Tiago A Marques

List of Publications by Year
in descending order

98	5,195	147726 31	95218 68
papers	citations	h-index	g-index

112	112	112	4908
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distance software: design and analysis of distance sampling surveys for estimating population size. Journal of Applied Ecology, 2010, 47, 5-14.	1.9	1,621
2	Estimating animal population density using passive acoustics. Biological Reviews, 2013, 88, 287-309.	4.7	495
3	Estimating cetacean population density using fixed passive acoustic sensors: An example with Blainvilleâ€™s beaked whales. Journal of the Acoustical Society of America, 2009, 125, 1982-1994.	0.5	257
4	Improving Estimates of Bird Density Using Multiple- Covariate Distance Sampling. Auk, 2007, 124, 1229-1243.	0.7	207
5	IMPROVING ESTIMATES OF BIRD DENSITY USING MULTIPLE- COVARIATE DISTANCE SAMPLING. Auk, 2007, 124, 1229.	0.7	169
6	Cetacean population density estimation from single fixed sensors using passive acoustics. Journal of the Acoustical Society of America, 2011, 129, 3610-3622.	0.5	99
7	Selection of Priority Areas for Fish Conservation in Guadiana River Basin, Iberian Peninsula. Conservation Biology, 2004, 18, 189-200.	2.4	96
8	Estimating North Pacific right whale Eubalaena japonica density using passive acoustic cue counting. Endangered Species Research, 2011, 13, 163-172.	1.2	89
9	Line Transect Methods for Plant Surveys. Biometrics, 2007, 63, 989-998.	0.8	82
10	Using markâ€“recapture distance sampling methods on line transect surveys. Methods in Ecology and Evolution, 2014, 5, 1180-1191.	2.2	71
11	Point Transect Sampling Along Linear Features. Biometrics, 2010, 66, 1247-1255.	0.8	69
12	A Unifying Model for Captureâ€“Recapture and Distance Sampling Surveys of Wildlife Populations. Journal of the American Statistical Association, 2015, 110, 195-204.	1.8	66
13	Passive acoustic monitoring of beaked whale densities in the Gulf of Mexico. Scientific Reports, 2015, 5, 16343.	1.6	65
14	Estimating the Barents Sea polar bear subpopulation size. Marine Mammal Science, 2009, 25, 35-52.	0.9	64
15	The number and distribution of polar bears in the western Barents Sea. Polar Research, 2017, 36, 1374125.	1.6	64
16	Foraging behaviour, swimming performance and malformations of early stages of commercially important fishes under ocean acidification and warming. Climatic Change, 2016, 137, 495-509.	1.7	56
17	Spatial distribution of citizen science casuistic observations for different taxonomic groups. Scientific Reports, 2017, 7, 12832.	1.6	52
18	A Risk Function for Behavioral Disruption of Blainvilleâ€™s Beaked Whales (Mesoplodon densirostris) from Mid-Frequency Active Sonar. PLoS ONE, 2014, 9, e85064.	1.1	51

#	Article	IF	Citations
19	Predicting and Correcting Bias Caused by Measurement Error in Line Transect Sampling Using Multiplicative Error Models. Biometrics, 2004, 60, 757-763.	0.8	50
20	Optimizing Sampling Design to Deal with Mist-Net Avoidance in Amazonian Birds and Bats. PLoS ONE, 2013, 8, e74505.	1.1	49
21	Late summer distribution and abundance of ice-associated whales in the Norwegian High Arctic. Endangered Species Research, 2017, 32, 59-70.	1.2	49
22	A dive counting density estimation method for Blainvilleâ€™s beaked whale (Mesoplodon densirostris) using a bottom-mounted hydrophone field as applied to a Mid-Frequency Active (MFA) sonar operation. Applied Acoustics, 2010, 71, 1036-1042.	1.7	48
23	Passive Acoustic Monitoring for Estimating Animal Density. Acoustics Today, 2012, 8, 35.	1.0	47
24	Estimating minke whale (Balaenoptera acutorostrata) boing sound density using passive acoustic sensors. Marine Mammal Science, 2013, 29, 142-158.	0.9	46
25	Detectability in Audio-Visual Surveys of Tropical Rainforest Birds: The Influence of Species, Weather and Habitat Characteristics. PLoS ONE, 2015, 10, e0128464.	1.1	43
26	Estimating Distance Sampling Detection Functions When Distances Are Measured WithÂErrors. Journal of Agricultural, Biological, and Environmental Statistics, 2010, 15, 346-361.	0.7	42
27	Abundance of narwhals (Monodon monoceros) on the hunting grounds in Greenland. Journal of Mammalogy, 2010, 91, 1135-1151.	0.6	41
28	A wastewater-based epidemiology tool for COVID-19 surveillance in Portugal. Science of the Total Environment, 2022, 804, 150264.	3.9	41
29	The effect of sea-ice loss on beluga whales (Delphinapterus leucas) in West Greenland. Polar Research, 2010, 29, 198-208.	1.6	40
30	Modeling carcass removal time for avian mortality assessment in wind farms using survival analysis. Environmental and Ecological Statistics, 2013, 20, 147-165.	1.9	37
31	Accounting for animal density gradients using independent information in distance sampling surveys. Statistical Methods and Applications, 2013, 22, 67-80.	0.7	36
32	An Efficient Acoustic Density Estimation Method with Human Detectors Applied to Gibbons in Cambodia. PLoS ONE, 2016, 11, e0155066.	1.1	36
33	Fishing simulation experiments for predicting the effects of purse-seine capture on sardine (Sardina) Tj ETQq1 1 0.784314 rgBT /Over	1.2	35
34	Roaring and repetition: How bowhead whales adjust their call density and source level (Lombard) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 of America, 2020, 147, 2061-2080.	0.5	34
35	Spatially explicit captureâ€“recapture methods to estimate minke whale density from data collected at bottom-mounted hydrophones. Journal of Ornithology, 2012, 152, 445-455.	0.5	31
36	Passive acoustic density estimation of sperm whales in the Tongue of the Ocean, Bahamas. Marine Mammal Science, 2012, 28, E444.	0.9	31

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37	Comparing methods suitable for monitoring marine mammals in low visibility conditions during seismic surveys. Marine Pollution Bulletin, 2018, 126, 1-18.	2.3	31
38	Mediterranean mesocarnivores in spatially structured managed landscapes: community organisation in time and space. Agriculture, Ecosystems and Environment, 2017, 237, 280-289.	2.5	30
39	The Use of Global Positioning Systems to Record Distances in a Helicopter Line-Transect Survey. Wildlife Society Bulletin, 2006, 34, 759-763.	1.6	27
40	Beaked whale (Mesoplodon densirostris) passive acoustic detection in increasing ambient noise. Journal of the Acoustical Society of America, 2011, 129, 662-669.	0.5	27
41	New density estimates of a threatened sifaka species (Propithecus coquereli) in Ankarafantsika National Park. American Journal of Primatology, 2014, 76, 515-528.	0.8	27
42	Spatio-temporal variation in click production rates of beaked whales: Implications for passive acoustic density estimation. Journal of the Acoustical Society of America, 2017, 141, 1962-1974.	0.5	27
43	A hierarchical model for spatial captureâ€“recapture data: comment. Ecology, 2011, 92, 526-528.	1.5	25
44	Modeling the Diving Behavior of Whales: A Latent-Variable Approach with Feedback and Semi-Markovian Components. Journal of Agricultural, Biological, and Environmental Statistics, 2014, 19, 82-100.	0.7	25
45	Density estimation of sound-producing terrestrial animals using single automatic acoustic recorders and distance sampling. Avian Conservation and Ecology, 2018, 13, .	0.3	25
46	Tracking marine mammals in 3D using electronic tag data. Methods in Ecology and Evolution, 2015, 6, 987-996.	2.2	24
47	Living on the Edge: Roe Deer (Capreolus capreolus) Density in the Margins of Its Geographical Range. PLoS ONE, 2014, 9, e88459.	1.1	24
48	Diversity and patterns of marine nonâ€native species in the archipelagos of Macaronesia. Diversity and Distributions, 2022, 28, 667-684.	1.9	23
49	Conservation zones promote oak regeneration and shrub diversity in certified Mediterranean oak woodlands. Biological Conservation, 2016, 195, 226-234.	1.9	22
50	Where to nest? Ecological determinants of chimpanzee nest abundance and distribution at the habitat and tree species scale. American Journal of Primatology, 2015, 77, 186-199.	0.8	21
51	Delphinid echolocation click detection probability on near-seafloor sensors. Journal of the Acoustical Society of America, 2016, 140, 1918-1930.	0.5	21
52	Population Status of Pan troglodytes verus in Lagoas de Cufada Natural Park, Guinea-Bissau. PLoS ONE, 2013, 8, e71527.	1.1	20
53	Deep-diving beaked whales dive together but forage apart. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20201905.	1.2	18
54	Food talk: 40-Hz fin whale calls are associated with prey biomass. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211156.	1.2	18

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55	Discrimination and surveillance of infectious severe acute respiratory syndrome Coronavirus 2 in wastewater using cell culture and RT-qPCR. Science of the Total Environment, 2022, 815, 152914.	3.9	18
56	The response of otters to environmental changes imposed by the construction of large dams. Aquatic Conservation: Marine and Freshwater Ecosystems, 2014, 24, 66-80.	0.9	17
57	Baleen whale acoustic presence and behaviour at a Mid-Atlantic migratory habitat, the Azores Archipelago. Scientific Reports, 2020, 10, 4766.	1.6	16
58	Status assessment of the Critically Endangered Azores BullfinchPyrrhula murina. Bird Conservation International, 2011, 21, 477-489.	0.7	15
59	Mercury accumulation and tissue-specific antioxidant efficiency in the wild European sea bass (Dicentrarchus labrax) with emphasis on seasonality. Environmental Science and Pollution Research, 2014, 21, 10638-10651.	2.7	15
60	A new insight for monitoring ungulates: density surface modelling of roe deer in a Mediterranean habitat. European Journal of Wildlife Research, 2016, 62, 577-587.	0.7	15
61	From distance sampling to spatial captureâ€“recapture. AStA Advances in Statistical Analysis, 2017, 101, 475-494.	0.4	15
62	What’s biodiversity got to do with it? Perceptions of biodiversity and restorativeness in urban parks. Ecology and Society, 2021, 26, .	1.0	14
63	Underwater Ambient Noise in a Baleen Whale Migratory Habitat Off the Azores. Frontiers in Marine Science, 2017, 4, .	1.2	13
64	How to fit the distribution of apex scavengers into landâ€abandonment scenarios? The Cinereous vulture in the Mediterranean biome. Diversity and Distributions, 2018, 24, 1018-1031.	1.9	13
65	Allometric relationships to assess ontogenetic adaptative changes in three NE Atlantic commercial sea cucumbers (Echinodermata, Holothuroidea). Aquatic Ecology, 2021, 55, 711-720.	0.7	12
66	Modelling the Distribution of a Commercial NE-Atlantic Sea Cucumber, Holothuria mammata: Demographic and Abundance Spatio-Temporal Patterns. Frontiers in Marine Science, 2021, 8, .	1.2	12
67	Estimation bias under model selection for distance sampling detection functions. Environmental and Ecological Statistics, 2017, 24, 399-414.	1.9	11
68	Latitudinal variation in arrival and breeding phenology of the pied flycatcher Ficedula hypoleuca using largeâ€scale citizen science data. Journal of Avian Biology, 2021, 52, .	0.6	11
69	Estimating red deer abundance using the pellet-based distance sampling method. Journal of Forest Science, 2015, 61, 422-430.	0.5	10
70	Modelâ€based approaches to deal with detectability: a comment on Hutto (2016a). Ecological Applications, 2017, 27, 1694-1698.	1.8	10
71	Estimating group size from acoustic footprint to improve Blainvilleâ€™s beaked whale abundance estimation. Applied Acoustics, 2019, 156, 434-439.	1.7	9
72	Modeling population effects of the Deepwater Horizon oil spill on a longâ€lived species. Conservation Biology, 2021, , .	2.4	9

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73	First abundance estimate for white whales Delphinapterus leucas in Svalbard, Norway. Endangered Species Research, 2020, 41, 253-263.	1.2	8
74	Automated peak detection method for behavioral event identification: detecting Balaenoptera musculus and Grampus griseus feeding attempts. Animal Biotelemetry, 2019, 7, .	0.8	7
75	Patterns and Drivers of Rodent Abundance across a South African Multi-Use Landscape. Animals, 2021, 11, 2618.	1.0	7
76	Discrimination Between Parametric Survival Models for Removal Times of Bird Carcasses in Scavenger Removal Trials at Wind Turbines Sites. Studies in Theoretical and Applied Statistics, Selected Papers of the Statistical Societies, 2013, , 65-72.	0.2	7
77	Techniques for Estimating the Size of Low-Density Gopher Tortoise Populations. Journal of Fish and Wildlife Management, 2017, 8, 377-386.	0.4	7
78	Accounting for detection unveils the intricacy of wild boar and rabbit co-occurrence patterns in a Mediterranean landscape. Scientific Reports, 2020, 10, 6651.	1.6	6
79	Trends in cetacean research in the Eastern North Atlantic. Mammal Review, 2021, 51, 436-453.	2.2	6
80	Time to Abolish the Forced Swim Test in Rats for Depression Research?. Journal of Applied Animal Ethics Research, 2021, -1, 1-9.	0.2	6
81	Statistical power of goodness-of-fit tests based on the empirical distribution function for type-I right-censored data. Journal of Statistical Computation and Simulation, 2012, 82, 173-181.	0.7	5
82	The Relevance ofIn Silico,In Vitroand Non-human Primate Based Approaches to Clinical Research on Major Depressive Disorder. ATLA Alternatives To Laboratory Animals, 2019, 47, 128-139.	0.7	5
83	Estimating acoustic cue rates in bowhead whales, Balaena mysticetus, during their fall migration through the Alaskan Beaufort Sea. Journal of the Acoustical Society of America, 2021, 149, 3611-3625.	0.5	5
84	Chimpanzee (Pan troglodytes verus) Diet Composition and Food Availability in a Human-Modified Landscape at Lagoas de Cufada Natural Park, Guinea-Bissau. International Journal of Primatology, 2015, 36, 802-822.	0.9	4
85	Density and distribution of western chimpanzees around a bauxite deposit in the BoÃ© Sector, Guineaâ€Bissau. American Journal of Primatology, 2019, 81, e23047.	0.8	4
86	The Contribution of Rat Studies to Current Knowledge of Major Depressive Disorder: Results From Citation Analysis. Frontiers in Psychology, 2020, 11, 1486.	1.1	4
87	Molecular Epidemiology, Virulence Traits and Antimicrobial Resistance Signatures of Aeromonas spp. in the Critically Endangered Iberochondrostoma lusitanicum Follow Geographical and Seasonal Patterns. Antibiotics, 2021, 10, 759.	1.5	4
88	Drivers of human-wildlife impact events involving mammals in Southeastern Brazil. Science of the Total Environment, 2021, 794, 148600.	3.9	4
89	Are in vitro and in silico approaches used appropriately for animal-based major depressive disorder research?. PLoS ONE, 2020, 15, e0233954.	1.1	3
90	COVID-19: Nothing is Normal in this Pandemic. Journal of Epidemiology and Global Health, 2021, 11, 146.	1.1	3

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91	A comparison of three methods for estimating call densities of migrating bowhead whales using passive acoustic monitoring. Environmental and Ecological Statistics, 0, , 1.	1.9	3
92	Distance Sampling: Estimating Animal Density. Significance, 2009, 6, 136-137.	0.3	2
93	Model predicts catastrophic decline of common bottlenose dolphin (Tursiops truncatus) population under proposed land restoration project in Barataria Bay, Louisiana, <scp>USA</scp>. Marine Mammal Science, 0, , .	0.9	2
94	A Comment on Horcajada-SÃ¡nchez and Barja (2015): A Cautionary Tale about Left Truncation and Density Gradients in Distance Sampling. Annales Zoologici Fennici, 2016, 53, 52-54.	0.2	1
95	Herpes simplex virus 2 vasculitis as cause of ischemic stroke in a young immunocompromised patient. Journal of NeuroVirology, 2020, 26, 805-807.	1.0	1
96	Spider monkeys, the misunderstood assumptions of distance sampling and the pitfalls of poor field design. Biodiversity and Conservation, 2019, 28, 4119-4121.	1.2	0
97	Sympatric threatened Iberian leuciscids exhibit differences in Aeromonas diversity and skin lesionsâ€™ prevalence. PLoS ONE, 2021, 16, e0255850.	1.1	0
98	Counting Animals By Recording Their Voices. Frontiers for Young Minds, 0, 10, .	0.8	0