

Boris Dorschel

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,863
citations

236612

25
h-index

214527

47
g-index

58
all docs

58
docs citations

58
times ranked

3427
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.5	536
2	The Nippon Foundationâ€™s GEBCO Seabed 2030 Project: The Quest to See the Worldâ€™s Oceans Completely Mapped by 2030. <i>Geosciences (Switzerland)</i> , 2018, 8, 63.	1.0	252
3	Growth and erosion of a cold-water coral covered carbonate mound in the Northeast Atlantic during the Late Pleistocene and Holocene. <i>Earth and Planetary Science Letters</i> , 2005, 233, 33-44.	1.8	142
4	Seafloor Mapping â€“ The Challenge of a Truly Global Ocean Bathymetry. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	140
5	Widespread occurrence of the jellyfish <i>Pelagia noctiluca</i> in Irish coastal and shelf waters. <i>Journal of Plankton Research</i> , 2008, 30, 963-968.	0.8	136
6	The International Bathymetric Chart of the Arctic Ocean Version 4.0. <i>Scientific Data</i> , 2020, 7, 176.	2.4	129
7	Hydrodynamics and cold-water coral facies distribution related to recent sedimentary processes at Galway Mound west of Ireland. <i>Marine Geology</i> , 2007, 244, 184-195.	0.9	127
8	Environmental changes and growth history of a cold-water carbonate mound (Propeller Mound, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	0.9	117
9	Scleractinian cold-water corals in the Gulf of CÃ;dzâ€™ First clues about their spatial and temporal distribution. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 1873-1893.	0.6	112
10	The importance of the permanent thermocline to the cold water coral carbonate mound distribution in the NE Atlantic. <i>Earth and Planetary Science Letters</i> , 2010, 296, 395-402.	1.8	80
11	Carbonate budget of a cold-water coral carbonate mound: Propeller Mound, Porcupine Seabight. <i>International Journal of Earth Sciences</i> , 2007, 96, 73-83.	0.9	76
12	Preboreal onset of cold-water coral growth beyond the Arctic Circle revealed by coupled radiocarbon and U-series dating and neodymium isotopes. <i>Quaternary Science Reviews</i> , 2012, 34, 24-43.	1.4	71
13	Carbonate budget of a cold-water coral mound (Challenger Mound, IODP Exp. 307). <i>Marine Geology</i> , 2009, 259, 36-46.	0.9	69
14	Horizontal niche partitioning of humpback and fin whales around the West Antarctic Peninsula: evidence from a concurrent whale and krill survey. <i>Polar Biology</i> , 2016, 39, 799-818.	0.5	64
15	Ice-rafting from the Britishâ€™ Irish ice sheet since the earliest Pleistocene (2.6 million years ago): implications for long-term mid-latitude ice-sheet growth in the North Atlantic region. <i>Quaternary Science Reviews</i> , 2012, 44, 229-240.	1.4	63
16	Ocean Floor Observation and Bathymetry System (OFOBS): A New Towed Camera/Sonar System for Deep-Sea Habitat Surveys. <i>IEEE Journal of Oceanic Engineering</i> , 2019, 44, 87-99.	2.1	54
17	Cold-water coral carbonate mounds as unique palaeo-archives: the Plio-Pleistocene Challenger Mound record (NE Atlantic). <i>Quaternary Science Reviews</i> , 2013, 73, 14-30.	1.4	43
18	A new bathymetry of the Northeast Greenland continental shelf: Constraints on glacial and other processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3733-3753.	1.0	43

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19	Virtual Reality in Cartography: Immersive 3D Visualization of the Arctic Clyde Inlet (Canada) Using Digital Elevation Models and Bathymetric Data. <i>Multimodal Technologies and Interaction</i> , 2019, 3, 9.	1.7	43
20	The 2.6 Ma depositional sequence from the Challenger cold-water coral carbonate mound (IODP Exp.) Tj ETQq0 0 0 rgBT /Overlock 10 Tt 260-277.	0.9	39
21	Cold-water coral mounds in an erosive environmental setting: TOBI side-scan sonar data and ROV video footage from the northwest Porcupine Bank, NE Atlantic. <i>Marine Geology</i> , 2009, 264, 218-229.	0.9	37
22	Cold-water coral mounds revealed. <i>Eos</i> , 2006, 87, 525.	0.1	36
23	Greenland ice sheet retreat history in the northeast Baffin Bay based on high-resolution bathymetry. <i>Quaternary Science Reviews</i> , 2016, 154, 182-198.	1.4	35
24	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.	1.4	34
25	Moytirra: Discovery of the first known deep-sea hydrothermal vent field on the slow-spreading Mid-Atlantic Ridge north of the Azores. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4170-4184.	1.0	32
26	The International Bathymetric Chart of the Southern Ocean Version 2. <i>Scientific Data</i> , 2022, 9, .	2.4	28
27	Landscape mapping at sub-Antarctic South Georgia provides a protocol for underpinning large-scale marine protected areas. <i>Scientific Reports</i> , 2016, 6, 33163.	1.6	26
28	Spatial distribution patterns of ascidians (Ascidacea: Tunicata) on the continental shelves off the northern Antarctic Peninsula. <i>Polar Biology</i> , 2016, 39, 863-879.	0.5	25
29	A geomorphological seabed classification for the Weddell Sea, Antarctica. <i>Marine Geophysical Researches</i> , 2016, 37, 127-141.	0.5	24
30	Benthic communities and their drivers: A spatial analysis off the Antarctic Peninsula. <i>Limnology and Oceanography</i> , 2019, 64, 2341-2357.	1.6	24
31	Environmental information for a marine ecosystem research approach for the northern Antarctic Peninsula (RV Polarstern expedition PS81, ANT-XXIX/3). <i>Polar Biology</i> , 2016, 39, 765-787.	0.5	23
32	Oceanographic and topographic conditions structure benthic meiofauna communities in the Weddell Sea, Bransfield Strait and Drake Passage (Antarctic). <i>Progress in Oceanography</i> , 2018, 162, 240-256.	1.5	22
33	Aerial surveys for Antarctic minke whales (<i>Balaenoptera bonaerensis</i>) reveal sea ice dependent distribution patterns. <i>Ecology and Evolution</i> , 2019, 9, 5664-5682.	0.8	22
34	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.	1.3	20
35	Macroepibenthic communities at the tip of the Antarctic Peninsula, an ecological survey at different spatial scales. <i>Polar Biology</i> , 2016, 39, 829-849.	0.5	19
36	The sediment composition and predictive mapping of facies on the Propeller Mound – A cold-water coral mound (Porcupine Seabight, NE Atlantic). <i>Continental Shelf Research</i> , 2010, 30, 1814-1829.	0.9	16

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37	Atlas of the Deep-Water Seabed. , 2010, , .		16
38	Deep water paleo-iceberg scouring on top of Hovgaard Ridge in the Arctic Ocean. Geophysical Research Letters, 2014, 41, 5068-5074.	1.5	16
39	Record of anthropogenic impact on the Western Irish Sea mud belt. Anthropocene, 2015, 9, 56-69.	1.6	15
40	Deglaciation and future stability of the Coats Land ice margin, Antarctica. Cryosphere, 2018, 12, 2383-2399.	1.5	13
41	Stratigraphic model of the Quaternary sediments of the Western Irish Sea Mud Belt from core, geotechnical and acoustic data. Geo-Marine Letters, 2019, 39, 223-237.	0.5	13
42	The Southwest Indian Ocean Bathymetric Compilation (swIOBC). Geochemistry, Geophysics, Geosystems, 2018, 19, 968-976.	1.0	10
43	Depression chains in seafloor of contrasting morphology, Atacama Trench margin: a comment on Marsh et al. (2018). Royal Society Open Science, 2019, 6, 182053.	1.1	7
44	A bathymetric compilation of the Cape Darnley region, East Antarctica. Antarctic Science, 2021, 33, 548-559.	0.5	5
45	Seabed video and still images from the northern Weddell Sea and the western flanks of the Powell Basin. Earth System Science Data, 2021, 13, 609-615.	3.7	4
46	Rapid ice sheet response to deglacial and Holocene paleoenvironmental changes in eastern Prydz Bay, East Antarctica. Quaternary Science Reviews, 2022, 280, 107401.	1.4	2
47	Geomorphology and shallow sub-sea-floor structures underneath the Ekström Ice Shelf, Antarctica. Cryosphere, 2022, 16, 2051-2066.	1.5	2
48	Submarine geomorphology of northeast Baffin Bay and its implications for local paleo-ice sheet dynamics. Geomorphology, 2018, 318, 88-100.	1.1	1
49	Mound Features and Coral Carbonate Mounds. , 2010, , 97-116.		0
50	Escarments. , 2010, , 77-95.		0