

# Melanie Bergmann

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58  
papers

3,845  
citations

29  
h-index

60  
g-index

60  
ext. papers

5,021  
ext. citations

6.4  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
58	Microplastic ingestion in zooplankton from the Fram Strait in the Arctic.. <i>Science of the Total Environment</i> , <b>2022</b> , 154886	10.2	3
57	A global plastic treaty must cap production.. <i>Science</i> , <b>2022</b> , 376, 469-470	33.3	4
56	Sea-ice derived meltwater stratification slows the biological carbon pump: results from continuous observations.. <i>Nature Communications</i> , <b>2021</b> , 12, 7309	17.4	3
55	Temporal Trends in Marine Litter at Three Stations of the HAUSGARTEN Observatory in the Arctic Deep Sea. <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.5	14
54	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 &amp; Technology</i> , <b>2020</b> , 54, 4079-4090	10.3	91
53	The physical oceanography of the transport of floating marine debris. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 023003	6.2	186
52	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> , <b>2019</b> , 511, 1-9	2.1	10
51	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> , <b>2019</b> , 64, 1924-1938	4.8	8
50	White and wonderful? Microplastics prevail in snow from the Alps to the Arctic. <i>Science Advances</i> , <b>2019</b> , 5, eaax1157	14.3	440
49	Arctic sea ice is an important temporal sink and means of transport for microplastic. <i>Nature Communications</i> , <b>2018</b> , 9, 1505	17.4	431
48	Plastic ingestion by juvenile polar cod () in the Arctic Ocean. <i>Polar Biology</i> , <b>2018</b> , 41, 1269-1278	2	61
47	Tackling Marine Litterâ€”LITTERBASE. <i>SpringerBriefs in Earth System Sciences</i> , <b>2018</b> , 85-92	1	
46	Emerging investigator series: effect-based characterization of mixtures of environmental pollutants in diverse sediments. <i>Environmental Sciences: Processes and Impacts</i> , <b>2018</b> , 20, 1667-1679	4.3	11
45	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> , <b>2017</b> , 120, 88-99	2.5	104
44	Marine litter: Sea change for plastic pollution. <i>Nature</i> , <b>2017</b> , 544, 297	50.4	86
43	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> , <b>2017</b> , 122, 81-94	2.5	17
42	High Quantities of Microplastic in Arctic Deep-Sea Sediments from the HAUSGARTEN Observatory. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 11000-11010	10.3	434

41	Citizen scientists reveal: Marine litter pollutes Arctic beaches and affects wild life. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 125, 535-540	6.7	101
40	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> , <b>2016</b> , 108, 58-72	2.5	17
39	Natural variability or anthropogenically-induced variation? Insights from 15 years of multidisciplinary observations at the arctic marine LTER site HAUSGARTEN. <i>Ecological Indicators</i> , <b>2016</b> , 65, 89-102	5.8	85
38	Assessing resilience in long-term ecological data sets. <i>Ecological Indicators</i> , <b>2016</b> , 65, 10-43	5.8	57
37	Rocky islands in a sea of mud: biotic and abiotic factors structuring deep-sea dropstone communities. <i>Marine Ecology - Progress Series</i> , <b>2016</b> , 556, 45-57	2.6	30
36	Observations of floating anthropogenic litter in the Barents Sea and Fram Strait, Arctic. <i>Polar Biology</i> , <b>2016</b> , 39, 553-560	2	58
35	Current and future trends in marine image annotation software. <i>Progress in Oceanography</i> , <b>2016</b> , 149, 106-120	3.8	28
34	DELPHI: Fast and adaptive computational laser point detection and visual footprint quantification for arbitrary underwater image collections. <i>Frontiers in Marine Science</i> , <b>2015</b> , 2,	4.5	9
33	Marine litter distribution and density in European seas, from the shelves to deep basins. <i>PLoS ONE</i> , <b>2014</b> , 9, e95839	3.7	364
32	High biodiversity on a deep-water reef in the eastern Fram Strait. <i>PLoS ONE</i> , <b>2014</b> , 9, e105424	3.7	13
31	Ranking Color Correction Algorithms Using Cluster Indices <b>2014</b> ,		2
30	Effects of dropstone-induced habitat heterogeneity on Arctic deep-sea benthos with special reference to nematode communities. <i>Marine Biology Research</i> , <b>2013</b> , 9, 229-245	1	16
29	Interannual variation in the epibenthic megafauna at the shallowest station of the HAUSGARTEN observatory (79°N, 6°E). <i>Biogeosciences</i> , <b>2013</b> , 10, 3479-3492	4.6	21
28	Increase of litter at the Arctic deep-sea observatory HAUSGARTEN. <i>Marine Pollution Bulletin</i> , <b>2012</b> , 64, 2734-41	6.7	165
27	Investigation of hidden parameters influencing the automated object detection in images from the deep seafloor of the HAUSGARTEN observatory <b>2012</b> ,		3
26	Semi-automated image analysis for the assessment of megafaunal densities at the Arctic deep-sea observatory HAUSGARTEN. <i>PLoS ONE</i> , <b>2012</b> , 7, e38179	3.7	66
25	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> , <b>2011</b> , 58, 711-723	2.5	47
24	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> , <b>2011</b> , 58, 1069-1083	2.5	34

23	Megafaunal assemblages from two shelf stations west of Svalbard. <i>Marine Biology Research</i> , <b>2011</b> , 7, 525-539	1	16
22	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> , <b>2011</b> , 34, 1523-1533	2	8
21	Diversity of the arctic deep-sea benthos. <i>Marine Biodiversity</i> , <b>2011</b> , 41, 87-107	1.4	66
20	Colonisation of hard substrata along a channel system in the deep Greenland Sea. <i>Polar Biology</i> , <b>2010</b> , 33, 1359-1369	2	38
19	Trophic relationships along a bathymetric gradient at the deep-sea observatory HAUSGARTEN. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2009</b> , 56, 408-424	2.5	73
18	Bathymetric patterns of megafaunal assemblages from the arctic deep-sea observatory HAUSGARTEN. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2009</b> , 56, 1856-1872	2.5	57
17	Biigle - Web 2.0 enabled labelling and exploring of images from the Arctic deep-sea observatory HAUSGARTEN <b>2009</b> ,		21
16	Use of machine-learning algorithms for the automated detection of cold-water coral habitats: a pilot study. <i>Marine Ecology - Progress Series</i> , <b>2009</b> , 397, 241-251	2.6	51
15	Habitat association of plaice, sole, and lemon sole in the English Channel. <i>ICES Journal of Marine Science</i> , <b>2006</b> , 63, 912-927	2.7	20
14	Evaluation of habitat use by adult plaice ( <i>Pleuronectes platessa</i> L.) using underwater video survey techniques. <i>Journal of Sea Research</i> , <b>2006</b> , 56, 317-328	1.9	26
13	HAUSGARTEN: Multidisciplinary Investigations at a Deep-Sea, Long-Term Observatory in the Arctic Ocean. <i>Oceanography</i> , <b>2005</b> , 18, 46-61	2.3	100
12	Habitat selection in whiting. <i>Journal of Fish Biology</i> , <b>2004</b> , 64, 788-793	1.9	15
11	Demersal fish and epifauna associated with sandbank habitats. <i>Estuarine, Coastal and Shelf Science</i> , <b>2004</b> , 60, 445-456	2.9	22
10	Using knowledge from fishers and fisheries scientists to identify possible groundfish "Essential Fish Habitats" <i>Fisheries Research</i> , <b>2004</b> , 66, 373-379	2.3	56
9	Ecological relevance of temporal stability in regional fish catches. <i>Journal of Fish Biology</i> , <b>2003</b> , 63, 1219-1234	1.34	18
8	Discard composition of the Nephrops fishery in the Clyde Sea area, Scotland. <i>Fisheries Research</i> , <b>2002</b> , 57, 169-183	2.3	37
7	Utilisation of invertebrates discarded from the Nephrops fishery by variously selective benthic scavengers in the west of Scotland. <i>Marine Ecology - Progress Series</i> , <b>2002</b> , 233, 185-198	2.6	30
6	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> , <b>2001</b> , 259, 215-229	2.1	70

5	Survival of decapod crustaceans discarded in the Nephrops fishery of the Clyde Sea area, Scotland. <i>ICES Journal of Marine Science</i> , <b>2001</b> , 58, 163-171	2.7	53
4	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> , <b>2001</b> , 58, 531-542	2.7	25
3	The quest for seafloor macrolitter: a critical review of background knowledge, current methods and future prospects. <i>Environmental Research Letters</i> ,	6.2	11
2	Plastic pollution in the Arctic. <i>Nature Reviews Earth &amp; Environment</i> ,	30.2	5
1	Microplastics and nanoplastics in the marine-atmosphere environment. <i>Nature Reviews Earth &amp; Environment</i> ,	30.2	8