Tapio Eeva

List of Publications by Year
in descending order

121 papers	5,505 citations	76322 40 h-index	95259 68 g-index
127 all docs	127 docs citations	127 times ranked	4726 citing authors

#	Article	IF	Citations
1	Largeâ€“scale geographical variation confirms that climate change causes birds to lay earlier. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1657-1662.	2.6	357
2	Adaptive responses of animals to climate change are most likely insufficient. Nature Communications, 2019, 10, 3109.	12.8	285
3	The Design of Artificial Nestboxes for the Study of Secondary Hole-Nesting Birds: A Review of Methodological Inconsistencies and Potential Biases. Acta Ornithologica, 2010, 45, 1-26.	0.5	274
4	Metal-related oxidative stress in birds. Environmental Pollution, 2010, 158, 2359-2370.	7.5	205
5	Variation in climate warming along the migration route uncouples arrival and breeding dates. Global Change Biology, 2004, 10, 1610-1617.	9.5	198
6	Evolutionary signals of selection on cognition from the great tit genome and methylome. Nature Communications, 2016, 7, 10474.	12.8	172
7	Growth and mortality of nestling great tits (Parus major) and pied flycatchers (Ficedula hypoleuca) in a heavy metal pollution gradient. Oecologia, 1996, 108, 631-639.	2.0	138
8	Egg shell quality, clutch size and hatching success of the great tit (Parus major) and the pied flycatcher (Ficedula hypoleuca) in an air pollution gradient. Oecologia, 1995, 102, 312-323.	2.0	124
9	Air pollution fades the plumage of the Great Tit. Functional Ecology, 1998, 12, 607-612.	3.6	124
10	Biomarkers and fluctuating asymmetry as indicators of pollution-induced stress in two hole-nesting passerines. Functional Ecology, 2000, 14, 235-243.	3.6	116
11	Climate change can alter competitive relationships between resident and migratory birds. Journal of Animal Ecology, 2007, 76, 1045-1052.	2.8	107
12	Pollution-related changes in diets of two insectivorous passerines. Oecologia, 2005, 145, 629-639.	2.0	105
13	Recovery of breeding success in wild birds. Nature, 2000, 403, 851-852.	27.8	104
14	Climate change, breeding date and nestling diet: how temperature differentially affects seasonal changes in pied flycatcher diet depending on habitat variation. Journal of Animal Ecology, 2012, 81, 926-936.	2.8	101
15	Heavy metal pollution disturbs immune response in wild ant populations. Environmental Pollution, 2007, 145, 324-328.	7.5	100
16	Species- and age-related variation in metal exposure and accumulation of two passerine bird species. Environmental Pollution, 2011, 159, 2368-2374.	7.5	92
17	A review on exposure and effects of arsenic in passerine birds. Science of the Total Environment, 2015, 512-513, 506-525.	8.0	92
18	POLLUTION-RELATED VARIATION IN FOOD SUPPLY AND BREEDING SUCCESS IN TWO HOLE-NESTING PASSERINES. Ecology, 1997, 78, 1120-1131.	3.2	90

#	Article	IF	Citations
19	Breeding performance of blue tits (Cyanistes caeruleus) and great tits (Parus major) in a heavy metal polluted area. Environmental Pollution, 2009, 157, 3126-3131.	7.5	89
20	Effects of ectoparasites on breeding success of great tits (Parus major) and pied flycatchers (Ficedula) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	82
21	Metal pollution indirectly increases oxidative stress in great tit (Parus major) nestlings. Environmental Research, 2011, 111, 362-370.	7.5	81
22	Climate change, migratory connctivity and changes in laying date and clutch size of the pied flycatcher. Oikos, 2006, 114, 277-290.	2.7	80
23	Effects of heavy metal pollution on red wood ant (Formica s. str.) populations. Environmental Pollution, 2004, 132, 533-539.	7.5	79
24	The effects of diet quality and quantity on plumage colour and growth of great tit Parus major nestlings: a food manipulation experiment along a pollution gradient. Journal of Avian Biology, 2009, 40, 491-499.	1.2	66
25	Carotenoid Composition of Invertebrates Consumed by Two Insectivorous Bird Species. Journal of Chemical Ecology, 2010, 36, 608-613.	1.8	66
26	Timing of breeding in subarctic passerines in relation to food availability. Canadian Journal of Zoology, 2000, 78, 67-78.	1.0	65
27	Brominated flame retardants and organochlorines in the European environment using great tit eggs as a biomonitoring tool. Environment International, 2009, 35, 310-317.	10.0	63
28	Phenological sensitivity to climate change is higher in resident than in migrant bird populations among European cavity breeders. Global Change Biology, 2018, 24, 3780-3790.	9.5	63
29	Pollution related effects on immune function and stress in a free-living population of pied flycatcherFicedula hypoleuca. Journal of Avian Biology, 2005, 36, 405-412.	1.2	60
30	Rich calcium availability diminishes heavy metal toxicity in Pied Flycatcher. Functional Ecology, 2004, 18, 548-553.	3.6	59
31	Dependence of Postjuvenile Moult on Hatching Date, Condition and Sex in the Great Tit. Journal of Avian Biology, 1999, 30, 437.	1.2	58
32	Environmental pollution affects genetic diversity in wild bird populations. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 608, 8-15.	1.7	58
33	POLLUTION-INDUCED NUTRITIONAL STRESS IN BIRDS: AN EXPERIMENTAL STUDY OF DIRECT AND INDIRECT EFFECTS. , 2003, 13, 1242-1249.		49
34	Variation in clutch size in relation to nest size in birds. Ecology and Evolution, 2014, 4, 3583-3595.	1.9	49
35	Environmental Pollution Affects the Plumage Color of Great Tit Nestlings through Carotenoid Availability. EcoHealth, 2008, 5, 328-337.	2.0	47
36	Interspecific variation in the relationship between clutch size, laying date and intensity of urbanization in four species of holeâ€nesting birds. Ecology and Evolution, 2016, 6, 5907-5920.	1.9	47

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37	Oxidative status in nestlings of three small passerine species exposed to metal pollution. Science of the Total Environment, 2013, 454-455, 466-473.	8.0	46
38	Different responses to cold weather in two pied flycatcher populations. Ecography, 2002, 25, 705-713.	4.5	45
39	Assessing heavy metal pollution using Great Tits (Parus major): feathers and excrements from nestlings and adults. Environmental Monitoring and Assessment, 2013, 185, 5339-5344.	2.7	43
40	Telomere damage and redox status alterations in free-living passerines exposed to metals. Science of the Total Environment, 2017, 575, 841-848.	8.0	43
41	Host dispersal shapes the population structure of a tickâ€borne bacterial pathogen. Molecular Ecology, 2020, 29, 485-501.	3.9	43
42	Pollution impacts on bird population density and species diversity at four non-ferrous smelter sites. Biological Conservation, 2012, 150, 33-41.	4.1	40
43	Assessing the Effects of Climate on Host-Parasite Interactions: A Comparative Study of European Birds and Their Parasites. PLoS ONE, 2013, 8, e82886.	2.5	38
44	The use of blue tit eggs as a biomonitoring tool for organohalogenated pollutants in the European environment. Science of the Total Environment, 2010, 408, 1451-1457.	8.0	36
45	Clutchâ€size variation in Western Palaearctic secondary holeâ€nesting passerine birds in relation to nest box design. Methods in Ecology and Evolution, 2014, 5, 353-362.	5.2	36
46	Pollution diminishes intra-specific aggressiveness between wood ant colonies. Science of the Total Environment, 2010, 408, 3189-3192.	8.0	34
47	Experimental manipulation of dietary lead levels in great tit nestlings: limited effects on growth, physiology and survival. Ecotoxicology, 2014, 23, 914-928.	2.4	34
48	Temporal Trends in Metal Pollution: Using Bird Excrement as Indicator. PLoS ONE, 2015, 10, e0117071.	2.5	32
49	Decreased metal accumulation in passerines as a result of reduced emissions. Environmental Toxicology and Chemistry, 2012, 31, 1317-1323.	4.3	31
50	Large-scale geographical variation in eggshell metal and calcium content in a passerine bird (Ficedula) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	5.8	29
51	Geographical Variation in Egg Mass and Egg Content in a Passerine Bird. PLoS ONE, 2011, 6, e25360.	2.5	29
52	Great tits lay increasingly smaller clutches than selected for: a study of climateâ€•and densityâ€•related changes in reproductive traits. Journal of Animal Ecology, 2009, 78, 1298-1306.	2.8	27
53	Effects of pollution on land snail abundance, size and diversity as resources for pied flycatcher, Ficedula hypoleuca. Science of the Total Environment, 2010, 408, 4165-4169.	8.0	27
54	Seasonal Variation in the Regulation of Redox State and Some Biotransformation Enzyme Activities in the Barn Swallow (Hirundo rusticaL.). Physiological and Biochemical Zoology, 2012, 85, 148-158.	1.5	27

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55	Long-term recovery of clutch size and egg shell quality of the pied flycatcher (Ficedula hypoleuca) in a metal polluted area. Environmental Pollution, 2015, 201, 26-33.	7.5	25
56	Connecting the data landscape of longâ€term ecological studies: The SPIâ€Birds data hub. Journal of Animal Ecology, 2021, 90, 2147-2160.	2.8	25
57	Fluctuating asymmetry in great tit nestlings in relation to diet quality, calcium availability and pollution exposure. Science of the Total Environment, 2010, 408, 3303-3309.	8.0	24
58	Effects of early-life lead exposure on oxidative status and phagocytosis activity in great tits (Parus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 24-34.	2.6	24
59	Effects of experimental calcium availability and anthropogenic metal pollution on eggshell characteristics and yolk carotenoid and vitamin levels in two passerine birds. Chemosphere, 2016, 151, 189-201.	8.2	24
60	Experimental manipulation of dietary arsenic levels in great tit nestlings: Accumulation pattern and effects on growth, survival and plasma biochemistry. Environmental Pollution, 2018, 233, 764-773.	7.5	24
61	Variation of Basal EROD Activities in Ten Passerine Bird Species â€“ Relationships with Diet and Migration Status. PLoS ONE, 2012, 7, e33926.	2.5	24
62	Carotenoids in a food chain along a pollution gradient. Science of the Total Environment, 2008, 406, 247-255.	8.0	22
63	Variation in eggshell traits between geographically distant populations of pied flycatchers Ficedula hypoleuca. Journal of Avian Biology, 2013, 44, 111-120.	1.2	22
64	Interspecific variation in redox status regulation and immune defence in five bat species: the role of ectoparasites. Oecologia, 2014, 175, 811-823.	2.0	22
65	Leg deformities of oribatid mites as an indicator of environmental pollution. Science of the Total Environment, 2009, 407, 4771-4776.	8.0	20
66	Environmental pollution has sex-dependent effects on local survival. Biology Letters, 2006, 2, 298-300.	2.3	19
67	Local survival of pied flycatcher males and females in a pollution gradient of a Cu smelter. Environmental Pollution, 2009, 157, 1857-1861.	7.5	19
68	Variation in prevalence and intensity of two avian ectoparasites in a polluted area. Parasitology, 2013, 140, 1384-1393.	1.5	19
69	Effects of dietary lead exposure on vitamin levels in great tit nestlings â€“ An experimental manipulation. Environmental Pollution, 2016, 213, 688-697.	7.5	19
70	Effects of calcium supplementation on growth and biochemistry in two passerine species breeding in a Ca-poor and metal-polluted area. Environmental Science and Pollution Research, 2016, 23, 9809-9821.	5.3	19
71	Juvenile Barn Swallows Hirundo rustica L. from late broods start autumn migration younger, fuel less effectively and show lower return rates than juveniles from early broods. Ibis, 2017, 159, 892-901.	1.9	19
72	Breeding success and lutein availability in great tit (Parus major). Acta Oecologica, 2009, 35, 805-810.	1.1	18

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73	The effects of sex, age and breeding success on breeding dispersal of pied flycatchers along a pollution gradient. Oecologia, 2008, 157, 231-238.	2.0	17
74	Low but contrasting neutral genetic differentiation shaped by winter temperature in European great tits. Biological Journal of the Linnean Society, 2016, 118, 668-685.	1.6	17
75	Leaves, berries and herbivorous larvae of bilberry Vaccinium myrtillus as sources of metals in food chains at a Cu-Ni smelter site. Chemosphere, 2018, 210, 859-866.	8.2	17
76	Transgenerational endocrine disruption: Does elemental pollution affect egg or nestling thyroid hormone levels in a wild songbird?. Environmental Pollution, 2019, 247, 725-735.	7.5	17
77	Arsenic-related oxidative stress in experimentally-dosed wild great tit nestlings. Environmental Pollution, 2020, 259, 113813.	7.5	17
78	Trace Elements in Faeces of Great Tit Nestlings in Relation to Breeding Performance in Coastal Areas in Central Portugal. Archives of Environmental Contamination and Toxicology, 2012, 63, 594-600.	4.1	16
79	Selection on laying date is connected to breeding density in the pied flycatcher. Oecologia, 2012, 168, 703-710.	2.0	16
80	Effects of calcium supplementation on oxidative status and oxidative damage in great tit nestlings inhabiting a metal-polluted area. Environmental Research, 2019, 171, 484-492.	7.5	16
81	Local survival rates of the pied flycatchers (Ficedula hypoleuca) and the great tits (Parus) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	15
82	Geographical trends in the yolk carotenoid composition of the pied flycatcher (Ficedula hypoleuca). Oecologia, 2011, 165, 277-287.	2.0	15
83	Plasma carotenoid levels are not directly related to heavy metal exposure or reproductive success in three insectivorous passerines. Environmental Toxicology and Chemistry, 2012, 31, 1363-1369.	4.3	15
84	No delayed behavioral and phenotypic responses to experimental early-life lead exposure in great tits (Parus major). Environmental Science and Pollution Research, 2015, 22, 2610-2621.	5.3	15
85	Oxidative status in relation to metal pollution and calcium availability in pied flycatcher nestlings â€“ A calcium manipulation experiment. Environmental Pollution, 2017, 229, 448-458.	7.5	15
86	Metal and metalloid exposure and oxidative status in free-living individuals of Myotis daubentonii. Ecotoxicology and Environmental Safety, 2019, 169, 93-102.	6.0	15
87	Bird Feces as Indicators of Metal Pollution: Pitfalls and Solutions. Toxics, 2020, 8, 124.	3.7	15
88	Bird populations most exposed to climate change are less sensitive to climatic variation. Nature Communications, 2022, 13, 2112.	12.8	15
89	Polluted environment and cold weather induce laying gaps in great tit and pied flycatcher. Oecologia, 2010, 162, 533-539.	2.0	14
90	Antioxidant status in relation to age, condition, reproductive performance and pollution in three passerine species. Journal of Avian Biology, 2014, 45, 235-246.	1.2	14

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91	Species and abundance of ectoparasitic flies (Diptera) in pied flycatcher nests in Fennoscandia. Parasites and Vectors, 2015, 8, 648.	2.5	14
92	The roles of temperature, nest predators and information parasites for geographical variation in egg covering behaviour of tits (Paridae). Journal of Biogeography, 2020, 47, 1482-1493.	3.0	14
93	Timing of breeding in subarctic passerines in relation to food availability. Canadian Journal of Zoology, 2000, 78, 67-78.	1.0	14
94	Winter activity of boreal bats. Mammalian Biology, 2021, 101, 609-618.	1.5	13
95	Vitamin profiles in two free-living passerine birds under a metal pollution gradient â€“ A calcium supplementation experiment. Ecotoxicology and Environmental Safety, 2017, 138, 242-252.	6.0	12
96	Does Arsenic Contamination Affect DNA Methylation Patterns in a Wild Bird Population? An Experimental Approach. Environmental Science & Technology, 2021, 55, 8947-8954.	10.0	12
97	Empty nests in the great tit (Parus major) and the pied flycatcher (Ficedula hypoleuca) in a polluted area. Environmental Pollution, 2000, 109, 303-309.	7.5	11
98	Body condition is associated with adrenocortical response in the barn swallow (Hirundo rustica L.) during early stages of autumn migration. Oecologia, 2010, 163, 323-332.	2.0	11
99	Great tits breeding performance and mercury contamination from the paper and pulp industry in the west coast of Portugal. Chemistry and Ecology, 2014, 30, 206-215.	1.6	11
100	Effects of interspecific coexistence on laying date and clutch size in two closely related species of holeâ€nesting birds. Journal of Animal Ecology, 2018, 87, 1738-1748.	2.8	10
101	Physiological effects of toxic elements on a wild nightjar species. Environmental Pollution, 2020, 263, 114568.	7.5	10
102	Identifying the paths of climate effects on population dynamics: dynamic and multilevel structural equation model around the annual cycle. Oecologia, 2021, 195, 525-538.	2.0	10
103	The breeding biology of the RedstartPhoenicurus phoenicurusin a marginal area of Finland. Bird Study, 1996, 43, 351-355.	1.0	9
104	Seasonal occurrence of arthropods as a source of food for birds in Finnish Lapland. Entomologica Fennica, 1995, 6, 177-181.	0.6	9
105	Density effect on great tit (Parus major) clutch size intensifies in a polluted environment. Oecologia, 2013, 173, 1661-1668.	2.0	8
106	The effect of experimental lead pollution on DNA methylation in a wild bird population. Epigenetics, 2022, 17, 625-641.	2.7	8
107	Developmental changes in 7-ethoxyresorufin-O-deethylase (EROD) and Î´-aminolevulinic acid dehydratase (ALA-D) activities in three passerines. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1999, 124, 197-202.	0.5	6
108	Effects of air pollution from pulp and paper industry on breeding success of Great tit in maritime pine forests. Ecoscience, 2011, 18, 115-123.	1.4	6

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109	Weather effects on breeding parameters of two insectivorous passerines in a polluted area. Science of the Total Environment, 2020, 729, 138913.	8.0	6
110	Blood concentrations of 50 elements in Eagle owl (Bubo bubo) at different contamination scenarios and related effects on plasma vitamin levels. Environmental Pollution, 2020, 265, 115012.	7.5	6
111	Toxic elements in blood of red-necked nightjars (Caprimulgus ruficollis) inhabiting differently polluted environments. Environmental Pollution, 2020, 262, 114334.	7.5	6
112	Breeding time trends of the Crested Tit (Lophophanes cristatus) in southern Finland: comparison of data sources. Journal of Ornithology, 2012, 153, 653-661.	1.1	5
113	Corticosterone secretion patterns prior to spring and autumn migration differ in free-living barn swallows (Hirundo rustica L.). Oecologia, 2013, 173, 689-697.	2.0	5
114	Spatio-temporal variation in the body condition of female pied flycatcher (Ficedula hypoleuca) in a polluted environment. Urban Ecosystems, 2017, 20, 1035-1043.	2.4	5
115	Female oxidative status in relation to calcium availability, metal pollution and offspring development in a wild passerine. Environmental Pollution, 2020, 260, 113921.	7.5	5
116	Interaction of climate change with effects of conspecific and heterospecific density on reproduction. Oikos, 2020, 129, 1807-1819.	2.7	3
117	Blood Toxic Elements and Effects on Plasma Vitamins and Carotenoids in Two Wild Bird Species: Turdus merula and Columba livia. Toxics, 2021, 9, 219.	3.7	3
118	Maternally transferred thyroid hormones and lifeâ€history variation in birds. Journal of Animal Ecology, 2022, 91, 1489-1506.	2.8	3
119	Metal pollution does not bias offspring sex ratio in great tit (Parus major). Environmental Science and Pollution Research, 2012, 19, 2870-2878.	5.3	2
120	Polluted environment does not speed up age-related change in reproductive performance of the Pied Flycatcher. Journal of Ornithology, 2018, 159, 173-182.	1.1	2
121	Calcium supplementation of pied flycatcher females in a metal-polluted environment: protective effect against oxidative stress?. Toxicology Letters, 2018, 295, S86.	0.8	0