

Jan Erik Arndt

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,187
citations

516710

16
h-index

552781

26
g-index

42
all docs

42
docs citations

42
times ranked

3589
citing authors

#	ARTICLE	IF	CITATIONS
1	A new digital bathymetric model of the world's oceans. <i>Earth and Space Science</i> , 2015, 2, 331-345.	2.6	651
2	BedMachine v3: Complete Bed Topography and Ocean Bathymetry Mapping of Greenland From Multibeam Echo Sounding Combined With Mass Conservation. <i>Geophysical Research Letters</i> , 2017, 44, 11051-11061.	4.0	536
3	The International Bathymetric Chart of the Southern Ocean (IBCSO) Version 1.0â€”A new bathymetric compilation covering circumâ€”Antarctic waters. <i>Geophysical Research Letters</i> , 2013, 40, 3111-3117.	4.0	334
4	A global, high-resolution data set of ice sheet topography, cavity geometry, and ocean bathymetry. <i>Earth System Science Data</i> , 2016, 8, 543-557.	9.9	144
5	The International Bathymetric Chart of the Arctic Ocean Version 4.0. <i>Scientific Data</i> , 2020, 7, 176.	5.3	129
6	Bathymetry constrains ocean heat supply to Greenlandâ€™s largest glacier tongue. <i>Nature Geoscience</i> , 2020, 13, 227-231.	12.9	66
7	A new bathymetry of the Northeast Greenland continental shelf: Constraints on glacial and other processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3733-3753.	2.5	43
8	The last glaciation and deglaciation of the Northeast Greenland continental shelf revealed by hydro-acoustic data. <i>Quaternary Science Reviews</i> , 2017, 160, 45-56.	3.0	34
9	A new bathymetric compilation for the South Orkney Islands region, Antarctic Peninsula (49Â°â€”39Â°W) <i>Tj ETQq1 1 0.784314 rgBT</i> <i>Geophysics, Geosystems</i> , 2014, 15, 2494-2514.	2.5	29
10	The International Bathymetric Chart of the Southern Ocean Version 2. <i>Scientific Data</i> , 2022, 9, .	5.3	28
11	Revealing the former bed of Thwaites Glacier using sea-floor bathymetry: implications for warm-water routing and bed controls on ice flow and buttressing. <i>Cryosphere</i> , 2020, 14, 2883-2908.	3.9	27
12	Evidence for a dynamic grounding line in outer Filchner Trough, Antarctica, until the early Holocene. <i>Geology</i> , 2017, 45, 1035-1038.	4.4	21
13	The influence of the geomorphological and sedimentological settings on the distribution of epibenthic assemblages on a flat topped hill on the over-deepened shelf of the western Weddell Sea (Southern Ocean). <i>Biogeosciences</i> , 2014, 11, 3797-3817.	3.3	20
14	Bathymetric controls on calving processes at Pine Island Glacier. <i>Cryosphere</i> , 2018, 12, 2039-2050.	3.9	20
15	Morphological and geological features of Drake Passage, Antarctica, from a new digital bathymetric model. <i>Journal of Maps</i> , 2019, 15, 49-59.	2.0	19
16	Deep water paleoâ€”iceberg scouring on top of Hovgaard Ridgeâ€”Arctic Ocean. <i>Geophysical Research Letters</i> , 2014, 41, 5068-5074.	4.0	16
17	Deglaciation and future stability of the Coats Land ice margin, Antarctica. <i>Cryosphere</i> , 2018, 12, 2383-2399.	3.9	13
18	Marine geomorphological record of Ice Sheet development in East Greenland since the Last Glacial Maximum. <i>Journal of Quaternary Science</i> , 2018, 33, 853-864.	2.1	11

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19	The Southwest Indian Ocean Bathymetric Compilation (swIOBC). <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 968-976.	2.5	10
20	Slowdown of Circumpolar Deepwater flow during the Late Neogene: Evidence from a mudwave field at the Argentine continental slope. <i>Geophysical Research Letters</i> , 2014, 41, 2070-2076.	4.0	9
21	Past ice sheet–seabed interactions in the northeastern Weddell Sea embayment, Antarctica. <i>Cryosphere</i> , 2020, 14, 2115-2135.	3.9	7
22	Sea-floor and sea-ice conditions in the western Weddell Sea, Antarctica, around the wreck of Sir Ernest Shackleton's <i>Endurance</i> . <i>Antarctic Science</i> , 2020, 32, 301-313.	0.9	6
23	Deep water inflow slowed offshore expansion of the West Antarctic Ice Sheet at the Eocene-Oligocene transition. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	3
24	Geomorphology and shallow sub-sea-floor structures underneath the Ekstr�m Ice Shelf, Antarctica. <i>Cryosphere</i> , 2022, 16, 2051-2066.	3.9	2
25	Glacial lineations and recessional moraines on the continental shelf of NE Greenland. <i>Geological Society Memoir</i> , 2016, 46, 263-264.	1.7	1
26	Deep-water iceberg ploughmarks on Hovgaard Ridge, Fram Strait. <i>Geological Society Memoir</i> , 2016, 46, 285-286.	1.7	1