

Melanie Bergmann

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

6,183
citations

126708

33
h-index

168136

53
g-index

60
all docs

60
docs citations

60
times ranked

5581
citing authors

#	ARTICLE	IF	CITATIONS
1	White and wonderful? Microplastics prevail in snow from the Alps to the Arctic. <i>Science Advances</i> , 2019, 5, eaax1157.	4.7	790
2	Arctic sea ice is an important temporal sink and means of transport for microplastic. <i>Nature Communications</i> , 2018, 9, 1505.	5.8	670
3	High Quantities of Microplastic in Arctic Deep-Sea Sediments from the HAUSGARTEN Observatory. <i>Environmental Science & Technology</i> , 2017, 51, 11000-11010.	4.6	630
4	Marine Litter Distribution and Density in European Seas, from the Shelves to Deep Basins. <i>PLoS ONE</i> , 2014, 9, e95839.	1.1	495
5	The physical oceanography of the transport of floating marine debris. <i>Environmental Research Letters</i> , 2020, 15, 023003.	2.2	469
6	Increase of litter at the Arctic deep-sea observatory HAUSGARTEN. <i>Marine Pollution Bulletin</i> , 2012, 64, 2734-2741.	2.3	193
7	Tying up Loose Ends of Microplastic Pollution in the Arctic: Distribution from the Sea Surface through the Water Column to Deep-Sea Sediments at the HAUSGARTEN Observatory. <i>Environmental Science & Technology</i> , 2020, 54, 4079-4090.	4.6	183
8	Plastic pollution in the Arctic. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 323-337.	12.2	161
9	Citizen scientists reveal: Marine litter pollutes Arctic beaches and affects wild life. <i>Marine Pollution Bulletin</i> , 2017, 125, 535-540.	2.3	160
10	Marine litter on deep Arctic seafloor continues to increase and spreads to the North at the HAUSGARTEN observatory. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 120, 88-99.	0.6	148
11	Natural variability or anthropogenically-induced variation? Insights from 15 years of multidisciplinary observations at the arctic marine LTER site HAUSGARTEN. <i>Ecological Indicators</i> , 2016, 65, 89-102.	2.6	129
12	Sea change for plastic pollution. <i>Nature</i> , 2017, 544, 297-297.	13.7	128
13	Microplastics and nanoplastics in the marine-atmosphere environment. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 393-405.	12.2	121
14	HAUSGARTEN: Multidisciplinary Investigations at a Deep-Sea, Long-Term Observatory in the Arctic Ocean. <i>Oceanography</i> , 2005, 18, 46-61.	0.5	120
15	Diversity of the arctic deep-sea benthos. <i>Marine Biodiversity</i> , 2011, 41, 87-107.	0.3	90
16	Semi-Automated Image Analysis for the Assessment of Megafaunal Densities at the Arctic Deep-Sea Observatory HAUSGARTEN. <i>PLoS ONE</i> , 2012, 7, e38179.	1.1	89
17	Plastic ingestion by juvenile polar cod (<i>Boreogadus saida</i>) in the Arctic Ocean. <i>Polar Biology</i> , 2018, 41, 1269-1278.	0.5	89
18	Trophic relationships along a bathymetric gradient at the deep-sea observatory HAUSGARTEN. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 408-424.	0.6	88

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19	A global plastic treaty must cap production. <i>Science</i> , 2022, 376, 469-470.	6.0	80
20	Physiological stress in decapod crustaceans (<i>Munida rugosa</i> and <i>Liocarcinus depurator</i>) discarded in the Clyde Nephrops fishery. <i>Journal of Experimental Marine Biology and Ecology</i> , 2001, 259, 215-229.	0.7	79
21	Observations of floating anthropogenic litter in the Barents Sea and Fram Strait, Arctic. <i>Polar Biology</i> , 2016, 39, 553-560.	0.5	76
22	Assessing resilience in long-term ecological data sets. <i>Ecological Indicators</i> , 2016, 65, 10-43.	2.6	70
23	Bathymetric patterns of megafaunal assemblages from the arctic deep-sea observatory HAUSGARTEN. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 1856-1872.	0.6	67
24	Using knowledge from fishers and fisheries scientists to identify possible groundfish "Essential Fish Habitats"™. <i>Fisheries Research</i> , 2004, 66, 373-379.	0.9	63
25	Use of machine-learning algorithms for the automated detection of cold-water coral habitats: a pilot study. <i>Marine Ecology - Progress Series</i> , 2009, 397, 241-251.	0.9	61
26	Survival of decapod crustaceans discarded in the Nephrops fishery of the Clyde Sea area, Scotland. <i>ICES Journal of Marine Science</i> , 2001, 58, 163-171.	1.2	60
27	The interannual variability of megafaunal assemblages in the Arctic deep sea: Preliminary results from the HAUSGARTEN observatory (79°N). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 711-723.	0.6	56
28	Current and future trends in marine image annotation software. <i>Progress in Oceanography</i> , 2016, 149, 106-120.	1.5	53
29	Microplastic ingestion in zooplankton from the Fram Strait in the Arctic. <i>Science of the Total Environment</i> , 2022, 831, 154886.	3.9	48
30	Colonisation of hard substrata along a channel system in the deep Greenland Sea. <i>Polar Biology</i> , 2010, 33, 1359-1369.	0.5	46
31	Discard composition of the Nephrops fishery in the Clyde Sea area, Scotland. <i>Fisheries Research</i> , 2002, 57, 169-183.	0.9	45
32	Carbon flows in the benthic food web at the deep-sea observatory HAUSGARTEN (Fram Strait). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 1069-1083.	0.6	42
33	Rocky islands in a sea of mud: biotic and abiotic factors structuring deep-sea dropstone communities. <i>Marine Ecology - Progress Series</i> , 2016, 556, 45-57.	0.9	40
34	Temporal Trends in Marine Litter at Three Stations of the HAUSGARTEN Observatory in the Arctic Deep Sea. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	34
35	Utilisation of invertebrates discarded from the Nephrops fishery by variously selective benthic scavengers in the west of Scotland. <i>Marine Ecology - Progress Series</i> , 2002, 233, 185-198.	0.9	33
36	Mortality of <i>Asterias rubens</i> and <i>Ophiura ophiura</i> discarded in the Nephrops fishery of the Clyde Sea area, Scotland. <i>ICES Journal of Marine Science</i> , 2001, 58, 531-542.	1.2	32

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37	Dynamic benthic megafaunal communities: Assessing temporal variations in structure, composition and diversity at the Arctic deep-sea observatory HAUSGARTEN between 2004 and 2015. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 122, 81-94.	0.6	31
38	Sea-ice derived meltwater stratification slows the biological carbon pump: results from continuous observations. <i>Nature Communications</i> , 2021, 12, 7309.	5.8	31
39	Biigle - Web 2.0 enabled labelling and exploring of images from the Arctic deep-sea observatory HAUSGARTEN. , 2009, , .		30
40	Demersal fish and epifauna associated with sandbank habitats. <i>Estuarine, Coastal and Shelf Science</i> , 2004, 60, 445-456.	0.9	29
41	Evaluation of habitat use by adult plaice (<i>Pleuronectes platessa</i> L.) using underwater video survey techniques. <i>Journal of Sea Research</i> , 2006, 56, 317-328.	0.6	29
42	The quest for seafloor macrolitter: a critical review of background knowledge, current methods and future prospects. <i>Environmental Research Letters</i> , 0, , .	2.2	28
43	Interannual variation in the epibenthic megafauna at the shallowest station of the HAUSGARTEN observatory (79° N, 6° E). <i>Biogeosciences</i> , 2013, 10, 3479-3492.	1.3	26
44	Regional- and local-scale variations in benthic megafaunal composition at the Arctic deep-sea observatory HAUSGARTEN. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 108, 58-72.	0.6	25
45	Habitat association of plaice, sole, and lemon sole in the English Channel. <i>ICES Journal of Marine Science</i> , 2006, 63, 912-927.	1.2	24
46	Megafaunal assemblages from two shelf stations west of Svalbard. <i>Marine Biology Research</i> , 2011, 7, 525-539.	0.3	23
47	Ecological relevance of temporal stability in regional fish catches. <i>Journal of Fish Biology</i> , 2003, 63, 1219-1234.	0.7	20
48	High Biodiversity on a Deep-Water Reef in the Eastern Fram Strait. <i>PLoS ONE</i> , 2014, 9, e105424.	1.1	20
49	Bioturbation rates in the deep Fram Strait: Results from in situ experiments at the arctic LTER observatory HAUSGARTEN. <i>Journal of Experimental Marine Biology and Ecology</i> , 2019, 511, 1-9.	0.7	19
50	Habitat selection in whiting. <i>Journal of Fish Biology</i> , 2004, 64, 788-793.	0.7	17
51	Effects of dropstone-induced habitat heterogeneity on Arctic deep-sea benthos with special reference to nematode communities. <i>Marine Biology Research</i> , 2013, 9, 229-245.	0.3	17
52	DELPHI - fast and adaptive computational laser point detection and visual footprint quantification for arbitrary underwater image collections. <i>Frontiers in Marine Science</i> , 2015, 2, .	1.2	17
53	Emerging investigator series: effect-based characterization of mixtures of environmental pollutants in diverse sediments. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1667-1679.	1.7	17
54	Recruitment of Arctic deep-sea invertebrates: Results from a long-term hard-substrate colonization experiment at the Long-term Ecological Research observatory HAUSGARTEN. <i>Limnology and Oceanography</i> , 2019, 64, 1924-1938.	1.6	14

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55	Longevity and growth efficiency of two deep-dwelling Arctic zoarcids and comparison with eight other zoarcid species from different climatic regions. <i>Polar Biology</i> , 2011, 34, 1523-1533.	0.5	13
56	Marine Debris Floating in Arctic and Temperate Northeast Atlantic Waters. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	7
57	Ranking Color Correction Algorithms Using Cluster Indices. , 2014, , .		4
58	Investigation of hidden parameters influencing the automated object detection in images from the deep seafloor of the HAUSGARTEN observatory. , 2012, , .		3
59	Tackling Marine Litterâ€™LITTERBASE. <i>SpringerBriefs in Earth System Sciences</i> , 2018, , 85-92.	0.0	0