Tomonari Akamatsu

List of Publications by Year
in descending order

83	2,578	236925 25	206112 48
papers	citations	h-index	g-index

94	94	94	1925
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First human-caused extinction of a cetacean species?. Biology Letters, 2007, 3, 537-540.	2.3	431
2	Empirical refinements applicable to the recording of fish sounds in small tanks. Journal of the Acoustical Society of America, 2002, 112, 3073-3082.	1.1	249
3	Stroke frequency, but not swimming speed, is related to body size in free-ranging seabirds, pinnipeds and cetaceans. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 471-477.	2.6	176
4	Abundance and conservation status of the Yangtze finless porpoise in the Yangtze River, China. Biological Conservation, 2008, 141, 3006-3018.	4.1	136
5	EFFECTS OF AMBIENT NOISE ON THE WHISTLES OF INDO-PACIFIC BOTTLENOSE DOLPHIN POPULATIONS. Journal of Mammalogy, 2005, 86, 541-546.	1.3	106
6	Biosonar behaviour of free-ranging porpoises. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 797-801.	2.6	98
7	Echolocation signals of the free-ranging Yangtze finless porpoise (Neophocaena phocaenoides) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	60
8	Biosonar, dive, and foraging activity of satellite tracked harbor porpoises (Phocoena) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (p	1.8	60
9	Comparison of stationary acoustic monitoring and visual observation of finless porpoises. Journal of the Acoustical Society of America, 2009, 125, 547-553.	1.1	54
10	Seasonal changes in the local distribution of Yangtze finless porpoises related to fish presence. Marine Mammal Science, 2012, 28, 308-324.	1.8	49
11	Passive Acoustic Monitoring the Diel, Lunar, Seasonal and Tidal Patterns in the Biosonar Activity of the Indo-Pacific Humpback Dolphins (Sousa chinensis) in the Pearl River Estuary, China. PLoS ONE, 2015, 10, e0141807.	2.5	40
12	A passive acoustic monitoring method applied to observation and group size estimation of finless porpoises. Journal of the Acoustical Society of America, 2005, 118, 1180-1185.	1.1	38
13	Comparison between visual and passive acoustic detection of finless porpoises in the Yangtze River, China. Journal of the Acoustical Society of America, 2001, 109, 1723-1727.	1.1	37
14	Dugong (Dugong dugon) vocalization patterns recorded by automatic underwater sound monitoring systems. Journal of the Acoustical Society of America, 2006, 119, 3726-3733.	1.1	36
15	Density estimation of Yangtze finless porpoises using passive acoustic sensors and automated click train detection. Journal of the Acoustical Society of America, 2010, 128, 1435-1445.	1.1	36
16	Echolocation signals of Heavisideâ€™s dolphins (Cephalorhynchus heavisidii). Journal of the Acoustical Society of America, 2011, 129, 449-457.	1.1	36
17	The Diel Rhythms of Biosonar Behavior in the Yangtze Finless Porpoise (Neophocaena asiaeorientalis) Tj ETQq1 1 0.784314 rgBT /Ove Traffic. PLoS ONE, 2014, 9, e97907.	2.5	36
18	A method for individual identification of echolocation signals in free-ranging finless porpoises carrying data loggers. Journal of the Acoustical Society of America, 2000, 108, 1353.	1.1	34

#	Article	IF	Citations
19	Off-axis sonar beam pattern of free-ranging finless porpoises measured by a stereo pulse event data logger. Journal of the Acoustical Society of America, 2005, 117, 3325-3330.	1.1	34
20	Frequent and prolonged nocturnal occupation of port areas by Yangtze finless porpoises (Neophocaena asiaeorientalis): Forced choice for feeding?. Integrative Zoology, 2015, 10, 122-132.	2.6	32
21	Echolocation click sounds from wild inshore finless porpoise (Neophocaena phocaenoides sunameri) with comparisons to the sonar of riverine N. p. asiaeorientalis. Journal of the Acoustical Society of America, 2007, 121, 3938.	1.1	31
22	ANALYSES OF SMALL TANK ACOUSTICS: EMPIRICAL AND THEORETICAL APPROACHES. Bioacoustics, 2002, 12, 330-332.	1.7	27
23	To See or Not to See: Investigating Detectability of Ganges River Dolphins Using a Combined Visual-Acoustic Survey. PLoS ONE, 2014, 9, e96811.	2.5	27
24	ECHOLOCATION RATES OF TWO HARBOR PORPOISES (PHOCOENA PHOCOENA). Marine Mammal Science, 1994, 10, 401-411.	1.8	26
25	Comparison of passive acoustic soniferous fish monitoring with supervised and unsupervised approaches. Journal of the Acoustical Society of America, 2018, 143, EL278-EL284.	1.1	26
26	Change in singing behavior of humpback whales caused by shipping noise. PLoS ONE, 2018, 13, e0204112.	2.5	26
27	Sonar gain control in echolocating finless porpoises (Neophocaena phocaenoides) in an open water. Journal of the Acoustical Society of America, 2006, 120, 1803-1806.	1.1	25
28	Measuring the target strength spectra of fish using dolphin-like short broadband sonar signals. Journal of the Acoustical Society of America, 2008, 124, 3440-3449.	1.1	24
29	Tread-water feeding of Brydeâ€™s whales. Current Biology, 2017, 27, R1154-R1155.	3.9	24
30	Yangtze finless porpoises along the main channel of Poyang Lake, China: Implications for conservation. Marine Mammal Science, 2015, 31, 612-628.	1.8	22
31	Localization and tracking of phonating finless porpoises using towed stereo acoustic data-loggers. Journal of the Acoustical Society of America, 2009, 126, 468-475.	1.1	21
32	An automatic detection algorithm for extracting the representative frequency of cetacean tonal sounds. Journal of the Acoustical Society of America, 2013, 134, 2477-2485.	1.1	21
33	Using Soundscapes to Assess Deep-Sea Benthic Ecosystems. Trends in Ecology and Evolution, 2019, 34, 1066-1069.	8.7	21
34	Soundscape of an Indo-Pacific humpback dolphin (Sousa chinensis) hotspot before windfarm construction in the Pearl River Estuary, China: Do dolphin engage in noise avoidance and passive eavesdropping behavior?. Marine Pollution Bulletin, 2019, 140, 509-522.	5.0	21
35	Estimated detection distance of a baijiâ€™s (Chinese river dolphin, Lipotes vexillifer) whistles using a passive acoustic survey method. Journal of the Acoustical Society of America, 2006, 120, 1361-1365.	1.1	20
36	Origin of the double- and multi-pulse structure of echolocation signals in Yangtze finless porpoise (Neophocaena phocaenoides asiaeorientialis). Journal of the Acoustical Society of America, 2005, 118, 3934-3940.	1.1	19

#	Article	IF	Citations
37	Feeding behavior of wild dugongs monitored by a passive acoustical method. Journal of the Acoustical Society of America, 2006, 120, 1356-1360.	1.1	19
38	Exploring coral reef biodiversity via underwater soundscapes. Biological Conservation, 2021, 253, 108901.	4.1	19
39	Widespread passive acoustic detection of Yangtze finless porpoise using miniature stereo acoustic data-loggers: A review. Journal of the Acoustical Society of America, 2010, 128, 1476-1482.	1.1	18
40	The migration of fin whales into the southern Chukchi Sea as monitored with passive acoustics. ICES Journal of Marine Science, 2016, 73, 2085-2092.	2.5	18
41	Silent porpoise: potential sleeping behaviour identified in wild harbour porpoises. Animal Behaviour, 2017, 133, 211-222.	1.9	18
42	The ontogeny of echolocation in a Yangtze finless porpoise (Neophocaena phocaenoides) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (	1.1	17
43	INDIRECT EVIDENCE OF BOAT AVOIDANCE BEHAVIOR OF YANGTZE FINLESS PORPOISES. Bioacoustics, 2008, 17, 174-176.	1.7	17
44	Detection probability of vocalizing dugongs during playback of conspecific calls. Journal of the Acoustical Society of America, 2009, 126, 1954-1959.	1.1	17
45	Callback response of dugongs to conspecific chirp playbacks. Journal of the Acoustical Society of America, 2011, 129, 3623-3629.	1.1	17
46	Automatic detection of dolphin whistles and clicks based on entropy approach. Ecological Indicators, 2020, 117, 106559.	6.3	14
47	Evoked-potential audiogram variability in a group of wild Yangtze finless porpoises (Neophocaena) Tj ETQq1 1 0.784314 rgBT /Overlo and Behavioral Physiology, 2020, 206, 527-541.	1.6	14
48	Simultaneous production of low- and high-frequency sounds by neonatal finless porpoises. Journal of the Acoustical Society of America, 2008, 124, 716-718.	1.1	13
49	Sound variation and function in captive Commerson's dolphins (Cephalorhynchus commersonii). Behavioural Processes, 2014, 108, 11-19.	1.1	13
50	Variation in the production rate of biosonar signals in freshwater porpoises. Journal of the Acoustical Society of America, 2013, 133, 3128-3134.	1.1	12
51	Do Porpoises Choose Their Associates? A New Method for Analyzing Social Relationships among Cetaceans. PLoS ONE, 2011, 6, e28836.	2.5	11
52	Automatic detection of fish sounds based on multi-stage classification including logistic regression via adaptive feature weighting. Journal of the Acoustical Society of America, 2018, 144, 2709-2718.	1.1	11
53	Riverside underwater noise pollution threaten porpoises and fish along the middle and lower reaches of the Yangtze River, China. Ecotoxicology and Environmental Safety, 2021, 226, 112860.	6.0	11
54	Leave or stay? Video-logger revealed foraging efficiency of humpback whales under temporal change in prey density. PLoS ONE, 2019, 14, e0211138.	2.5	10

#	Article	IF	Citations
55	Diversity of fish sound types in the Pearl River Estuary, China. PeerJ, 2017, 5, e3924.	2.0	10
56	Passive acoustic survey of Yangtze finless porpoises using a cargo ship as a moving platform. Journal of the Acoustical Society of America, 2011, 130, 2285-2292.	1.1	9
57	Coastal development threatens Datan area supporting greatest fish diversity at Taoyuan Algal Reef, northwestern Taiwan. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 590-604.	2.0	9
58	Sensing ecosystem dynamics via audio source separation: A case study of marine soundscapes off northeastern Taiwan. PLoS Computational Biology, 2021, 17, e1008698.	3.2	9
59	A multimodal detection model of dolphins to estimate abundance validated by field experiments. Journal of the Acoustical Society of America, 2013, 134, 2418-2426.	1.1	8
60	Acoustic discrimination between harbor porpoises and delphinids by using a simple two-band comparison. Journal of the Acoustical Society of America, 2014, 136, 922-929.	1.1	8
61	Local habitat use by botos (Amazon river dolphins, Inia geoffrensis) using passive acoustic methods. Marine Mammal Science, 2016, 32, 220-240.	1.8	8
62	Preliminary evaluation of underwater sound detection by the cephalopod statocyst using a forced oscillation model. Acoustical Science and Technology, 2011, 32, 255-260.	0.5	8
63	Analysis of the temporal structure of fish echoes using the dolphin broadband sonar signal. Journal of the Acoustical Society of America, 2009, 126, 444-450.	1.1	7
64	Acoustic capture-recapture method for towed acoustic surveys of echolocating porpoises. Journal of the Acoustical Society of America, 2014, 135, 3364-3370.	1.1	7
65	Acoustically invisible feeding blue whales in Northern Icelandic waters. Journal of the Acoustical Society of America, 2014, 136, 939-944.	1.1	7
66	Presence and behavior of harbor porpoises (Phocoena phocoena) around set nets revealed using passive acoustic monitoring. Fisheries Research, 2018, 204, 269-274.	1.7	7
67	Baseline soundscapes of deepâ€sea habitats reveal heterogeneity among ecosystems and sensitivity to anthropogenic impacts. Limnology and Oceanography, 2021, 66, 3714-3727.	3.1	7
68	Annual variation of oceanographic conditions changed migration timing of bowhead whales Balaena mysticetus in the southern Chukchi Sea. Polar Biology, 2021, 44, 2289-2298.	1.2	7
69	Auditory sensitivity in aquatic animals. Journal of the Acoustical Society of America, 2016, 139, 3097-3101.	1.1	6
70	Auditory evoked potential in stranded melon-headed whales (Peponocephala electra): With severe hearing loss and possibly caused by anthropogenic noise pollution. Ecotoxicology and Environmental Safety, 2021, 228, 113047.	6.0	6
71	ACOUSTIC SIGNALS AND AGGRESSIVE CONFLICTS IN THE SKUNK LOACHBOTIA MORLETI:INTEGRATING SENSORY AND BEHAVIOURAL APPROACHES. Bioacoustics, 2002, 12, 257-259.	1.7	5
72	Acoustic characteristics of biosonar sounds of free-ranging botos (Inia geoffrensis) and tucuxis (Sotalia fluviatilis) in the Negro River, Amazon, Brazil. Journal of the Acoustical Society of America, 2015, 138, 687-693.	1.1	5

#	Article	IF	Citations
73	Diel changes in ribbon seal Histriophoca fasciata vocalizations during sea ice presence in the Nemuro Strait, Sea of Okhotsk. Polar Biology, 2018, 41, 451-456.	1.2	5
74	Foraging activity of harbour porpoises around a bottom-gillnet in a coastal fishing ground, under the risk of bycatch. PLoS ONE, 2021, 16, e0246838.	2.5	3
75	Spatial distribution maps of real-time ocean observation platforms and sensors in Japanese waters. Marine Policy, 2022, 141, 105102.	3.2	2
76	Contamination of Auditory Evoked Potential of Goldfish Carassius auratus with Microphonic Potential. The Journal of the Marine Acoustics Society of Japan, 2006, 33, 85-88.	0.2	1
77	Tracking Individual Fish in a Dense School with a Broadband Split-beam System. The Journal of the Marine Acoustics Society of Japan, 2014, 41, 169-182.	0.2	1
78	Passive acoustic monitoring of the distribution patterns of Irrawaddy dolphins (Orcaella) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (36, 1241-1253.	1.8	1
79	Seasonal and diel changes in cetacean vocalizations monitored by passive acoustic methods in Nemuro Strait adjacent to the Shiretoko World Natural Heritage Site. Marine Mammal Science, 2021, 37, 1330-1340.	1.8	1
80	Recent advances in Bio-logging science and technology in Asia. Environmental Science and Pollution Research, 2008, 15, 173-175.	5.3	0
81	Bilateral bioacoustics research of Chinese freshwater dolphins. Acoustical Science and Technology, 2009, 30, 13-17.	0.5	0
82	Measurement of the Stable Sound Field in the Small Tank for Simple Calibration. The Journal of the Marine Acoustics Society of Japan, 2018, 45, 99-109.	0.2	0
83	Estimation of Direction of Arrival of Fish Calls in a Chorus Using Stereo Hydrophones. Marine Technology Society Journal, 2017, 51, 68-75.	0.4	0