

Matthieu Authier

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,739
citations

279798

23
h-index

345221

36
g-index

78
all docs

78
docs citations

78
times ranked

2110
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying fixed individual heterogeneity in demographic parameters: Performance of correlated random effects for Bernoulli variables. <i>Methods in Ecology and Evolution</i> , 2022, 13, 91-104.	5.2	4
2	Estimating Bycatch From Non-representative Samples (II): A Case Study of Pair Trawlers and Common Dolphins in the Bay of Biscay. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	4
3	Two cetacean species reveal different long-term trends for toxic trace elements in European Atlantic French waters. <i>Chemosphere</i> , 2022, 294, 133676.	8.2	4
4	Accounting for detection probability with overestimation by integrating double monitoring programs over 40 years. <i>PLoS ONE</i> , 2022, 17, e0265730.	2.5	1
5	Assessing the effectiveness of dFADs fishing moratorium in the Eastern Atlantic Ocean for conservation of juvenile tunas from AOTTP data. <i>Fisheries Research</i> , 2022, 253, 106360.	1.7	1
6	Temporal correlations among demographic parameters are ubiquitous but highly variable across species. <i>Ecology Letters</i> , 2022, 25, 1640-1654.	6.4	11
7	Flexible parametric modeling of survival from age at death data: A mixed linear regression framework. <i>Population Ecology</i> , 2021, 63, 108-122.	1.2	2
8	In the Wrong Place at the Wrong Time: Identifying Spatiotemporal Co-occurrence of Bycaught Common Dolphins and Fisheries in the Bay of Biscay (NE Atlantic) From 2010 to 2019. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	15
9	Consumption rates and interaction with fisheries of Mediterranean common dolphins in the Alboran Sea. <i>Regional Studies in Marine Science</i> , 2021, 45, 101826.	0.7	5
10	Trophic niche overlap between sympatric harbour seals (<i>Phoca vitulina</i>) and grey seals (<i>Halichoerus grypus</i>) at the southern limit of their European range (Eastern English Channel). <i>Ecology and Evolution</i> , 2021, 11, 10004-10025.	1.9	4
11	Towards a better characterisation of deep-diving whales' distributions by using prey distribution model outputs?. <i>PLoS ONE</i> , 2021, 16, e0255667.	2.5	8
12	Using single visits into integrated occupancy models to make the most of existing monitoring programs. <i>Ecology</i> , 2021, 102, e03535.	3.2	7
13	Estimating Cetacean Bycatch From Non-representative Samples (I): A Simulation Study With Regularized Multilevel Regression and Post-stratification. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
14	Evaluating Strategies for Managing Anthropogenic Mortality on Marine Mammals: An R Implementation With the Package RLA. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	6
15	Can modelling the drift of bycaught dolphin stranded carcasses help identify involved fisheries? An exploratory study. <i>Global Ecology and Conservation</i> , 2020, 21, e00843.	2.1	15
16	Decadal changes in blood $\delta^{13}C$ values, at-sea distribution, and weaning mass of southern elephant seals from Kerguelen Islands. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201544.	2.6	7
17	High mortality rates in a juvenile free-ranging marine predator and links to dive and forage ability. <i>Ecology and Evolution</i> , 2020, 10, 410-430.	1.9	12
18	Design issues adumbrate conclusions on LED-mediated bycatch risk reduction of cetaceans and turtles in fishing nets: A comment on Bielli et al. (2020). <i>Biological Conservation</i> , 2020, 243, 108488.	4.1	1

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19	Of power and despair in cetacean conservation: estimation and detection of trend in abundance with noisy and short time-series. <i>PeerJ</i> , 2020, 8, e9436.	2.0	17
20	Population response of an apex Antarctic consumer to its prey and climate fluctuations. <i>Oecologia</i> , 2019, 189, 279-291.	2.0	12
21	The effect of a multi-target protocol on cetacean detection and abundance estimation in aerial surveys. <i>Royal Society Open Science</i> , 2019, 6, 190296.	2.4	10
22	A risk-based forecast of extreme mortality events in small cetaceans: Using stranding data to inform conservation practice. <i>Conservation Letters</i> , 2019, 12, e12639.	5.7	3
23	Role of sociality in the response of killer whales to an additive mortality event. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11812-11817.	7.1	20
24	Modelling the spatial abundance of a migratory predator: A call for transboundary marine protected areas. <i>Diversity and Distributions</i> , 2019, 25, 346-360.	4.1	29
25	Hide and seek in the Bay of Biscay—a functional investigation of marine megafauna and small pelagic fish interactions. <i>ICES Journal of Marine Science</i> , 2019, 76, 113-123.	2.5	6
26	Combining multiple visual surveys to model the habitat of deep-diving cetaceans at the basin scale. <i>Global Ecology and Biogeography</i> , 2019, 28, 300-314.	5.8	26
27	Assessing cetacean surveys throughout the Mediterranean Sea: a gap analysis in environmental space. <i>Scientific Reports</i> , 2018, 8, 3126.	3.3	47
28	Decadal stability in top predator habitat preferences in the Bay of Biscay. <i>Progress in Oceanography</i> , 2018, 166, 109-120.	3.2	8
29	Variability of energy density among mesozooplankton community: New insights in functional diversity to forage fish. <i>Progress in Oceanography</i> , 2018, 166, 121-128.	3.2	12
30	Prey consumption by cetaceans reveals the importance of energy-rich food webs in the Bay of Biscay. <i>Progress in Oceanography</i> , 2018, 166, 148-158.	3.2	32
31	Ecosystem spatial structure revealed by integrated survey data. <i>Progress in Oceanography</i> , 2018, 166, 189-198.	3.2	13
32	Exploring change in the relative abundance of marine megafauna in the Bay of Biscay, 2004–2016. <i>Progress in Oceanography</i> , 2018, 166, 159-167.	3.2	16
33	Monitoring small pelagic fish in the Bay of Biscay ecosystem, using indicators from an integrated survey. <i>Progress in Oceanography</i> , 2018, 166, 168-188.	3.2	24
34	The PELGAS survey: Ship-based integrated monitoring of the Bay of Biscay pelagic ecosystem. <i>Progress in Oceanography</i> , 2018, 166, 15-29.	3.2	43
35	Testing the transferability of track-based habitat models for sound marine spatial planning. <i>Diversity and Distributions</i> , 2018, 24, 1772-1787.	4.1	18
36	How many sightings to model rare marine species distributions. <i>PLoS ONE</i> , 2018, 13, e0193231.	2.5	13

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37	Variable selection and accurate predictions in habitat modelling: a shrinkage approach. <i>Ecography</i> , 2017, 40, 549-560.	4.5	13
38	Comparison of habitat models for scarcely detected species. <i>Ecological Modelling</i> , 2017, 346, 88-98.	2.5	34
39	Variability in sea ice cover and climate elicit sex specific responses in an Antarctic predator. <i>Scientific Reports</i> , 2017, 7, 43236.	3.3	13
40	Conservation science for marine megafauna in Europe: Historical perspectives and future directions. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 141, 1-7.	1.4	17
41	Early life density dependence effects on growth and survival in subantarctic fur seals. <i>Population Ecology</i> , 2017, 59, 139-155.	1.2	5
42	Using large scale surveys to investigate seasonal variations in seabird distribution and abundance. Part II: The Bay of Biscay and the English Channel. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 141, 86-101.	1.4	25
43	Wolf in sheep's clothing: Model misspecification undermines tests of the neutral theory for life histories. <i>Ecology and Evolution</i> , 2017, 7, 3348-3361.	1.9	17
44	Cetacean conservation in the Mediterranean and Black Seas: Fostering transboundary collaboration through the European Marine Strategy Framework Directive. <i>Marine Policy</i> , 2017, 82, 98-103.	3.2	14
45	Seasonal distribution and abundance of cetaceans within French waters- Part I: The North-Western Mediterranean, including the Pelagos sanctuary. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 141, 20-30.	1.4	59
46	Seasonal distribution and abundance of cetaceans within French waters- Part II: The Bay of Biscay and the English Channel. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 141, 31-40.	1.4	53
47	Ocean sunfish as indicators for the "rise of slime". <i>Current Biology</i> , 2017, 27, R1263-R1264.	3.9	10
48	Using large scale surveys to investigate seasonal variations in seabird distribution and abundance. Part I: The North Western Mediterranean Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 141, 74-85.	1.4	9
49	A Comprehensive Survey of Pelagic Megafauna: Their Distribution, Densities, and Taxonomic Richness in the Tropical Southwest Indian Ocean. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	21
50	Bottom time does not always predict prey encounter rate in Antarctic fur seals. <i>Functional Ecology</i> , 2016, 30, 1834-1844.	3.6	19
51	Seeing the ocean through the eyes of seabirds: A new path for marine conservation?. <i>Marine Policy</i> , 2016, 68, 212-220.	3.2	31
52	Small cetacean bycatch as estimated from stranding schemes: The common dolphin case in the northeast Atlantic. <i>Environmental Science and Policy</i> , 2016, 63, 7-18.	4.9	53
53	The Conundrum of Heterogeneities in Life History Studies. <i>Trends in Ecology and Evolution</i> , 2016, 31, 872-886.	8.7	63
54	Winter use of sea ice and ocean water mass habitat by southern elephant seals: The length and breadth of the mystery. <i>Progress in Oceanography</i> , 2015, 137, 52-68.	3.2	40

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55	Influence of artificial food provisioning from fisheries on killer whale reproductive output. <i>Animal Conservation</i> , 2015, 18, 207-218.	2.9	50
56	Gentlemen first? â€˜Broken stickâ€™ modelling reveals sexâ€related homing decision date in migrating seabirds. <i>Journal of Zoology</i> , 2014, 292, 25-30.	1.7	16
57	Windscape and tortuosity shape the flight costs of northern gannets. <i>Journal of Experimental Biology</i> , 2014, 217, 876-885.	1.7	77
58	Irreplaceable area extends marine conservation hotspot off Tunisia: insights from GPS-tracking Scopoliâ€™s shearwaters from the largest seabird colony in the Mediterranean. <i>Marine Biology</i> , 2014, 161, 2669-2680.	1.5	24
59	How much are stranding records affected by variation in reporting rates? A case study of small delphinids in the Bay of Biscay. <i>Biodiversity and Conservation</i> , 2014, 23, 2591-2612.	2.6	20
60	Antarctic Climate Change: Extreme Events Disrupt Plastic Phenotypic Response in Adâlie Penguins. <i>PLoS ONE</i> , 2014, 9, e85291.	2.5	50
61	Importance of coastal Marine Protected Areas for the conservation of pelagic seabirds: The case of Vulnerable yelkouan shearwaters in the Mediterranean Sea. <i>Biological Conservation</i> , 2013, 168, 210-221.	4.1	49
62	Designing observational biologging studies to assess the causal effect of instrumentation. <i>Methods in Ecology and Evolution</i> , 2013, 4, 802-810.	5.2	17
63	Looking for a needle in a haystack: inference about individual fitness components in a heterogeneous population. <i>Oikos</i> , 2013, 122, 739-753.	2.7	54
64	Shift in foraging grounds and diet broadening during ontogeny in southern elephant seals from Kerguelen Islands. <i>Marine Biology</i> , 2013, 160, 977-986.	1.5	24
65	Evidence for an ageâ€dependent influence of environmental variations on a longâ€lived seabird's lifeâ€history traits. <i>Ecology</i> , 2013, 94, 208-220.	3.2	77
66	Calibration procedures and first dataset of Southern Ocean chlorophyll <i>a<i> profiles collected by elephant seals equipped with a newly developed CTD-fluorescence tags. <i>Earth System Science Data</i> , 2013, 5, 15-29.	9.9	51
67	O' mother where wert thou? Maternal strategies in the southern elephant seal: a stable isotope investigation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 2681-2690.	2.6	26
68	How large is large: estimating ecologically meaningful isotopic differences in observational studies of wild animals. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2657-2664.	1.5	5
69	Foraging Fidelity as a Recipe for a Long Life: Foraging Strategy and Longevity in Male Southern Elephant Seals. <i>PLoS ONE</i> , 2012, 7, e32026.	2.5	40
70	Breaking the sticks: a hierarchical changeâ€point model for estimating ontogenetic shifts with stable isotope data. <i>Methods in Ecology and Evolution</i> , 2012, 3, 281-290.	5.2	16
71	Selection for increased body length in Subantarctic fur seals on Amsterdam Island. <i>Journal of Evolutionary Biology</i> , 2011, 24, 607-616.	1.7	9
72	The ontogeny of diving abilities in subantarctic fur seal pups: developmental trade-off in response to extreme fasting?. <i>Functional Ecology</i> , 2011, 25, 818-828.	3.6	29

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73	Population trends of female Elephant Seals breeding on the Courbet Peninsula, Îles Kerguelen. Polar Biology, 2011, 34, 319-328.	1.2	27
74	Interdecadal changes in at-sea distribution and abundance of subantarctic seabirds along a latitudinal gradient in the Southern Indian Ocean. Global Change Biology, 2010, 16, 1895-1909.	9.5	54
75	Looking at the unseen: combining animal bio-logging and stable isotopes to reveal a shift in the ecological niche of a deep diving predator. Ecography, 2010, 33, 709-719.	4.5	66