

Tiago A Marques

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

3,790
citations

29
h-index

60
g-index

112
ext. papers

4,438
ext. citations

3.3
avg, IF

5.18
L-index

#	Paper	IF	Citations
96	Discrimination and surveillance of infectious severe acute respiratory syndrome Coronavirus 2 in wastewater using cell culture and RT-qPCR.. <i>Science of the Total Environment</i> , 2022 , 815, 152914	10.2	4
95	A wastewater-based epidemiology tool for COVID-19 surveillance in Portugal. <i>Science of the Total Environment</i> , 2022 , 804, 150264	10.2	6
94	Allometric relationships to assess ontogenetic adaptative changes in three NE Atlantic commercial sea cucumbers (Echinodermata, Holothuroidea). <i>Aquatic Ecology</i> , 2021 , 55, 711-720	1.9	4
93	Estimating acoustic cue rates in bowhead whales, <i>Balaena mysticetus</i> , during their fall migration through the Alaskan Beaufort Sea. <i>Journal of the Acoustical Society of America</i> , 2021 , 149, 3611	2.2	1
92	COVID-19: Nothing is Normal in this Pandemic. <i>Journal of Epidemiology and Global Health</i> , 2021 , 11, 146-149	3.9	3
91	What's biodiversity got to do with it? Perceptions of biodiversity and restorativeness in urban parks. <i>Ecology and Society</i> , 2021 , 26,	4.1	3
90	Deep-diving beaked whales dive together but forage apart. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20201905	4.4	6
89	Latitudinal variation in arrival and breeding phenology of the pied flycatcher <i>Ficedula hypoleuca</i> using large-scale citizen science data. <i>Journal of Avian Biology</i> , 2021 , 52,	1.9	1
88	Trends in cetacean research in the Eastern North Atlantic. <i>Mammal Review</i> , 2021 , 51, 436-453	5	0
87	Food talk: 40-Hz fin whale calls are associated with prey biomass. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20211156	4.4	3
86	Sympatric threatened Iberian leuciscids exhibit differences in <i>Aeromonas</i> diversity and skin lesions' prevalence. <i>PLoS ONE</i> , 2021 , 16, e0255850	3.7	
85	Modelling the Distribution of a Commercial NE-Atlantic Sea Cucumber, <i>Holothuria mammata</i> : Demographic and Abundance Spatio-Temporal Patterns. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	3
84	Patterns and Drivers of Rodent Abundance across a South African Multi-Use Landscape. <i>Animals</i> , 2021 , 11,	3.1	1
83	Drivers of human-wildlife impact events involving mammals in Southeastern Brazil. <i>Science of the Total Environment</i> , 2021 , 794, 148600	10.2	1
82	Modeling population impacts of the Deepwater Horizon oil spill on a long-lived species with implications and recommendations for future environmental disasters.. <i>Conservation Biology</i> , 2021 ,	6	1
81	Time to Abolish the Forced Swim Test in Rats for Depression Research?. <i>Journal of Applied Animal Ethics Research</i> , 2021 , 1-9	0.6	0
80	Baleen whale acoustic presence and behaviour at a Mid-Atlantic migratory habitat, the Azores Archipelago. <i>Scientific Reports</i> , 2020 , 10, 4766	4.9	7

79	Are in vitro and in silico approaches used appropriately for animal-based major depressive disorder research?. <i>PLoS ONE</i> , 2020 , 15, e0233954	3.7	2
78	First abundance estimate for white whales <i>Delphinapterus leucas</i> in Svalbard, Norway. <i>Endangered Species Research</i> , 2020 , 41, 253-263	2.5	3
77	Accounting for detection unveils the intricacy of wild boar and rabbit co-occurrence patterns in a Mediterranean landscape. <i>Scientific Reports</i> , 2020 , 10, 6651	4.9	3
76	The Contribution of Rat Studies to Current Knowledge of Major Depressive Disorder: Results From Citation Analysis. <i>Frontiers in Psychology</i> , 2020 , 11, 1486	3.4	4
75	Herpes simplex virus 2 vasculitis as cause of ischemic stroke in a young immunocompromised patient. <i>Journal of NeuroVirology</i> , 2020 , 26, 805-807	3.9	1
74	Roaring and repetition: How bowhead whales adjust their call density and source level (Lombard effect) in the presence of natural and seismic airgun survey noise. <i>Journal of the Acoustical Society of America</i> , 2020 , 147, 2061	2.2	16
73	Automated peak detection method for behavioral event identification: detecting <i>Balaenoptera musculus</i> and <i>Grampus griseus</i> feeding attempts. <i>Animal Biotelemetry</i> , 2019 , 7,	2.8	2
72	Density and distribution of western chimpanzees around a bauxite deposit in the Bo sector, Guinea-Bissau. <i>American Journal of Primatology</i> , 2019 , 81, e23047	2.5	2
71	Spider monkeys, the misunderstood assumptions of distance sampling and the pitfalls of poor field design. <i>Biodiversity and Conservation</i> , 2019 , 28, 4119-4121	3.4	
70	Estimating group size from acoustic footprint to improve Blainville's beaked whale abundance estimation. <i>Applied Acoustics</i> , 2019 , 156, 434-439	3.1	5
69	The Relevance of , and Non-human Primate Based Approaches to Clinical Research on Major Depressive Disorder. <i>ATLA Alternatives To Laboratory Animals</i> , 2019 , 47, 128-139	2.1	4
68	How to fit the distribution of apex scavengers into land-abandonment scenarios? The Cinereous vulture in the Mediterranean biome. <i>Diversity and Distributions</i> , 2018 , 24, 1018-1031	5	10
67	Density estimation of sound-producing terrestrial animals using single automatic acoustic recorders and distance sampling. <i>Avian Conservation and Ecology</i> , 2018 , 13,	1.5	15
66	Comparing methods suitable for monitoring marine mammals in low visibility conditions during seismic surveys. <i>Marine Pollution Bulletin</i> , 2018 , 126, 1-18	6.7	15
65	The number and distribution of polar bears in the western Barents Sea. <i>Polar Research</i> , 2018 , 37, 1457880		
64	Mediterranean mesocarnivores in spatially structured managed landscapes: community organisation in time and space. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 237, 280-289	5.7	23
63	Model-based approaches to deal with detectability: a comment on Hutto (2016a). <i>Ecological Applications</i> , 2017 , 27, 1694-1698	4.9	9
62	Spatio-temporal variation in click production rates of beaked whales: Implications for passive acoustic density estimation. <i>Journal of the Acoustical Society of America</i> , 2017 , 141, 1962	2.2	13

61	Spatial distribution of citizen science casuistic observations for different taxonomic groups. <i>Scientific Reports</i> , 2017 , 7, 12832	4.9	29
60	From distance sampling to spatial capture-recapture. <i>ASA Advances in Statistical Analysis</i> , 2017 , 101, 475-494	1	10
59	Estimation bias under model selection for distance sampling detection functions. <i>Environmental and Ecological Statistics</i> , 2017 , 24, 399-414	2.2	9
58	The number and distribution of polar bears in the western Barents Sea. <i>Polar Research</i> , 2017 , 36, 1374125	2.5	51
57	Underwater Ambient Noise in a Baleen Whale Migratory Habitat Off the Azores. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	10
56	Late summer distribution and abundance of ice-associated whales in the Norwegian High Arctic. <i>Endangered Species Research</i> , 2017 , 32, 59-70	2.5	32
55	Techniques for Estimating the Size of Low-Density Gopher Tortoise Populations. <i>Journal of Fish and Wildlife Management</i> , 2017 , 8, 377-386	0.7	5
54	Estimating red deer abundance using the pellet-based distance sampling method. <i>Journal of Forest Science</i> , 2016 , 61, 422-430	0.9	1
53	Conservation zones promote oak regeneration and shrub diversity in certified Mediterranean oak woodlands. <i>Biological Conservation</i> , 2016 , 195, 226-234	6.2	17
52	An Efficient Acoustic Density Estimation Method with Human Detectors Applied to Gibbons in Cambodia. <i>PLoS ONE</i> , 2016 , 11, e0155066	3.7	24
51	Delphinid echolocation click detection probability on near-seafloor sensors. <i>Journal of the Acoustical Society of America</i> , 2016 , 140, 1918	2.2	17
50	A Comment on Horcajada-Sánchez and Barja (2015): A Cautionary Tale about Left Truncation and Density Gradients in Distance Sampling. <i>Annales Zoologici Fennici</i> , 2016 , 53, 52-54	0.9	1
49	Foraging behaviour, swimming performance and malformations of early stages of commercially important fishes under ocean acidification and warming. <i>Climatic Change</i> , 2016 , 137, 495-509	4.5	42
48	A new insight for monitoring ungulates: density surface modelling of roe deer in a Mediterranean habitat. <i>European Journal of Wildlife Research</i> , 2016 , 62, 577-587	2	11
47	A Unifying Model for Capture-Recapture and Distance Sampling Surveys of Wildlife Populations. <i>Journal of the American Statistical Association</i> , 2015 , 110, 195-204	2.8	43
46	Tracking marine mammals in 3D using electronic tag data. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 987-996	7.7	16
45	Chimpanzee (<i>Pan troglodytes verus</i>) Diet Composition and Food Availability in a Human-Modified Landscape at Lagoas de Cufada Natural Park, Guinea-Bissau. <i>International Journal of Primatology</i> , 2015 , 36, 802-822	2	3
44	Where to nest? Ecological determinants of chimpanzee nest abundance and distribution at the habitat and tree species scale. <i>American Journal of Primatology</i> , 2015 , 77, 186-99	2.5	15

43	Passive acoustic monitoring of beaked whale densities in the Gulf of Mexico. <i>Scientific Reports</i> , 2015 , 5, 16343	4.9	48
42	Detectability in Audio-Visual Surveys of Tropical Rainforest Birds: The Influence of Species, Weather and Habitat Characteristics. <i>PLoS ONE</i> , 2015 , 10, e0128464	3.7	28
41	Modeling the Diving Behavior of Whales: A Latent-Variable Approach with Feedback and Semi-Markovian Components. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2014 , 19, 82-100	1.9	20
40	New density estimates of a threatened sifaka species (<i>Propithecus coquereli</i>) in Ankarafantsika National Park. <i>American Journal of Primatology</i> , 2014 , 76, 515-28	2.5	19
39	Mercury accumulation and tissue-specific antioxidant efficiency in the wild European sea bass (<i>Dicentrarchus labrax</i>) with emphasis on seasonality. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 10638-51	5.1	12
38	The response of otters to environmental changes imposed by the construction of large dams. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2014 , 24, 66-80	2.6	11
37	Using mark-recapture distance sampling methods on line transect surveys. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 1180-1191	7.7	42
36	A risk function for behavioral disruption of Blainville's beaked whales (<i>Mesoplodon densirostris</i>) from mid-frequency active sonar. <i>PLoS ONE</i> , 2014 , 9, e85064	3.7	40
35	Living on the edge: roe deer (<i>Capreolus capreolus</i>) density in the margins of its geographical range. <i>PLoS ONE</i> , 2014 , 9, e88459	3.7	22
34	Estimating minke whale (<i>Balaenoptera acutorostrata</i>) boing sound density using passive acoustic sensors. <i>Marine Mammal Science</i> , 2013 , 29, 142-158	1.9	35
33	Modeling carcass removal time for avian mortality assessment in wind farms using survival analysis. <i>Environmental and Ecological Statistics</i> , 2013 , 20, 147-165	2.2	30
32	Estimating animal population density using passive acoustics. <i>Biological Reviews</i> , 2013 , 88, 287-309	13.5	350
31	Accounting for animal density gradients using independent information in distance sampling surveys. <i>Statistical Methods and Applications</i> , 2013 , 22, 67-80	0.8	29
30	Population status of Pan troglodytes verus in Lagoas de Cufada Natural Park, Guinea-Bissau. <i>PLoS ONE</i> , 2013 , 8, e71527	3.7	17
29	Optimizing sampling design to deal with mist-net avoidance in Amazonian birds and bats. <i>PLoS ONE</i> , 2013 , 8, e74505	3.7	35
28	Discrimination Between Parametric Survival Models for Removal Times of Bird Carcasses in Scavenger Removal Trials at Wind Turbines Sites 2013 , 65-72		4
27	Passive acoustic density estimation of sperm whales in the Tongue of the Ocean, Bahamas. <i>Marine Mammal Science</i> , 2012 , 28, E444-E455	1.9	27
26	Statistical power of goodness-of-fit tests based on the empirical distribution function for type-I right-censored data. <i>Journal of Statistical Computation and Simulation</i> , 2012 , 82, 173-181	0.9	4

25	Spatially explicit capture-recapture methods to estimate minke whale density from data collected at bottom-mounted hydrophones. <i>Journal of Ornithology</i> , 2012 , 152, 445-455	1.5	23
24	Passive Acoustic Monitoring for Estimating Animal Density. <i>Acoustics Today</i> , 2012 , 8, 35	0	30
23	Beaked whale (<i>Mesoplodon densirostris</i>) passive acoustic detection in increasing ambient noise. <i>Journal of the Acoustical Society of America</i> , 2011 , 129, 662-9	2.2	20
22	A hierarchical model for spatial capture-recapture data: comment. <i>Ecology</i> , 2011 , 92, 526-8	4.6	20
21	Status assessment of the Critically Endangered Azores Bullfinch <i>Pyrrhula murina</i> . <i>Bird Conservation International</i> , 2011 , 21, 477-489	1.7	11
20	Cetacean population density estimation from single fixed sensors using passive acoustics. <i>Journal of the Acoustical Society of America</i> , 2011 , 129, 3610-22	2.2	79
19	Estimating North Pacific right whale <i>Eubalaena japonica</i> density using passive acoustic cue counting. <i>Endangered Species Research</i> , 2011 , 13, 163-172	2.5	68
18	Point transect sampling along linear features. <i>Biometrics</i> , 2010 , 66, 1247-55	1.8	55
17	The effect of sea-ice loss on beluga whales (<i>Delphinapterus leucas</i>) in West Greenland. <i>Polar Research</i> , 2010 , 29, 198-208	2	32
16	Fishing simulation experiments for predicting the effects of purse-seine capture on sardine (<i>Sardina pilchardus</i>). <i>ICES Journal of Marine Science</i> , 2010 , 67, 334-344	2.7	32
15	Distance software: design and analysis of distance sampling surveys for estimating population size. <i>Journal of Applied Ecology</i> , 2010 , 47, 5-14	5.8	1264
14	Abundance of narwhals (<i>Monodon monoceros</i>) on the hunting grounds in Greenland. <i>Journal of Mammalogy</i> , 2010 , 91, 1135-1151	1.8	34
13	Estimating Distance Sampling Detection Functions When Distances Are Measured With Errors. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2010 , 15, 346-361	1.9	29
12	A dive counting density estimation method for Blainville's beaked whale (<i>Mesoplodon densirostris</i>) using a bottom-mounted hydrophone field as applied to a Mid-Frequency Active (MFA) sonar operation. <i>Applied Acoustics</i> , 2010 , 71, 1036-1042	3.1	32
11	Distance sampling: estimating animal density. <i>Significance</i> , 2009 , 6, 136-137	0.5	2
10	Estimating the Barents Sea polar bear subpopulation size. <i>Marine Mammal Science</i> , 2009 , 25, 35-52	1.9	52
9	Estimating cetacean population density using fixed passive acoustic sensors: an example with Blainville's beaked whales. <i>Journal of the Acoustical Society of America</i> , 2009 , 125, 1982-94	2.2	205
8	IMPROVING ESTIMATES OF BIRD DENSITY USING MULTIPLE- COVARIATE DISTANCE SAMPLING. <i>Auk</i> , 2007 , 124, 1229	2.1	143

7	Improving Estimates of Bird Density Using Multiple- Covariate Distance Sampling. <i>Auk</i> , 2007 , 124, 1229-1243	1.8	163
6	Line transect methods for plant surveys. <i>Biometrics</i> , 2007 , 63, 989-98	1.8	59
5	The Use of Global Positioning Systems to Record Distances in a Helicopter Line-Transect Survey. <i>Wildlife Society Bulletin</i> , 2006 , 34, 759-763	1.4	23
4	Selection of Priority Areas for Fish Conservation in Guadiana River Basin, Iberian Peninsula. <i>Conservation Biology</i> , 2004 , 18, 189-200	6	87
3	Predicting and correcting bias caused by measurement error in line transect sampling using multiplicative error models. <i>Biometrics</i> , 2004 , 60, 757-63	1.8	42
2	Diversity and patterns of marine non-native species in the archipelagos of Macaronesia. <i>Diversity and Distributions</i> ,	5	2
1	A comparison of three methods for estimating call densities of migrating bowhead whales using passive acoustic monitoring. <i>Environmental and Ecological Statistics</i> ,1	2.2	