Akinori Takahashi

List of Publications by Year
in descending order

46 papers	2,864 citations	201575 27 h-index	233338 45 g-index
46 all docs	46 docs citations	46 times ranked	3219 citing authors

#	Article	IF	Citations
1	Key Questions in Marine Megafauna Movement Ecology. Trends in Ecology and Evolution, 2016, 31, 463-475.	4.2	397
2	Can Ethograms Be Automatically Generated Using Body Acceleration Data from Free-Ranging Birds?. PLoS ONE, 2009, 4, e5379.	1.1	351
3	Translating Marine Animal Tracking Data into Conservation Policy and Management. Trends in Ecology and Evolution, 2019, 34, 459-473.	4.2	256
4	Linking animal-borne video to accelerometers reveals prey capture variability. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2199-2204.	3.3	202
5	Unravelling the mysteries of a mesopelagic diet: a large apex predator specializes on small prey. Functional Ecology, 2013, 27, 710-717.	1.7	157
6	Tracking of marine predators to protect Southern Ocean ecosystems. Nature, 2020, 580, 87-92.	13.7	156
7	Comparison of diving behavior and foraging habitat use between chinstrap and gentoo penguins breeding in the South Shetland Islands, Antarctica. Marine Biology, 2010, 157, 811-825.	0.7	84
8	Spatial scales of marine conservation management for breeding seabirds. Marine Policy, 2018, 98, 37-46.	1.5	77
9	An application of optimal diving models to diving behaviour of BrÃ¼nnich's guillemots. Animal Behaviour, 2002, 64, 739-745.	0.8	72
10	Scaling of swim speed in breath-hold divers. Journal of Animal Ecology, 2011, 80, 57-68.	1.3	72
11	Testing optimal foraging theory in a penguinâ€“krill system. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132376.	1.2	64
12	Thick-billed murres use different diving behaviors in mixed and stratified waters. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 1837-1845.	0.6	56
13	Scaling of swim speed and stroke frequency in geometrically similar penguins: they swim optimally to minimize cost of transport. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 707-714.	1.2	53
14	Penguin head movement detected using small accelerometers: a proxy of prey encounter rate. Journal of Experimental Biology, 2011, 214, 3760-3767.	0.8	53
15	Searching for prey in a threeâ€dimensional environment: hierarchical movements enhance foraging success in northern elephant seals. Functional Ecology, 2017, 31, 361-369.	1.7	52
16	Acceleration-triggered animal-borne videos show a dominance of fish in the diet of female northern elephant seals. Journal of Experimental Biology, 2020, 223, .	0.8	50
17	Oxygen minimum zone: An important oceanographic habitat for deepâ€diving northern elephant seals, Mirounga angustirostris. Ecology and Evolution, 2017, 7, 6259-6270.	0.8	49
18	Spatially Extensive Standardized Surveys Reveal Widespread, Multi-Decadal Increase in East Antarctic AdÃ©lie Penguin Populations. PLoS ONE, 2015, 10, e0139877.	1.1	47

#	Article	IF	Citations
19	The foraging benefits of being fat in a highly migratory marine mammal. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20142120.	1.2	45
20	From the Eye of the Albatrosses: A Bird-Borne Camera Shows an Association between Albatrosses and a Killer Whale in the Southern Ocean. PLoS ONE, 2009, 4, e7322.	1.1	44
21	Krill-feeding behaviour of gentoo penguins as shown by animal-borne camera loggers. Polar Biology, 2008, 31, 1291-1294.	0.5	43
22	Synchronous diving behavior of Adï¿½lie penguins. Journal of Ethology, 2004, 22, 5-11.	0.4	40
23	Water temperature sampling by foraging BrÃ¼nnich's Guillemots with bird-borne data loggers. Journal of Avian Biology, 2001, 32, 189-193.	0.6	39
24	Global political responsibility for the conservation of albatrosses and large petrels. Science Advances, 2021, 7, .	4.7	38
25	Foraging behavior links sea ice to breeding success in Antarctic penguins. Science Advances, 2020, 6, eaba4828.	4.7	35
26	Reproductive performance and diving behaviour share a common seaâ€ice concentration optimum in AdÃ©lie penguins (Pygoscelis adeliae). Global Change Biology, 2018, 24, 5304-5317.	4.2	34
27	Large-scale population assessment informs conservation management for seabirds in Antarctica and the Southern Ocean: A case study of AdÃ©lie penguins. Global Ecology and Conservation, 2017, 9, 104-115.	1.0	30
28	Heart rate and estimated energy expenditure of flapping and gliding in black-browed albatrosses. Journal of Experimental Biology, 2013, 216, 3175-82.	0.8	28
29	The retrospective analysis of Antarctic tracking data project. Scientific Data, 2020, 7, 94.	2.4	27
30	Lightscapes of fear: How mesopredators balance starvation and predation in the open ocean. Science Advances, 2021, 7, .	4.7	27
31	Feeding area specialization of chick-rearing AdÃ©lie Penguins Pygoscelis adeliae in a fast sea-ice area. Ibis, 2003, 145, 558-564.	1.0	24
32	The jellyfish buffet: jellyfish enhance seabird foraging opportunities by concentrating prey. Biology Letters, 2015, 11, 20150358.	1.0	24
33	Forced into an ecological corner: Round-the-clock deep foraging on small prey by elephant seals. Science Advances, 2021, 7, .	4.7	24
34	Foraging segregation of two congeneric diving seabird species breeding on St. George Island, Bering Sea. Biogeosciences, 2016, 13, 2579-2591.	1.3	16
35	AdÃ©lie penguinsâ€™ extensive seasonal migration supports dynamic Marine Protected Area planning in Antarctica. Marine Policy, 2019, 109, 103692.	1.5	14
36	Niche partitioning of sympatric penguins by leapfrog foraging appears to be resilient to climate change. Journal of Animal Ecology, 2019, 88, 223-235.	1.3	14

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37	Proximity of krill and salps in an Antarctic coastal ecosystem: evidence from penguin-mounted cameras. Polar Biology, 2013, 36, 1857-1864.	0.5	11
38	Differential responses of seabirds to environmental variability over 2 years in the continental shelf and oceanic habitats of southeastern Bering Sea. Biogeosciences, 2016, 13, 2405-2414.	1.3	10
39	Interâ€colony foraging area segregation quantified in small colonies of AdÃ©lie Penguins. Ibis, 2021, 163, 90-98.	1.0	9
40	Recent studies overestimate colonization and extinction events for Adelie Penguin breeding colonies. Auk, 2017, 134, 39-50.	0.7	8
41	Inferring prey size variation from mandible acceleration in northern elephant seals. Marine Mammal Science, 2019, 35, 893-908.	0.9	8
42	Whiskers as hydrodynamic prey sensors in foraging seals. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	8
43	Advances in biologging science: a review of bird studies. Japanese Journal of Ornithology, 2010, 59, 3-19.	0.0	7
44	Rhinoceros Auklet pairâ€mates migrate independently but synchronize their foraging activity during the preâ€laying period. Ibis, 2018, 160, 832-845.	1.0	5
45	Individual Variation of Foraging Behavior and Food Provisioning in AdÃ©Lie Penguins (Pygoscelis) Tj ETQq1 1 0.784314 rgBT /Overloc	0.7	4
46	The Designated Shipping Avoidance Area Around St. Lawrence Island, Northern Bering Sea, Is not Sufficient to Protect Foraging Habitat of the Islandâ€™s Breeding Seabird Community. Frontiers in Marine Science, 0, 9, .	1.2	0