

James E Overland

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

12,347
citations

26567

56
h-index

31759

101
g-index

107
all docs

107
docs citations

107
times ranked

11015
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Arctic amplification and extreme mid-latitude weather. <i>Nature Geoscience</i> , 2014, 7, 627-637.	5.4	1,729
2	A sea ice free summer Arctic within 30 years?. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	524
3	Key indicators of Arctic climate change: 1971–2017. <i>Environmental Research Letters</i> , 2019, 14, 045010.	2.2	471
4	Large-scale atmospheric circulation changes are associated with the recent loss of Arctic sea ice. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 62, 1.	0.8	458
5	When will the summer Arctic be nearly sea ice free?. <i>Geophysical Research Letters</i> , 2013, 40, 2097-2101.	1.5	443
6	A Significance Test for Principal Components Applied to a Cyclone Climatology. <i>Monthly Weather Review</i> , 1982, 110, 1-4.	0.5	412
7	Warm Arctic–cold continents: climate impacts of the newly open Arctic Sea. <i>Polar Research</i> , 2011, 30, 15787.	1.6	338
8	A sea ice free summer Arctic within 30 years: An update from CMIP5 models. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	324
9	Climate impacts on eastern Bering Sea foodwebs: a synthesis of new data and an assessment of the Oscillating Control Hypothesis. <i>ICES Journal of Marine Science</i> , 2011, 68, 1230-1243.	1.2	321
10	The Melting Arctic and Midlatitude Weather Patterns: Are They Connected?*. <i>Journal of Climate</i> , 2015, 28, 7917-7932.	1.2	320
11	Decadal Variability of the Aleutian Low and Its Relation to High-Latitude Circulation*. <i>Journal of Climate</i> , 1999, 12, 1542-1548.	1.2	313
12	Impacts of changing sea-ice conditions on Arctic marine mammals. <i>Marine Biodiversity</i> , 2011, 41, 181-194.	0.3	303
13	Application of a sequential regime shift detection method to the Bering Sea ecosystem. <i>ICES Journal of Marine Science</i> , 2005, 62, 328-332.	1.2	269
14	Nonlinear response of mid-latitude weather to the changing Arctic. <i>Nature Climate Change</i> , 2016, 6, 992-999.	8.1	268
15	The urgency of Arctic change. <i>Polar Science</i> , 2019, 21, 6-13.	0.5	247
16	Future Arctic climate changes: Adaptation and mitigation time scales. <i>Earth's Future</i> , 2014, 2, 68-74.	2.4	224
17	Evidence for a substantial increase in gelatinous zooplankton in the Bering Sea, with possible links to climate change. <i>Fisheries Oceanography</i> , 1999, 8, 296-306.	0.9	206
18	North Pacific regime shifts: Definitions, issues and recent transitions. <i>Progress in Oceanography</i> , 2008, 77, 92-102.	1.5	200

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19	The recent shift in early summer Arctic atmospheric circulation. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	196
20	A comparison of the physics of the northern and southern shelves of the eastern Bering Sea and some implications for the ecosystem. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 65-70, 14-30.	0.6	170
21	Is the climate of the Bering Sea warming and affecting the ecosystem?. <i>Eos</i> , 2004, 85, 309.	0.1	163
22	The Arctic shifts to a new normal. <i>Physics Today</i> , 2013, 66, 35-40.	0.3	148
23	Cyclone Climatology of the Bering Sea and Its Relation to Sea Ice Extent. <i>Monthly Weather Review</i> , 1982, 110, 5-13.	0.5	127
24	Seasonal and Regional Variation of Pan-Arctic Surface Air Temperature over the Instrumental Record*. <i>Journal of Climate</i> , 2004, 17, 3263-3282.	1.2	127
25	Weakened Potential Vorticity Barrier Linked to Recent Winter Arctic Sea Ice Loss and Midlatitude Cold Extremes. <i>Journal of Climate</i> , 2019, 32, 4235-4261.	1.2	125
26	Climate controls on marine ecosystems and fish populations. <i>Journal of Marine Systems</i> , 2010, 79, 305-315.	0.9	124
27	A decade of environmental change in the Pacific Arctic region. <i>Progress in Oceanography</i> , 2015, 136, 12-31.	1.5	123
28	Bottom-up forcing and the decline of Steller sea lions (<i>Eumetopias jubatus</i>) in Alaska: assessing the ocean climate hypothesis. <i>Fisheries Oceanography</i> , 2007, 16, 46-67.	0.9	118
29	A framework for modelling fish and shellfish responses to future climate change. <i>ICES Journal of Marine Science</i> , 2009, 66, 1584-1594.	1.2	116
30	The Arctic snow and air temperature budget over sea ice during winter. <i>Journal of Geophysical Research</i> , 1991, 96, 4651-4662.	3.3	112
31	Ongoing Climate Change in the Arctic. <i>Ambio</i> , 2011, 40, 6-16.	2.8	111
32	Future regional Arctic sea ice declines. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	108
33	Early 20 th century Arctic warming in retrospect. <i>International Journal of Climatology</i> , 2010, 30, 1269-1279.	1.5	99
34	Extreme weather and climate events in northern areas: A review. <i>Earth-Science Reviews</i> , 2020, 209, 103324.	4.0	92
35	Scale Analysis of Marine Winds in Straits and along Mountainous Coasts. <i>Monthly Weather Review</i> , 1984, 112, 2530-2534.	0.5	89
36	Detecting Arctic Climate Change Using K _{1/2} ppen Climate Classification. <i>Climatic Change</i> , 2004, 67, 43-62.	1.7	88

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37	Considerations in the Selection of Global Climate Models for Regional Climate Projections: The Arctic as a Case Study*. <i>Journal of Climate</i> , 2011, 24, 1583-1597.	1.2	88
38	Future climate of the north Pacific Ocean. <i>Eos</i> , 2007, 88, 178-182.	0.1	86
39	Climate projections for selected large marine ecosystems. <i>Journal of Marine Systems</i> , 2010, 79, 258-266.	0.9	86
40	Climate forcing and the California Current ecosystem. <i>ICES Journal of Marine Science</i> , 2011, 68, 1199-1216.	1.2	82
41	Projected future duration of the sea-ice-free season in the Alaskan Arctic. <i>Progress in Oceanography</i> , 2015, 136, 50-59.	1.5	82
42	The Changing Arctic Cryosphere and Likely Consequences: An Overview. <i>Ambio</i> , 2011, 40, 111-118.	2.8	81
43	Recent Extreme Arctic Temperatures are due to a Split Polar Vortex. <i>Journal of Climate</i> , 2016, 29, 5609-5616.	1.2	80
44	Observations and Scale Analysis of Coastal Wind Jets. <i>Monthly Weather Review</i> , 1995, 123, 2934-2941.	0.5	77
45	The third Arctic climate pattern: 1930s and early 2000s. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	76
46	Arctic sea-ice change: a grand challenge of climate science. <i>Journal of Glaciology</i> , 2010, 56, 1115-1121.	1.1	76
47	Interpretation of North Pacific Variability as a Short- and Long-Memory Process*. <i>Journal of Climate</i> , 2001, 14, 4545-4559.	1.2	75
48	Future climate of the Bering and Chukchi Seas projected by global climate models. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 65-70, 46-57.	0.6	74
49	Intrinsic versus Forced Variation in Coupled Climate Model Simulations over the Arctic during the Twentieth Century*. <i>Journal of Climate</i> , 2007, 20, 1093-1107.	1.2	73
50	Integrated Analysis of Physical and Biological Pan-Arctic Change. <i>Climatic Change</i> , 2004, 63, 291-322.	1.7	71
51	The 2020 Siberian heat wave. <i>International Journal of Climatology</i> , 2021, 41, E2341.	1.5	68
52	Gap Winds in the Strait of Juan de Fuca. <i>Monthly Weather Review</i> , 1981, 109, 2221-2233.	0.5	67
53	Atmospheric Structure and Momentum Balance during a Gap-Wind Event in Shelikof Strait, Alaska. <i>Monthly Weather Review</i> , 1989, 117, 1817-1833.	0.5	64
54	Sea-ice cover timing in the Pacific Arctic: The present and projections to mid-century by selected CMIP5 models. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 152, 22-34.	0.6	62

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55	Regime shifts and red noise in the North Pacific. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 582-588.	0.6	61
56	North Pacific Atmospheric and SST Anomalies in 1997: Links to ENSO?. <i>Fisheries Oceanography</i> , 2001, 10, 69-80.	0.9	58
57	Recent Bering Sea warm and cold events in a 95-year context. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 65-70, 6-13.	0.6	58
58	The Influence of Coastal Orography: The Yakutat Storm. <i>Monthly Weather Review</i> , 1993, 121, 1388-1397.	0.5	54
59	Coastally Trapped Wind Reversals along the United States West Coast during the Warm Season. Part I: Climatology and Temporal Evolution. <i>Monthly Weather Review</i> , 1996, 124, 430-445.	0.5	54
60	The Coastal Observation and Simulation with Topography (COAST) Experiment. <i>Bulletin of the American Meteorological Society</i> , 1997, 78, 1941-1955.	1.7	53
61	Observations of Longitudinal Rolls in a Near Neutral Atmosphere. <i>Monthly Weather Review</i> , 1984, 112, 200-208.	0.5	51
62	Meteorology of the Beaufort Sea. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	51
63	A difficult Arctic science issue: Midlatitude weather linkages. <i>Polar Science</i> , 2016, 10, 210-216.	0.5	50
64	A Numerical Study of the Circulation of the Bering Sea Basin and Exchange with the North Pacific Ocean. <i>Journal of Physical Oceanography</i> , 1994, 24, 736-758.	0.7	49
65	Climate change, teleconnection patterns, and regional processes forcing marine populations in the Pacific. <i>Journal of Marine Systems</i> , 2010, 79, 245-257.	0.9	49
66	Extreme Cold Events from East Asia to North America in Winter 2020/21: Comparisons, Causes, and Future Implications. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 553-565.	1.9	44
67	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
68	Anomalous Arctic surface wind patterns and their impacts on September sea ice minima and trend. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 64, 18590.	0.8	42
69	Is there a "new normal" climate in the Beaufort Sea?. <i>Polar Research</i> , 2013, 32, 19552.	1.6	42
70	Spatial and temporal variability of the Aleutian climate. <i>Fisheries Oceanography</i> , 2005, 14, 3-21.	0.9	40
71	Causes of the Record-Breaking Pacific Northwest Heatwave, Late June 2021. <i>Atmosphere</i> , 2021, 12, 1434.	1.0	39
72	Recent Temperature Changes in the Western Arctic during Spring*. <i>Journal of Climate</i> , 2002, 15, 1702-1716.	1.2	38

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73	Accelerated decline of summer Arctic sea ice during 1850–2017 and the amplified Arctic warming during the recent decades. <i>Environmental Research Letters</i> , 2021, 16, 034015.	2.2	34
74	Increased Variability in the Early Winter Subarctic North American Atmospheric Circulation*. <i>Journal of Climate</i> , 2015, 28, 7297-7305.	1.2	33
75	The importance of episodic weather events to the ecosystem of the Bering Sea shelf. <i>Fisheries Oceanography</i> , 2005, 14, 97-111.	0.9	30
76	Arctic-midlatitude weather linkages in North America. <i>Polar Science</i> , 2018, 16, 1-9.	0.5	30
77	The Arctic. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S239-S286.	1.7	29
78	Prediction of Vessel Icing for Near-Freezing Sea Temperatures. <i>Weather and Forecasting</i> , 1990, 5, 62-77.	0.5	28
79	Resolving Future Arctic/Midlatitude Weather Connections. <i>Earth's Future</i> , 2018, 6, 1146-1152.	2.4	27
80	Recent increased warming of the Alaskan marine Arctic due to midlatitude linkages. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 75-84.	1.9	26
81	The Polar Vortex and Extreme Weather: The Beast from the East in Winter 2018. <i>Atmosphere</i> , 2020, 11, 664.	1.0	22
82	Polar Lower-Latitude Linkages and Their Role in Weather and Climate Prediction. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, ES197-ES200.	1.7	21
83	Less climatic resilience in the Arctic. <i>Weather and Climate Extremes</i> , 2020, 30, 100275.	1.6	21
84	Can Arctic warming influence UK extreme weather?. <i>Weather</i> , 2017, 72, 346-352.	0.6	17
85	An integrated index of recent pan-Arctic climate change. <i>Environmental Research Letters</i> , 2019, 14, 035006.	2.2	16
86	Impact of the winter polar vortex on greater North America. <i>International Journal of Climatology</i> , 2019, 39, 5815-5821.	1.5	15
87	Abrupt Climate Changes and Emerging Ice-Ocean Processes in the Pacific Arctic Region and the Bering Sea. , 2014, , 65-99.		14
88	Rare events in the Arctic. <i>Climatic Change</i> , 2021, 168, 1.	1.7	14
89	Change in the Arctic influence on Bering Sea climate during the twentieth century. <i>International Journal of Climatology</i> , 2006, 26, 531-539.	1.5	13
90	Anomalous blocking over Greenland preceded the 2013 extreme early melt of local sea ice. <i>Annals of Glaciology</i> , 2018, 59, 181-190.	2.8	13

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91	Is the melting Arctic changing midlatitude weather?. <i>Physics Today</i> , 2016, 69, 38-43.	0.3	12
92	Results of the First Arctic Heat Open Science Experiment. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 513-520.	1.7	11
93	Subseasonal atmospheric regimes and ocean background forcing of Pacific Arctic sea ice melt onset. <i>Climate Dynamics</i> , 2019, 52, 5657-5672.	1.7	11
94	The case for global warming in the Arctic. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009, , 13-23.	0.1	9
95	Advances in Arctic Atmospheric Research. <i>Atmospheric and Oceanographic Sciences Library</i> , 2012, , 11-26.	0.1	9
96	The Alaskan Arctic regime shift since 2017: A harbinger of years to come?. <i>Polar Science</i> , 2022, 32, 100841.	0.5	8
97	Assessing Change-Points in Surface Air Temperature Over Alaska. <i>Frontiers in Environmental Science</i> , 2018, 6, .	1.5	7
98	100 Years of Progress in Polar Meteorology. <i>Meteorological Monographs</i> , 2018, 59, 21.1-21.36.	5.0	6
99	Recent and Future Changes in the Meteorology of the Pacific Arctic. , 2014, , 17-30.		6
100	Arctic change: multiple observations and recent understanding. <i>Weather</i> , 2006, 61, 78-83.	0.6	5
101	Impact of Model Physics on Seasonal Forecasts of Surface Air Temperature in the Arctic. <i>Monthly Weather Review</i> , 2017, 145, 773-782.	0.5	3
102	Communicating Arctic-midlatitude weather and ecosystem connections: direct observations and sources of intermittency. <i>Environmental Research Letters</i> , 2021, 16, 105006.	2.2	3
103	Potential Arctic connections to eastern North American cold winters. <i>Czech Polar Reports</i> , 2017, 7, 232-243.	0.2	2
104	Diminishing Sea Ice. <i>Science</i> , 2008, 321, 1443-1445.	6.0	0
105	Polarization and polar climate. <i>Eos</i> , 2012, 93, 390-390.	0.1	0
106	Frequency of Winter Coupled North Pacific/North America Circulation Regimes. <i>Climate</i> , 2022, 10, 54.	1.2	0