

James H Morison

List of Publications by Year in descending order

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54
papers

5,862
citations

186265
28
h-index

197818
49
g-index

55
all docs

55
docs citations

55
times ranked

5862
citing authors

#	ARTICLE	IF	CITATIONS
1	Observational Evidence of Recent Change in the Northern High-Latitude Environment. <i>Climatic Change</i> , 2000, 46, 159-207.	3.6	1,690
2	The Ice, Cloud, and land Elevation Satellite-2 (ICESat-2): Science requirements, concept, and implementation. <i>Remote Sensing of Environment</i> , 2017, 190, 260-273.	11.0	600
3	Greater role for Atlantic inflows on sea-ice loss in the Eurasian Basin of the Arctic Ocean. <i>Science</i> , 2017, 356, 285-291.	12.6	576
4	Changing Arctic Ocean freshwater pathways. <i>Nature</i> , 2012, 481, 66-70.	27.8	363
5	Accuracy assessment of global barotropic ocean tide models. <i>Reviews of Geophysics</i> , 2014, 52, 243-282.	23.0	338
6	Circulation of summer Pacific halocline water in the Arctic Ocean. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	301
7	One more step toward a warmer Arctic. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	272
8	Rapid change in freshwater content of the Arctic Ocean. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	193
9	Freshening of the upper ocean in the Arctic: Is perennial sea ice disappearing?. <i>Geophysical Research Letters</i> , 1998, 25, 1729-1732.	4.0	162
10	Internal waves and mixing in the Arctic Ocean. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1992, 39, S459-S484.	1.5	101
11	Internal Waves in the Arctic Ocean: Comparison with Lower-Latitude Observations. <i>Journal of Physical Oceanography</i> , 1985, 15, 800-809.	1.7	88
12	Revisiting internal waves and mixing in the Arctic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3966-3977.	2.6	81
13	Ocean-to-ice heat flux at the North Pole environmental observatory. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	70
14	Observations of internal gravity waves under the Arctic pack ice. <i>Journal of Geophysical Research</i> , 1987, 92, 779-782.	3.3	62
15	Role of the upper ocean in the energy budget of Arctic sea ice during SHEBA. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	60
16	Recent trends in Arctic Ocean mass distribution revealed by GRACE. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	58
17	Arctic Ocean Circulation Patterns Revealed by GRACE. <i>Journal of Climate</i> , 2014, 27, 1445-1468.	3.2	56
18	The Beaufort Gyre intensification and stabilization: A model-observation synthesis. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7933-7952.	2.6	54

#	ARTICLE	IF	CITATIONS
19	Arctic Ice-Ocean Coupling and Gyre Equilibration Observed With Remote Sensing. Geophysical Research Letters, 2018, 45, 1499-1508.	4.0	54
20	Dynamic topography of the ice-covered Arctic Ocean from ICESat. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	50
21	North Pole Environmental Observatory delivers early results. Eos, 2002, 83, 357.	0.1	44
22	Ensemble 1-year predictions of Arctic sea ice for the spring and summer of 2008. Geophysical Research Letters, 2008, 35, .	4.0	43
23	The return of Pacific waters to the upper layers of the central Arctic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 1509-1529.	1.4	42
24	Distribution of convective Lower Halocline Water in the eastern Arctic Ocean. Journal of Geophysical Research, 2004, 109, .	3.3	40
25	Internal wave dissipation under sea ice. Journal of Geophysical Research, 1985, 90, 11959-11966.	3.3	39
26	Variability in the meteoric water, sea-ice melt, and Pacific water contributions to the central Arctic Ocean, 2000-2014. Journal of Geophysical Research: Oceans, 2015, 120, 1573-1598.	2.6	37
27	Sensor-based profiles of the NO parameter in the central Arctic and southern Canada Basin: New insights regarding the cold halocline. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 1432-1443.	1.4	35
28	Observational validation of the diffusive convection flux laws in the Amundsen Basin, Arctic Ocean. Journal of Geophysical Research: Oceans, 2015, 120, 7880-7896.	2.6	28
29	Sea surface height and dynamic topography of the ice-covered oceans from CryoSat-2: 2011-2014. Journal of Geophysical Research: Oceans, 2016, 121, 674-692.	2.6	28
30	Diffusive vertical heat flux in the Canada Basin of the Arctic Ocean inferred from moored instruments. Journal of Geophysical Research: Oceans, 2014, 119, 496-508.	2.6	27
31	Hydrographic changes in the Lincoln Sea in the Arctic Ocean with focus on an upper ocean freshwater anomaly between 2007 and 2010. Journal of Geophysical Research: Oceans, 2013, 118, 4699-4715.	2.6	26
32	Understanding the annual cycle of the Arctic Ocean bottom pressure. Geophysical Research Letters, 2010, 37, .	4.0	22
33	An Edge-Referenced Surface Fresh Layer in the Beaufort Sea Seasonal Ice Zone. Journal of Physical Oceanography, 2017, 47, 1125-1144.	1.7	22
34	Snowpack measurements suggest role for multi-year sea ice regions in Arctic atmospheric bromine and chlorine chemistry. Elementa, 2019, 7, .	3.2	20
35	Wintertime mixed layer measurements at Maud Rise, Weddell Sea. Journal of Geophysical Research, 2010, 115, .	3.3	18
36	A basin-coherent mode of sub-monthly variability in Arctic Ocean bottom pressure. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	17

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37	Thermohaline staircases in the <scp>A</scp>mundsen <scp>B</scp>asin: Possible disruption by shear and mixing. Journal of Geophysical Research: Oceans, 2017, 122, 7767-7782.	2.6	17
38	Temperature difference across the Lomonosov Ridge: Implications for the Atlantic Water circulation in the Arctic Ocean. Geophysical Research Letters, 2005, 32, .	4.0	16
39	Sea ice melt onset associated with lead opening during the spring/summer transition near the North Pole. Journal of Geophysical Research: Oceans, 2016, 121, 2499-2522.	2.6	15
40	A Meteoric Water Budget for the Arctic Ocean. Journal of Geophysical Research: Oceans, 2017, 122, 10020-10041.	2.6	15
41	The Autonomous Conductivity-Temperature Vehicle: First in the Seashuttle Family of Autonomous Underwater Vehicle's for Scientific Payloads. , 0, , .		13
42	Not Just Sea Ice: Other Factors Important to Nearâ€œInertial Wave Generation in the Arctic Ocean. Geophysical Research Letters, 2021, 48, e2020GL090508.	4.0	12
43	Ice-ocean turbulent exchange in the Arctic summer measured by an autonomous underwater vehicle. Limnology and Oceanography, 2008, 53, 2287-2308.	3.1	10
44	A drop in mid-summer shortwave radiation induced by changes in the ice-surface condition in the central Arctic. Geophysical Research Letters, 2005, 32, .	4.0	9
45	The formation and morphology of ice stalactites observed under deforming lead ice. Journal of Glaciology, 1995, 41, 305-312.	2.2	8
46	Measuring Ocean Bottom Pressure at the North Pole. Marine Technology Society Journal, 2014, 48, 52-68.	0.4	6
47	The arctic profiling system. , 0, , .		5
48	Proxy representation of Arctic ocean bottom pressure variability: Bridging gaps in GRACE observations. Geophysical Research Letters, 2016, 43, 9183-9191.	4.0	5
49	Sea State Bias of ICESat in the Subarctic Seas. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1144-1148.	3.1	5
50	Intercomparison of Salinity Products in the Beaufort Gyre and Arctic Ocean. Remote Sensing, 2022, 14, 71.	4.0	5
51	The Autonomous Conductivity Temperature Vehicle: Recent Developments. , 0, , .		2
52	The North Pole Region as an Indicator of the Changing Arctic Ocean: The Need for Sustaining Observations. Arctic, 2018, 71, .	0.4	2
53	A Computer-Controlled Yo-Yo Ctd System For The Arctic. , 0, , .		0
54	The formation and morphology of ice stalactites observed under deforming lead ice. Journal of Glaciology, 1995, 41, 305-312.	2.2	0