâ€Model</scp> Ensemble. International Journal of Climatology, 2022, 42, 6221-6234.	3.5	4
3	Increased persistence of large-scale circulation regimes over Asia in the era of amplified Arctic warming, past and future. Scientific Reports, 2020, 10, 14953.	3.3	13
4	Rapid neoglaciation on Ellesmere Island promoted by enhanced summer snowfall in a transient climate model simulation of the middle-late-Holocene. Holocene, 2020, 30, 1474-1480.	1.7	0
5	Wind amplifies the polar sea ice retreat. Environmental Research Letters, 2020, 15, 124022.	5.2	22
6	Spatially variable warming of the Laurentian Great Lakes: an interaction of bathymetry and climate. Climate Dynamics, 2019, 52, 5833-5848.	3.8	21
7	The role of horizontal thermal advection in regulating wintertime mean and extreme temperatures over interior North America during the past and future. Climate Dynamics, 2019, 53, 6125-6144.	3.8	5
8	North American Weather Regimes Are Becoming More Persistent: Is Arctic Amplification a Factor?. Geophysical Research Letters, 2018, 45, 11,414.	4.0	48
9	The Influence of Arctic Amplification on Mid-latitude Weather and Climate. Current Climate Change Reports, 2018, 4, 238-249.	8.6	59
10	Glacial Inception in Marine Isotope Stage 19: An Orbital Analog for a Natural Holocene Climate. Scientific Reports, 2018, 8, 10213.	3.3	12
11	Changes in North American Atmospheric Circulation and Extreme Weather: Influence of Arctic Amplification and Northern Hemisphere Snow Cover. Journal of Climate, 2017, 30, 4317-4333.	3.2	71
12	Amplified Arctic warming and midâ€latitude weather: new perspectives on emerging connections. Wiley Interdisciplinary Reviews: Climate Change, 2017, 8, e474.	8.1	120
13	Late Holocene climate: Natural or anthropogenic?. Reviews of Geophysics, 2016, 54, 93-118.	23.0	150
14	Sinuosity of midlatitude atmospheric flow in a warming world. Geophysical Research Letters, 2016, 43, 8259-8268.	4.0	74
15	Recent accelerated warming of the Laurentian Great Lakes: Physical drivers. Limnology and Oceanography, 2016, 61, 1762-1786.	3.1	97
16	Interpreting climate model projections of extreme weather events. Weather and Climate Extremes, 2015, 10, 10-28.	4.1	26
17	Evidence for a wavier jet stream in response to rapid Arctic warming. Environmental Research Letters, 2015, 10, 014005.	5.2	417
18	A comparison of projected future precipitation in Wisconsin using global and downscaled climate model simulations: implications for public health. International Journal of Climatology, 2014, 34, 3106-3124.	3.5	24

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19	Extreme Arctic cyclones in CMIP5 historical simulations. Geophysical Research Letters, 2013, 40, 6208-6212.	4.0	35
20	Understanding Simulated Extreme Precipitation Events in Madison, Wisconsin, and the Role of Moisture Flux Convergence during the Late Twentieth and Twenty-First Centuries*. Journal of Hydrometeorology, 2012, 13, 877-894.	1.9	21
21	A Characterization of the Present-Day Arctic Atmosphere in CCSM4. Journal of Climate, 2012, 25, 2676-2695.	3.2	77
22	Twenty-First-Century Arctic Climate Change in CCSM4. Journal of Climate, 2012, 25, 2696-2710.	3.2	112
23	Evidence linking Arctic amplification to extreme weather in midâ€latitudes. Geophysical Research Letters, 2012, 39, .	4.0	1,268
24	A cloudier Arctic expected with diminishing sea ice. Geophysical Research Letters, 2012, 39, .	4.0	78
25	Identifying climatic analogs for Wisconsin under 21st-century climate-change scenarios. Climatic Change, 2012, 112, 1037-1058.	3.6	48
26	Changes in Arctic clouds during intervals of rapid sea ice loss. Climate Dynamics, 2011, 36, 1475-1489.	3.8	68
27	The role of GCM resolution in simulating glacial inception. Holocene, 2011, 21, 819-830.	1.7	17
28	Factors Influencing Simulated Changes in Future Arctic Cloudiness. Journal of Climate, 2011, 24, 4817-4830.	3.2	29
29	Climate model simulation of anthropogenic influence on greenhouse-induced climate change (early) Tj ETQq1 1 0.784314 rgBT /Over	3.6	53
30	Patterns of Climate Change Across Wisconsin From 1950 to 2006. Physical Geography, 2010, 31, 1-28.	1.4	80
31	Projected future temperature and precipitation extremes in Chicago. Journal of Great Lakes Research, 2010, 36, 22-32.	1.9	37
32	Simulations of 20th and 21st century Arctic cloud amount in the global climate models assessed in the IPCC AR4. Climate Dynamics, 2009, 33, 1099-1115.	3.8	96
33	Climate Change and Waterborne Disease Risk in the Great Lakes Region of the U.S.. American Journal of Preventive Medicine, 2008, 35, 451-458.	3.0	186
34	An Improved Parameterization for Simulating Arctic Cloud Amount in the CCSM3 Climate Model. Journal of Climate, 2008, 21, 5673-5687.	3.2	83
35	Relationships between Arctic Sea Ice and Clouds during Autumn. Journal of Climate, 2008, 21, 4799-4810.	3.2	179
36	The role of terrestrial snow cover in the climate system. Climate Dynamics, 2007, 29, 73-88.	3.8	118

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37	An alternative method to calculate cloud radiative forcing: Implications for quantifying cloud feedbacks. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	15
38	Workshop on Modeling of the Arctic Atmosphere. Bulletin of the American Meteorological Society, 2005, 86, 845-852.	3.3	14
39	Simulated 21st century changes in regional water balance of the Great Lakes region and links to changes in global temperature and poleward moisture transport. Geophysical Research Letters, 2005, 32, .	4.0	39
40	The Impact of Cloud Feedbacks on Arctic Climate under Greenhouse Forcing*. Journal of Climate, 2004, 17, 603-615.	3.2	166
41	Sensitivity of the thermohaline circulation to increased CO2and lowered topography. Geophysical Research Letters, 2002, 29, 41-1.	4.0	9
42	Measuring the sensitivity of southern Wisconsin lake ice to climate variations and lake depth using a numerical model. Limnology and Oceanography, 1996, 41, 822-831.	3.1	124
43	Sensitivity of the Arctic Climate to Leads in a Coupled Atmosphere-Mixed Layer Ocean Model. Journal of Climate, 1995, 8, 158-171.	3.2	14
44	Did agriculture beget agriculture during the past several millennia?. Holocene, 0, , 095968362210882.	1.7	1