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	Spatial distribution maps of real-time ocean observation platforms and sensors in Japanese waters. Marine Policy, 2022, 141, 105102.	3.2	2
2	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
3	Exploring coral reef biodiversity via underwater soundscapes. Biological Conservation, 2021, 253, 108901.	4.1	19
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Automatic detection of dolphin whistles and clicks based on entropy approach. Ecological Indicators, 2020, 117, 106559.	6.3	14
12	Passive acoustic monitoring of the distribution patterns of Irrawaddy dolphins (Orcaella) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (36, 1241-1253.	1.8	1
13	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
14	Using Soundscapes to Assess Deep-Sea Benthic Ecosystems. Trends in Ecology and Evolution, 2019, 34, 1066-1069.	8.7	21
15	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
16	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
17	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
18	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

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19	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
20	Change in singing behavior of humpback whales caused by shipping noise. PLoS ONE, 2018, 13, e0204112.	2.5	26
21	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
22	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
23	Silent porpoise: potential sleeping behaviour identified in wild harbour porpoises. Animal Behaviour, 2017, 133, 211-222.	1.9	18
24	Tread-water feeding of Brydeâ€™s whales. Current Biology, 2017, 27, R1154-R1155.	3.9	24
25	Diversity of fish sound types in the Pearl River Estuary, China. PeerJ, 2017, 5, e3924.	2.0	10
26	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
27	Auditory sensitivity in aquatic animals. Journal of the Acoustical Society of America, 2016, 139, 3097-3101.	1.1	6
28	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
29	Local habitat use by botos (Amazon river dolphins, Inia geoffrensis) using passive acoustic methods. Marine Mammal Science, 2016, 32, 220-240.	1.8	8
30	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
31	Yangtze finless porpoises along the main channel of Poyang Lake, China: Implications for conservation. Marine Mammal Science, 2015, 31, 612-628.	1.8	22
32	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
33	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
34	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
35	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
36	Acoustically invisible feeding blue whales in Northern Icelandic waters. Journal of the Acoustical Society of America, 2014, 136, 939-944.	1.1	7

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37	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
38	Sound variation and function in captive Commerson's dolphins (Cephalorhynchus commersonii). Behavioural Processes, 2014, 108, 11-19.	1.1	13
39	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
40	The Diel Rhythms of Biosonar Behavior in the Yangtze Finless Porpoise (Neophocaena asiaeorientalis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Traffic. PLoS ONE, 2014, 9, e97907.	2.5	36
41	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
42	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
43	Biosonar, dive, and foraging activity of satellite tracked harbor porpoises (Phocoena) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.8	60
44	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
45	Seasonal changes in the local distribution of Yangtze finless porpoises related to fish presence. Marine Mammal Science, 2012, 28, 308-324.	1.8	49
46	Do Porpoises Choose Their Associates? A New Method for Analyzing Social Relationships among Cetaceans. PLoS ONE, 2011, 6, e28836.	2.5	11
47	Echolocation signals of Heavisideâ€™s dolphins (Cephalorhynchus heavisidii). Journal of the Acoustical Society of America, 2011, 129, 449-457.	1.1	36
48	Callback response of dugongs to conspecific chirp playbacks. Journal of the Acoustical Society of America, 2011, 129, 3623-3629.	1.1	17
49	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
50	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
51	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
52	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
53	Bilateral bioacoustics research of Chinese freshwater dolphins. Acoustical Science and Technology, 2009, 30, 13-17.	0.5	0
54	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

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55	Detection probability of vocalizing dugongs during playback of conspecific calls. Journal of the Acoustical Society of America, 2009, 126, 1954-1959.	1.1	17
56	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
57	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
58	Recent advances in Bio-logging science and technology in Asia. Environmental Science and Pollution Research, 2008, 15, 173-175.	5.3	0
59	Abundance and conservation status of the Yangtze finless porpoise in the Yangtze River, China. Biological Conservation, 2008, 141, 3006-3018.	4.1	136
60	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
61	INDIRECT EVIDENCE OF BOAT AVOIDANCE BEHAVIOR OF YANGTZE FINLESS PORPOISES. Bioacoustics, 2008, 17, 174-176.	1.7	17
62	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
63	The ontogeny of echolocation in a Yangtze finless porpoise (Neophocaena phocaenoides) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.1	17
64	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
65	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
66	First human-caused extinction of a cetacean species?. Biology Letters, 2007, 3, 537-540.	2.3	431
67	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
68	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
69	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
70	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
71	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
72	Echolocation signals of the free-ranging Yangtze finless porpoise (Neophocaena phocaenoides) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.1	60

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73	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
74	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
75	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
76	Biosonar behaviour of free-ranging porpoises. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 797-801.	2.6	98
77	EFFECTS OF AMBIENT NOISE ON THE WHISTLES OF INDO-PACIFIC BOTTLENOSE DOLPHIN POPULATIONS. Journal of Mammalogy, 2005, 86, 541-546.	1.3	106
78	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
79	ACOUSTIC SIGNALS AND AGGRESSIVE CONFLICTS IN THE SKUNK LOACHBOTIA MORLETI:INTEGRATING SENSORY AND BEHAVIOURAL APPROACHES. Bioacoustics, 2002, 12, 257-259.	1.7	5
80	ANALYSES OF SMALL TANK ACOUSTICS: EMPIRICAL AND THEORETICAL APPROACHES. Bioacoustics, 2002, 12, 330-332.	1.7	27
81	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
82	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
83	ECHOLOCATION RATES OF TWO HARBOR PORPOISES (PHOCOENA PHOCOENA). Marine Mammal Science, 1994, 10, 401-411.	1.8	26