

# Toni Laaksonen

## List of Publications by Year in descending order

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Version: 2024-02-01

129  
papers

3,939  
citations

136740

32  
h-index

155451

55  
g-index

133  
all docs

133  
docs citations

133  
times ranked

4166  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variation in climate warming along the migration route uncouples arrival and breeding dates. <i>Global Change Biology</i> , 2004, 10, 1610-1617.	4.2	198
2	Inter-sexual differences in the immune response of Eurasian kestrel nestlings under food shortage. <i>Ecology Letters</i> , 2002, 5, 95-101.	3.0	152
3	Birds help plants: a meta-analysis of top-down trophic cascades caused by avian predators. <i>Oecologia</i> , 2011, 165, 143-151.	0.9	131
4	From Plants to Birds: Higher Avian Predation Rates in Trees Responding to Insect Herbivory. <i>PLoS ONE</i> , 2008, 3, e2832.	1.1	128
5	Variation in the diet composition of a generalist predator, the red fox, in relation to season and density of main prey. <i>Acta Oecologica</i> , 2007, 31, 276-281.	0.5	119
6	Climate change can alter competitive relationships between resident and migratory birds. <i>Journal of Animal Ecology</i> , 2007, 76, 1045-1052.	1.3	107
7	Interactive effects of parental age and environmental variation on the breeding performance of Tengmalm's owls. <i>Journal of Animal Ecology</i> , 2002, 71, 23-31.	1.3	103
8	A melanin-based trait reflects environmental growth conditions of nestling male Eurasian kestrels. <i>Evolutionary Ecology</i> , 2007, 21, 157-171.	0.5	102
9	Climate change, breeding date and nestling diet: how temperature differentially affects seasonal changes in pied flycatcher diet depending on habitat variation. <i>Journal of Animal Ecology</i> , 2012, 81, 926-936.	1.3	101
10	Geographic patterns of genetic differentiation and plumage colour variation are different in the pied flycatcher ( <i>Ficedula hypoleuca</i> ). <i>Molecular Ecology</i> , 2009, 18, 4463-4476.	2.0	90
11	Year- and sex-dependent effects of experimental brood sex ratio manipulation on fledging condition of Eurasian kestrels. <i>Journal of Animal Ecology</i> , 2004, 73, 342-352.	1.3	89
12	Barrier crossing in small avian migrants: individual tracking reveals prolonged nocturnal flights into the day as a common migratory strategy. <i>Scientific Reports</i> , 2016, 6, 21560.	1.6	89
13	Light-level geolocators reveal migratory connectivity in European populations of pied flycatchers ( <i>Ficedula hypoleuca</i> ). <i>Journal of Avian Biology</i> , 2016, 47, 69-83.	0.6	84
14	Climate change, migratory connectivity and changes in laying date and clutch size of the pied flycatcher. <i>Oikos</i> , 2006, 114, 277-290.	1.2	80
15	Yolk hormones have sex-specific long-term effects on behavior in the pied flycatcher ( <i>Ficedula</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	77
16	Climatic responses in spring migration of boreal and arctic birds in relation to wintering area and taxonomy. <i>Journal of Avian Biology</i> , 2006, 37, 507-515.	0.6	71
17	Distinguishing between male and territory quality: females choose multiple traits in the pied flycatcher. <i>Animal Behaviour</i> , 2009, 78, 1051-1060.	0.8	71
18	Population trends in boreal birds: Continuing declines in agricultural, northern, and long-distance migrant species. <i>Biological Conservation</i> , 2013, 168, 99-107.	1.9	71

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19	Female field voles with high testosterone and glucose levels produce male-biased litters. <i>Animal Behaviour</i> , 2008, 75, 1031-1039.	0.8	68
20	Phenological sensitivity to climate change is higher in resident than in migrant bird populations among European cavity breeders. <i>Global Change Biology</i> , 2018, 24, 3780-3790.	4.2	63
21	Different traits affect gain of extrapair paternity and loss of paternity in the pied flycatcher, <i>Ficedula hypoleuca</i> . <i>Animal Behaviour</i> , 2009, 77, 1103-1110.	0.8	57
22	Melanin coloration has temperature-dependent effects on breeding performance that may maintain phenotypic variation in a passerine bird. <i>Journal of Evolutionary Biology</i> , 2010, 23, 2385-2396.	0.8	52
23	Hatching asynchrony as a bet-hedging strategy - an offspring diversity hypothesis. <i>Oikos</i> , 2004, 104, 616-620.	1.2	49
24	Population fragmentation leads to isolation by distance but not genetic impoverishment in the philopatric Lesser Kestrel: a comparison with the widespread and sympatric Eurasian Kestrel. <i>Heredity</i> , 2009, 102, 190-198.	1.2	49
25	Variation in clutch size in relation to nest size in birds. <i>Ecology and Evolution</i> , 2014, 4, 3583-3595.	0.8	49
26	Home range size is determined by habitat composition but feeding rate by food availability in male Tengmalm's owls. <i>Animal Behaviour</i> , 2012, 83, 1115-1123.	0.8	47
27	Interspecific variation in the relationship between clutch size, laying date and intensity of urbanization in four species of hole-nesting birds. <i>Ecology and Evolution</i> , 2016, 6, 5907-5920.	0.8	47
28	Sex-Specific Recruitment and Brood Sex Ratios of Eurasian Kestrels in a Seasonally and Annually Fluctuating Northern Environment. <i>Evolutionary Ecology</i> , 2004, 18, 215-230.	0.5	40
29	The effects of experimentally manipulated yolk androgens on growth and immune function of male and female nestling collared flycatchers <i>Ficedula albicollis</i> . <i>Journal of Avian Biology</i> , 2009, 40, 225-230.	0.6	40
30	Number of eyespots and their intimidating effect on naïve predators in the peacock butterfly. <i>Behavioral Ecology</i> , 2011, 22, 1326-1331.	1.0	38
31	Prospecting at conspecific nests and exploration in a novel environment are associated with reproductive success in the jackdaw. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 1341-1350.	0.6	38
32	Clutch size variation in Western Palearctic secondary hole-nesting passerine birds in relation to nest box design. <i>Methods in Ecology and Evolution</i> , 2014, 5, 353-362.	2.2	36
33	Low light reflectance may explain the attraction of birds to defoliated trees. <i>Behavioral Ecology</i> , 2007, 19, 325-330.	1.0	35
34	Candidate genes for colour and vision exhibit signals of selection across the pied flycatcher ( <i>Ficedula hypoleuca</i> ) breeding range. <i>Heredity</i> , 2012, 108, 431-440.	1.2	33
35	Lifetime reproduction of a forest-dwelling owl increases with age and area of forests. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S461-4.	1.2	31
36	Yolk androgens do not appear to mediate sexual conflict over parental investment in the collared flycatcher <i>Ficedula albicollis</i> . <i>Hormones and Behavior</i> , 2009, 55, 514-519.	1.0	31

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37	Passerine Extrapair Mating Dynamics: A Bayesian Modeling Approach Comparing Four Species. <i>American Naturalist</i> , 2010, 176, 178-187.	1.0	31
38	Maternal corticosterone but not testosterone level is associated with the ratio of second-to-fourth digit length (2D:4D) in field vole offspring ( <i>Microtus agrestis</i> ). <i>Physiology and Behavior</i> , 2010, 99, 433-437.	1.0	30
39	Breeding dispersal of Eurasian kestrels <i>Falco tinnunculus</i> under temporally fluctuating food abundance. <i>Journal of Avian Biology</i> , 2011, 42, 552-563.	0.6	30
40	Large-scale geographical variation in eggshell metal and calcium content in a passerine bird ( <i>Ficedula</i> ) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	2.7	29
41	Effects of Experimental Brood Size Manipulation and Gender on Carotenoid Levels of Eurasian Kestrels <i>Falco tinnunculus</i> . <i>PLoS ONE</i> , 2008, 3, e2374.	1.1	29
42	Geographical Variation in Egg Mass and Egg Content in a Passerine Bird. <i>PLoS ONE</i> , 2011, 6, e25360.	1.1	29
43	Great tits lay increasingly smaller clutches than selected for: a study of climate- and density-related changes in reproductive traits. <i>Journal of Animal Ecology</i> , 2009, 78, 1298-1306.	1.3	27
44	Ineffective enforced legislation for nature conservation: A case study with Siberian flying squirrel and forestry in a boreal landscape. <i>Biological Conservation</i> , 2013, 157, 237-244.	1.9	27
45	Within-individual repeatability in telomere length: A meta-analysis in nonmammalian vertebrates. <i>Molecular Ecology</i> , 2022, 31, 6339-6359.	2.0	27
46	Survival of male Tengmalm's owls increases with cover of old forest in their territory. <i>Oecologia</i> , 2008, 155, 479-486.	0.9	26
47	Long-term fitness consequences of high yolk androgen levels: sons pay the costs. <i>Functional Ecology</i> , 2012, 26, 884-894.	1.7	26
48	Non-invasive genetic monitoring involving citizen science enables reconstruction of current pack dynamics in a re-establishing wolf population. <i>BMC Ecology</i> , 2017, 17, 44.	3.0	24
49	Successful voluntary conservation of raptor nests under intensive forestry pressure in a boreal landscape. <i>Animal Conservation</i> , 2012, 15, 571-578.	1.5	23
50	Do Insectivorous Birds use Volatile Organic Compounds from Plants as Olfactory Foraging Cues? Three Experimental Tests. <i>Ethology</i> , 2015, 121, 1131-1144.	0.5	23
51	Sympatric divergence and clinal variation in multiple coloration traits of <i>Ficedula</i> flycatchers. <i>Journal of Evolutionary Biology</i> , 2015, 28, 779-790.	0.8	23
52	Variation in eggshell traits between geographically distant populations of pied flycatchers <i>Ficedula hypoleuca</i> . <i>Journal of Avian Biology</i> , 2013, 44, 111-120.	0.6	22
53	Active hiding of social information from information-parasites. <i>BMC Evolutionary Biology</i> , 2014, 14, 32.	3.2	22
54	Long-lasting effects of yolk androgens on phenotype in the pied flycatcher ( <i>Ficedula hypoleuca</i> ). <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 361-372.	0.6	21

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55	Natural selection for earlier male arrival to breeding grounds through direct and indirect effects in a migratory songbird. <i>Ecology and Evolution</i> , 2015, 5, 1205-1213.	0.8	21
56	Yolk hormones and sexual conflict over parental investment in the pied flycatcher. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 257-264.	0.6	20
57	Intraguild predation and competition impacts on a subordinate predator. <i>Oecologia</i> , 2016, 181, 257-269.	0.9	20
58	Environmental pollution has sex-dependent effects on local survival. <i>Biology Letters</i> , 2006, 2, 298-300.	1.0	19
59	Tree cavity abundance and beyond: Nesting and food storing sites of the pygmy owl in managed boreal forests. <i>Forest Ecology and Management</i> , 2020, 460, 117818.	1.4	19
60	Forehead Patch Size Predicts the Outcome of Male-Male Competition in the Pied Flycatcher. <i>Ethology</i> , 2013, 119, 662-670.	0.5	18
61	The effects of sex, age and breeding success on breeding dispersal of pied flycatchers along a pollution gradient. <i>Oecologia</i> , 2008, 157, 231-238.	0.9	17
62	A Role for Volatiles in Intra- and Inter-Plant Interactions in Birch. <i>Journal of Chemical Ecology</i> , 2014, 40, 1203-1211.	0.9	17
63	Nest Defence Behaviour and Testosterone Levels in Female Pied Flycatchers. <i>Ethology</i> , 2015, 121, 946-957.	0.5	17
64	Testosterone levels in relation to size and UV reflectance of achromatic plumage traits of female pied flycatchers. <i>Journal of Avian Biology</i> , 2017, 48, 243-254.	0.6	17
65	Impact of continuous predator threat on telomere dynamics in parent and nestling pied flycatchers. <i>Oecologia</i> , 2019, 191, 757-766.	0.9	17
66	Selection on laying date is connected to breeding density in the pied flycatcher. <i>Oecologia</i> , 2012, 168, 703-710.	0.9	16
67	Landscape-Scale Gradients and Temporal Changes in the Prey Species of the White-Tailed Eagle ( <i>Haliaeetus albicilla</i> ). <i>Annales Zoologici Fennici</i> , 2016, 53, 228-240.	0.2	16
68	Nosy neighbours: large broods attract more visitors. A field experiment in the pied flycatcher, <i>Ficedula hypoleuca</i> . <i>Oecologia</i> , 2017, 184, 115-126.	0.9	16
69	The Indo-European flyway: Opportunities and constraints reflected by Common Rosefinches breeding across Europe. <i>Journal of Biogeography</i> , 2021, 48, 1255-1266.	1.4	16
70	Geographical trends in the yolk carotenoid composition of the pied flycatcher ( <i>Ficedula hypoleuca</i> ). <i>Oecologia</i> , 2011, 165, 277-287.	0.9	15
71	Evaluation of artificial nests as a conservation tool for three forest-dwelling raptors. <i>Animal Conservation</i> , 2013, 16, 546-555.	1.5	15
72	Habitat Effects on the Breeding Performance of Three Forest-Dwelling Hawks. <i>PLoS ONE</i> , 2015, 10, e0137877.	1.1	15

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73	Foster, but not genetic, father plumage coloration has a temperature-dependent effect on offspring quality. <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 335-346.	0.6	15
74	Digit ratios have poor indicator value in a wild bird population. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 983-994.	0.6	14
75	Long-term effects of yolk androgens on phenotype and parental feeding behavior in a wild passerine. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 1201-1211.	0.6	14
76	Temporal peaks in social information: prospectors investigate conspecific nests after a simulated predator visit. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 905-911.	0.6	14
77	Sex-specific offspring growth according to maternal testosterone, corticosterone, and glucose levels. <i>Behavioral Ecology</i> , 2013, 24, 205-212.	1.0	14
78	Species and abundance of ectoparasitic flies (Diptera) in pied flycatcher nests in Fennoscandia. <i>Parasites and Vectors</i> , 2015, 8, 648.	1.0	14
79	The roles of temperature, nest predators and information parasites for geographical variation in egg covering behaviour of tits (Paridae). <i>Journal of Biogeography</i> , 2020, 47, 1482-1493.	1.4	14
80	Digit length ratio (2D/4D): comparing measurements from X-rays and photographs in field voles ( <i>Microtus agrestis</i> ). <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 1539-1547.	0.6	13
81	The proteomics of feather development in pied flycatchers ( <i>Ficedula hypoleuca</i> ) with different plumage coloration. <i>Molecular Ecology</i> , 2012, 21, 5762-5777.	2.0	13
82	Fluctuating selection and immigration as determinants of the phenotypic composition of a population. <i>Oecologia</i> , 2013, 173, 305-317.	0.9	13
83	Fecundity selection does not vary along a large geographical cline of trait means in a passerine bird. <i>Biological Journal of the Linnean Society</i> , 2015, 114, 808-827.	0.7	13
84	Insect herbivory may cause changes in the visual properties of leaves and affect the camouflage of herbivores to avian predators. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	0.6	13
85	Interspecific transfer of parasites following a range shift in <i>Ficedula</i> flycatchers. <i>Ecology and Evolution</i> , 2018, 8, 12183-12192.	0.8	13
86	A new efficient bait-trap model for Lepidoptera surveys – the “Oulu” model. <i>Entomologica Fennica</i> , 2006, 17, 153-160.	0.6	13
87	Latitudinal Gradient in 2D:4D. <i>Archives of Sexual Behavior</i> , 2009, 38, 1-3.	1.2	12
88	Predation risk affects the levels of maternal immune factors in avian eggs. <i>Journal of Avian Biology</i> , 2013, 44, 427-436.	0.6	12
89	Heterospecific female mimicry in <i>Ficedula</i> flycatchers. <i>Journal of Evolutionary Biology</i> , 2014, 27, 660-666.	0.8	12
90	Carry-over effects of conditions at the wintering grounds on breeding plumage signals in a migratory bird: roles of phenotypic plasticity and selection. <i>Journal of Evolutionary Biology</i> , 2016, 29, 1569-1584.	0.8	12

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91	Returning white-tailed eagles breed as successfully in landscapes under intensive forestry regimes as in protected areas. <i>Animal Conservation</i> , 2013, 16, 500-508.	1.5	11
92	Proximity to windâ€power plants reduces the breeding success of the whiteâ€tailed eagle. <i>Animal Conservation</i> , 2016, 19, 265-272.	1.5	11
93	Food hoarding of an avian predator: sex- and age-related differences under fluctuating food conditions. <i>Behavioral Ecology and Sociobiology</i> , 2018, 72, 1.	0.6	11
94	Age and sex differences in numerical responses, dietary shifts, and total responses of a generalist predator to population dynamics of main prey. <i>Oecologia</i> , 2020, 192, 699-711.	0.9	11
95	Population differences in the length and earlyâ€life dynamics of telomeres among European pied flycatchers. <i>Molecular Ecology</i> , 2022, 31, 5966-5978.	2.0	11
96	Brood size manipulations in a spatially and temporally varying environment: male Tengmalmâ€™s owls pass increased reproductive costs to offspring. <i>Oecologia</i> , 2014, 176, 423-430.	0.9	10
97	Predator encounters have spatially extensive impacts on parental behaviour in a breeding bird community. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160020.	1.2	10
98	Post-fledging movements of white-tailed eagles: Conservation implications for wind-energy development. <i>Ambio</i> , 2016, 45, 831-840.	2.8	10
99	Effects of interspecific coexistence on laying date and clutch size in two closely related species of holeâ€nesting birds. <i>Journal of Animal Ecology</i> , 2018, 87, 1738-1748.	1.3	10
100	Begging calls provide social cues for prospecting conspecifics in the wild Zebra Finch ( <i>Taeniopygia</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.7	10
101	Identifying the paths of climate effects on population dynamics: dynamic and multilevel structural equation model around the annual cycle. <i>Oecologia</i> , 2021, 195, 525-538.	0.9	10
102	An experimental test of whether pied flycatchers choose the best territory for rearing the young. <i>Environmental Epigenetics</i> , 2015, 61, 604-613.	0.9	9
103	Voluntary Nonmonetary Conservation Approaches on Private Land: A Review of Constraints, Risks, and Benefits for Raptor Nest Protection. <i>Environmental Management</i> , 2015, 55, 321-329.	1.2	8
104	Maternal transfer of androgens in eggs is affected by food supplementation but not by predation risk. <i>Journal of Avian Biology</i> , 2016, 47, 629-641.	0.6	8
105	Diet and breeding habitat preferences of White-tailed Eagles in a northern inland environment. <i>Polar Biology</i> , 2020, 43, 2071-2084.	0.5	8
106	Birds of three worlds: moult migration to high Arctic expands a boreal-temperate flyway to a third biome. <i>Movement Ecology</i> , 2021, 9, 47.	1.3	8
107	Sex-dependent responses to increased parental effort in the pied flycatcher. <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 157-169.	0.6	7
108	Ecological crossovers of sexual signaling in a migratory bird*. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 2038-2048.	1.1	7

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109	The difference between generalist and specialist: the effects of wide fluctuations in main food abundance on numbers and reproduction of two coexisting predators. <i>Journal of Avian Biology</i> , 2020, 51, .	0.6	7
110	Responses of Owls and Eurasian Kestrels to Spatio-Temporal Variation of Their Main Prey. <i>Ardea</i> , 2009, 97, 646-647.	0.3	6
111	Sex-specific effects of yolk androgens on begging behavior and digestion in pied flycatchers. <i>Journal of Avian Biology</i> , 2013, 44, 331-338.	0.6	6
112	Habitat choice of a secondary cavity user indicates higher avoidance of disturbed habitat during breeding than during food-hoarding. <i>Forest Ecology and Management</i> , 2021, 483, 118925.	1.4	6
113	Spatial and dietary sources of elevated mercury exposure in white-tailed eagle nestlings in an Arctic freshwater environment. <i>Environmental Pollution</i> , 2021, 290, 117952.	3.7	6
114	Breeding time trends of the Crested Tit ( <i>Lophophanes cristatus</i> ) in southern Finland: comparison of data sources. <i>Journal of Ornithology</i> , 2012, 153, 653-661.	0.5	5
115	Climate change and perishable food hoards of an avian predator: Is the freezer still working?. <i>Global Change Biology</i> , 2020, 26, 5414-5430.	4.2	5
116	The surrogacy potential of white-tailed sea eagle nesting habitat on islands of the Baltic Sea. <i>Ecological Indicators</i> , 2015, 57, 215-218.	2.6	4
117	Assessing space use by pre-breeding white-tailed eagles in the context of wind-energy development in Finland. <i>Landscape and Urban Planning</i> , 2018, 177, 251-258.	3.4	4
118	Interplays between pre- and post-natal environments affect early-life mortality, body mass and telomere dynamics in the wild. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	4
119	A rapid increase of large-sized waterfowl does not explain the population declines of small-sized waterbird at their breeding sites. <i>Global Ecology and Conservation</i> , 2022, 36, e02144.	1.0	4
120	Elevated oxidative stress in pied flycatcher nestlings of eumelanin foster fathers under low rearing temperatures. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	3
121	Interaction of climate change with effects of conspecific and heterospecific density on reproduction. <i>Oikos</i> , 2020, 129, 1807-1819.	1.2	3
122	Predicting spatio-temporal distributions of migratory populations using Gaussian process modelling. <i>Journal of Applied Ecology</i> , 0, , .	1.9	3
123	Maternally transferred thyroid hormones and life-history variation in birds. <i>Journal of Animal Ecology</i> , 2022, 91, 1489-1506.	1.3	3
124	Effects of Insect Herbivory on Bilberry Production and Removal of Berries by Frugivores. <i>Journal of Chemical Ecology</i> , 2017, 43, 422-432.	0.9	2
125	White-tailed eagle ( <i>Haliaeetus albicilla</i> ) and great cormorant ( <i>Phalacrocorax carbo</i> ) nestlings as spatial sentinels of Baltic acidic sulphate soil associated metal contamination. <i>Science of the Total Environment</i> , 2020, 718, 137424.	3.9	2
126	Do Pied Flycatchers Use Personal or Social Information for Replacement Clutch Decisions? A Field Experiment. <i>Ethology</i> , 2015, 121, 686-693.	0.5	1



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127	Vertebrate pest management: diverse solutions for diverse problems. <i>Pest Management Science</i> , 2015, 71, 165-165.	1.7	1
128	Habitat use by post-fledging white-tailed eagles shows avoidance of human infrastructure and agricultural areas. <i>European Journal of Wildlife Research</i> , 2021, 67, 1.	0.7	1
129	Major population splits coincide with episodes of rapid climate change in a forest-dependent bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211066.	1.2	1