

Craig M Lee

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,172
citations

236925

25
h-index

155660

55
g-index

60
all docs

60
docs citations

60
times ranked

4386
citing authors

#	ARTICLE	IF	CITATIONS
1	The large-scale freshwater cycle of the Arctic. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	478
2	Analysis of the Arctic System for Freshwater Cycle Intensification: Observations and Expectations. <i>Journal of Climate</i> , 2010, 23, 5715-5737.	3.2	303
3	Intensification of Ocean Fronts by Down-Front Winds. <i>Journal of Physical Oceanography</i> , 2005, 35, 1086-1102.	1.7	244
4	The arctic freshwater system: Changes and impacts. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	203
5	Statistics of vertical vorticity, divergence, and strain in a developed submesoscale turbulence field. <i>Geophysical Research Letters</i> , 2013, 40, 4706-4711.	4.0	171
6	Particulate organic carbon and inherent optical properties during 2008 North Atlantic Bloom Experiment. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	165
7	Surprising return of deep convection to the subpolar North Atlantic Ocean in winter 2007â€“2008. <i>Nature Geoscience</i> , 2009, 2, 67-72.	12.9	160
8	Calcium carbonate saturation states in the waters of the Canadian Arctic Archipelago and the Labrador Sea. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	102
9	Modulation of Kuroshio transport by mesoscale eddies at the Luzon Strait entrance. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 2129-2142.	2.6	101
10	Internal Tides and Turbulence along the 3000-m Isobath of the Hawaiian Ridge. <i>Journal of Physical Oceanography</i> , 2006, 36, 1165-1183.	1.7	91
11	Interruption of two decades of Jakobshavn Isbrae acceleration and thinning as regional ocean cools. <i>Nature Geoscience</i> , 2019, 12, 277-283.	12.9	87
12	Symmetric Instability, Inertial Oscillations, and Turbulence at the Gulf Stream Front. <i>Journal of Physical Oceanography</i> , 2016, 46, 197-217.	1.7	82
13	Bora event variability and the role of air-sea feedback. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	72
14	ASIRI: An Oceanâ€“Atmosphere Initiative for Bay of Bengal. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1859-1884.	3.3	69
15	Greenland freshwater pathways in the subâ€“arctic seas from model experiments with passive tracers. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 877-907.	2.6	67
16	The Beaufort Gyre intensification and stabilization: A model-observation synthesis. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7933-7952.	2.6	54
17	Composition and fluxes of freshwater through Davis Strait using multiple chemical tracers. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	41
18	A climatology of the northern Adriatic Sea's response to bora and river forcing. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	40

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19	Observations of the cold wake of Typhoon Fanapi (2010). <i>Geophysical Research Letters</i> , 2013, 40, 316-321.	4.0	40
20	The Subpolar Front of the Japan/East Sea. Part II: Inverse Method for Determining the Frontal Vertical Circulation. <i>Journal of Physical Oceanography</i> , 2010, 40, 3-25.	1.7	38
21	Propagation of internal tides generated near Luzon Strait: Observations from autonomous gliders. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4125-4138.	2.6	37
22	Net community production and export from <sc>S</sc>eaglider measurements in the <sc>N</sc>orth <sc>A</sc>tantic after the spring bloom. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6121-6139.	2.6	37
23	Eddyâ€Kuroshio interaction processes revealed by mooring observations off Taiwan and Luzon. <i>Geophysical Research Letters</i> , 2015, 42, 8098-8105.	4.0	37
24	Submesoscale streamers exchange water on the north wall of the Gulf Stream. <i>Geophysical Research Letters</i> , 2016, 43, 1226-1233.	4.0	33
25	A multi-method autonomous assessment of primary productivity and export efficiency in the springtime North Atlantic. <i>Biogeosciences</i> , 2018, 15, 4515-4532.	3.3	30
26	Enhanced mixing across the gyre boundary at the Gulf Stream front. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17607-17614.	7.1	29
27	Global Estimates of Lateral Springtime Restratification. <i>Journal of Physical Oceanography</i> , 2016, 46, 1555-1573.	1.7	26
28	Studies of the Canadian Arctic Archipelago water transport and its relationship to basinâ€local forcings: Results from AOâ€FVCOM. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 4392-4415.	2.6	24
29	Response of upper ocean currents to Typhoon Fanapi. <i>Geophysical Research Letters</i> , 2014, 41, 3995-4003.	4.0	23
30	The Subpolar Front of the Japan/East Sea. Part III: Competing Roles of Frontal Dynamics and Atmospheric Forcing in Driving Ageostrophic Vertical Circulation and Subduction. <i>Journal of Physical Oceanography</i> , 2012, 42, 991-1011.	1.7	22
31	A warm jet in a cold ocean. <i>Nature Communications</i> , 2021, 12, 2418.	12.8	20
32	Observations of stormâ€induced mixing and Gulf Stream Ring incursion over the southern flank of Georges Bank: Winter and summer 1997. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	18
33	Ekman circulation in the <sc>A</sc>ctic <sc>O</sc>cean: Beyond the <sc>B</sc>eaufort <sc>G</sc>yre. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 3358-3374.	2.6	18
34	Comparing Observations and Parameterizations of Iceâ€Ocean Drag Through an Annual Cycle Across the Beaufort Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016977.	2.6	18
35	Fortuitous Encounters between Seagliders and Adult Female Northern Fur Seals (<i>Callorhinus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 FT PLoS ONE, 2014, 9, e101268.	2.5	17
36	Restratification at a California Current Upwelling Front. Part I: Observations. <i>Journal of Physical Oceanography</i> , 2020, 50, 1455-1472.	1.7	15

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37	Bay of Bengal Intraseasonal Oscillations and the 2018 Monsoon Onset. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1936-E1951.	3.3	15
38	Interaction of Superinertial Waves with Submesoscale Cyclonic Filaments in the North Wall of the Gulf Stream. <i>Journal of Physical Oceanography</i> , 2018, 48, 81-99.	1.7	14
39	Internal Waves in the Arctic: Influence of Ice Concentration, Ice Roughness, and Surface Layer Stratification. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5571-5586.	2.6	14
40	Turbulence in the wintertime northern Adriatic Sea under strong atmospheric forcing. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	10
41	The evolution of a shallow front in the Arctic marginal ice zone. <i>Elementa</i> , 2020, 8, .	3.2	10
42	Acoustic navigation and communication for High-Latitude Ocean Research Workshop. <i>Eos</i> , 2006, 87, 268.	0.1	9
43	Introduction to special section: Recent Advances in Oceanography and Marine Meteorology of the Adriatic Sea. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	9
44	Cascading off the West Greenland Shelf: A numerical perspective. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 5316-5328.	2.6	9
45	S-MODE: The Sub-Mesoscale Ocean Dynamics Experiment. , 2020, , .		9
46	Restratification at a California Current Upwelling Front. Part II: Dynamics. <i>Journal of Physical Oceanography</i> , 2020, 50, 1473-1487.	1.7	8
47	Combining Observations from Multiple Platforms across the Kuroshio Northeast of Luzon: A Highlight on PIES Data. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 2185-2203.	1.3	7
48	Extreme High Greenland Blocking Index Leads to the Reversal of Davis and Nares Strait Net Transport Toward the Arctic Ocean. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094178.	4.0	7
49	Introduction to special section: U.S. GLOBEC: Physical processes on Georges Bank (GLOBEC). <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	6
50	Buoyancy-adjusting Profiling Floats for Exploration of Heat Transport, Melt Rates, and Mixing in the Ocean Cavities Under Floating Ice Shelves. , 2019, , .		6
51	Using gliders to study a phytoplankton bloom in the Ross Sea, antarctica. , 2011, , .		5
52	Improving Situational Awareness in the Arctic Ocean. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	5
53	Outside influences on the water column of Cumberland Sound, Baffin Island. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 5000-5018.	2.6	4
54	Radar backscattering changes in Arctic sea ice from late summer to early autumn observed by space-borne X-band HH-polarization SAR. <i>Remote Sensing Letters</i> , 2016, 7, 551-560.	1.4	3

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55	Water Mass Exchanges between the Bay of Bengal and Arabian Sea from Multiyear Sampling with Autonomous Gliders. <i>Journal of Physical Oceanography</i> , 2022, 52, 2377-2396.	1.7	2
56	Generation of Low-Latitude Seamount-Trapped Waves: A Case Study of the Seychelles Plateau. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017234.	2.6	1
57	Direct Observations of the Role of Lateral Advection of Sea Ice Meltwater in the Onset of Autumn Freeze Up. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	1