

# Andrey Proshutinsky

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

4,826  
citations

94269

37  
h-index

106150

65  
g-index

73  
all docs

73  
docs citations

73  
times ranked

3750  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pacific Ocean inflow: Influence on catastrophic reduction of sea ice cover in the Arctic Ocean. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	427
2	Beaufort Gyre freshwater reservoir: State and variability from observations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	364
3	The role of the Beaufort Gyre in Arctic climate variability: Seasonal to decadal climate scales. <i>Geophysical Research Letters</i> , 2002, 29, 15-1-15-4.	1.5	260
4	Maritime Aerosol Network as a component of Aerosol Robotic Network. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	258
5	Rapid change in freshwater content of the Arctic Ocean. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	193
6	Automated Ice-Tethered Profilers for Seawater Observations under Pack Ice in All Seasons. <i>Journal of Atmospheric and Oceanic Technology</i> , 2008, 25, 2091-2105.	0.5	185
7	The Ice-Tethered Profiler: Argo of the Arctic. <i>Oceanography</i> , 2011, 24, 126-135.	0.5	183
8	Influences of the ocean surface mixed layer and thermohaline stratification on Arctic Sea ice in the central Canada Basin. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	179
9	Deterioration of perennial sea ice in the Beaufort Gyre from 2003 to 2012 and its impact on the oceanic freshwater cycle. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1271-1305.	1.0	166
10	Arctic circulation regimes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140160.	1.6	141
11	Mechanisms of Pacific Summer Water variability in the Arctic's Central Canada Basin. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 7523-7548.	1.0	134
12	Halocline structure in the Canada Basin of the Arctic Ocean. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	116
13	Eddies in the Canada Basin, Arctic Ocean, Observed from Ice-Tethered Profilers. <i>Journal of Physical Oceanography</i> , 2008, 38, 133-145.	0.7	113
14	Analysis of the Beaufort Gyre Freshwater Content in 2003â€“2018. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 9658-9689.	1.0	103
15	Characterizing the eddy field in the Arctic Ocean halocline. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 8800-8817.	1.0	98
16	Sea ice drift in the Arctic since the 1950s. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	88
17	Freshwater content variability in the Arctic Ocean. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	87
18	Surface freshening in the Arctic Ocean's Eurasian Basin: An apparent consequence of recent change in the wind-driven circulation. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	83

#	ARTICLE	IF	CITATIONS
19	Remote climate forcing of decadal-scale regime shifts in Northwest Atlantic shelf ecosystems. <i>Limnology and Oceanography</i> , 2013, 58, 803-816.	1.6	78
20	Arctic pathways of Pacific Water: Arctic Ocean Model Intercomparison experiments. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 27-59.	1.0	77
21	A new high-resolution unstructured grid finite volume Arctic Ocean model (AO-FVCOM): An application for tidal studies. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	70
22	The Rapid Response of the Canada Basin to Climate Forcing: From Bellwether to Alarm Bells. <i>Oceanography</i> , 2011, 24, 146-159.	0.5	69
23	Role of tides in Arctic ocean/ice climate. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	67
24	Greenland freshwater pathways in the sub-Arctic Seas from model experiments with passive tracers. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 877-907.	1.0	67
25	Evaluation of Arctic sea ice thickness simulated by Arctic Ocean Model Intercomparison Project models. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	66
26	Secular sea level change in the Russian sector of the Arctic Ocean. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	63
27	The Atlantic Water boundary current in the Norwegian Basin: Transport and mechanisms of lateral exchange. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 6946-6960.	1.0	57
28	Penetration of the 1990s warm temperature anomaly of Atlantic Water in the Canada Basin. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	56
29	Arctic decadal variability: An auto-oscillatory system of heat and fresh water exchange. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	53
30	Comparing modeled streamfunction, heat and freshwater content in the Arctic Ocean. <i>Ocean Modelling</i> , 2004, 6, 265-284.	1.0	49
31	Recent Advances in Arctic Ocean Studies Employing Models from the Arctic Ocean Model Intercomparison Project. <i>Oceanography</i> , 2011, 24, 102-113.	0.5	49
32	Role of Greenland Freshwater Anomaly in the Recent Freshening of the Subpolar North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 3333-3360.	1.0	48
33	Multinational effort studies differences among Arctic Ocean models. <i>Eos</i> , 2001, 82, 637-637.	0.1	46
34	Freshwater Storage in the Northern Ocean and the Special Role of the Beaufort Gyre. , 2008, , 145-169.		45
35	Sea level rise in the Arctic Ocean. <i>Geophysical Research Letters</i> , 2001, 28, 2237-2240.	1.5	41
36	Arctic ocean study: Synthesis of model results and observations. <i>Eos</i> , 2005, 86, 368.	0.1	41

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37	Seasonally derived components of the Canada Basin halocline. <i>Geophysical Research Letters</i> , 2017, 44, 5008-5015.	1.5	41
38	Sea level variability in the Arctic Ocean from AOMIP models. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	40
39	Investigation of the summer Kara Sea circulation employing a variational data assimilation technique. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	36
40	Reconstruction and analysis of the Chukchi Sea circulation in 1990â€“1991. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34
41	Tsunamiâ€“tide interactions: A Cook Inlet case study. <i>Continental Shelf Research</i> , 2010, 30, 633-642.	0.9	33
42	Atmospheric forcing validation for modeling the central Arctic. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	30
43	Diffusive vertical heat flux in the Canada Basin of the Arctic Ocean inferred from moored instruments. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 496-508.	1.0	27
44	Skill metrics for evaluation and comparison of sea ice models. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 5910-5931.	1.0	26
45	Ice-tethered profilers sample the upper Arctic Ocean. <i>Eos</i> , 2006, 87, 434.	0.1	24
46	Dynamics of an idealized Beaufort Gyre: 1. The effect of a small beta and lack of western boundaries. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 1249-1261.	1.0	24
47	Forum for Arctic Modeling and Observational Synthesis (FAMOS): Past, current, and future activities. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 3803-3819.	1.0	23
48	â€œClimate response functionsâ€“for the Arctic Ocean: a proposed coordinated modelling experiment. <i>Geoscientific Model Development</i> , 2017, 10, 2833-2848.	1.3	23
49	Two Regimes of the Arctic's Circulation from Ocean Models with Ice and Contaminants. <i>Marine Pollution Bulletin</i> , 2001, 43, 61-70.	2.3	22
50	Arctic decadal variability from an idealized atmosphere-ice-ocean model: 2. Simulation of decadal oscillations. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	22
51	Greenland's Island Rule and the Arctic Ocean circulation. <i>Journal of Marine Research</i> , 2007, 65, 639-653.	0.3	22
52	Temporal and spatial dependence of a yearlong record of sound propagation from the Canada Basin to the Chukchi Shelf. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 1663-1680.	0.5	22
53	Preface to special section on Arctic Ocean Model Intercomparison Project (AOMIP) Studies and Results. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	21
54	Introduction to Special Collection on Arctic Ocean Modeling and Observational Synthesis (FAMOS) 2: Beaufort Gyre Phenomenon. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015400.	1.0	20

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55	Preface to special section on Beaufort Gyre Climate System Exploration Studies: Documenting key parameters to understand environmental variability. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	17
56	Moored observations of bottom-intensified motions in the deep Canada Basin, Arctic Ocean. <i>Journal of Marine Research</i> , 2010, 68, 625-641.	0.3	17
57	On the Origin of Water Masses in the Beaufort Gyre. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4696-4709.	1.0	14
58	Inorganic Carbon and $\text{CO}_2$ Variability During Ice Formation in the Beaufort Gyre of the Canada Basin. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4017-4028.	1.0	12
59	Arctic decadal variability from an idealized atmosphere-ice-ocean model: 1. Model description, calibration, and validation. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	10
60	An energy-diagnostics intercomparison of coupled ice-ocean Arctic models. <i>Ocean Modelling</i> , 2006, 11, 1-27.	1.0	7
61	An array of ice-based observatories for Arctic studies. <i>Eos</i> , 2004, 85, 484.	0.1	4
62	Toward Reducing Uncertainties in Arctic Climate Simulations. <i>Eos</i> , 2008, 89, 150-152.	0.1	4
63	Understanding climatic controls on sea-ice transport pathways in the Arctic Ocean. <i>Annals of Glaciology</i> , 2001, 33, 551-554.	2.8	3
64	Time scales of the Greenland Freshwater Anomaly in the Subpolar North Atlantic. <i>Journal of Climate</i> , 2021, , 1-58.	1.2	3
65	In a Spin: New Insights into the Beaufort Gyre. <i>Eos</i> , 2019, 100, .	0.1	2
66	THE CRCES WORKSHOP ON DECADAL CLIMATE VARIABILITY. <i>Bulletin of the American Meteorological Society</i> , 2006, 87, 1223-1226.	1.7	1
67	Thank You to Our 2017 Peer Reviewers. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6042-6052.	1.0	0
68	AOMIP and FAMOS for Enhancing Understanding of Arctic Changes. <i>Eos</i> , 2016, 97, .	0.1	0