

Claude Miaud

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

6,281
citations

136950

32
h-index

102487

66
g-index

67
all docs

67
docs citations

67
times ranked

6736
citing authors

#	ARTICLE	IF	CITATIONS
1	Species detection using environmental DNA from water samples. <i>Biology Letters</i> , 2008, 4, 423-425.	2.3	1,216
2	Next-generation monitoring of aquatic biodiversity using environmental DNA metabarcoding. <i>Molecular Ecology</i> , 2016, 25, 929-942.	3.9	873
3	Persistence of Environmental DNA in Freshwater Ecosystems. <i>PLoS ONE</i> , 2011, 6, e23398.	2.5	507
4	Improved detection of an alien invasive species through environmental DNA barcoding: the example of the American bullfrog <i>Lithobates catesbeianus</i> . <i>Journal of Applied Ecology</i> , 2012, 49, 953-959.	4.0	447
5	Recent Asian origin of chytrid fungi causing global amphibian declines. <i>Science</i> , 2018, 360, 621-627.	12.6	389
6	Prediction and validation of the potential global distribution of a problematic alien invasive species – the American bullfrog. <i>Diversity and Distributions</i> , 2007, 13, 476-485.	4.1	321
7	Variations in life-history traits in the common frog <i>Rana temporaria</i> (Amphibia: Anura): a literature review and new data from the French Alps. <i>Journal of Zoology</i> , 1999, 249, 61-73.	1.7	212
8	Habitat Matrix Effects on Pond Occupancy in Newts. <i>Conservation Biology</i> , 2001, 15, 239-248.	4.7	205
9	Population Adaptive Index: a New Method to Help Measure Intraspecific Genetic Diversity and Prioritize Populations for Conservation. <i>Conservation Biology</i> , 2007, 21, 697-708.	4.7	186
10	Population genetics reveals origin and number of founders in a biological invasion. <i>Molecular Ecology</i> , 2008, 17, 773-782.	3.9	131
11	Knowing the past to predict the future: land-use change and the distribution of invasive bullfrogs. <i>Global Change Biology</i> , 2010, 16, 528-537.	9.5	112
12	Integrative approach for landscape-based graph connectivity analysis: a case study with the common frog (<i>Rana temporaria</i>) in human-dominated landscapes. <i>Landscape Ecology</i> , 2012, 27, 267-279.	4.2	77
13	To breed or not to breed: past reproductive status and environmental cues drive current breeding decisions in a long-lived amphibian. <i>Oecologia</i> , 2014, 176, 107-116.	2.0	75
14	Transience, dispersal and survival rates in newt patchy populations. <i>Journal of Animal Ecology</i> , 2003, 72, 567-575.	2.8	72
15	Terrestrial movements of the natterjack toad <i>Bufo calamita</i> (Amphibia, Anura) in a semi-arid, agricultural landscape. <i>Amphibia - Reptilia</i> , 2000, 21, 357-369.	0.5	66
16	Pattern of distribution of the American bullfrog <i>Rana catesbeiana</i> in Europe. <i>Biological Invasions</i> , 2007, 9, 767-772.	2.4	58
17	Fidelity to the breeding site in the alpine newt <i>Triturus Alpestris</i> . <i>Behavioural Processes</i> , 1989, 19, 47-56.	1.1	53
18	Variation in age structures in a subdivided population of <i>Triturus cristatus</i> . <i>Canadian Journal of Zoology</i> , 1993, 71, 1874-1879.	1.0	52

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19	Demographic responses to weather fluctuations are context dependent in a long-lived amphibian. <i>Global Change Biology</i> , 2016, 22, 2676-2687.	9.5	51
20	Trails of river monsters: Detecting critically endangered Mekong giant catfish <i>Pangasianodon gigas</i> using environmental DNA. <i>Global Ecology and Conservation</i> , 2016, 7, 148-156.	2.1	50
21	Predation on newt eggs (<i>Triturus alpestris</i> and <i>T. helveticus</i>): identification of predators and protective role of oviposition behaviour. <i>Journal of Zoology</i> , 1993, 231, 575-581.	1.7	47
22	Using Boops boops (osteichthyes) to assess microplastic ingestion in the Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2020, 158, 111397.	5.0	46
23	Risk assessment reveals high exposure of sea turtles to marine debris in French Mediterranean and metropolitan Atlantic waters. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 141, 319-328.	1.4	45
24	Population age structure and growth in four syntopic amphibian species inhabiting a large river floodplain. <i>Canadian Journal of Zoology</i> , 2003, 81, 1096-1106.	1.0	44
25	Age, size and growth of the southern crested newt <i>Triturus karelinii</i> (Strauch 1870) in a population from Bozdag (Western Turkey). <i>Amphibia - Reptilia</i> , 2005, 26, 223-230.	0.5	44
26	Age, growth, and survivorship in the viviparous salamander <i>Mertensiella luschani</i> from southwestern Turkey. <i>Canadian Journal of Zoology</i> , 2001, 79, 1559-1567.	1.0	44
27	Combining demography and genetic analysis to assess the population structure of an amphibian in a human-dominated landscape. <i>Conservation Genetics</i> , 2011, 12, 161-173.	1.5	42
28	A Skeletochronological Study of the Age Structure, Growth, and Longevity of the Mountain Yellow-legged Frog, <i>Rana muscosa</i> , in the Sierra Nevada, California. <i>Copeia</i> , 2007, 2007, 986-993.	1.3	40
29	Gregarious behaviour in a salamander: attraction to conspecific chemical cues in burrow choice. <i>Behavioral Ecology and Sociobiology</i> , 2006, 59, 836-841.	1.4	38
30	Does habitat unpredictability promote the evolution of a colonizer syndrome in amphibian metapopulations?. <i>Ecology</i> , 2016, 97, 2658-2670.	3.2	37
31	Variation in genotoxic stress tolerance among frog populations exposed to UV and pollutant gradients. <i>Aquatic Toxicology</i> , 2009, 95, 152-161.	4.0	36
32	Invasive North American bullfrogs transmit lethal fungus <i>Batrachochytrium dendrobatidis</i> infections to native amphibian host species. <i>Biological Invasions</i> , 2016, 18, 2299-2308.	2.4	35
33	Terrestrial habitat preferences of the natterjack toad during and after the breeding season in a landscape of intensive agricultural activity. <i>Amphibia - Reptilia</i> , 2005, 26, 359-366.	0.5	34
34	Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. <i>Science</i> , 2022, 376, 1459-1466.	12.6	34
35	The movements and breeding site fidelity of the natterjack toad (<i>Bufo calamita</i>) in an urban park near Paris (France) with management recommendations. <i>Amphibia - Reptilia</i> , 2006, 27, 561-568.	0.5	33
36	Highlighting the effects of land-use change on a threatened amphibian in a human-dominated landscape. <i>Population Ecology</i> , 2015, 57, 433-443.	1.2	33

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37	eDNA Increases the Detectability of Ranavirus Infection in an Alpine Amphibian Population. <i>Viruses</i> , 2019, 11, 526.	3.3	32
38	VARIATION IN AGE, BODY SIZE AND GROWTH AMONG SURFACE AND CAVE-DWELLING POPULATIONS OF THE PYRENEAN NEWT, EUPROCTUS ASPER (AMPHIBIA; URODELA). <i>Herpetologica</i> , 2005, 61, 241-249.	0.4	31
39	<i>RANAVIRUS</i> CAUSES MASS DIE-OFFS OF ALPINE AMPHIBIANS IN THE SOUTHWESTERN ALPS, FRANCE. <i>Journal of Wildlife Diseases</i> , 2016, 52, 242-252.	0.8	29
40	Toxicity of PAHs and jelly protection of eggs in the Common frog <i>Rana temporaria</i> . <i>Amphibia - Reptilia</i> , 2006, 27, 472-475.	0.5	28
41	Oviposition site selection in three species of European Newts (Salamandridae) genus <i>Triturus</i> . <i>Amphibia - Reptilia</i> , 1995, 16, 265-272.	0.5	26
42	Growth cycle of the marbled newt (<i>Triturus marmoratus</i>) in the Mediterranean region assessed by skeletochronology. <i>Amphibia - Reptilia</i> , 2002, 23, 407-418.	0.5	26
43	Mitigating <i>Batrachochytrium salamandrivorans</i> in Europe. <i>Amphibia - Reptilia</i> , 2019, 40, 265-290.	0.5	26
44	Contrasting patterns of environmental fluctuation contribute to divergent life histories among amphibian populations. <i>Ecology</i> , 2016, 97, 980-91.	3.2	25
45	Detection of a global aquatic invasive amphibian, <i>Xenopus laevis</i> , using environmental DNA. <i>Amphibia - Reptilia</i> , 2016, 37, 131-136.	0.5	23
46	Role of Wrapping Behavior on Egg Survival in Three Species of <i>Triturus</i> (Amphibia: Urodela). <i>Copeia</i> , 1994, 1994, 535.	1.3	22
47	Variation in UV sensitivity among common frog <i>Rana temporaria</i> populations along an altitudinal gradient. <i>Zoology</i> , 2008, 111, 309-317.	1.2	21
48	Genetic variation in an endemic salamander, <i>Salamandra atra</i> , using amplified fragment length polymorphism. <i>Molecular Phylogenetics and Evolution</i> , 2004, 31, 910-914.	2.7	18
49	How to cope with periods of drought? Age at maturity, longevity, and growth of marbled newts (<i>Triturus marmoratus</i>) in Mediterranean temporary ponds. <i>Canadian Journal of Zoology</i> , 2003, 81, 1905-1911.	1.0	17
50	Developmental responses to UV-B radiation in common frog <i>Rana temporaria</i> embryos from along an altitudinal gradient. <i>Population Ecology</i> , 2008, 50, 123-130.	1.2	17
51	Slow life history and rapid extreme flood: demographic mechanisms and their consequences on population viability in a threatened amphibian. <i>Freshwater Biology</i> , 2015, 60, 2349-2361.	2.4	17
52	Intra-specific variation in nitrate tolerance in tadpoles of the Natterjack toad. <i>Ecotoxicology</i> , 2011, 20, 1176-1183.	2.4	14
53	Age and Body Size in Populations of Two Syntopic Spadefoot Toads (Genus <i>Pelobates</i>) at the Limit of Their Ranges. <i>Journal of Herpetology</i> , 2014, 48, 537-545.	0.5	13
54	Lack of Genetic Diversity in <i>Salamandra lanzai</i> Revealed by Cytochrome b Gene Sequences. <i>Copeia</i> , 2002, 2002, 229-232.	1.3	12

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55	Faecal pellets used as an economic territorial marker in two terrestrial alpine salamanders. <i>Ecoscience</i> , 2003, 10, 134-139.	1.4	12
56	Slow life-history strategies are associated with negligible actuarial senescence in western Palaeartic salamanders. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191498.	2.6	12
57	Automatic detection of small PIT-tagged animals using wildlife crossings. <i>Animal Biotelemetry</i> , 2019, 7, .	1.9	11
58	Responses to conspecific scent marks and the ontogeny of territorial marking in immature terrestrial salamanders. <i>Behavioral Ecology and Sociobiology</i> , 2004, 55, 447-453.	1.4	10
59	Intensive vehicle traffic impacts morphology and endocrine stress response in a threatened amphibian. <i>Oryx</i> , 2017, 51, 182-188.	1.0	9
60	Using amphibians in laboratory studies: precautions against the emerging infectious disease chytridiomycosis. <i>Laboratory Animals</i> , 2011, 45, 25-30.	1.0	8
61	When Males Are Larger than Females in Ectotherms: Reproductive Investment in the Eastern Spadefoot Toad <i>Pelobates syriacus</i> . <i>Copeia</i> , 2013, 2013, 699-706.	1.3	8
62	Landscape epidemiology of <i>Batrachochytrium salamandrivorans</i> : reconciling data limitations and conservation urgency. <i>Ecological Applications</i> , 2021, 31, e02342.	3.8	8
63	Acoustic enrichment in wildlife passages under railways improves their use by amphibians. <i>Global Ecology and Conservation</i> , 2020, 24, e01252.	2.1	5
64	A comparison of visual observation and DNA metabarcoding to assess the diet of juvenile sea turtle. <i>Marine and Freshwater Research</i> , 2022, 73, 552-560.	1.3	5
65	Variation in life history traits in <i>Bombina orientalis</i> from the lower Danube floodplain. <i>Amphibia - Reptilia</i> , 2004, 25, 115-119.	0.5	4
66	From Effects of Linear Transport Infrastructures on Amphibians to Mitigation Measures. , 2018, , .		4