

# Rebecca A Woodgate

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

5,407  
citations

172386

29  
h-index

414303

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

3965  
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	Circulation on the north central Chukchi Sea shelf. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 3150-3174.	0.6	346
3	The 2007 Bering Strait oceanic heat flux and anomalous Arctic sea ice retreat. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	335
4	Arctic freshwater export: Status, mechanisms, and prospects. <i>Global and Planetary Change</i> , 2015, 125, 13-35.	1.6	327
5	A year in the physical oceanography of the Chukchi Sea: Moored measurements from autumn 1990 to 1991. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 3116-3149.	0.6	325
6	Increases in the Pacific inflow to the Arctic from 1990 to 2015, and insights into seasonal trends and driving mechanisms from year-round Bering Strait mooring data. <i>Progress in Oceanography</i> , 2018, 160, 124-154.	1.5	310
7	Revising the Bering Strait freshwater flux into the Arctic Ocean. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	306
8	Observed increases in Bering Strait oceanic fluxes from the Pacific to the Arctic from 2001 to 2011 and their impacts on the Arctic Ocean water column. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	306
9	Analysis of the Arctic System for Freshwater Cycle Intensification: Observations and Expectations. <i>Journal of Climate</i> , 2010, 23, 5715-5737.	1.2	303
10	Monthly temperature, salinity, and transport variability of the Bering Strait through flow. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	292
11	Interannual changes in the Bering Strait fluxes of volume, heat and freshwater between 1991 and 2004. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	239
12	The arctic freshwater system: Changes and impacts. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	203
13	Seasonal and interannual variability of pan-Arctic surface mixed layer properties from 1979 to 2012 from hydrographic data, and the dominance of stratification for multiyear mixed layer depth shoaling. <i>Progress in Oceanography</i> , 2015, 134, 19-53.	1.5	183
14	Coupled wind-forced controls of the Bering to Chukchi shelf circulation and the Bering Strait throughflow: Ekman transport, continental shelf waves, and variations of the Pacific to Arctic sea surface height gradient. <i>Progress in Oceanography</i> , 2014, 125, 40-61.	1.5	150
15	A Synthesis of Year-Round Interdisciplinary Mooring Measurements in the Bering Strait (1990 to 2014) and the RUSALCA Years (2004 to 2011). <i>Oceanography</i> , 2015, 28, 46-67.	0.5	132
16	Observations of internal wave generation in the seasonally ice-free Arctic. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	129
17	Variability, trends, and predictability of seasonal sea ice retreat and advance in the Chukchi Sea. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7308-7325.	1.0	109
18	Some controls on flow and salinity in Bering Strait. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	107

#	ARTICLE	IF	CITATIONS
19	Sea Ice Response to Atmospheric and Oceanic Forcing in the Bering Sea. <i>Journal of Physical Oceanography</i> , 2010, 40, 1729-1747.	0.7	100
20	Pacific ventilation of the Arctic Ocean's lower halocline by upwelling and diapycnal mixing over the continental margin. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	94
21	Arctic Mediterranean exchanges: a consistent volume budget and trends in transports from two decades of observations. <i>Ocean Science</i> , 2019, 15, 379-399.	1.3	93
22	Upwelling in the Alaskan Beaufort Sea: Atmospheric forcing and local versus non-local response. <i>Progress in Oceanography</i> , 2011, 88, 78-100.	1.5	82
23	Fate of Early 2000s Arctic Warm Water Pulse. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 561-566.	1.7	81
24	Atlantic water circulation over the Mendeleev Ridge and Chukchi Borderland from thermohaline intrusions and water mass properties. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	74
25	Flow Patterns in the Eastern Chukchi Sea: 2010â€“2015. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1177-1195.	1.0	71
26	Warming and Freshening of the Pacific Inflow to the Arctic From 1990â€“2019 Implying Dramatic Shoaling in Pacific Winter Water Ventilation of the Arctic Water Column. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092528.	1.5	70
27	The Dominant Role of the East Siberian Sea in Driving the Oceanic Flow Through the Bering Straitâ€“Conclusions From GRACE Ocean Mass Satellite Data and In Situ Mooring Observations Between 2002 and 2016. <i>Geophysical Research Letters</i> , 2017, 44, 11,472.	1.5	43
28	Seasonal modification of the Arctic Ocean intermediate water layer off the eastern Laptev Sea continental shelf break. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	36
29	Monthly Variability in Bering Strait Oceanic Volume and Heat Transports, Links to Atmospheric Circulation and Ocean Temperature, and Implications for Sea Ice Conditions. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 9317-9337.	1.0	34
30	Estimation of heat flux through the eastern Bering Strait. <i>Journal of Oceanography</i> , 2010, 66, 405-424.	0.7	27
31	Elucidating Largeâ€“Scale Atmospheric Controls on Bering Strait Throughflow Variability Using a Dataâ€“Constrained Ocean Model and Its Adjoint. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016213.	1.0	13
32	Mean and Seasonal Circulation of the Eastern Chukchi Sea From Moored Timeseries in 2013â€“2014. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016863.	1.0	9