

Andrey Proshutinsky

List of Publications by Year in descending order

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68
papers

4,826
citations

94433

37
h-index

106344

65
g-index

73
all docs

73
docs citations

73
times ranked

3750
citing authors

#	ARTICLE	IF	CITATIONS
1	Time scales of the Greenland Freshwater Anomaly in the Subpolar North Atlantic. <i>Journal of Climate</i> , 2021, , 1-58.	3.2	3
2	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.	2.6	20
3	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.	1.1	22
4	Inorganic Carbon and 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.	2.6	12
5	On the Origin of Water Masses in the Beaufort Gyre. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4696-4709.	2.6	14
6	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.	2.6	48
7	Analysis of the Beaufort Gyre Freshwater Content in 2003–2018. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 9658-9689.	2.6	103
8	In a Spin: New Insights into the Beaufort Gyre. <i>Eos</i> , 2019, 100, .	0.1	2
9	Thank You to Our 2017 Peer Reviewers. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6042-6052.	2.6	0
10	Seasonally derived components of the Canada Basin halocline. <i>Geophysical Research Letters</i> , 2017, 44, 5008-5015.	4.0	41
11	“Climate response functions” for the Arctic Ocean: a proposed coordinated modelling experiment. <i>Geoscientific Model Development</i> , 2017, 10, 2833-2848.	3.6	23
12	The Atlantic Water boundary current in the Nansen Basin: Transport and mechanisms of lateral exchange. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 6946-6960.	2.6	57
13	Arctic pathways of Pacific Water: Arctic Ocean Model Intercomparison experiments. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 27-59.	2.6	77
14	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.	2.6	24
15	Forum for Arctic Modeling and Observational Synthesis (FAMOS): Past, current, and future activities. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 3803-3819.	2.6	23
16	Greenland freshwater pathways in the subarctic seas from model experiments with passive tracers. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 877-907.	2.6	67
17	AOMIP and FAMOS for Enhancing Understanding of Arctic Changes. <i>Eos</i> , 2016, 97, .	0.1	0
18	Skill metrics for evaluation and comparison of sea ice models. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 5910-5931.	2.6	26

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19	Arctic circulation regimes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140160.	3.4	141
20	Mechanisms of Pacific Summer Water variability in the Arctic's Central Canada Basin. Journal of Geophysical Research: Oceans, 2014, 119, 7523-7548.	2.6	134
21	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
22	Characterizing the eddy field in the Arctic Ocean halocline. Journal of Geophysical Research: Oceans, 2014, 119, 8800-8817.	2.6	98
23	Deterioration of perennial sea ice in the Beaufort Gyre from 2003 to 2012 and its impact on the oceanic freshwater cycle. Journal of Geophysical Research: Oceans, 2014, 119, 1271-1305.	2.6	166
24	Remote climate forcing of decadal-scale regime shifts in Northwest Atlantic shelf ecosystems. Limnology and Oceanography, 2013, 58, 803-816.	3.1	78
25	Evaluation of Arctic sea ice thickness simulated by Arctic Ocean Model Intercomparison Project models. Journal of Geophysical Research, 2012, 117, .	3.3	66
26	Surface freshening in the Arctic Ocean's Eurasian Basin: An apparent consequence of recent change in the wind-driven circulation. Journal of Geophysical Research, 2011, 116, .	3.3	83
27	The Rapid Response of the Canada Basin to Climate Forcing: From Bellwether to Alarm Bells. Oceanography, 2011, 24, 146-159.	1.0	69
28	The Ice-Tethered Profiler: Argo of the Arctic. Oceanography, 2011, 24, 126-135.	1.0	183
29	Recent Advances in Arctic Ocean Studies Employing Models from the Arctic Ocean Model Intercomparison Project. Oceanography, 2011, 24, 102-113.	1.0	49
30	Moored observations of bottom-intensified motions in the deep Canada Basin, Arctic Ocean. Journal of Marine Research, 2010, 68, 625-641.	0.3	17
31	Reconstruction and analysis of the Chukchi Sea circulation in 1990-1991. Journal of Geophysical Research, 2010, 115, .	3.3	34
32	Tsunami-tide interactions: A Cook Inlet case study. Continental Shelf Research, 2010, 30, 633-642.	1.8	33
33	Influences of the ocean surface mixed layer and thermohaline stratification on Arctic Sea ice in the central Canada Basin. Journal of Geophysical Research, 2010, 115, .	3.3	179
34	A new high-resolution unstructured grid finite volume Arctic Ocean model (AO-FVCOM): An application for tidal studies. Journal of Geophysical Research, 2009, 114, .	3.3	70
35	Beaufort Gyre freshwater reservoir: State and variability from observations. Journal of Geophysical Research, 2009, 114, .	3.3	364
36	Maritime Aerosol Network as a component of Aerosol Robotic Network. Journal of Geophysical Research, 2009, 114, .	3.3	258

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37	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
38	Rapid change in freshwater content of the Arctic Ocean. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	193
39	Toward Reducing Uncertainties in Arctic Climate Simulations. <i>Eos</i> , 2008, 89, 150-152.	0.1	4
40	Sea ice drift in the Arctic since the 1950s. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	88
41	Eddies in the Canada Basin, Arctic Ocean, Observed from Ice-Tethered Profilers. <i>Journal of Physical Oceanography</i> , 2008, 38, 133-145.	1.7	113
42	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.	1.3	185
43	Freshwater Storage in the Northern Ocean and the Special Role of the Beaufort Gyre. , 2008, , 145-169.		45
44	Greenland's Island Rule and the Arctic Ocean circulation. <i>Journal of Marine Research</i> , 2007, 65, 639-653.	0.3	22
45	Role of tides in Arctic ocean/ice climate. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	67
46	Investigation of the summer Kara Sea circulation employing a variational data assimilation technique. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	36
47	Sea level variability in the Arctic Ocean from AOMIP models. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	40
48	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
49	Atmospheric forcing validation for modeling the central Arctic. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	30
50	Pacific Ocean inflow: Influence on catastrophic reduction of sea ice cover in the Arctic Ocean. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	427
51	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
52	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
53	Ice-tethered profilers sample the upper Arctic Ocean. <i>Eos</i> , 2006, 87, 434.	0.1	24
54	An energy-diagnostics intercomparison of coupled ice-ocean Arctic models. <i>Ocean Modelling</i> , 2006, 11, 1-27.	2.4	7

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55	THE CRCES WORKSHOP ON DECADEAL CLIMATE VARIABILITY. Bulletin of the American Meteorological Society, 2006, 87, 1223-1226.	3.3	1
56	Halocline structure in the Canada Basin of the Arctic Ocean. Geophysical Research Letters, 2005, 32, .	4.0	116
57	Arctic ocean study: Synthesis of model results and observations. Eos, 2005, 86, 368.	0.1	41
58	Arctic decadal variability: An auto-oscillatory system of heat and fresh water exchange. Geophysical Research Letters, 2004, 31, .	4.0	53
59	Secular sea level change in the Russian sector of the Arctic Ocean. Journal of Geophysical Research, 2004, 109, .	3.3	63
60	An array of ice-based observatories for Arctic studies. Eos, 2004, 85, 484.	0.1	4
61	Penetration of the 1990s warm temperature anomaly of Atlantic Water in the Canada Basin. Geophysical Research Letters, 2004, 31, .	4.0	56
62	Comparing modeled streamfunction, heat and freshwater content in the Arctic Ocean. Ocean Modelling, 2004, 6, 265-284.	2.4	49
63	Freshwater content variability in the Arctic Ocean. Journal of Geophysical Research, 2004, 109, .	3.3	87
64	The role of the Beaufort Gyre in Arctic climate variability: Seasonal to decadal climate scales. Geophysical Research Letters, 2002, 29, 15-1-15-4.	4.0	260
65	Multinational effort studies differences among Arctic Ocean models. Eos, 2001, 82, 637-637.	0.1	46
66	Sea level rise in the Arctic Ocean. Geophysical Research Letters, 2001, 28, 2237-2240.	4.0	41
67	Understanding climatic controls on sea-ice transport pathways in the Arctic Ocean. Annals of Glaciology, 2001, 33, 551-554.	1.4	3
68	Two Regimes of the Arctic's Circulation from Ocean Models with Ice and Contaminants. Marine Pollution Bulletin, 2001, 43, 61-70.	5.0	22