

Steingr -mur J  nsson

List of Publications by Year in descending order

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47
papers

1,844
citations

304743

22
h-index

289244

40
g-index

55
all docs

55
docs citations

55
times ranked

1549
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate variability and the Icelandic marine ecosystem. Deep-Sea Research Part II: Topical Studies in Oceanography, 2007, 54, 2456-2477.	1.4	118
2	Measured volume, heat, and salt fluxes from the Atlantic to the Arctic Mediterranean. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	105
3	Interannual changes in the overflow from the Nordic Seas into the Atlantic Ocean through Denmark Strait. Geophysical Research Letters, 2005, 32, .	4.0	103
4	Significant role of the North Icelandic Jet in the formation of Denmark Strait overflow water. Nature Geoscience, 2011, 4, 723-727.	12.9	99
5	Variability of the Denmark Strait overflow: Moored time series from 1996–2011. Journal of Geophysical Research, 2012, 117, .	3.3	93
6	Arctic Mediterranean exchanges: a consistent volume budget and trends in transports from two decades of observations. Ocean Science, 2019, 15, 379-399.	3.4	93
7	A new path for the Denmark Strait overflow water from the Iceland Sea to Denmark Strait. Geophysical Research Letters, 2004, 31, .	4.0	91
8	The Inflow of Atlantic Water, Heat, and Salt to the Nordic Seas Across the Greenland–Scotland Ridge. , 2008, , 15-43.		76
9	Revised transport estimates of the Denmark Strait overflow. Journal of Geophysical Research: Oceans, 2017, 122, 3434-3450.	2.6	75
10	Increased ocean heat transport into the Nordic Seas and Arctic Ocean over the period 1993–2016. Nature Climate Change, 2021, 11, 21-26.	18.8	70
11	Upstream sources of the Denmark Strait Overflow: Observations from a high-resolution mooring array. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 112, 94-112.	1.4	66
12	Timing of deep convection in the Greenland and Iceland Seas. ICES Journal of Marine Science, 1997, 54, 300-309.	2.5	64
13	The flow of Atlantic water to the North Icelandic Shelf and its relation to the drift of cod larvae. ICES Journal of Marine Science, 2005, 62, 1350-1359.	2.5	57
14	Water mass transport variability to the North Icelandic shelf, 1994–2010. ICES Journal of Marine Science, 2012, 69, 809-815.	2.5	57
15	Spatial and temporal structure of the Denmark Strait Overflow revealed by acoustic observations. Ocean Dynamics, 2007, 57, 75-89.	2.2	53
16	Water mass transformation in the Iceland Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 101, 98-109.	1.4	47
17	Intra-seasonal variability of the DWBC in the western subpolar North Atlantic. Progress in Oceanography, 2015, 132, 233-249.	3.2	46
18	The Overflow Flux West of Iceland: Variability, Origins and Forcing. , 2008, , 443-474.		42

#	ARTICLE	IF	CITATIONS
19	Seasonal and interannual variability of wind stress curl over the Nordic Seas. <i>Journal of Geophysical Research</i> , 1991, 96, 2649-2659.	3.3	40
20	The East Greenland boundary current system south of Denmark Strait. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 63, 1-19.	1.4	33
21	Liquid freshwater transport estimates from the East Greenland Current based on continuous measurements north of Denmark Strait. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 93-109.	2.6	27
22	The structure and atmospheric forcing of the mesoscale velocity field in Fram Strait. <i>Journal of Geophysical Research</i> , 1992, 97, 12585-12600.	3.3	26
23	Volume flux and fresh water transport associated with the East Icelandic Current. <i>Progress in Oceanography</i> , 2007, 73, 231-241.	3.2	25
24	Connecting the Seas of Norden. <i>Nature Climate Change</i> , 2015, 5, 89-92.	18.8	25
25	The Emergence of the North Icelandic Jet and Its Evolution from Northeast Iceland to Denmark Strait. <i>Journal of Physical Oceanography</i> , 2019, 49, 2499-2521.	1.7	24
26	Improved transport estimate of the East Icelandic Current 2002–2012. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3407-3424.	2.6	23
27	Structure and Variability of the Shelfbreak East Greenland Current North of Denmark Strait. <i>Journal of Physical Oceanography</i> , 2017, 47, 2631-2646.	1.7	23
28	The North Icelandic Jet and its relationship to the North Icelandic Irminger Current. <i>Journal of Marine Research</i> , 2017, 75, 605-639.	0.3	22
29	Sea Changes Ashore : The Ocean and Iceland's Herring Capital. <i>Arctic</i> , 2004, 57, .	0.4	22
30	The Iceland Greenland Seas Project. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 1795-1817.	3.3	21
31	Exploring the structural and functional properties of the Lake Victoria food web, and the role of fisheries, using a mass balance model. <i>Ecological Modelling</i> , 2016, 342, 161-174.	2.5	20
32	On the Nature of the Mesoscale Variability in Denmark Strait. <i>Journal of Physical Oceanography</i> , 2017, 47, 567-582.	1.7	19
33	Freshwater Fluxes East of Greenland. , 2008, , 263-287.		15
34	Hydrography and circulation over the southern part of the Kolbeinsey Ridge. <i>ICES Journal of Marine Science</i> , 2012, 69, 1255-1262.	2.5	13
35	Along-Stream, Seasonal, and Interannual Variability of the North Icelandic Irminger Current and East Icelandic Current Around Iceland. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016283.	2.6	13
36	Attuning to a changing ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20363-20371.	7.1	9

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37	A Numerical Study of Interannual Variability in the North Icelandic Irminger Current. Journal of Geophysical Research: Oceans, 2018, 123, 8994-9009.	2.6	8
38	Measurement and analysis of currents along the Danish west coast. Ocean Dynamics, 1987, 40, 193-213.	0.2	7
39	Water mass exchanges between the Norwegian and Iceland seas over the Jan Mayen Ridge using in-situ current measurements. Journal of Marine Systems, 2014, 139, 227-240.	2.1	7
40	4. Recent developments in oceanographic research in icelandic waters. Developments in Quaternary Sciences, 2005, 5, 79-92.	0.1	6
41	Evolution and Transformation of the North Icelandic Irminger Current Along the North Iceland Shelf. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	5
42	Feasibility of seawater heat extraction from sub-Arctic coastal water; a case study of Onundarfjordur, northwest Iceland. Renewable Energy, 2019, 134, 95-102.	8.9	4
43	Impacts of a Changing Climate on Icelandic Marine Stocks. , 0, , 1-29.		4
44	Water mass transformation in the Iceland Sea: Contrasting two winters separated by four decades. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 186, 103824.	1.4	4
45	A comparison between wind stresses, based on geostrophically derived and observed winds, at Weather Ship M in the Norwegian sea. Deep-sea Research Part A, Oceanographic Research Papers, 1991, 38, 607-615.	1.5	3
46	Climate-Relevant Ocean Transport Measurements in the Atlantic and Arctic Oceans. Oceanography, 2021, , 10-11.	1.0	1
47	Water exchange, circulation and oxygen in a small fjord in Iceland in relation to events of massive herring mortality. Regional Studies in Marine Science, 2019, 32, 100859.	0.7	0