

Nicolas Lecomte

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

2,721
citations

218662

26
h-index

223791

46
g-index

102
all docs

102
docs citations

102
times ranked

4254
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications for deep learning in ecology. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1632-1644.	5.2	302
2	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , 2018, 628-629, 1369-1394.	8.0	177
3	Genetic diversity in caribou linked to past and future climate change. <i>Nature Climate Change</i> , 2014, 4, 132-137.	18.8	154
4	Unexpected diversity in socially synchronized rhythms of shorebirds. <i>Nature</i> , 2016, 540, 109-113.	27.8	105
5	Arctic ecosystem structure and functioning shaped by climate and herbivore body size. <i>Nature Climate Change</i> , 2014, 4, 379-383.	18.8	92
6	Brown and Polar Bear Y Chromosomes Reveal Extensive Male-Biased Gene Flow within Brother Lineages. <i>Molecular Biology and Evolution</i> , 2014, 31, 1353-1363.	8.9	90
7	The importance of marine vs. human-induced subsidies in the maintenance of an expanding mesocarnivore in the arctic tundra. <i>Journal of Animal Ecology</i> , 2011, 80, 1049-1060.	2.8	81
8	Benefiting from a migratory prey: spatio-temporal patterns in allochthonous subsidization of an arctic predator. <i>Journal of Animal Ecology</i> , 2012, 81, 533-542.	2.8	72
9	Is pre-breeding prospecting behaviour affected by snow cover in the irruptive snowy owl? A test using state-space modelling and environmental data annotated via Movebank. <i>Movement Ecology</i> , 2015, 3, 1.	2.8	68
10	Population cycles and outbreaks of small rodents: ten essential questions we still need to solve. <i>Oecologia</i> , 2021, 195, 601-622.	2.0	68
11	Sensitivity of stable isotope mixing models to variation in isotopic ratios: evaluating consequences of lipid extraction. <i>Methods in Ecology and Evolution</i> , 2010, 1, 231-241.	5.2	62
12	Intrapopulation Variability Shaping Isotope Discrimination and Turnover: Experimental Evidence in Arctic Foxes. <i>PLoS ONE</i> , 2011, 6, e21357.	2.5	56
13	Stable isotope analysis: modelling lipid normalization for muscle and eggs from arctic mammals and birds. <i>Methods in Ecology and Evolution</i> , 2011, 2, 66-76.	5.2	55
14	Predator behaviour and predation risk in the heterogeneous Arctic environment. <i>Journal of Animal Ecology</i> , 2008, 77, 439-447.	2.8	51
15	Effects of geolocators on hatching success, return rates, breeding movements, and change in body mass in 16 species of Arctic-breeding shorebirds. <i>Movement Ecology</i> , 2016, 4, 12.	2.8	51
16	Migratory connectivity of Semipalmated Sandpipers and implications for conservation. <i>Condor</i> , 2017, 119, 207-224.	1.6	50
17	The importance of willow thickets for ptarmigan and hares in shrub tundra: the more the better?. <i>Oecologia</i> , 2012, 168, 141-151.	2.0	48
18	High genetic variability of vagrant polar bears illustrates importance of population connectivity in fragmented sea ice habitats. <i>Animal Conservation</i> , 2016, 19, 337-349.	2.9	45

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19	A range-wide synthesis and timeline for phylogeographic events in the red fox (<i>Vulpes vulpes</i>). <i>BMC Evolutionary Biology</i> , 2013, 13, 114.	3.2	44
20	Polar Bears from Space: Assessing Satellite Imagery as a Tool to Track Arctic Wildlife. <i>PLoS ONE</i> , 2014, 9, e101513.	2.5	44
21	What Can Stable Isotope Analysis of Top Predator Tissues Contribute to Monitoring of Tundra Ecosystems?. <i>Ecosystems</i> , 2015, 18, 404-416.	3.4	40
22	Effects of environmental conditions on reproductive effort and nest success of Arctic breeding shorebirds. <i>Ibis</i> , 2018, 160, 608-623.	1.9	34
23	Disentangling the relative influences of global drivers of change in biodiversity: A study of the twentieth-century red fox expansion into the Canadian Arctic. <i>Journal of Animal Ecology</i> , 2020, 89, 565-576.	2.8	33
24	A link between water availability and nesting success mediated by predator-prey interactions in the Arctic. <i>Ecology</i> , 2009, 90, 465-475.	3.2	32
25	Bird Communities of the Arctic Shrub Tundra of Yamal: Habitat Specialists and Generalists. <i>PLoS ONE</i> , 2012, 7, e50335.	2.5	31
26	Marine Mammal Strandings and Environmental Changes: A 15-Year Study in the St. Lawrence Ecosystem. <i>PLoS ONE</i> , 2013, 8, e59311.	2.5	30
27	Loss of connectivity among island-dwelling Peary caribou following sea ice decline. <i>Biology Letters</i> , 2016, 12, 20160235.	2.3	29
28	Life history tradeoffs revealed by seasonal declines in reproductive traits of Arctic breeding shorebirds. <i>Journal of Avian Biology</i> , 2018, 49, jav-01531.	1.2	29
29	Hoarding of pulsed resources: Temporal variations in egg-caching by arctic fox. <i>Ecoscience</i> , 2008, 15, 268-276.	1.4	28
30	Tug of war between continental gene flow and rearing site philopatry in a migratory bird: the sex-biased dispersal paradigm reconsidered. <i>Molecular Ecology</i> , 2009, 18, 593-602.	3.9	28
31	Parasitoids indicate major climate-induced shifts in arctic communities. <i>Global Change Biology</i> , 2020, 26, 6276-6295.	9.5	26
32	The interplay of wind and uplift facilitates over-water flight in facultative soaring birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211603.	2.6	25
33	Derivation of Predator Functional Responses Using a Mechanistic Approach in a Natural System. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	24
34	Scale and selection of habitat and resources: Tibetan argali (<i>Ovis ammon hodgsoni</i>) in high-altitude rangelands. <i>Canadian Journal of Zoology</i> , 2010, 88, 436-447.	1.0	23
35	Trophic interactions and abiotic factors drive functional and phylogenetic structure of vertebrate herbivore communities across the Arctic tundra biome. <i>Ecography</i> , 2019, 42, 1152-1163.	4.5	23
36	Breeding dispersal in a heterogeneous landscape: the influence of habitat and nesting success in greater snow geese. <i>Oecologia</i> , 2008, 155, 33-41.	2.0	22

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37	Long-term phenological shifts in migration and breeding-area residency in eastern North American raptors. <i>Auk</i> , 2017, 134, 871-881.	1.4	22
38	No longer tracking greenery in high altitudes: Pastoral practices of Rupshu nomads and their implications for biodiversity conservation. <i>Pastoralism</i> , 2013, 3, 16.	1.0	21
39	Sources of variation in small rodent trophic niche: new insights from DNA metabarcoding and stable isotope analysis. <i>Isotopes in Environmental and Health Studies</i> , 2014, 50, 361-381.	1.0	21
40	Testing methods for using high-resolution satellite imagery to monitor polar bear abundance and distribution. <i>Wildlife Society Bulletin</i> , 2015, 39, 772-779.	1.6	21
41	Combining stable isotopes, morphological, and molecular analyses to reconstruct the diet of free-ranging consumers. <i>Ecology and Evolution</i> , 2020, 10, 6664-6676.	1.9	21
42	The strength of ecological subsidies across ecosystems: a latitudinal gradient of direct and indirect impacts on food webs. <i>Ecology Letters</i> , 2019, 22, 265-274.	6.4	20
43	Nest attentiveness drives nest predation in arctic sandpipers. <i>Oikos</i> , 2020, 129, 1481-1492.	2.7	20
44	Direct and indirect effects of regional and local climatic factors on trophic interactions in the Arctic tundra. <i>Journal of Animal Ecology</i> , 2020, 89, 704-715.	2.8	18
45	Population structure of caribou in an ice-bound archipelago. <i>Diversity and Distributions</i> , 2018, 24, 1092-1108.	4.1	17
46	Site fidelity and home range variation during the breeding season of peregrine falcons (<i>Falco</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.2	16
47	Annual adult survival drives trends in Arctic-breeding shorebirds but knowledge gaps in other vital rates remain. <i>Condor</i> , 2020, 122, .	1.6	16
48	Common ravens raid arctic fox food caches. <i>Journal of Ethology</i> , 2007, 25, 79-82.	0.8	15
49	Small rodents in the shrub tundra of Yamal (Russia): Density dependence in habitat use?. <i>Mammalian Biology</i> , 2014, 79, 306-312.	1.5	15
50	Diet, nesting density, and breeding success of rough-legged buzzards (<i>Buteo lagopus</i>) on the Nenetsky Ridge, Arctic Russia. <i>Polar Biology</i> , 2014, 37, 447-457.	1.2	15
51	Linking genetic and ecological differentiation in an ungulate with a circumpolar distribution. <i>Ecography</i> , 2018, 41, 922-937.	4.5	15
52	Monitoring Svalbard rock ptarmigan: Distance sampling and occupancy modeling. <i>Journal of Wildlife Management</i> , 2012, 76, 308-316.	1.8	14
53	Alloparental feeding in the king penguin. <i>Animal Behaviour</i> , 2006, 71, 457-462.	1.9	13
54	Time series data for Canadian arctic vertebrates: IPY contributions to science, management, and policy. <i>Climatic Change</i> , 2012, 115, 235-258.	3.6	13

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55	Linking time budgets to habitat quality suggests that beavers (<i>Castor canadensis</i>) are energy maximizers. Canadian Journal of Zoology, 2016, 94, 671-676.	1.0	13
56	Biotic interactions govern the distribution of coexisting ungulates in the Arctic Archipelago – A case for conservation planning. Global Ecology and Conservation, 2020, 24, e01239.	2.1	13
57	Arctic avian predators synchronise their spring migration with the northern progression of snowmelt. Scientific Reports, 2020, 10, 7220.	3.3	13
58	A nondamaging blood sampling technique for waterfowl embryos. Journal of Field Ornithology, 2006, 77, 67-70.	0.5	12
59	Landscape heterogeneity drives intra-population niche variation and reproduction in an arctic top predator. Ecology and Evolution, 2013, 3, 2867-2879.	1.9	12
60	Indirect effects of an ecosystem engineer: how the Canadian beaver can drive the reproduction of saproxylic beetles. Journal of Zoology, 2018, 304, 90-97.	1.7	12
61	Winter Use of a Highly Diverse Suite of Habitats by Irruptive Snowy Owls. Northeastern Naturalist, 2017, 24, B81-B89.	0.3	9
62	Discrimination factors of carbon and nitrogen stable isotopes from diet to hair in captive large Arctic carnivores of conservation concern. Rapid Communications in Mass Spectrometry, 2018, 32, 1773-1780.	1.5	9
63	Going further with model verification and deep learning. Methods in Ecology and Evolution, 2021, 12, 130-134.	5.2	9
64	Ecology of Arctic rabies: 60 years of disease surveillance in the warming climate of northern Canada. Zoonoses and Public Health, 2021, 68, 601-608.	2.2	9
65	Assessing the causes of breeding failure among the rough-legged buzzard (<i>Buteo lagopus</i>) during the nestling period. Polar Research, 2012, 31, 17294.	1.6	9
66	A New Way of Assessing Foraging Behaviour at the Individual Level Using Faeces Marking and Satellite Telemetry. PLoS ONE, 2012, 7, e49719.	2.5	8
67	Winter irruptive Snowy Owls (<i>Bubo scandiacus</i>) in North America are not starving. Canadian Journal of Zoology, 2018, 96, 553-558.	1.0	8
68	Seasonal micro-migration in a farm-island population of striated caracaras (<i>Phalacrocorax auritus</i>) in the Falkland Islands. Movement Ecology, 2018, 6, 4.	2.8	8
69	Dynamics and persistence of rabies in the Arctic. Polar Research, 0, , .	1.6	8
70	Comment on ‘‘Global pattern of nest predation is disrupted by climate change in shorebirds’’. Science, 2019, 364, .	12.6	7
71	The importance of data mining for conservation science: a case study on the wolverine. Biodiversity and Conservation, 2016, 25, 2629-2639.	2.6	6
72	Age composition of winter irruptive Snowy Owls in North America. Ibis, 2019, 161, 211-215.	1.9	6

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73	Behavioural responses of breeding arctic sandpipers to ground-surface temperature and primary productivity. <i>Science of the Total Environment</i> , 2021, 755, 142485.	8.0	6
74	Mapping our knowledge on birds of prey population genetics. <i>Conservation Genetics</i> , 2021, 22, 685-702.	1.5	6
75	Spatial variation in Arctic hare (<i>Lepus arcticus</i>) populations around the Hall Basin. <i>Polar Biology</i> , 2017, 40, 2113-2118.	1.2	5
76	Nesting habitat selection and distribution of an avian top predator in the Canadian Arctic. <i>Arctic Science</i> , 2018, 4, 499-512.	2.3	5
77	Is it safe to nest near conspicuous neighbours? Spatial patterns in predation risk associated with the density of American Golden-Plover nests. <i>PeerJ</i> , 2016, 4, e2193.	2.0	5
78	Écologie de la reproduction du harfang des neiges dans l'Arctique canadien. <i>Le Naturaliste Canadien</i> , 2019, 139, 17-23.	0.2	4
79	Peregrine Falcons Kill a Gyrfalcon Feeding on Their Nestling. <i>Journal of Raptor Research</i> , 2010, 44, 66-69.	0.6	3
80	Investigating the ancestry of putative hybrids: are Arctic fox and red fox hybridizing?. <i>Polar Biology</i> , 2017, 40, 2055-2062.	1.2	3
81	Understanding rabies persistence in low-density fox populations. <i>Ecoscience</i> , 2021, 28, 301-312.	1.4	3
82	New records of California serogroup viruses in <i>Aedes</i> mosquitoes and first detection in simulioidae flies from Northern Canada and Alaska. <i>Polar Biology</i> , 2021, 44, 1911-1915.	1.2	3
83	Timing of Breeding Site Availability Across the North-American Arctic Partly Determines Spring Migration Schedule in a Long-Distance Neotropical Migrant. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	3
84	New avian breeding records for Igloodik Island, Nunavut. <i>Canadian Field-Naturalist</i> , 2015, 129, 194.	0.1	2
85	Parasites of an Arctic scavenger; the wolverine (<i>Gulo gulo</i>). <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2020, 13, 178-185.	1.5	2
86	Toward understanding the effect of top predators on ecosystems. <i>F1000 Biology Reports</i> , 2009, 1, 26.	4.0	2
87	Sexing a sex-role-reversed species based on plumage: potential challenges in the red phalarope. <i>PeerJ</i> , 2016, 4, e1989.	2.0	2
88	The Centre d'études nordiques (CEN): challenges and perspectives of research on nordicity in partnership with Indigenous communities. <i>Ecoscience</i> , 2021, 28, 199-215.	1.4	2
89	Picking the right cache: caching site selection for egg predators in the arctic. <i>Polar Biology</i> , 2018, 41, 2233-2238.	1.2	1
90	An open future for <i>MEE</i> . <i>Methods in Ecology and Evolution</i> , 2022, 13, 1372-1373.	5.2	0