James E Overland

List of Publications by Year in descending order

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IAMES E OVERIAND

#	Article	IF	CITATIONS
1	Large-scale atmospheric circulation changes are associated with the recent loss of Arctic sea ice. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 62, 1.	1.7	458
2	Anomalous Arctic surface wind patterns and their impacts on September sea ice minima and trend. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 64, 18590.	1.7	42
3	Extreme Cold Events from East Asia to North America in Winter 2020/21: Comparisons, Causes, and Future Implications. Advances in Atmospheric Sciences, 2022, 39, 553-565.	4.3	44
4	Frequency of Winter Coupled North Pacific/North America Circulation Regimes. Climate, 2022, 10, 54.	2.8	0
5	The Alaskan Arctic regime shift since 2017: A harbinger of years to come?. Polar Science, 2022, 32, 100841.	1.2	8
6	The 2020 Siberian heat wave. International Journal of Climatology, 2021, 41, E2341.	3.5	68
7	Accelerated decline of summer Arctic sea ice during 1850–2017 and the amplified Arctic warming during the recent decades. Environmental Research Letters, 2021, 16, 034015.	5.2	34
8	Communicating Arctic-midlatitude weather and ecosystem connections: direct observations and sources of intermittency. Environmental Research Letters, 2021, 16, 105006.	5.2	3
9	Rare events in the Arctic. Climatic Change, 2021, 168, 1.	3.6	14
10	Causes of the Record-Breaking Pacific Northwest Heatwave, Late June 2021. Atmosphere, 2021, 12, 1434.	2.3	39
11	Effects of the tropospheric largeâ€scale circulation on European winter temperatures during the period of amplified Arctic warming. International Journal of Climatology, 2020, 40, 509-529.	3.5	43
12	Less climatic resilience in the Arctic. Weather and Climate Extremes, 2020, 30, 100275.	4.1	21
13	Extreme weather and climate events in northern areas: A review. Earth-Science Reviews, 2020, 209, 103324.	9.1	92
14	The Polar Vortex and Extreme Weather: The Beast from the East in Winter 2018. Atmosphere, 2020, 11, 664.	2.3	22
15	The Arctic. Bulletin of the American Meteorological Society, 2020, 101, S239-S286.	3.3	29
16	An integrated index of recent pan-Arctic climate change. Environmental Research Letters, 2019, 14, 035006.	5.2	16
17	Subseasonal atmospheric regimes and ocean background forcing of Pacific Arctic sea ice melt onset. Climate Dynamics, 2019, 52, 5657-5672.	3.8	11
18	Impact of the winter polar vortex on greater North America. International Journal of Climatology, 2019, 39, 5815-5821.	3.5	15

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19	Weakened Potential Vorticity Barrier Linked to Recent Winter Arctic Sea Ice Loss and Midlatitude Cold Extremes. Journal of Climate, 2019, 32, 4235-4261.	3.2	125
20	Key indicators of Arctic climate change: 1971–2017. Environmental Research Letters, 2019, 14, 045010.	5.2	471
21	The urgency of Arctic change. Polar Science, 2019, 21, 6-13.	1.2	247
22	Recent increased warming of the Alaskan marine Arctic due to midlatitude linkages. Advances in Atmospheric Sciences, 2018, 35, 75-84.	4.3	26
23	Results of the First Arctic Heat Open Science Experiment. Bulletin of the American Meteorological Society, 2018, 99, 513-520.	3.3	11
24	Sea-ice cover timing in the Pacific Arctic: The present and projections to mid-century by selected CMIP5 models. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 152, 22-34.	1.4	62
25	Anomalous blocking over Greenland preceded the 2013 extreme early melt of local sea ice. Annals of Glaciology, 2018, 59, 181-190.	1.4	13
26	100 Years of Progress in Polar Meteorology. Meteorological Monographs, 2018, 59, 21.1-21.36.	5.0	6
27	Assessing Change-Points in Surface Air Temperature Over Alaska. Frontiers in Environmental Science, 2018, 6, .	3.3	7
28	Arctic-midlatitude weather linkages in North America. Polar Science, 2018, 16, 1-9.	1.2	30
29	Resolving Future Arctic/Midlatitude Weather Connections. Earth's Future, 2018, 6, 1146-1152.	6.3	27
30	Impact of Model Physics on Seasonal Forecasts of Surface Air Temperature in the Arctic. Monthly Weather Review, 2017, 145, 773-782.	1.4	3
31	Can Arctic warming influence UK extreme weather?. Weather, 2017, 72, 346-352.	0.7	17
32	Potential Arctic connections to eastern North American cold winters. Czech Polar Reports, 2017, 7, 232-243.	0.6	2
33	Is the melting Arctic changing midlatitude weather?. Physics Today, 2016, 69, 38-43.	0.3	12
34	Recent Extreme Arctic Temperatures are due to a Split Polar Vortex. Journal of Climate, 2016, 29, 5609-5616.	3.2	80
35	Nonlinear response of mid-latitude weather to the changing Arctic. Nature Climate Change, 2016, 6, 992-999.	18.8	268
36	A difficult Arctic science issue: Midlatitude weather linkages. Polar Science, 2016, 10, 210-216.	1.2	50

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37	Polar Lower-Latitude Linkages and Their Role in Weather and Climate Prediction. Bulletin of the American Meteorological Society, 2015, 96, ES197-ES200.	3.3	21
38	The Melting Arctic and Midlatitude Weather Patterns: Are They Connected?*. Journal of Climate, 2015, 28, 7917-7932.	3.2	320
39	Projected future duration of the sea-ice-free season in the Alaskan Arctic. Progress in Oceanography, 2015, 136, 50-59.	3.2	82
40	A decade of environmental change in the Pacific Arctic region. Progress in Oceanography, 2015, 136, 12-31.	3.2	123
41	Increased Variability in the Early Winter Subarctic North American Atmospheric Circulation*. Journal of Climate, 2015, 28, 7297-7305.	3.2	33
42	Recent Arctic amplification and extreme mid-latitude weather. Nature Geoscience, 2014, 7, 627-637.	12.9	1,729
43	Future Arctic climate changes: Adaptation and mitigation time scales. Earth's Future, 2014, 2, 68-74.	6.3	224
44	Recent and Future Changes in the Meteorology of the Pacific Arctic. , 2014, , 17-30.		6
45	Abrupt Climate Changes and Emerging Ice-Ocean Processes in the Pacific Arctic Region and the Bering Sea. , 2014, , 65-99.		14
46	When will the summer Arctic be nearly sea ice free?. Geophysical Research Letters, 2013, 40, 2097-2101.	4.0	443
47	The Arctic shifts to a new normal. Physics Today, 2013, 66, 35-40.	0.3	148
48	Is there a "new normal―climate in the Beaufort Sea?. Polar Research, 2013, 32, 19552.	1.6	42
49	Recent Bering Sea warm and cold events in a 95-year context. Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 65-70, 6-13.	1.4	58
50	A comparison of the physics of the northern and southern shelves of the eastern Bering Sea and some implications for the ecosystem. Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 65-70, 14-30.	1.4	170
51	Future climate of the Bering and Chukchi Seas projected by global climate models. Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 65-70, 46-57.	1.4	74
52	The recent shift in early summer Arctic atmospheric circulation. Geophysical Research Letters, 2012, 39, .	4.0	196
53	Polarization and polar climate. Eos, 2012, 93, 390-390.	0.1	0
54	A sea ice free summer Arctic within 30Âyears: An update from CMIP5 models. Geophysical Research Letters, 2012, 39, .	4.0	324

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55	Advances in Arctic Atmospheric Research. Atmospheric and Oceanographic Sciences Library, 2012, , 11-26.	0.1	9
56	Warm Arctic—cold continents: climate impacts of the newly open Arctic Sea. Polar Research, 2011, 30, 15787.	1.6	338
57	Impacts of changing sea-ice conditions on Arctic marine mammals. Marine Biodiversity, 2011, 41, 181-194.	1.0	303
58	Ongoing Climate Change in the Arctic. Ambio, 2011, 40, 6-16.	5.5	111
59	The Changing Arctic Cryosphere and Likely Consequences: An Overview. Ambio, 2011, 40, 111-118.	5.5	81
60	Considerations in the Selection of Global Climate Models for Regional Climate Projections: The Arctic as a Case Study*. Journal of Climate, 2011, 24, 1583-1597.	3.2	88
61	Climate forcing and the California Current ecosystem. ICES Journal of Marine Science, 2011, 68, 1199-1216.	2.5	82
62	Climate impacts on eastern Bering Sea foodwebs: a synthesis of new data and an assessment of the Oscillating Control Hypothesis. ICES Journal of Marine Science, 2011, 68, 1230-1243.	2.5	321
63	Climate change, teleconnection patterns, and regional processes forcing marine populations in the Pacific. Journal of Marine Systems, 2010, 79, 245-257.	2.1	49
64	Climate projections for selected large marine ecosystems. Journal of Marine Systems, 2010, 79, 258-266.	2.1	86
65	Climate controls on marine ecosystems and fish populations. Journal of Marine Systems, 2010, 79, 305-315.	2.1	124
66	Early 20 th century Arctic warming in retrospect. International Journal of Climatology, 2010, 30, 1269-1279.	3.5	99
67	Arctic sea-ice change: a grand challenge of climate science. Journal of Glaciology, 2010, 56, 1115-1121.	2.2	76
68	A framework for modelling fish and shellfish responses to future climate change. ICES Journal of Marine Science, 2009, 66, 1584-1594.	2.5	116
69	Meteorology of the Beaufort Sea. Journal of Geophysical Research, 2009, 114, .	3.3	51
70	A sea ice free summer Arctic within 30 years?. Geophysical Research Letters, 2009, 36, .	4.0	524
71	The case for global warming in the Arctic. NATO Science for Peace and Security Series C: Environmental Security, 2009, , 13-23.	0.2	9
72	North Pacific regime shifts: Definitions, issues and recent transitions. Progress in Oceanography, 2008, 77, 92-102.	3.2	200

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73	Diminishing Sea Ice. Science, 2008, 321, 1443-1445.	12.6	Ο
74	Intrinsic versus Forced Variation in Coupled Climate Model Simulations over the Arctic during the Twentieth Century*. Journal of Climate, 2007, 20, 1093-1107.	3.2	73
75	Future climate of the north Pacific Ocean. Eos, 2007, 88, 178-182.	0.1	86
76	Future regional Arctic sea ice declines. Geophysical Research Letters, 2007, 34, .	4.0	108
77	Bottom-up forcing and the decline of Steller sea lions (Eumetopias jubatus) in Alaska: assessing the ocean climate hypothesis. Fisheries Oceanography, 2007, 16, 46-67.	1.7	118
78	Regime shifts and red noise in the North Pacific. Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 582-588.	1.4	61
79	Arctic change: multiple observations and recent understanding. Weather, 2006, 61, 78-83.	0.7	5
80	Change in the Arctic influence on Bering Sea climate during the twentieth century. International Journal of Climatology, 2006, 26, 531-539.	3.5	13
81	The importance of episodic weather events to the ecosystem of the Bering Sea shelf. Fisheries Oceanography, 2005, 14, 97-111.	1.7	30
82	Spatial and temporal variability of the Aleutian climate. Fisheries Oceanography, 2005, 14, 3-21.	1.7	40
83	Application of a sequential regime shift detection method to the Bering Sea ecosystem. ICES Journal of Marine Science, 2005, 62, 328-332.	2.5	269
84	The third Arctic climate pattern: 1930s and early 2000s. Geophysical Research Letters, 2005, 32, .	4.0	76
85	Integrated Analysis of Physical and Biological Pan-Arctic Change. Climatic Change, 2004, 63, 291-322.	3.6	71
86	Detecting Arctic Climate Change Using K�ppen Climate Classification. Climatic Change, 2004, 67, 43-62.	3.6	88
87	Is the climate of the Bering Sea warming and affecting the ecosystem?. Eos, 2004, 85, 309.	0.1	163
88	Seasonal and Regional Variation of Pan-Arctic Surface Air Temperature over the Instrumental Record*. Journal of Climate, 2004, 17, 3263-3282.	3.2	127
89	Recent Temperature Changes in the Western Arctic during Spring*. Journal of Climate, 2002, 15, 1702-1716.	3.2	38
90	Interpretation of North Pacific Variability as a Short- and Long-Memory Process*. Journal of Climate, 2001, 14, 4545-4559.	3.2	75

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91	North Pacific Atmospheric and SST Anomalies in 1997: Links to ENSO?. Fisheries Oceanography, 2001, 10, 69-80.	1.7	58
92	Evidence for a substantial increase in gelatinous zooplankton in the Bering Sea, with possible links to climate change. Fisheries Oceanography, 1999, 8, 296-306.	1.7	206
93	Decadal Variability of the Aleutian Low and Its Relation to High-Latitude Circulation*. Journal of Climate, 1999, 12, 1542-1548.	3.2	313
94	The Coastal Observation and Simulation with Topography (COAST) Experiment. Bulletin of the American Meteorological Society, 1997, 78, 1941-1955.	3.3	53
95	Coastally Trapped Wind Reversals along the United States West Coast during the Warm Season. Part I: Climatology and Temporal Evolution. Monthly Weather Review, 1996, 124, 430-445.	1.4	54
96	Observations and Scale Analysis of Coastal Wind Jets. Monthly Weather Review, 1995, 123, 2934-2941.	1.4	77
97	A Numerical Study of the Circulation of the Bering Sea Basin and Exchange with the North Pacific Ocean. Journal of Physical Oceanography, 1994, 24, 736-758.	1.7	49
98	The Influence of Coastal Orography: The Yakutat Storm. Monthly Weather Review, 1993, 121, 1388-1397.	1.4	54
99	The Arctic snow and air temperature budget over sea ice during winter. Journal of Geophysical Research, 1991, 96, 4651-4662.	3.3	112
100	Prediction of Vessel Icing for Near-Freezing Sea Temperatures. Weather and Forecasting, 1990, 5, 62-77.	1.4	28
101	Atmospheric Structure and Momentum Balance during a Gap-Wind Event in Shelikof Strait, Alaska. Monthly Weather Review, 1989, 117, 1817-1833.	1.4	64
102	Observations of Longitudinal Rolls in a Near Neutral Atmosphere. Monthly Weather Review, 1984, 112, 200-208.	1.4	51
103	Scale Analysis of Marine Winds in Straits and along Mountainous Coasts. Monthly Weather Review, 1984, 112, 2530-2534.	1.4	89
104	A Significance Test for Principal Components Applied to a Cyclone Climatology. Monthly Weather Review, 1982, 110, 1-4.	1.4	412
105	Cyclone Climatology of the Bering Sea and Its Relation to Sea Ice Extent. Monthly Weather Review, 1982, 110, 5-13.	1.4	127
106	Gap Winds in the Strait of Juan de Fuca. Monthly Weather Review, 1981, 109, 2221-2233.	1.4	67