Matthieu Authier

List of Publications by Year
in descending order

75	1,739	279487 23	344852 36
papers	citations	h-index	g-index

78	78	78	2110
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence for an ageâ€dependent influence of environmental variations on a longâ€lived seabird's lifeâ€history traits. Ecology, 2013, 94, 208-220.	1.5	77
2	Windscape and tortuosity shape the flight costs of northern gannets. Journal of Experimental Biology, 2014, 217, 876-885.	0.8	77
3	Looking at the unseen: combining animal bioâ€logging and stable isotopes to reveal a shift in the ecological niche of a deep diving predator. Ecography, 2010, 33, 709-719.	2.1	66
4	The Conundrum of Heterogeneities in Life History Studies. Trends in Ecology and Evolution, 2016, 31, 872-886.	4.2	63
5	Seasonal distribution and abundance of cetaceans within French waters- Part I: The North-Western Mediterranean, including the Pelagos sanctuary. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 141, 20-30.	0.6	59
6	Interdecadal changes in atâ€sea distribution and abundance of subantarctic seabirds along a latitudinal gradient in the Southern Indian Ocean. Global Change Biology, 2010, 16, 1895-1909.	4.2	54
7	Looking for a needle in a haystack: inference about individual fitness components in a heterogeneous population. Oikos, 2013, 122, 739-753.	1.2	54
8	Small cetacean bycatch as estimated from stranding schemes: The common dolphin case in the northeast Atlantic. Environmental Science and Policy, 2016, 63, 7-18.	2.4	53
9	Seasonal distribution and abundance of cetaceans within French waters- Part II: The Bay of Biscay and the English Channel. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 141, 31-40.	0.6	53
10	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. Earth System Science Data, 2013, 5, 15-29.	3.7	51
11	Influence of artificial food provisioning from fisheries on killer whale reproductive output. Animal Conservation, 2015, 18, 207-218.	1.5	50
12	Antarctic Climate Change: Extreme Events Disrupt Plastic Phenotypic Response in AdÃ©lie Penguins. PLoS ONE, 2014, 9, e85291.	1.1	50
13	Importance of coastal Marine Protected Areas for the conservation of pelagic seabirds: The case of Vulnerable yelkouan shearwaters in the Mediterranean Sea. Biological Conservation, 2013, 168, 210-221.	1.9	49
14	Assessing cetacean surveys throughout the Mediterranean Sea: a gap analysis in environmental space. Scientific Reports, 2018, 8, 3126.	1.6	47
15	The PELGAS survey: Ship-based integrated monitoring of the Bay of Biscay pelagic ecosystem. Progress in Oceanography, 2018, 166, 15-29.	1.5	43
16	Foraging Fidelity as a Recipe for a Long Life: Foraging Strategy and Longevity in Male Southern Elephant Seals. PLoS ONE, 2012, 7, e32026.	1.1	40
17	Winter use of sea ice and ocean water mass habitat by southern elephant seals: The length and breadth of the mystery. Progress in Oceanography, 2015, 137, 52-68.	1.5	40
18	Comparison of habitat models for scarcely detected species. Ecological Modelling, 2017, 346, 88-98.	1.2	34

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19	Prey consumption by cetaceans reveals the importance of energy-rich food webs in the Bay of Biscay. Progress in Oceanography, 2018, 166, 148-158.	1.5	32
20	Seeing the ocean through the eyes of seabirds: A new path for marine conservation?. Marine Policy, 2016, 68, 212-220.	1.5	31
21	The ontogeny of diving abilities in subantarctic fur seal pups: developmental trade-off in response to extreme fasting?. Functional Ecology, 2011, 25, 818-828.	1.7	29
22	Modelling the spatial abundance of a migratory predator: A call for transboundary marine protected areas. Diversity and Distributions, 2019, 25, 346-360.	1.9	29
23	Population trends of female Elephant Seals breeding on the Courbet Peninsula, Ã®les Kerguelen. Polar Biology, 2011, 34, 319-328.	0.5	27
24	O' mother where wert thou? Maternal strategies in the southern elephant seal: a stable isotope investigation. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2681-2690.	1.2	26
25	Combining multiple visual surveys to model the habitat of deepâ€diving cetaceans at the basin scale. Global Ecology and Biogeography, 2019, 28, 300-314.	2.7	26
26	Using large scale surveys to investigate seasonal variations in seabird distribution and abundance. Part II: The Bay of Biscay and the English Channel. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 141, 86-101.	0.6	25
27	Shift in foraging grounds and diet broadening during ontogeny in southern elephant seals from Kerguelen Islands. Marine Biology, 2013, 160, 977-986.	0.7	24
28	Irreplaceable area extends marine conservation hotspot off Tunisia: insights from GPS-tracking Scopoliâ€™s shearwaters from the largest seabird colony in the Mediterranean. Marine Biology, 2014, 161, 2669-2680.	0.7	24
29	Monitoring small pelagic fish in the Bay of Biscay ecosystem, using indicators from an integrated survey. Progress in Oceanography, 2018, 166, 168-188.	1.5	24
30	A Comprehensive Survey of Pelagic Megafauna: Their Distribution, Densities, and Taxonomic Richness in the Tropical Southwest Indian Ocean. Frontiers in Marine Science, 2017, 4, .	1.2	21
31	How much are stranding records affected by variation in reporting rates? A case study of small delphinids in the Bay of Biscay. Biodiversity and Conservation, 2014, 23, 2591-2612.	1.2	20
32	Role of sociality in the response of killer whales to an additive mortality event. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11812-11817.	3.3	20
33	Bottom time does not always predict prey encounter rate in Antarctic fur seals. Functional Ecology, 2016, 30, 1834-1844.	1.7	19
34	Testing the transferability of trackâ€based habitat models for sound marine spatial planning. Diversity and Distributions, 2018, 24, 1772-1787.	1.9	18
35	Designing observational biologging studies to assess the causal effect of instrumentation. Methods in Ecology and Evolution, 2013, 4, 802-810.	2.2	17
36	Conservation science for marine megafauna in Europe: Historical perspectives and future directions. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 141, 1-7.	0.6	17

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37	Wolf in sheep's clothing: Model misspecification undermines tests of the neutral theory for life histories. Ecology and Evolution, 2017, 7, 3348-3361.	0.8	17
38	Of power and despair in cetacean conservation: estimation and detection of trend in abundance with noisy and short time-series. PeerJ, 2020, 8, e9436.	0.9	17
39	Breaking the sticks: a hierarchical changeâ€point model for estimating ontogenetic shifts with stable isotope data. Methods in Ecology and Evolution, 2012, 3, 281-290.	2.2	16
40	Gentlemen first? â€˜Broken stickâ€™ modelling reveals sexâ€related homing decision date in migrating seabirds. Journal of Zoology, 2014, 292, 25-30.	0.8	16
41	Exploring change in the relative abundance of marine megafauna in the Bay of Biscay, 2004â€“2016. Progress in Oceanography, 2018, 166, 159-167.	1.5	16
42	Can modelling the drift of bycaught dolphin stranded carcasses help identify involved fisheries? An exploratory study. Global Ecology and Conservation, 2020, 21, e00843.	1.0	15
43	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. Frontiers in Marine Science, 2021, 8, .	1.2	15
44	Cetacean conservation in the Mediterranean and Black Seas: Fostering transboundary collaboration through the European Marine Strategy Framework Directive. Marine Policy, 2017, 82, 98-103.	1.5	14
45	Variable selection and accurate predictions in habitat modelling: a shrinkage approach. Ecography, 2017, 40, 549-560.	2.1	13
46	Variability in sea ice cover and climate elicit sex specific responses in an Antarctic predator. Scientific Reports, 2017, 7, 43236.	1.6	13
47	Ecosystem spatial structure revealed by integrated survey data. Progress in Oceanography, 2018, 166, 189-198.	1.5	13
48	How many sightings to model rare marine species distributions. PLoS ONE, 2018, 13, e0193231.	1.1	13
49	Variability of energy density among mesozooplankton community: New insights in functional diversity to forage fish. Progress in Oceanography, 2018, 166, 121-128.	1.5	12
50	Population response of an apex Antarctic consumer to its prey and climate fluctuations. Oecologia, 2019, 189, 279-291.	0.9	12
51	High mortality rates in a juvenile freeâ€ranging marine predator and links to dive and forage ability. Ecology and Evolution, 2020, 10, 410-430.	0.8	12
52	Temporal correlations among demographic parameters are ubiquitous but highly variable across species. Ecology Letters, 2022, 25, 1640-1654.	3.0	11
53	Ocean sunfish as indicators for the â€˜rise of slimeâ€™. Current Biology, 2017, 27, R1263-R1264.	1.8	10
54	The effect of a multi-target protocol on cetacean detection and abundance estimation in aerial surveys. Royal Society Open Science, 2019, 6, 190296.	1.1	10

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55	Selection for increased body length in Subantarctic fur seals on Amsterdam Island. Journal of Evolutionary Biology, 2011, 24, 607-616.	0.8	9
56	Using large scale surveys to investigate seasonal variations in seabird distribution and abundance. Part I: The North Western Mediterranean Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 141, 74-85.	0.6	9
57	Decadal stability in top predator habitat preferences in the Bay of Biscay. Progress in Oceanography, 2018, 166, 109-120.	1.5	8
58	Towards a better characterisation of deep-diving whalesâ€™ distributions by using prey distribution model outputs?. PLoS ONE, 2021, 16, e0255667.	1.1	8
59	Decadal changes in blood Î´ ¹³ C values, at-sea distribution, and weaning mass of southern elephant seals from Kerguelen Islands. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201544.	1.2	7
60	Using single visits into integrated occupancy models to make the most of existing monitoring programs. Ecology, 2021, 102, e03535.	1.5	7
61	Hide and seek in the Bay of Biscayâ€”a functional investigation of marine megafauna and small pelagic fish interactions. ICES Journal of Marine Science, 2019, 76, 113-123.	1.2	6
62	Evaluating Strategies for Managing Anthropogenic Mortality on Marine Mammals: An R Implementation With the Package RLA. Frontiers in Marine Science, 2021, 8, .	1.2	6
63	How large is large: estimating ecologically meaningful isotopic differences in observational studies of wild animals. Rapid Communications in Mass Spectrometry, 2012, 26, 2657-2664.	0.7	5
64	Earlyâ€life densityâ€dependence effects on growth and survival in subantarctic fur seals. Population Ecology, 2017, 59, 139-155.	0.7	5
65	Consumption rates and interaction with fisheries of Mediterranean common dolphins in the Alboran Sea. Regional Studies in Marine Science, 2021, 45, 101826.	0.4	5
66	Estimating Cetacean Bycatch From Non-representative Samples (I): A Simulation Study With Regularized Multilevel Regression and Post-stratification. Frontiers in Marine Science, 2021, 8, .	1.2	5
67	Trophic niche overlap between sympatric harbour seals (Phoca vitulina) and grey seals (Halichoerus grypus) at the southern limit of their European range (Eastern English Channel). Ecology and Evolution, 2021, 11, 10004-10025.	0.8	4
68	Quantifying fixed individual heterogeneity in demographic parameters: Performance of correlated random effects for Bernoulli variables. Methods in Ecology and Evolution, 2022, 13, 91-104.	2.2	4
69	Estimating Bycatch From Non-representative Samples (II): A Case Study of Pair Trawlers and Common Dolphins in the Bay of Biscay. Frontiers in Marine Science, 2022, 8, .	1.2	4
70	Two cetacean species reveal different long-term trends for toxic trace elements in European Atlantic French waters. Chemosphere, 2022, 294, 133676.	4.2	4
71	A riskâ€based forecast of extreme mortality events in small cetaceans: Using stranding data to inform conservation practice. Conservation Letters, 2019, 12, e12639.	2.8	3
72	Flexible parametric modeling of survival from age at death data: A mixed linear regression framework. Population Ecology, 2021, 63, 108-122.	0.7	2

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73	Design issues adumbrate conclusions on LED-mediated bycatch risk reduction of cetaceans and turtles in fishing nets: A comment on Bielli et al. (2020). Biological Conservation, 2020, 243, 108488.	1.9	1
74	Accounting for detection probability with overestimation by integrating double monitoring programs over 40 years. PLoS ONE, 2022, 17, e0265730.	1.1	1
75	Assessing the effectiveness of dFADs fishing moratorium in the Eastern Atlantic Ocean for conservation of juvenile tunas from AOTTP data. Fisheries Research, 2022, 253, 106360.	0.9	1