

N Penny Holliday

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7053259/publications.pdf>

Version: 2024-02-01

69
papers

3,065
citations

159525

30
h-index

168321

53
g-index

72
all docs

72
docs citations

72
times ranked

3360
citing authors

#	ARTICLE	IF	CITATIONS
1	A sea change in our view of overturning in the subpolar North Atlantic. <i>Science</i> , 2019, 363, 516-521.	6.0	333
2	Reversal of the 1960s to 1990s freshening trend in the northeast North Atlantic and Nordic Seas. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	202
3	Overturning in the Subpolar North Atlantic Program: A New International Ocean Observing System. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 737-752.	1.7	173
4	The North Atlantic subpolar circulation in an eddy-resolving global ocean model. <i>Journal of Marine Systems</i> , 2015, 142, 126-143.	0.9	145
5	Ocean circulation causes the largest freshening event for 120 years in eastern subpolar North Atlantic. <i>Nature Communications</i> , 2020, 11, 585.	5.8	142
6	Water mass properties and fluxes in the Rockall Trough, 1975â€“1998. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2000, 47, 1303-1332.	0.6	136
7	Atlantic Meridional Overturning Circulation: Observed Transport and Variability. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	120
8	Pulses in the eastern margin current and warmer water off the north west European shelf linked to North Sea ecosystem changes. <i>Marine Ecology - Progress Series</i> , 2001, 215, 283-287.	0.9	89
9	Surface oceanic fronts between Africa and Antarctica. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1998, 45, 217-238.	0.6	74
10	Air-sea interaction and circulation changes in the northeast Atlantic. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	68
11	Transformation of the Labrador Sea Water in the subpolar North Atlantic. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	64
12	Polar outflow from the Arctic Ocean: A high resolution model study. <i>Journal of Marine Systems</i> , 2010, 83, 14-37.	0.9	62
13	Circulation and Transport in the Western Boundary Currents at Cape Farewell, Greenland. <i>Journal of Physical Oceanography</i> , 2009, 39, 1854-1870.	0.7	60
14	Multi-decadal variability and trends in the temperature of the northwest European continental shelf: A model-data synthesis. <i>Progress in Oceanography</i> , 2012, 106, 96-117.	1.5	60
15	Water masses and circulation pathways through the Iceland Basin during Vivaldi 1996. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	58
16	Observational program tracks Arctic Ocean transition to a warmer state. <i>Eos</i> , 2007, 88, 398-399.	0.1	58
17	Retroflexion of part of the east Greenland current at Cape Farewell. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	57
18	Multidecadal variability of potential temperature, salinity, and transport in the eastern subpolar North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 5945-5967.	1.0	55

#	ARTICLE	IF	CITATIONS
19	Were extreme waves in the Rockall Trough the largest ever recorded?. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	54
20	Large-scale physical controls on phytoplankton growth in the Irminger Sea Part I: Hydrographic zones, mixing and stratification. <i>Journal of Marine Systems</i> , 2006, 59, 201-218.	0.9	54
21	Seasonal variability of the East Greenland Coastal Current. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3967-3987.	1.0	51
22	Spatial demography of <i>Calanus finmarchicus</i> in the Irminger Sea. <i>Progress in Oceanography</i> , 2008, 76, 39-88.	1.5	47
23	Subpolar North Atlantic western boundary density anomalies and the Meridional Overturning Circulation. <i>Nature Communications</i> , 2021, 12, 3002.	5.8	47
24	Intra-seasonal variability of the DWBC in the western subpolar North Atlantic. <i>Progress in Oceanography</i> , 2015, 132, 233-249.	1.5	46
25	Subpolar North Atlantic Overturning and Gyreâ€Scale Circulation in the Summers of 2014 and 2016. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 4538-4559.	1.0	44
26	Regional and temporal variation of <i>Oithona</i> spp. biomass, stage structure and productivity in the Irminger Sea, North Atlantic. <i>Journal of Plankton Research</i> , 2007, 29, 1051-1070.	0.8	41
27	Local and Downstream Relationships between Labrador Sea Water Volume and North Atlantic Meridional Overturning Circulation Variability. <i>Journal of Climate</i> , 2019, 32, 3883-3898.	1.2	41
28	Large-scale physical controls on phytoplankton growth in the Irminger Sea, Part II: Model study of the physical and meteorological preconditioning. <i>Journal of Marine Systems</i> , 2006, 59, 219-237.	0.9	34
29	Seasonality of Freshwater in the East Greenland Current System From 2014 to 2016. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 8828-8848.	1.0	34
30	Recent multivariate changes in the North Atlantic climate system, with a focus on 2005â€2016. <i>International Journal of Climatology</i> , 2018, 38, 5050-5076.	1.5	34
31	External and internal control of winter concentrations of nutrients (N, P and Si) in north-west European shelf seas. <i>Estuarine, Coastal and Shelf Science</i> , 2004, 59, 151-161.	0.9	33
32	Role of ciliates and other microzooplankton in the Irminger Sea (NW Atlantic Ocean). <i>Marine Ecology - Progress Series</i> , 2010, 411, 101-115.	0.9	33
33	Freshwater control of onset and species composition of Greenland shelf spring bloom. <i>Marine Ecology - Progress Series</i> , 2005, 288, 45-57.	0.9	32
34	Meridional heat transport variability induced by mesoscale processes in the subpolar North Atlantic. <i>Nature Communications</i> , 2018, 9, 1124.	5.8	29
35	Rapid Export of Waters Formed by Convection Near the Irminger Sea's Western Boundary. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085989.	1.5	29
36	Is there a connection between high transport of water through the Rockall Trough and ecological changes in the North Sea?. <i>ICES Journal of Marine Science</i> , 2001, 58, 270-274.	1.2	27

#	ARTICLE	IF	CITATIONS
37	Unusual subpolar North Atlantic phytoplankton bloom in 2010: Volcanic fertilization or North Atlantic Oscillation?. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4771-4780.	1.0	25
38	Factors Controlling the Abundance and Size Distribution of the Phototrophic Ciliate <i>Myrionecta rubra</i> in Open Waters of the North Atlantic. <i>Journal of Eukaryotic Microbiology</i> , 2008, 55, 457-465.	0.8	24
39	Intensified turbulent mixing in the boundary current system of southern Greenland. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	24
40	The History of the Labrador Sea Water: Production, Spreading, Transformation and Loss. , 2008, , 569-612.		24
41	Distinct sources of interannual subtropical and subpolar Atlantic overturning variability. <i>Nature Geoscience</i> , 2021, 14, 491-495.	5.4	23
42	Variability in the ICES/NAFO region between 1950 and 2009: observations from the ICES Report on Ocean Climate. <i>ICES Journal of Marine Science</i> , 2012, 69, 706-719.	1.2	22
43	Comparison of in situ time-series of temperature with gridded sea surface temperature datasets in the North Atlantic. <i>ICES Journal of Marine Science</i> , 2009, 66, 1467-1479.	1.2	21
44	The impact of changes in North Atlantic Gyre distribution on water mass characteristics in the Rockall Trough. <i>ICES Journal of Marine Science</i> , 2012, 69, 751-757.	1.2	21
45	Arctic Ocean and Hudson Bay Freshwater Exports: New Estimates from Seven Decades of Hydrographic Surveys on the Labrador Shelf. <i>Journal of Climate</i> , 2020, 33, 8849-8868.	1.2	21
46	Observation-based estimates of heat and freshwater exchanges from the subtropical North Atlantic to the Arctic. <i>Progress in Oceanography</i> , 2021, 197, 102640.	1.5	17
47	A review of the deep and surface currents around Eirik Drift, south of Greenland: Comparison of the past with the present. <i>Global and Planetary Change</i> , 2011, 79, 244-254.	1.6	16
48	How Much Arctic Fresh Water Participates in the Subpolar Overturning Circulation?. <i>Journal of Physical Oceanography</i> , 2021, 51, 955-973.	0.7	14
49	Composition of freshwater in the spring of 2014 on the southern Labrador shelf and slope. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 1102-1121.	1.0	13
50	Insights into Decadal North Atlantic Sea Surface Temperature and Ocean Heat Content Variability from an Eddy-Permitting Coupled Climate Model. <i>Journal of Climate</i> , 2019, 32, 6137-6161.	1.2	12
51	Interannual variability of the northwestern Iberia deep ocean: Response to large-scale North Atlantic forcing. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 832-847.	1.0	11
52	Simulating pathways of subsurface oil in the Faroese-Shetland Channel using an ocean general circulation model. <i>Marine Pollution Bulletin</i> , 2017, 114, 315-326.	2.3	11
53	Transport Variability of the Irminger Sea Deep Western Boundary Current From a Mooring Array. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 3246-3278.	1.0	11
54	North Atlantic extratropical and subpolar gyre variability during the last 120 years: a gridded dataset of surface temperature, salinity, and density. Part 1: dataset validation and RMS variability. <i>Ocean Dynamics</i> , 2019, 69, 385-403.	0.9	11

#	ARTICLE	IF	CITATIONS
55	Transports and pathways of overflow water in the Rockall Trough. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 122, 48-59.	0.6	9
56	Multidecadal accumulation of anthropogenic and remineralized dissolved inorganic carbon along the Extended Ellett Line in the northeast Atlantic Ocean. Global Biogeochemical Cycles, 2016, 30, 293-310.	1.9	8
57	Seasonal Cycles of Oceanic Transports in the Eastern Subpolar North Atlantic. Journal of Geophysical Research: Oceans, 2018, 123, 1471-1484.	1.0	8
58	Importance of Boundary Processes for Heat Uptake in the Subpolar North Atlantic. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016366.	1.0	8
59	Observed Variability of the North Atlantic Current in the Rockall Trough From 4 Years of Mooring Measurements. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016403.	1.0	7
60	The Observation-Based Application of a Regional Thermohaline Inverse Method to Diagnose the Formation and Transformation of Water Masses North of the OSNAP Array from 2013 to 2015. Journal of Physical Oceanography, 2020, 50, 1533-1555.	0.7	7
61	A Regional Thermohaline Inverse Method for Estimating Circulation and Mixing in the Arctic and Subpolar North Atlantic. Journal of Atmospheric and Oceanic Technology, 2018, 35, 2383-2403.	0.5	5
62	Sources and Distribution of Fresh Water Around Cape Farewell in 2014. Journal of Geophysical Research: Oceans, 2019, 124, 9404-9416.	1.0	5
63	The ICES Working Group on Oceanic Hydrography: A Bridge From In-situ Sampling to the Remote Autonomous Observation Era. Frontiers in Marine Science, 2019, 6, .	1.2	4
64	Historical Reconstruction of Subpolar North Atlantic Overturning and Its Relationship to Density. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	4
65	Cyclonic eddies in the West Greenland Boundary Current System. Journal of Physical Oceanography, 2021, , .	0.7	3
66	Observed Deep Cyclonic Eddies around Southern Greenland. Journal of Physical Oceanography, 2021, , .	0.7	3
67	Rapid Communication of Upper Ocean Salinity Anomaly to Deep Waters of the Iceland Basin Indicates an AMOC Shortcut. Geophysical Research Letters, 2022, 49, .	1.5	3
68	The marine environment. , 2013, , 63-76.		2
69	A comparison of simultaneous measurements from shipboard VM-150 and OS-75 acoustic doppler current profilers. , 0, , .		0