

Lars Boehme

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,574
citations

236925

25
h-index

206112

48
g-index

64
all docs

64
docs citations

64
times ranked

2935
citing authors

#	ARTICLE	IF	CITATIONS
1	Variations in behavior and condition of a Southern Ocean top predator in relation to <i>in situ</i> oceanographic conditions. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13705-13710.	7.1	291
2	Tracking of marine predators to protect Southern Ocean ecosystems. Nature, 2020, 580, 87-92.	27.8	156
3	Southern Ocean frontal structure and sea-ice formation rates revealed by elephant seals. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11634-11639.	7.1	152
4	Technical Note: Animal-borne CTD-Satellite Relay Data Loggers for real-time oceanographic data collection. Ocean Science, 2009, 5, 685-695.	3.4	146
5	Animal-Borne Telemetry: An Integral Component of the Ocean Observing Toolkit. Frontiers in Marine Science, 2019, 6, .	2.5	127
6	Circumpolar habitat use in the southern elephant seal: implications for foraging success and population trajectories. Ecosphere, 2016, 7, e01213.	2.2	126
7	Marine Mammals Exploring the Oceans Pole to Pole: A Review of the MEOP Consortium. Oceanography, 2017, 30, 132-138.	1.0	123
8	Microplastic study reveals the presence of natural and synthetic fibres in the diet of King Penguins (<i>Aptenodytes patagonicus</i>) foraging from South Georgia. Environment International, 2020, 134, 105303.	10.0	115
9	A Southern Indian Ocean database of hydrographic profiles obtained with instrumented elephant seals. Scientific Data, 2014, 1, 140028.	5.3	110
10	Estimates of the Southern Ocean general circulation improved by animal-borne instruments. Geophysical Research Letters, 2013, 40, 6176-6180.	4.0	108
11	Objective analyses of hydrographic data for referencing profiling float salinities in highly variable environments. Deep-Sea Research Part II: Topical Studies in Oceanography, 2005, 52, 651-664.	1.4	97
12	Delayed-Mode Calibration of Hydrographic Data Obtained from Animal-Borne Satellite Relay Data Loggers. Journal of Atmospheric and Oceanic Technology, 2011, 28, 787-801.	1.3	83
13	Antarctic Circumpolar Current frontal system in the South Atlantic: Monitoring using merged Argo and animal-borne sensor data. Journal of Geophysical Research, 2008, 113, .	3.3	66
14	Wintertime ocean conditions over the southern Weddell Sea continental shelf, Antarctica. Geophysical Research Letters, 2008, 35, .	4.0	51
15	Monitoring Drake Passage with elephant seals: Frontal structures and snapshots of transport. Limnology and Oceanography, 2008, 53, 2350-2360.	3.1	43
16	Refining instrument attachment on phocid seals. Marine Mammal Science, 2012, 28, E325.	1.8	42
17	Seasonal inflow of warm water onto the southern Weddell Sea continental shelf, Antarctica. Geophysical Research Letters, 2012, 39, .	4.0	41
18	Pathways and modification of warm water flowing beneath Thwaites Ice Shelf, West Antarctica. Science Advances, 2021, 7, .	10.3	39

#	ARTICLE	IF	CITATIONS
19	Between the Devil and the Deep Blue Sea: The Role of the Amundsen Sea Continental Shelf in Exchanges Between Ocean and Ice Shelves. , 2016, 29, 118-129.		36
20	Seasonal evolution of the upper-ocean adjacent to the South Orkney Islands, Southern Ocean: Results from a “lazy biological mooring”. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 1569-1579.	1.4	34
21	Towards the integration of animal-borne instruments into global ocean observing systems. Global Change Biology, 2020, 26, 586-596.	9.5	34
22	Variation in the Distribution and Properties of Circumpolar Deep Water in the Eastern Amundsen Sea, on Seasonal Timescales, Using Seal-Borne Tags. Geophysical Research Letters, 2018, 45, 4982-4990.	4.0	33
23	Evaluating the effectiveness of a large multi-use MPA in protecting Key Biodiversity Areas for marine predators. Diversity and Distributions, 2020, 26, 715-729.	4.1	33
24	Animal Borne Ocean Sensors “ AniBOS ” An Essential Component of the Global Ocean Observing System. Frontiers in Marine Science, 2021, 8, .	2.5	30
25	Ocean Observations Using Tagged Animals. Oceanography, 2017, 30, 139-139.	1.0	27
26	Subglacial discharge plume behaviour revealed by CTD-instrumented ringed seals. Scientific Reports, 2018, 8, 13467.	3.3	27
27	The retrospective analysis of Antarctic tracking data project. Scientific Data, 2020, 7, 94.	5.3	27
28	Wintertime Water Mass Modification near an Antarctic Ice Front. Journal of Physical Oceanography, 2013, 43, 359-365.	1.7	26
29	Guidelines Towards an Integrated Ocean Observation System for Ecosystems and Biogeochemical Cycles. , 2010, , .		26
30	An alternative method for correcting fluorescence quenching. Ocean Science, 2015, 11, 83-91.	3.4	25
31	Control of Mode and Intermediate Water Mass Properties in Drake Passage by the Amundsen Sea Low. Journal of Climate, 2013, 26, 5102-5123.	3.2	22
32	Temperature signature of high latitude Atlantic boundary currents revealed by marine mammal-borne sensor and Argo data. Geophysical Research Letters, 2011, 38, .	4.0	20
33	Integrating the Ocean Observing System: Mobile Platforms. , 2010, , .		17
34	Habitat Partitioning in Sympatric Delphinids Around the Falkland Islands: Predicting Distributions Based on a Limited Data Set. Frontiers in Marine Science, 2020, 7, .	2.5	16
35	Investigating Annual Diving Behaviour by Hooded Seals (<i>Cystophora cristata</i>) within the Northwest Atlantic Ocean. PLoS ONE, 2013, 8, e80438.	2.5	15
36	Biologging in the Global Ocean Observing System. , 2010, , .		15

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37	How Many Seals Were There? The Global Shelf Loss during the Last Glacial Maximum and Its Effect on the Size and Distribution of Grey Seal Populations. <i>PLoS ONE</i> , 2012, 7, e53000.	2.5	14
38	Seasonal variability of the warm Atlantic water layer in the vicinity of the Greenland shelf break. <i>Geophysical Research Letters</i> , 2014, 41, 8530-8537.	4.0	14
39	Variation in the post-smolt growth pattern of wild one sea-winter salmon (<i>Salmo</i>) in the North Atlantic Ocean. <i>Journal of Fish Biology</i> , 2021, 98, 6-16.	1.6	14
40	Winter seal-based observations reveal glacial meltwater surfacing in the southeastern Amundsen Sea. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	14
41	Fishing for drifts: detecting buoyancy changes of a top marine predator using a step-wise filtering method. <i>Journal of Experimental Biology</i> , 2015, 218, 3816-24.	1.7	13
42	Classifying Oceanographic Structures in the Amundsen Sea, Antarctica. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL089412.	4.0	13
43	Bimodal Winter Haul-Out Patterns of Adult Weddell Seals (<i>Leptonychotes weddellii</i>) in the Southern Weddell Sea. <i>PLoS ONE</i> , 2016, 11, e0155817.	2.5	12
44	Drift Diving by Hooded Seals (<i>Cystophora cristata</i>) in the Northwest Atlantic Ocean. <i>PLoS ONE</i> , 2014, 9, e103072.	2.5	11
45	An Integrated Approach to Coastal and Biological Observations. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	11
46	Elephant seal foraging dives track prey distribution, not temperature: Comment on McIntyre et al. (2011). <i>Marine Ecology - Progress Series</i> , 2012, 461, 293-298.	1.9	10
47	Ice front retreat reconfigures meltwater-driven gyres modulating ocean heat delivery to an Antarctic ice shelf. <i>Nature Communications</i> , 2022, 13, 306.	12.8	10
48	Sex-specific variation in the use of vertical habitat by a resident Antarctic top predator. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201447.	2.6	9
49	Sex-related differences in the postmolt distribution of Weddell seals (<i>Leptonychotes weddellii</i>) in the southern Weddell Sea. <i>Marine Mammal Science</i> , 2018, 34, 403-419.	1.8	8
50	Comparison of gridded sea surface temperature datasets for marine ecosystem studies. <i>Marine Ecology - Progress Series</i> , 2014, 516, 7-22.	1.9	7
51	Using Predicted Patterns of 3D Prey Distribution to Map King Penguin Foraging Habitat. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
52	Environmental drivers of population-level variation in the migratory and diving ontogeny of an Arctic top predator. <i>Royal Society Open Science</i> , 2022, 9, 211042.	2.4	5
53	The importance of Southern Ocean frontal systems for the improvement of body condition in southern elephant seals. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2019, 29, 283-304.	2.0	4
54	Sympatric Seals, Satellite Tracking and Protected Areas: Habitat-Based Distribution Estimates for Conservation and Management. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	4

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55	Erratum to "Objective analyses of hydrographic data for referencing profiling float salinities in highly variable environments"; Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 246.	1.4	2
56	A Novel Approach to Using Seabed Geomorphology as a Predictor of Habitat Use in Highly Mobile Marine Predators: Implications for Ecology and Conservation. Frontiers in Marine Science, 2022, 9, .	2.5	2