Markus A Janout

List of Publications by Year in descending order

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Version: 2024-02-01

45 papers	1,423 citations	279487 23 h-index	344852 36 g-index
66 all docs	66 docs citations	66 times ranked	1796 citing authors

#	Article	IF	Citations
1	Climate change in the southeastern Bering Sea: impacts on pollock stocks and implications for the oscillating control hypothesis. Fisheries Oceanography, 2011, 20, 139-156.	0.9	188
2	Pan-Arctic Ocean Primary Production Constrained by Turbulent Nitrate Fluxes. Frontiers in Marine Science, 2020, 7, .	1.2	82
3	Weakening of Cold Halocline Layer Exposes Sea Ice to Oceanic Heat in the Eastern Arctic Ocean. Journal of Climate, 2020, 33, 8107-8123.	1.2	82
4	Variability and Redistribution of Heat in the Atlantic Water Boundary Current North of Svalbard. Journal of Geophysical Research: Oceans, 2018, 123, 6373-6391.	1.0	78
5	Structure and variability of the boundary current in the Eurasian Basin of the Arctic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 101, 80-97.	0.6	59
6	Overview of the MOSAiC expedition: Physical oceanography. Elementa, 2022, 10, .	1.1	54
7	Kara Sea freshwater transport through Vilkitsky Strait: Variability, forcing, and further pathways toward the western Arctic Ocean from a model and observations. Journal of Geophysical Research: Oceans, 2015, 120, 4925-4944.	1.0	52
8	Correlation of river water and local seaâ€ice melting on the Laptev Sea shelf (Siberian Arctic). Journal of Geophysical Research: Oceans, 2013, 118, 550-561.	1.0	48
9	Variability and trends in Laptev Sea ice outflow between 1992â€“2011. Cryosphere, 2013, 7, 349-363.	1.5	48
10	Seasonal and interannual variability of fast ice extent in the southeastern <scp>L</scp>aptev <scp>S</scp>ea between 1999 and 2013. Journal of Geophysical Research: Oceans, 2015, 120, 7791-7806.	1.0	40
11	Seaâ€ice retreat controls timing of summer plankton blooms in the Eastern Arctic Ocean. Geophysical Research Letters, 2016, 43, 12,493.	1.5	39
12	The Pan-Arctic Continental Slope: Sharp Gradients of Physical Processes Affect Pelagic and Benthic Ecosystems. Frontiers in Marine Science, 2020, 7, .	1.2	37
13	Episodic warming of nearâ€bottom waters under the Arctic sea ice on the central Laptev Sea shelf. Geophysical Research Letters, 2016, 43, 264-272.	1.5	36
14	Some characteristics of Yakutat Eddies propagating along the continental slope of the northern Gulf of Alaska. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 2444-2459.	0.6	32
15	Semidiurnal Tides on the Laptev Sea Shelf with Implications for Shear and Vertical Mixing. Journal of Physical Oceanography, 2014, 44, 202-219.	0.7	32
16	Intensification of Nearâ€Surface Currents and Shear in the Eastern Arctic Ocean. Geophysical Research Letters, 2020, 47, e2020GL089469.	1.5	32
17	Impact of Siberian coastal polynyas on shelfâ€derived Arctic Ocean halocline waters. Journal of Geophysical Research, 2012, 117, .	3.3	30
18	Interannual variability of surface and bottom sediment transport on the Laptev Sea shelf during summer. Biogeosciences, 2013, 10, 1117-1129.	1.3	29

#	Article	IF	Citations
19	Sediment entrainment into sea ice and transport in the Transpolar Drift: A case study from the Laptev Sea in winter 2011/2012. Continental Shelf Research, 2017, 141, 1-10.	0.9	29
20	Heat loss from the Atlantic water layer in the northern Kara Sea: causes and consequences. Ocean Science, 2014, 10, 719-730.	1.3	28
21	Transport and transformation of riverine neodymium isotope and rare earth element signatures in high latitude estuaries: A case study from the Laptev Sea. Earth and Planetary Science Letters, 2017, 477, 205-217.	1.8	27
22	Observed interannual changes beneath Filchner-Ronne Ice Shelf linked to large-scale atmospheric circulation. Nature Communications, 2021, 12, 2961.	5.8	26
23	Crossâ€shelf transport of warm and saline water in response to sea ice drift on the Laptev Sea shelf. Journal of Geophysical Research: Oceans, 2013, 118, 563-576.	1.0	25
24	On the nature of winter cooling and the recent temperature shift on the northern Gulf of Alaska shelf. Journal of Geophysical Research, 2010, 115, .	3.3	23
25	FRIS Revisited in 2018: On the Circulation and Water Masses at the Filchner and Ronne Ice Shelves in the Southern Weddell Sea. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017269.	1.0	23
26	Circulation in the northwest <scp>L</scp>aptev <scp>S</scp>ea in the eastern <scp>A</scp>rctic <scp>O</scp>cean: Crossroads between <scp>S</scp>iberian <scp>R</scp>iver water, <scp>A</scp>tlantic water and polynyaâ€formed dense water. Journal of Geophysical Research: Oceans, 2017, 122, 6630-6647.	1.0	22
27	Exceptionally Warm and Prolonged Flow of Warm Deep Water Toward the Filchnerâ€Ronne Ice Shelf in 2017. Geophysical Research Letters, 2020, 47, e2020GL088119.	1.5	20
28	Oceanographic and demographic mechanisms affecting population structure of snow crabs in the northern Bering Sea. Marine Ecology - Progress Series, 2015, 518, 193-208.	0.9	19
29	Satellite-based sea ice thickness changes in the Laptev Sea from 2002 to 2017: comparison to mooring observations. Cryosphere, 2020, 14, 2189-2203.	1.5	19
30	On the Variability of Stratification in the Freshwater-Influenced Laptev Sea Region. Frontiers in Marine Science, 2020, 7, .	1.2	17
31	Semidiurnal tides in the Laptev Sea Shelf zone in the summer season. Continental Shelf Research, 2014, 73, 119-132.	0.9	14
32	Assessing the Influence of Water Constituents on the Radiative Heating of Laptev Sea Shelf Waters. Frontiers in Marine Science, 2019, 6, .	1.2	14
33	Arctic tidal current atlas. Scientific Data, 2020, 7, 275.	2.4	14
34	Turbulent Mixing and the Formation of an Intermediate Nepheloid Layer Above the Siberian Continental Shelf Break. Geophysical Research Letters, 2021, 48, e2021GL092988.	1.5	13
35	From pole to pole: 33Âyears of physical oceanography onboard R/V <i>Polarstern</i>. Earth System Science Data, 2017, 9, 211-220.	3.7	13
36	On the Alongâ€Slope Heat Loss of the Boundary Current in the Eastern Arctic Ocean. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016375.	1.0	12

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37	Amplified Arctic Surface Warming and Sea Ice Loss Due to Phytoplankton and Colored Dissolved Material. Geophysical Research Letters, 2020, 47, e2020GL088795.	1.5	11
38	Oceanic Routing of Wind-Sourced Energy Along the Arctic Continental Shelves. Frontiers in Marine Science, 2020, 7, .	1.2	11
39	Impact of wind and tides on the Lena River freshwater plume dynamics in the summer season. Ocean Dynamics, 2015, 65, 951-968.	0.9	9
40	Increasing Nutrient Fluxes and Mixing Regime Changes in the Eastern Arctic Ocean. Geophysical Research Letters, 2022, 49, .	1.5	6
41	Eddies and the Distribution of Eddy Kinetic Energy in the Arctic Ocean. Oceanography, 2022, , .	0.5	6
42	Airâ€sea and oceanic heat flux contributions to the heat budget of the northern Gulf of Alaska shelf. Journal of Geophysical Research: Oceans, 2013, 118, 1807-1820.	1.0	5
43	The impact of the freezeâ€“melt cycle of land-fast ice on the distribution of dissolved organic matter in the Laptev and East Siberian seas (Siberian Arctic). Biogeosciences, 2021, 18, 3637-3655.	1.3	4
44	An Adaptive Approach to Derive Sea Ice Draft from Upward-Looking Acoustic Doppler Current Profilers (ADCPs), Validated by Upward-Looking Sonar (ULS) Data. Remote Sensing, 2021, 13, 4335.	1.8	3
45	Role of hydrometeorological factors and solar activity in interannual variability of ice extent in the East Siberian Sea. Led I Sneg, 2019, 59, 222-232.	0.1	0