

Jennifer A Francis

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

6,534
citations

159358

30
h-index

264894

42
g-index

45
all docs

45
docs citations

45
times ranked

6320
citing authors

#	ARTICLE	IF	CITATIONS
1	A recent weakening of winter temperature association between Arctic and Asia. <i>Environmental Research Letters</i> , 2022, 17, 034030.	2.2	24
2	How do intermittency and simultaneous processes obfuscate the Arctic influence on midlatitude winter extreme weather events?. <i>Environmental Research Letters</i> , 2021, 16, 043002.	2.2	63
3	Effects of the tropospheric large-scale circulation on European winter temperatures during the period of amplified Arctic warming. <i>International Journal of Climatology</i> , 2020, 40, 509-529.	1.5	43
4	Increased persistence of large-scale circulation regimes over Asia in the era of amplified Arctic warming, past and future. <i>Scientific Reports</i> , 2020, 10, 14953.	1.6	13
5	Why has no new record-minimum Arctic sea-ice extent occurred since September 2012?. <i>Environmental Research Letters</i> , 2020, 15, 114034.	2.2	21
6	The role of horizontal thermal advection in regulating wintertime mean and extreme temperatures over interior North America during the past and future. <i>Climate Dynamics</i> , 2019, 53, 6125-6144.	1.7	5
7	Warm Arctic episodes linked with increased frequency of extreme winter weather in the United States. <i>Nature Communications</i> , 2018, 9, 869.	5.8	205
8	North American Weather Regimes Are Becoming More Persistent: Is Arctic Amplification a Factor?. <i>Geophysical Research Letters</i> , 2018, 45, 11,414.	1.5	48
9	Changes in North American Atmospheric Circulation and Extreme Weather: Influence of Arctic Amplification and Northern Hemisphere Snow Cover. <i>Journal of Climate</i> , 2017, 30, 4317-4333.	1.2	71
10	Amplified Arctic warming and mid-latitude weather: new perspectives on emerging connections. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2017, 8, e474.	3.6	120
11	Why Are Arctic Linkages to Extreme Weather Still up in the Air?. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 2551-2557.	1.7	102
12	A Cold Event in Asia during January–February 2012 and Its Possible Association with Arctic Sea Ice Loss. <i>Journal of Climate</i> , 2017, 30, 7971-7990.	1.2	63
13	Summer Arctic dipole wind pattern affects the winter Siberian High. <i>International Journal of Climatology</i> , 2016, 36, 4187-4201.	1.5	23
14	Contribution of sea-ice loss to Arctic amplification is regulated by Pacific Ocean decadal variability. <i>Nature Climate Change</i> , 2016, 6, 856-860.	8.1	164
15	Nonlinear response of mid-latitude weather to the changing Arctic. <i>Nature Climate Change</i> , 2016, 6, 992-999.	8.1	268
16	The Arctic matters: extreme weather responds to diminished Arctic Sea ice. <i>Environmental Research Letters</i> , 2015, 10, 091002.	2.2	11
17	The Melting Arctic and Midlatitude Weather Patterns: Are They Connected?*. <i>Journal of Climate</i> , 2015, 28, 7917-7932.	1.2	320
18	Evidence for a wavier jet stream in response to rapid Arctic warming. <i>Environmental Research Letters</i> , 2015, 10, 014005.	2.2	417

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19	Extreme summer weather in northern mid-latitudes linked to a vanishing cryosphere. <i>Nature Climate Change</i> , 2014, 4, 45-50.	8.1	187
20	Drivers of projected change in arctic moist static energy transport. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2748-2761.	1.2	31
21	Cold winter extremes in northern continents linked to Arctic sea ice loss. <i>Environmental Research Letters</i> , 2013, 8, 014036.	2.2	307
22	The where and when of wetter and drier: disappearing Arctic sea ice plays a role. <i>Environmental Research Letters</i> , 2013, 8, 041002.	2.2	8
23	The recent shift in early summer Arctic atmospheric circulation. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	196
24	Evidence linking Arctic amplification to extreme weather in mid-latitudes. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	1,268
25	Analysis of the Arctic System for Freshwater Cycle Intensification: Observations and Expectations. <i>Journal of Climate</i> , 2010, 23, 5715-5737.	1.2	303
26	Attribution of Projected Changes in Atmospheric Moisture Transport in the Arctic: A Self-Organizing Map Perspective. <i>Journal of Climate</i> , 2009, 22, 4135-4153.	1.2	65
27	Attribution of Seasonal and Regional Changes in Arctic Moisture Convergence. <i>Journal of Climate</i> , 2009, 22, 5115-5134.	1.2	22
28	Winter Northern Hemisphere weather patterns remember summer Arctic sea ice extent. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	320
29	An arctic hydrologic system in transition: Feedbacks and impacts on terrestrial, marine, and human life. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	69
30	Relationships between Arctic Sea Ice and Clouds during Autumn. <i>Journal of Climate</i> , 2008, 21, 4799-4810.	1.2	179
31	Changes in the fabric of the Arctic's greenhouse blanket. <i>Environmental Research Letters</i> , 2007, 2, 045011.	2.2	65
32	Drivers of declining sea ice in the Arctic winter: A tale of two seas. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	79
33	New insight into the disappearing Arctic sea ice. <i>Eos</i> , 2006, 87, 509.	0.1	162
34	The Arctic on the fast track of change. <i>Weather</i> , 2006, 61, 65-69.	0.6	51
35	The Arctic Amplification Debate. <i>Climatic Change</i> , 2006, 76, 241-264.	1.7	883
36	Arctic Tropospheric Winds Derived from TOVS Satellite Retrievals. <i>Journal of Climate</i> , 2005, 18, 2270-2285.	1.2	14

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37	Clues to variability in Arctic minimum sea ice extent. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	99
38	Arctic system on trajectory to new, seasonally ice-free state. <i>Eos</i> , 2005, 86, 309.	0.1	124
39	Moisture budget of the Arctic atmosphere from TOVS satellite data. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 11-1.	3.3	29
40	Variability of the Arctic atmospheric moisture budget from TOVS satellite data. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 18-1.	3.3	40
41	A method to derive downwelling longwave fluxes at the Arctic surface from TIROS operational vertical sounder data. <i>Journal of Geophysical Research</i> , 1997, 102, 1795-1806.	3.3	17
42	Improvements to TOVS retrievals over sea ice and applications to estimating Arctic energy fluxes. <i>Journal of Geophysical Research</i> , 1994, 99, 10395.	3.3	35