

Tomonari Akamatsu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9585125/publications.pdf>

Version: 2024-02-01

83
papers

2,578
citations

236612

25
h-index

205818

48
g-index

94
all docs

94
docs citations

94
times ranked

1925
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | First human-caused extinction of a cetacean species?. <i>Biology Letters</i> , 2007, 3, 537-540. | 1.0 | 431 |
| 2 | Empirical refinements applicable to the recording of fish sounds in small tanks. <i>Journal of the Acoustical Society of America</i> , 2002, 112, 3073-3082. | 0.5 | 249 |
| 3 | Stroke frequency, but not swimming speed, is related to body size in free-ranging seabirds, pinnipeds and cetaceans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 471-477. | 1.2 | 176 |
| 4 | Abundance and conservation status of the Yangtze finless porpoise in the Yangtze River, China. <i>Biological Conservation</i> , 2008, 141, 3006-3018. | 1.9 | 136 |
| 5 | EFFECTS OF AMBIENT NOISE ON THE WHISTLES OF INDO-PACIFIC BOTTLENOSE DOLPHIN POPULATIONS. <i>Journal of Mammalogy</i> , 2005, 86, 541-546. | 0.6 | 106 |
| 6 | Biosonar behaviour of free-ranging porpoises. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 797-801. | 1.2 | 98 |
| 7 | Echolocation signals of the free-ranging Yangtze finless porpoise (<i>Neophocaena phocaenoides</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 462 Td (p</i> | 0.5 | 60 |
| 8 | Biosonar, dive, and foraging activity of satellite tracked harbor porpoises (<i>Phocoena</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (p</i> | 0.9 | 60 |
| 9 | Comparison of stationary acoustic monitoring and visual observation of finless porpoises. <i>Journal of the Acoustical Society of America</i> , 2009, 125, 547-553. | 0.5 | 54 |
| 10 | Seasonal changes in the local distribution of Yangtze finless porpoises related to fish presence. <i>Marine Mammal Science</i> , 2012, 28, 308-324. | 0.9 | 49 |
| 11 | Passive Acoustic Monitoring the Diel, Lunar, Seasonal and Tidal Patterns in the Biosonar Activity of the Indo-Pacific Humpback Dolphins (<i>Sousa chinensis</i>) in the Pearl River Estuary, China. <i>PLoS ONE</i> , 2015, 10, e0141807. | 1.1 | 40 |
| 12 | A passive acoustic monitoring method applied to observation and group size estimation of finless porpoises. <i>Journal of the Acoustical Society of America</i> , 2005, 118, 1180-1185. | 0.5 | 38 |
| 13 | Comparison between visual and passive acoustic detection of finless porpoises in the Yangtze River, China. <i>Journal of the Acoustical Society of America</i> , 2001, 109, 1723-1727. | 0.5 | 37 |
| 14 | Dugong (<i>Dugong dugon</i>) vocalization patterns recorded by automatic underwater sound monitoring systems. <i>Journal of the Acoustical Society of America</i> , 2006, 119, 3726-3733. | 0.5 | 36 |
| 15 | Density estimation of Yangtze finless porpoises using passive acoustic sensors and automated click train detection. <i>Journal of the Acoustical Society of America</i> , 2010, 128, 1435-1445. | 0.5 | 36 |
| 16 | Echolocation signals of Heaviside's dolphins (<i>Cephalorhynchus heavisidii</i>). <i>Journal of the Acoustical Society of America</i> , 2011, 129, 449-457. | 0.5 | 36 |
| 17 | The Diel Rhythms of Biosonar Behavior in the Yangtze Finless Porpoise (<i>Neophocaena asiaeorientalis</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 462 Td (p</i> Traffic. <i>PLoS ONE</i> , 2014, 9, e97907. | 1.1 | 36 |
| 18 | A method for individual identification of echolocation signals in free-ranging finless porpoises carrying data loggers. <i>Journal of the Acoustical Society of America</i> , 2000, 108, 1353. | 0.5 | 34 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Off-axis sonar beam pattern of free-ranging finless porpoises measured by a stereo pulse event data logger. <i>Journal of the Acoustical Society of America</i> , 2005, 117, 3325-3330. | 0.5 | 34 |
| 20 | Frequent and prolonged nocturnal occupation of port areas by Yangtze finless porpoises (<i>Neophocaena asiaeorientalis</i>): Forced choice for feeding?. <i>Integrative Zoology</i> , 2015, 10, 122-132. | 1.3 | 32 |
| 21 | Echolocation click sounds from wild inshore finless porpoise (<i>Neophocaena phocaenoides sunameri</i>) with comparisons to the sonar of riverine <i>N. p. asiaeorientalis</i> . <i>Journal of the Acoustical Society of America</i> , 2007, 121, 3938. | 0.5 | 31 |
| 22 | ANALYSES OF SMALL TANK ACOUSTICS: EMPIRICAL AND THEORETICAL APPROACHES. <i>Bioacoustics</i> , 2002, 12, 330-332. | 0.7 | 27 |
| 23 | To See or Not to See: Investigating Detectability of Ganges River Dolphins Using a Combined Visual-Acoustic Survey. <i>PLoS ONE</i> , 2014, 9, e96811. | 1.1 | 27 |
| 24 | ECHOLOCATION RATES OF TWO HARBOR PORPOISES (<i>PHOCOENA PHOCOENA</i>). <i>Marine Mammal Science</i> , 1994, 10, 401-411. | 0.9 | 26 |
| 25 | Comparison of passive acoustic soniferous fish monitoring with supervised and unsupervised approaches. <i>Journal of the Acoustical Society of America</i> , 2018, 143, EL278-EL284. | 0.5 | 26 |
| 26 | Change in singing behavior of humpback whales caused by shipping noise. <i>PLoS ONE</i> , 2018, 13, e0204112. | 1.1 | 26 |
| 27 | Sonar gain control in echolocating finless porpoises (<i>Neophocaena phocaenoides</i>) in an open water. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 1803-1806. | 0.5 | 25 |
| 28 | Measuring the target strength spectra of fish using dolphin-like short broadband sonar signals. <i>Journal of the Acoustical Society of America</i> , 2008, 124, 3440-3449. | 0.5 | 24 |
| 29 | Tread-water feeding of Bryde's whales. <i>Current Biology</i> , 2017, 27, R1154-R1155. | 1.8 | 24 |
| 30 | Yangtze finless porpoises along the main channel of Poyang Lake, China: Implications for conservation. <i>Marine Mammal Science</i> , 2015, 31, 612-628. | 0.9 | 22 |
| 31 | Localization and tracking of phonating finless porpoises using towed stereo acoustic data-loggers. <i>Journal of the Acoustical Society of America</i> , 2009, 126, 468-475. | 0.5 | 21 |
| 32 | An automatic detection algorithm for extracting the representative frequency of cetacean tonal sounds. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 2477-2485. | 0.5 | 21 |
| 33 | Using Soundscapes to Assess Deep-Sea Benthic Ecosystems. <i>Trends in Ecology and Evolution</i> , 2019, 34, 1066-1069. | 4.2 | 21 |
| 34 | Soundscape of an Indo-Pacific humpback dolphin (<i>Sousa chinensis</i>) hotspot before windfarm construction in the Pearl River Estuary, China: Do dolphin engage in noise avoidance and passive eavesdropping behavior?. <i>Marine Pollution Bulletin</i> , 2019, 140, 509-522. | 2.3 | 21 |
| 35 | Estimated detection distance of a baiji's (Chinese river dolphin, <i>Lipotes vexillifer</i>) whistles using a passive acoustic survey method. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 1361-1365. | 0.5 | 20 |
| 36 | Origin of the double- and multi-pulse structure of echolocation signals in Yangtze finless porpoise (<i>Neophocaena phocaenoides asiaeorientalis</i>). <i>Journal of the Acoustical Society of America</i> , 2005, 118, 3934-3940. | 0.5 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Feeding behavior of wild dugongs monitored by a passive acoustical method. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 1356-1360. | 0.5 | 19 |
| 38 | Exploring coral reef biodiversity via underwater soundscapes. <i>Biological Conservation</i> , 2021, 253, 108901. | 1.9 | 19 |
| 39 | Widespread passive acoustic detection of Yangtze finless porpoise using miniature stereo acoustic data-loggers: A review. <i>Journal of the Acoustical Society of America</i> , 2010, 128, 1476-1482. | 0.5 | 18 |
| 40 | The migration of fin whales into the southern Chukchi Sea as monitored with passive acoustics. <i>ICES Journal of Marine Science</i> , 2016, 73, 2085-2092. | 1.2 | 18 |
| 41 | Silent porpoise: potential sleeping behaviour identified in wild harbour porpoises. <i>Animal Behaviour</i> , 2017, 133, 211-222. | 0.8 | 18 |
| 42 | The ontogeny of echolocation in a Yangtze finless porpoise (<i>Neophocaena phocaenoides</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td | 0.5 | 17 |
| 43 | INDIRECT EVIDENCE OF BOAT AVOIDANCE BEHAVIOR OF YANGTZE FINLESS PORPOISES. <i>Bioacoustics</i> , 2008, 17, 174-176. | 0.7 | 17 |
| 44 | Detection probability of vocalizing dugongs during playback of conspecific calls. <i>Journal of the Acoustical Society of America</i> , 2009, 126, 1954-1959. | 0.5 | 17 |
| 45 | Callback response of dugongs to conspecific chirp playbacks. <i>Journal of the Acoustical Society of America</i> , 2011, 129, 3623-3629. | 0.5 | 17 |
| 46 | Automatic detection of dolphin whistles and clicks based on entropy approach. <i>Ecological Indicators</i> , 2020, 117, 106559. | 2.6 | 14 |
| 47 | Evoked-potential audiogram variability in a group of wild Yangtze finless porpoises (<i>Neophocaena</i>) Tj ETQq1 1 0.784314 rgBT /Overlock and Behavioral Physiology, 2020, 206, 527-541. | 0.7 | 14 |
| 48 | Simultaneous production of low- and high-frequency sounds by neonatal finless porpoises. <i>Journal of the Acoustical Society of America</i> , 2008, 124, 716-718. | 0.5 | 13 |
| 49 | Sound variation and function in captive Commerson's dolphins (<i>Cephalorhynchus commersonii</i>). <i>Behavioural Processes</i> , 2014, 108, 11-19. | 0.5 | 13 |
| 50 | Variation in the production rate of biosonar signals in freshwater porpoises. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 3128-3134. | 0.5 | 12 |
| 51 | Do Porpoises Choose Their Associates? A New Method for Analyzing Social Relationships among Cetaceans. <i>PLoS ONE</i> , 2011, 6, e28836. | 1.1 | 11 |
| 52 | Automatic detection of fish sounds based on multi-stage classification including logistic regression via adaptive feature weighting. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 2709-2718. | 0.5 | 11 |
| 53 | Riverside underwater noise pollution threaten porpoises and fish along the middle and lower reaches of the Yangtze River, China. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112860. | 2.9 | 11 |
| 54 | Leave or stay? Video-logger revealed foraging efficiency of humpback whales under temporal change in prey density. <i>PLoS ONE</i> , 2019, 14, e0211138. | 1.1 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Diversity of fish sound types in the Pearl River Estuary, China. PeerJ, 2017, 5, e3924. | 0.9 | 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. | 0.5 | 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. | 0.9 | 9 |
| 58 | Sensing ecosystem dynamics via audio source separation: A case study of marine soundscapes off northeastern Taiwan. PLoS Computational Biology, 2021, 17, e1008698. | 1.5 | 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. | 0.5 | 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. | 0.5 | 8 |
| 61 | Local habitat use by botos (Amazon river dolphins, <i>Inia geoffrensis</i>) using passive acoustic methods. Marine Mammal Science, 2016, 32, 220-240. | 0.9 | 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. | 0.3 | 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. | 0.5 | 7 |
| 64 | Acoustic capture-recapture method for towed acoustic surveys of echolocating porpoises. Journal of the Acoustical Society of America, 2014, 135, 3364-3370. | 0.5 | 7 |
| 65 | Acoustically invisible feeding blue whales in Northern Icelandic waters. Journal of the Acoustical Society of America, 2014, 136, 939-944. | 0.5 | 7 |
| 66 | Presence and behavior of harbor porpoises (<i>Phocoena phocoena</i>) around set nets revealed using passive acoustic monitoring. Fisheries Research, 2018, 204, 269-274. | 0.9 | 7 |
| 67 | Baseline soundscapes of deep-sea habitats reveal heterogeneity among ecosystems and sensitivity to anthropogenic impacts. Limnology and Oceanography, 2021, 66, 3714-3727. | 1.6 | 7 |
| 68 | Annual variation of oceanographic conditions changed migration timing of bowhead whales <i>Balaena mysticetus</i> in the southern Chukchi Sea. Polar Biology, 2021, 44, 2289-2298. | 0.5 | 7 |
| 69 | Auditory sensitivity in aquatic animals. Journal of the Acoustical Society of America, 2016, 139, 3097-3101. | 0.5 | 6 |
| 70 | Auditory evoked potential in stranded melon-headed whales (<i>Peponocephala electra</i>): With severe hearing loss and possibly caused by anthropogenic noise pollution. Ecotoxicology and Environmental Safety, 2021, 228, 113047. | 2.9 | 6 |
| 71 | ACOUSTIC SIGNALS AND AGGRESSIVE CONFLICTS IN THE SKUNK LOACHBOTIA MORLETI: INTEGRATING SENSORY AND BEHAVIOURAL APPROACHES. Bioacoustics, 2002, 12, 257-259. | 0.7 | 5 |
| 72 | Acoustic characteristics of biosonar sounds of free-ranging botos (<i>Inia geoffrensis</i>) and tucuxis (<i>Sotalia fluviatilis</i>) in the Negro River, Amazon, Brazil. Journal of the Acoustical Society of America, 2015, 138, 687-693. | 0.5 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Diel changes in ribbon seal <i>Histiophoca fasciata</i> vocalizations during sea ice presence in the Nemuro Strait, Sea of Okhotsk. <i>Polar Biology</i> , 2018, 41, 451-456. | 0.5 | 5 |
| 74 | Foraging activity of harbour porpoises around a bottom-gillnet in a coastal fishing ground, under the risk of bycatch. <i>PLoS ONE</i> , 2021, 16, e0246838. | 1.1 | 3 |
| 75 | Spatial distribution maps of real-time ocean observation platforms and sensors in Japanese waters. <i>Marine Policy</i> , 2022, 141, 105102. | 1.5 | 2 |
| 76 | Contamination of Auditory Evoked Potential of Goldfish <i>Carassius auratus</i> with Microphonic Potential. <i>The Journal of the Marine Acoustics Society of Japan</i> , 2006, 33, 85-88. | 0.2 | 1 |
| 77 | Tracking Individual Fish in a Dense School with a Broadband Split-beam System. <i>The Journal of the Marine Acoustics Society of Japan</i> , 2014, 41, 169-182. | 0.2 | 1 |
| 78 | Passive acoustic monitoring of the distribution patterns of Irrawaddy dolphins (<i>Orcaella</i>) in the Andaman Sea. <i>Journal of Marine Research</i> , 2017, 75, 1241-1253. | 0.9 | 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. <i>Marine Mammal Science</i> , 2021, 37, 1330-1340. | 0.9 | 1 |
| 80 | Recent advances in Bio-logging science and technology in Asia. <i>Environmental Science and Pollution Research</i> , 2008, 15, 173-175. | 2.7 | 0 |
| 81 | Bilateral bioacoustics research of Chinese freshwater dolphins. <i>Acoustical Science and Technology</i> , 2009, 30, 13-17. | 0.3 | 0 |
| 82 | Measurement of the Stable Sound Field in the Small Tank for Simple Calibration. <i>The Journal of the Marine Acoustics Society of Japan</i> , 2018, 45, 99-109. | 0.2 | 0 |
| 83 | Estimation of Direction of Arrival of Fish Calls in a Chorus Using Stereo Hydrophones. <i>Marine Technology Society Journal</i> , 2017, 51, 68-75. | 0.3 | 0 |