Markus Horning

List of Publications by Year
in descending order

63	2,718	257450 24	182427 51
papers	citations	h-index	g-index

64	64	64	2414
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in thermal physiology of diving marine mammals: The dual role of peripheral perfusion. Temperature, 2022, 9, 46-66.	3.0	7
2	Visualizing Life in the Deep: A Creative Pipeline for Data-Driven Animations to Facilitate Marine Mammal Research, Outreach, and Conservation. , 2021, , .		2
3	An Integrative Method for Characterizing Marine Habitat Features Associated With Predation: A Case Study on Juvenile Steller Sea Lions (Eumetopias jubatus). Frontiers in Marine Science, 2020, 7, .	2.5	2
4	Crary bank: a deep foraging habitat for emperor penguins in the western Ross Sea. Polar Biology, 2020, 43, 801-811.	1.2	10
5	Space use of Pacific harbor seals (Phoca vitulina richardii) from two haulout locations along the Oregon coast. PLoS ONE, 2019, 14, e0219484.	2.5	4
6	Best practice recommendations for the use of external telemetry devices on pinnipeds. Animal Biotelemetry, 2019, 7, .	1.9	22
7	Improving emergence location estimates for Argos pop-up transmitters. Animal Biotelemetry, 2019, 7, .	1.9	2
8	Muscular apoptosis but not oxidative stress increases with old age in a long-lived diver, the Weddell seal. Journal of Experimental Biology, 2019, 222, .	1.7	1
9	Wanted dead or alive: characterizing likelihood of juvenile Steller sea lion predation from diving and space use patterns. Endangered Species Research, 2019, 40, 357-367.	2.4	4
10	Juvenile Steller sea lion (Eumetopias jubatus) utilization distributions in the Gulf of Alaska. Movement Ecology, 2018, 6, 6.	2.8	6
11	Individual-based energetic model suggests bottom up mechanisms for the impact of coastal hypoxia on Pacific harbor seal (Phoca vitulina richardii) foraging behavior. Journal of Theoretical Biology, 2017, 416, 190-198.	1.7	5
12	Best practice recommendations for the use of fully implanted telemetry devices in pinnipeds. Animal Biotelemetry, 2017, 5, .	1.9	18
13	Intraperitoneal implantation of life-long telemetry transmitters in three rehabilitated harbor seal pups. BMC Veterinary Research, 2017, 13, 139.	1.9	9
14	An animal-borne active acoustic tag for minimally invasive behavioral response studies on marine mammals. Animal Biotelemetry, 2016, 4, .	1.9	14
15	Key Questions in Marine Megafauna Movement Ecology. Trends in Ecology and Evolution, 2016, 31, 463-475.	8.7	397
16	Physiological predictors of long-term survival in juvenile Steller sea lions (<i>Eumetopias) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (j		3
17	Estimating total body heat dissipation in air and water from skin surface heat flux telemetry in Weddell seals. Animal Biotelemetry, 2015, 3, .	1.9	13
18	Summing the strokes: energy economy in northern elephant seals during large-scale foraging migrations. Movement Ecology, 2015, 3, 22.	2.8	38

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19	Heat loss in air of an Antarctic marine mammal, the Weddell seal. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 143-152.	1.5	21
20	The Effect of Novel Research Activities on Long-term Survival of Temporarily Captive Steller Sea Lions (Eumetopias jubatus). PLoS ONE, 2015, 10, e0141948.	2.5	12
21	In cold blood: evidence of Pacific sleeper shark (Somniosus pacificus) predation on Steller sea lions (Eumetopias jubatus) in the Gulf of Alaska. Fishery Bulletin, 2014, 112, 297-310.	0.2	25
22	Linking marine predator diving behavior to local prey fields in contrasting habitats in a subarctic glacial fjord. Marine Biology, 2014, 161, 1361-1374.	1.5	37
23	Beneath the surface: Profiling blubber depth in pinnipeds with infrared imaging. Journal of Thermal Biology, 2013, 38, 10-13.	2.5	8
24	Diving into the analysis of timeâ€“depth recorder and behavioural data records: A workshop summary. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 88-89, 61-64.	1.4	7
25	Constraint lines and performance envelopes in behavioral physiology: the case of the aerobic dive limit. Frontiers in Physiology, 2012, 3, 381.	2.8	30
26	Predation on an Upper Trophic Marine Predator, the Steller Sea Lion: Evaluating High Juvenile Mortality in a Density Dependent Conceptual Framework. PLoS ONE, 2012, 7, e30173.	2.5	36
27	Health and condition in the adult Weddell seal of McMurdo Sound, Antarctica. Zoology, 2011, 114, 177-183.	1.2	15
28	The effects of two analgesic regimes on behavior after abdominal surgery in Steller sea lions. Veterinary Journal, 2011, 190, 160-164.	1.7	5
29	Aerobic dive limit does not decline in an aging pinniped. Journal of Experimental Zoology, 2011, 315A, 544-552.	1.2	9
30	A preliminary assessment of the impact of disturbance and handling on Weddell seals of McMurdo Sound, Antarctica. Antarctic Science, 2010, 22, 25.	0.9	5
31	Energetics of breath-hold hunting: Modeling the effects of aging on foraging success in the Weddell seal. Journal of Theoretical Biology, 2010, 264, 673-682.	1.7	8
32	Surface temperature patterns in seals and sea lions: A validation of temporal and spatial consistency. Journal of Thermal Biology, 2010, 35, 435-440.	2.5	22
33	Chemical immobilization of Weddell seals (Leptonychotes weddellii) by ketamine/midazolam combination. Veterinary Anaesthesia and Analgesia, 2010, 37, 123-131.	0.6	20
34	Skin Microbial Flora and Effectiveness of Aseptic Technique for Deep Muscle Biopsies in Weddell Seals (Leptonychotes weddellii) in McMurdo Sound, Antarctica. Journal of Wildlife Diseases, 2010, 46, 655-658.	0.8	5
35	Muscle aging and oxidative stress in wild-caught shrews. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2010, 155, 427-434.	1.6	27
36	Behavioural responses of juvenile Steller sea lions to abdominal surgery: Developing an assessment of post-operative pain. Applied Animal Behaviour Science, 2009, 120, 201-207.	1.9	19

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37	Muscle senescence in shortâ€lived wild mammals, the soricine shrews Blarina brevicauda and Sorex palustris. Journal of Experimental Zoology, 2009, 311A, 358-367.	1.2	26
38	Diving into old age: muscular senescence in a large-bodied, long-lived mammal, the Weddell seal (Leptonychotes weddellii). Journal of Experimental Biology, 2009, 212, 790-796.	1.7	65
39	Spatially explicit detection of predation on individual pinnipeds from implanted post-mortem satellite data transmitters. Endangered Species Research, 2009, 10, 135-143.	2.4	24
40	Intraperitoneal implantation of life-long telemetry transmitters in otariids. BMC Veterinary Research, 2008, 4, 51.	1.9	33
41	Monitoring glucocorticoid response to rehabilitation and research procedures in California and Steller sea lions. Journal of Experimental Zoology, 2008, 309A, 73-82.	1.2	24
42	Letter to the editor. Australian Veterinary Journal, 2008, 86, 113-113.	1.1	0
43	Juvenile Steller sea lion dive behavior following temporary captivity. Endangered Species Research, 2008, 4, 195-203.	2.4	18
44	Designing a Dependable and Fault-Tolerant Semiautonomous Distributed Control Data Collection Network With Opportunistic Hierarchy. IEEE Journal of Oceanic Engineering, 2007, 32, 400-407.	3.8	3
45	Three-dimensional photogrammetry as a tool for estimating morphometrics and body mass of Steller sea lions (Eumetopias jubatus). Canadian Journal of Fisheries and Aquatic Sciences, 2007, 64, 296-303.	1.4	35
46	Seasonal and Spatial Blubber Depth Changes in Captive Harbor Seals (Phoca vitulina) and Steller's Sea Lions (Eumetopias jubatus). Journal of Mammalogy, 2007, 88, 408-414.	1.3	30
47	Physiological and behavioral response to intra-abdominal transmitter implantation in Steller sea lions. Journal of Experimental Marine Biology and Ecology, 2007, 351, 283-293.	1.5	23
48	Effects of increased swimming costs on foraging behavior and efficiency of captive Steller sea lions: Evidence for behavioral plasticity in the recovery phase of dives. Journal of Experimental Marine Biology and Ecology, 2006, 333, 306-314.	1.5	18
49	Temporary Captivity as a Research Tool: Comprehensive Study of Wild Pinnipeds Under Controlled Conditions. Aquatic Mammals, 2006, 32, 58-65.	0.7	49
50	Spatial variation of heat flux in Steller sea lions: evidence for consistent avenues of heat exchange along the body trunk. Journal of Experimental Marine Biology and Ecology, 2005, 315, 163-175.	1.5	36
51	A novel approach to measuring heat flux in swimming animals. Journal of Experimental Marine Biology and Ecology, 2005, 315, 147-162.	1.5	28
52	Designing an Archival Satellite Transmitter for Life-Long Deployments on Oceanic Vertebrates: The Life History Transmitter. IEEE Journal of Oceanic Engineering, 2005, 30, 807-817.	3.8	32
53	The cost of foraging by a marine predator, the Weddell seal Leptonychotes weddellii: pricing by the stroke. Journal of Experimental Biology, 2004, 207, 973-982.	1.7	229
54	ASSESSMENT OF ULTRASOUND IMAGING AS A NONINVASIVE MEASURE OF BLUBBER THICKNESS IN PINNIPEDS. Journal of Zoo and Wildlife Medicine, 2004, 35, 116-118.	0.6	35

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55	A test of hypotheses based on optimal foraging considerations for a diving mammal using a novel experimental approach. Canadian Journal of Zoology, 2003, 81, 1799-1807.	1.0	34
56	Classification of Weddell seal dives based on 3-dimensional movements and video-recorded observations. Marine Ecology - Progress Series, 2003, 264, 109-122.	1.9	93
57	Sink or Swim: Strategies for Cost-Efficient Diving by Marine Mammals. Science, 2000, 288, 133-136.	12.6	374
58	Lunar cycles in diel prey migrations exert a stronger effect on the diving of juveniles than adult Gal pagos fur seals. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 1127-1132.	2.6	103
59	Hunting Behavior of a Marine Mammal Beneath the Antarctic Fast Ice. Science, 1999, 283, 993-996.	12.6	279
60	Ontogeny of Diving Behaviour in the GalÃ¡pagos Fur Seal. Behaviour, 1997, 134, 1211-1257.	0.8	113
61	DEVELOPMENT OF HEMOGLOBIN, HEMATOCRIT, AND ERYTHROCYTE VALUES IN GALAPAGOS FUR SEALS. Marine Mammal Science, 1997, 13, 100-113.	1.8	72
62	Penguin dispersal after fledging. Nature, 1996, 383, 397-397.	27.8	53
63	Antarctic marine life under the McMurdo Ice Shelf at White Island: A link between nutrient influx and seal population. Polar Biology, 1984, 2, 229-231.	1.2	21