# Tapio Eeva

## List of Publications by Year in Descending Order



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| 121 papers | 4,450 citations | 37 h-index | 63 g-index |
| 126 ext. papers | 4,972 ext. citations | 6 avg, IF | 5.35 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 121 | Bird populations most exposed to climate change are less sensitive to climatic variation.. *Nature Communications*, **2022**, 13, 2112 | 17.4 | 0 |
| 120 | Maternally-transferred thyroid hormones and life-history variation in birds.. *Journal of Animal Ecology*, **2022**, | 4.7 | 1 |
| 119 | Connecting the data landscape of long-term ecological studies: The SPI-Birds data hub. *Journal of Animal Ecology*, **2021**, 90, 2147-2160 | 4.7 | 9 |
| 118 | Winter activity of boreal bats. *Mammalian Biology*, **2021**, 101, 609-618 | 1.6 | 3 |
| 117 | Does Arsenic Contamination Affect DNA Methylation Patterns in a Wild Bird Population? An Experimental Approach. *Environmental Science & Technology*, **2021**, 55, 8947-8954 | 10.3 | 2 |
| 116 | Identifying the paths of climate effects on population dynamics: dynamic and multilevel structural equation model around the annual cycle. *Oecologia*, **2021**, 195, 525-538 | 2.9 | 1 |
| 115 | The effect of experimental lead pollution on DNA methylation in a wild bird population. *Epigenetics* , **2021**, 1-17 | 5.7 | 0 |
| 114 | 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 | 9.3 | 3 |
| 113 | Toxic elements in blood of red-necked nightjars (Caprimulgus ruficollis) inhabiting differently polluted environments. *Environmental Pollution*, **2020**, 262, 114334 | 9.3 | 4 |
| 112 | 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 | 4.1 | 7 |
| 111 | Female oxidative status in relation to calcium availability, metal pollution and offspring development in a wild passerine. *Environmental Pollution*, **2020**, 260, 113921 | 9.3 | 3 |
| 110 | Physiological effects of toxic elements on a wild nightjar species. *Environmental Pollution*, **2020**, 263, 114568 | 9.3 | 7 |
| 109 | Host dispersal shapes the population structure of a tick-borne bacterial pathogen. *Molecular Ecology*, **2020**, 29, 485-501 | 5.7 | 31 |
| 108 | Arsenic-related oxidative stress in experimentally-dosed wild great tit nestlings. *Environmental Pollution*, **2020**, 259, 113813 | 9.3 | 14 |
| 107 | Weather effects on breeding parameters of two insectivorous passerines in a polluted area. *Science of the Total Environment*, **2020**, 729, 138913 | 10.2 | 4 |
| 106 | Interaction of climate change with effects of conspecific and heterospecific density on reproduction. *Oikos*, **2020**, 129, 1807-1819 | 4 | 0 |
| 105 | Bird Feces as Indicators of Metal Pollution: Pitfalls and Solutions. *Toxics*, **2020**, 8, | 4.7 | 4 |

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| 104 | 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 | 7.9 | 10 |
| 103 | Transgenerational endocrine disruption: Does elemental pollution affect egg or nestling thyroid hormone levels in a wild songbird?. *Environmental Pollution*, **2019**, 247, 725-735 | 9.3 | 9 |
| 102 | Adaptive responses of animals to climate change are most likely insufficient. *Nature Communications*, **2019**, 10, 3109 | 17.4 | 141 |
| 101 | Metal and metalloid exposure and oxidative status in free-living individuals of Myotis daubentonii. *Ecotoxicology and Environmental Safety*, **2019**, 169, 93-102 | 7 | 9 |
| 100 | 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 | 11.4 | 40 |
| 99 | Polluted environment does not speed up age-related change in reproductive performance of the Pied Flycatcher. *Journal of Ornithology*, **2018**, 159, 173-182 | 1.5 | 2 |
| 98 | 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 | 8.4 | 10 |
| 97 | Effects of interspecific coexistence on laying date and clutch size in two closely related species of hole-nesting birds. *Journal of Animal Ecology*, **2018**, 87, 1738-1748 | 4.7 | 6 |
| 96 | 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 | 9.3 | 17 |
| 95 | Vitamin profiles in two free-living passerine birds under a metal pollution gradient - A calcium supplementation experiment. *Ecotoxicology and Environmental Safety*, **2017**, 138, 242-252 | 7 | 11 |
| 94 | Spatio-temporal variation in the body condition of female pied flycatcher (Ficedula hypoleuca) in a polluted environment. *Urban Ecosystems*, **2017**, 20, 1035-1043 | 2.8 | 5 |
| 93 | 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 | 15 |
| 92 | Oxidative status in relation to metal pollution and calcium availability in pied flycatcher nestlings - A calcium manipulation experiment. *Environmental Pollution*, **2017**, 229, 448-458 | 9.3 | 14 |
| 91 | Telomere damage and redox status alterations in free-living passerines exposed to metals. *Science of the Total Environment*, **2017**, 575, 841-848 | 10.2 | 39 |
| 90 | Evolutionary signals of selection on cognition from the great tit genome and methylome. *Nature Communications*, **2016**, 7, 10474 | 17.4 | 125 |
| 89 | 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 | 8.4 | 17 |
| 88 | 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, 9809-21 | 5.1 | 17 |
| 87 | Low but contrasting neutral genetic differentiation shaped by winter temperature in European great tits. *Biological Journal of the Linnean Society*, **2016**, 118, 668-685 | 1.9 | 13 |

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| 86 | Effects of dietary lead exposure on vitamin levels in great tit nestlings - An experimental manipulation. *Environmental Pollution*, **2016**, 213, 688-697 | 9.3 | 18 |
| 85 | Interspecific variation in the relationship between clutch size, laying date and intensity of urbanization in four species of hole-nesting birds. *Ecology and Evolution*, **2016**, 6, 5907-20 | 2.8 | 34 |
| 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, 2610-21 | 5.1 | 13 |
| 83 | Effects of early-life lead exposure on oxidative status and phagocytosis activity in great tits (Parus major). *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2015**, 167, 24-34 | 3.2 | 20 |
| 82 | Temporal trends in metal pollution: using bird excrement as indicator. *PLoS ONE*, **2015**, 10, e0117071 | 3.7 | 25 |
| 81 | 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 | 9.3 | 23 |
| 80 | Species and abundance of ectoparasitic flies (Diptera) in pied flycatcher nests in Fennoscandia. *Parasites and Vectors*, **2015**, 8, 648 | 4 | 9 |
| 79 | A review on exposure and effects of arsenic in passerine birds. *Science of the Total Environment*, **2015**, 512-513, 506-525 | 10.2 | 70 |
| 78 | Clutch-size variation in Western Palaearctic secondary hole-nesting passerine birds in relation to nest box design. *Methods in Ecology and Evolution*, **2014**, 5, 353-362 | 7.7 | 32 |
| 77 | Large-scale geographical variation in eggshell metal and calcium content in a passerine bird (Ficedula hypoleuca). *Environmental Science and Pollution Research*, **2014**, 21, 3304-17 | 5.1 | 22 |
| 76 | Experimental manipulation of dietary lead levels in great tit nestlings: limited effects on growth, physiology and survival. *Ecotoxicology*, **2014**, 23, 914-28 | 2.9 | 27 |
| 75 | Interspecific variation in redox status regulation and immune defence in five bat species: the role of ectoparasites. *Oecologia*, **2014**, 175, 811-23 | 2.9 | 18 |
| 74 | Antioxidant status in relation to age, condition, reproductive performance and pollution in three passerine species. *Journal of Avian Biology*, **2014**, 45, 235-246 | 1.9 | 13 |
| 73 | 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 | 2.3 | 8 |
| 72 | Variation in clutch size in relation to nest size in birds. *Ecology and Evolution*, **2014**, 4, 3583-95 | 2.8 | 38 |
| 71 | Density effect on great tit (Parus major) clutch size intensifies in a polluted environment. *Oecologia* , **2013**, 173, 1661-8 | 2.9 | 8 |
| 70 | Corticosterone secretion patterns prior to spring and autumn migration differ in free-living barn swallows (Hirundo rustica L.). *Oecologia*, **2013**, 173, 689-97 | 2.9 | 5 |
| 69 | Assessing heavy metal pollution using Great Tits (Parus major): feathers and excrements from nestlings and adults. *Environmental Monitoring and Assessment*, **2013**, 185, 5339-44 | 3.1 | 37 |

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| 68 | Variation in eggshell traits between geographically distant populations of pied flycatchers Ficedula hypoleuca. *Journal of Avian Biology*, **2013**, 44, 111-120 | 1.9 | 16 |
| 67 | Oxidative status in nestlings of three small passerine species exposed to metal pollution. *Science of the Total Environment*, **2013**, 454-455, 466-73 | 10.2 | 35 |
| 66 | Variation in prevalence and intensity of two avian ectoparasites in a polluted area. *Parasitology*, **2013**, 140, 1384-93 | 2.7 | 14 |
| 65 | Assessing the effects of climate on host-parasite interactions: a comparative study of European birds and their parasites. *PLoS ONE*, **2013**, 8, e82886 | 3.7 | 30 |
| 64 | 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, 926-36 | 4.7 | 86 |
| 63 | Selection on laying date is connected to breeding density in the pied flycatcher. *Oecologia*, **2012**, 168, 703-10 | 2.9 | 15 |
| 62 | Pollution impacts on bird population density and species diversity at four non-ferrous smelter sites. *Biological Conservation*, **2012**, 150, 33-41 | 6.2 | 33 |
| 61 | 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 | 3.2 | 14 |
| 60 | Decreased metal accumulation in passerines as a result of reduced emissions. *Environmental Toxicology and Chemistry*, **2012**, 31, 1317-23 | 3.8 | 30 |
| 59 | Plasma carotenoid levels are not directly related to heavy metal exposure or reproductive success in three insectivorous passerines. *Environmental Toxicology and Chemistry*, **2012**, 31, 1363-9 | 3.8 | 15 |
| 58 | Breeding time trends of the Crested Tit (Lophophanes cristatus) in southern Finland: comparison of data sources. *Journal of Ornithology*, **2012**, 153, 653-661 | 1.5 | 5 |
| 57 | Seasonal variation in the regulation of redox state and some biotransformation enzyme activities in the barn swallow (Hirundo rustica L.). *Physiological and Biochemical Zoology*, **2012**, 85, 148-58 | 2 | 26 |
| 56 | Variation of basal EROD activities in ten passerine bird species--relationships with diet and migration status. *PLoS ONE*, **2012**, 7, e33926 | 3.7 | 23 |
| 55 | Metal pollution does not bias offspring sex ratio in great tit (Parus major). *Environmental Science and Pollution Research*, **2011**, 19, 2870-8 | 5.1 | 1 |
| 54 | Metal pollution indirectly increases oxidative stress in great tit (Parus major) nestlings. *Environmental Research*, **2011**, 111, 362-70 | 7.9 | 69 |
| 53 | Species- and age-related variation in metal exposure and accumulation of two passerine bird species. *Environmental Pollution*, **2011**, 159, 2368-74 | 9.3 | 83 |
| 52 | Geographical trends in the yolk carotenoid composition of the pied flycatcher (Ficedula hypoleuca). *Oecologia*, **2011**, 165, 277-87 | 2.9 | 13 |
| 51 | Effects of air pollution from pulp and paper industry on breeding success of Great tit in maritime pine forests. *Ecoscience*, **2011**, 18, 115-123 | 1.1 | 5 |

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| 50 | Geographical variation in egg mass and egg content in a passerine bird. *PLoS ONE*, **2011**, 6, e25360 | 3.7 | 25 |
| 49 | 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 | 0.9 | 244 |
| 48 | Polluted environment and cold weather induce laying gaps in great tit and pied flycatcher. *Oecologia*, **2010**, 162, 533-9 | 2.9 | 12 |
| 47 | Body condition is associated with adrenocortical response in the barn swallow (Hirundo rustica L.) during early stages of autumn migration. *Oecologia*, **2010**, 163, 323-32 | 2.9 | 11 |
| 46 | Carotenoid composition of invertebrates consumed by two insectivorous bird species. *Journal of Chemical Ecology*, **2010**, 36, 608-13 | 2.7 | 59 |
| 45 | The use of blue tit eggs as a biomonitoring tool for organohalogenated pollutants in the European environment. *Science of the Total Environment*, **2010**, 408, 1451-7 | 10.2 | 31 |
| 44 | Fluctuating asymmetry in great tit nestlings in relation to diet quality, calcium availability and pollution exposure. *Science of the Total Environment*, **2010**, 408, 3303-9 | 10.2 | 19 |
| 43 | Pollution diminishes intra-specific aggressiveness between wood ant colonies. *Science of the Total Environment*, **2010**, 408, 3189-92 | 10.2 | 26 |
| 42 | Effects of pollution on land snail abundance, size and diversity as resources for pied flycatcher, Ficedula hypoleuca. *Science of the Total Environment*, **2010**, 408, 4165-9 | 10.2 | 23 |
| 41 | Metal-related oxidative stress in birds. *Environmental Pollution*, **2010**, 158, 2359-70 | 9.3 | 170 |
| 40 | Leg deformities of oribatid mites as an indicator of environmental pollution. *Science of the Total Environment*, **2009**, 407, 4771-6 | 10.2 | 13 |
| 39 | Great tits lay increasingly smaller clutches than selected for: a study of climate- and density-related changes in reproductive traits. *Journal of Animal Ecology*, **2009**, 78, 1298-306 | 4.7 | 25 |
| 38 | 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 | 1.9 | 52 |
| 37 | Brominated flame retardants and organochlorines in the European environment using great tit eggs as a biomonitoring tool. *Environment International*, **2009**, 35, 310-7 | 12.9 | 60 |
| 36 | Local survival of pied flycatcher males and females in a pollution gradient of a Cu smelter. *Environmental Pollution*, **2009**, 157, 1857-61 | 9.3 | 16 |
| 35 | Breeding performance of blue tits (Cyanistes caeruleus) and great tits (Parus major) in a heavy metal polluted area. *Environmental Pollution*, **2009**, 157, 3126-31 | 9.3 | 79 |
| 34 | Breeding success and lutein availability in great tit (Parus major). *Acta Oecologica*, **2009**, 35, 805-810 | 1.7 | 16 |
| 33 | Carotenoids in a food chain along a pollution gradient. *Science of the Total Environment*, **2008**, 406, 247-55 | 10.2 | 17 |

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| 32 | Environmental pollution affects the plumage color of Great tit nestlings through carotenoid availability. *EcoHealth*, **2008**, 5, 328-37 | 3.1 | 34 |
| 31 | The effects of sex, age and breeding success on breeding dispersal of pied flycatchers along a pollution gradient. *Oecologia*, **2008**, 157, 231-8 | 2.9 | 14 |
| 30 | Climate change can alter competitive relationships between resident and migratory birds. *Journal of Animal Ecology*, **2007**, 76, 1045-52 | 4.7 | 91 |
| 29 | Heavy metal pollution disturbs immune response in wild ant populations. *Environmental Pollution*, **2007**, 145, 324-8 | 9.3 | 90 |
| 28 | Climate change, migratory connctivity and changes in laying date and clutch size of the pied flycatcher. *Oikos*, **2006**, 114, 277-290 | 4 | 65 |
| 27 | Environmental pollution has sex-dependent effects on local survival. *Biology Letters*, **2006**, 2, 298-300 | 3.6 | 17 |
| 26 | Environmental pollution affects genetic diversity in wild bird populations. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2006**, 608, 8-15 | 3 | 47 |
| 25 | Pollution related effects on immune function and stress in a free-living population of pied flycatcher Ficedula hypoleuca. *Journal of Avian Biology*, **2005**, 36, 405-412 | 1.9 | 52 |
| 24 | Pollution-related changes in diets of two insectivorous passerines. *Oecologia*, **2005**, 145, 629-39 | 2.9 | 92 |
| 23 | Large-scale geographical variation confirms that climate change causes birds to lay earlier. *Proceedings of the Royal Society B: Biological Sciences*, **2004**, 271, 1657-62 | 4.4 | 308 |
| 22 | Variation in climate warming along the migration route uncouples arrival and breeding dates. *Global Change Biology*, **2004**, 10, 1610-1617 | 11.4 | 164 |
| 21 | Rich calcium availability diminishes heavy metal toxicity in Pied Flycatcher. *Functional Ecology*, **2004**, 18, 548-553 | 5.6 | 56 |
| 20 | Effects of heavy metal pollution on red wood ant (Formica s. str.) populations. *Environmental Pollution*, **2004**, 132, 533-9 | 9.3 | 73 |
| 19 | POLLUTION-INDUCED NUTRITIONAL STRESS IN BIRDS: AN EXPERIMENTAL STUDY OF DIRECT AND INDIRECT EFFECTS **2003**, 13, 1242-1249 | | 44 |
| 18 | Different responses to cold weather in two pied flycatcher populations. *Ecography*, **2002**, 25, 705-713 | 6.5 | 38 |
| 17 | Biomarkers and fluctuating asymmetry as indicators of pollution-induced stress in two hole-nesting passerines. *Functional Ecology*, **2000**, 14, 235-243 | 5.6 | 99 |
| 16 | Recovery of breeding success in wild birds. *Nature*, **2000**, 403, 851-2 | 50.4 | 87 |
| 15 | Empty nests in the great tit (Parus major) and the pied flycatcher (Ficedula hypoleuca) in a polluted area. *Environmental Pollution*, **2000**, 109, 303-9 | 9.3 | 11 |

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| 14 | Timing of breeding in subarctic passerines in relation to food availability. *Canadian Journal of Zoology*, **2000**, 78, 67-78 | 1.5 | 56 |
| 13 | Developmental changes in 7-ethoxyresorufin-O-deethylase (EROD) and delta-aminolevulinic acid dehydratase (ALA-D) activities in three passerines. *Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology*, **1999**, 124, 197-202 | | 5 |
| 12 | Dependence of Postjuvenile Moult on Hatching Date, Condition and Sex in the Great Tit. *Journal of Avian Biology*, **1999**, 30, 437 | 1.9 | 52 |
| 11 | Air pollution fades the plumage of the Great Tit. *Functional Ecology*, **1998**, 12, 607-612 | 5.6 | 104 |
| 10 | Local survival rates of the pied flycatchers (Ficedula hypoleuca) and the great tits (Parus major) in an air pollution gradient. *Ecoscience*, **1998**, 5, 46-50 | 1.1 | 11 |
| 9 | POLLUTION-RELATED VARIATION IN FOOD SUPPLY AND BREEDING SUCCESS IN TWO HOLE-NESTING PASSERINES. *Ecology*, **1997**, 78, 1120-1131 | 4.6 | 79 |
| 8 | 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 | 2.9 | 131 |
| 7 | The breeding biology of the Redstart Phoenicurus phoenicurus in a marginal area of Finland. *Bird Study*, **1996**, 43, 351-355 | 0.7 | 7 |
| 6 | 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 | 2.9 | 111 |
| 5 | Seasonal occurrence of arthropods as a source of food for birds in Finnish Lapland. *Entomologica Fennica*, **1995**, 6, 177-181 | 1 | 6 |
| 4 | Effects of ectoparasites on breeding success of great tits (Parus major) and pied flycatchers (Ficedula hypoleuca) in an air pollution gradient. *Canadian Journal of Zoology*, **1994**, 72, 624-635 | 1.5 | 73 |
| 3 | Does arsenic contamination affect DNA methylation patterns in a wild bird population? An experimental approach | | 1 |
| 2 | The great tit HapMap project: a continental-scale analysis of genomic variation in a songbird | | 6 |
| 1 | The effect of experimental lead pollution on DNA methylation in a wild bird population | | 2 |