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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Large-scale geographical variation confirms that climate change causes birds to lay earlier. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 1657-62	4.4	308
120	The Design of Artificial Nestboxes for the Study of Secondary Hole-Nesting Birds: A Review of Methodological Inconsistencies and Potential Biases. <i>Acta Ornithologica</i> , 2010 , 45, 1-26	0.9	244
119	Metal-related oxidative stress in birds. <i>Environmental Pollution</i> , 2010 , 158, 2359-70	9.3	170
118	Variation in climate warming along the migration route uncouples arrival and breeding dates. <i>Global Change Biology</i> , 2004 , 10, 1610-1617	11.4	164
117	Adaptive responses of animals to climate change are most likely insufficient. <i>Nature Communications</i> , 2019 , 10, 3109	17.4	141
116	Growth and mortality of nestling great tits (<i>Parus major</i>) and pied flycatchers (<i>Ficedula hypoleuca</i>) in a heavy metal pollution gradient. <i>Oecologia</i> , 1996 , 108, 631-639	2.9	131
115	Evolutionary signals of selection on cognition from the great tit genome and methylome. <i>Nature Communications</i> , 2016 , 7, 10474	17.4	125
114	Egg shell quality, clutch size and hatching success of the great tit (<i>Parus major</i>) and the pied flycatcher (<i>Ficedula hypoleuca</i>) in an air pollution gradient. <i>Oecologia</i> , 1995 , 102, 312-323	2.9	111
113	Air pollution fades the plumage of the Great Tit. <i>Functional Ecology</i> , 1998 , 12, 607-612	5.6	104
112	Biomarkers and fluctuating asymmetry as indicators of pollution-induced stress in two hole-nesting passerines. <i>Functional Ecology</i> , 2000 , 14, 235-243	5.6	99
111	Pollution-related changes in diets of two insectivorous passerines. <i>Oecologia</i> , 2005 , 145, 629-39	2.9	92
110	Climate change can alter competitive relationships between resident and migratory birds. <i>Journal of Animal Ecology</i> , 2007 , 76, 1045-52	4.7	91
109	Heavy metal pollution disturbs immune response in wild ant populations. <i>Environmental Pollution</i> , 2007 , 145, 324-8	9.3	90
108	Recovery of breeding success in wild birds. <i>Nature</i> , 2000 , 403, 851-2	50.4	87
107	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, 926-36	4.7	86
106	Species- and age-related variation in metal exposure and accumulation of two passerine bird species. <i>Environmental Pollution</i> , 2011 , 159, 2368-74	9.3	83
105	Breeding performance of blue tits (<i>Cyanistes caeruleus</i>) and great tits (<i>Parus major</i>) in a heavy metal polluted area. <i>Environmental Pollution</i> , 2009 , 157, 3126-31	9.3	79

104	POLLUTION-RELATED VARIATION IN FOOD SUPPLY AND BREEDING SUCCESS IN TWO HOLE-NESTING PASSERINES. <i>Ecology</i> , 1997 , 78, 1120-1131	4.6	79
103	Effects of heavy metal pollution on red wood ant (<i>Formica</i> s. str.) populations. <i>Environmental Pollution</i> , 2004 , 132, 533-9	9.3	73
102	Effects of ectoparasites on breeding success of great tits (<i>Parus major</i>) and pied flycatchers (<i>Ficedula hypoleuca</i>) in an air pollution gradient. <i>Canadian Journal of Zoology</i> , 1994 , 72, 624-635	1.5	73
101	A review on exposure and effects of arsenic in passerine birds. <i>Science of the Total Environment</i> , 2015 , 512-513, 506-525	10.2	70
100	Metal pollution indirectly increases oxidative stress in great tit (<i>Parus major</i>) nestlings. <i>Environmental Research</i> , 2011 , 111, 362-70	7.9	69
99	Climate change, migratory connectivity and changes in laying date and clutch size of the pied flycatcher. <i>Oikos</i> , 2006 , 114, 277-290	4	65
98	Brominated flame retardants and organochlorines in the European environment using great tit eggs as a biomonitoring tool. <i>Environment International</i> , 2009 , 35, 310-7	12.9	60
97	Carotenoid composition of invertebrates consumed by two insectivorous bird species. <i>Journal of Chemical Ecology</i> , 2010 , 36, 608-13	2.7	59
96	Rich calcium availability diminishes heavy metal toxicity in Pied Flycatcher. <i>Functional Ecology</i> , 2004 , 18, 548-553	5.6	56
95	Timing of breeding in subarctic passerines in relation to food availability. <i>Canadian Journal of Zoology</i> , 2000 , 78, 67-78	1.5	56
94	The effects of diet quality and quantity on plumage colour and growth of great tit <i>Parus major</i> nestlings: a food manipulation experiment along a pollution gradient. <i>Journal of Avian Biology</i> , 2009 , 40, 491-499	1.9	52
93	Pollution related effects on immune function and stress in a free-living population of pied flycatcher <i>Ficedula hypoleuca</i> . <i>Journal of Avian Biology</i> , 2005 , 36, 405-412	1.9	52
92	Dependence of Postjuvenile Molt on Hatching Date, Condition and Sex in the Great Tit. <i>Journal of Avian Biology</i> , 1999 , 30, 437	1.9	52
91	Environmental pollution affects genetic diversity in wild bird populations. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006 , 608, 8-15	3	47
90	POLLUTION-INDUCED NUTRITIONAL STRESS IN BIRDS: AN EXPERIMENTAL STUDY OF DIRECT AND INDIRECT EFFECTS 2003 , 13, 1242-1249		44
89	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	11.4	40
88	Telomere damage and redox status alterations in free-living passerines exposed to metals. <i>Science of the Total Environment</i> , 2017 , 575, 841-848	10.2	39
87	Variation in clutch size in relation to nest size in birds. <i>Ecology and Evolution</i> , 2014 , 4, 3583-95	2.8	38

86	Different responses to cold weather in two pied flycatcher populations. <i>Ecography</i> , 2002 , 25, 705-713	6.5	38
85	Assessing heavy metal pollution using Great Tits (<i>Parus major</i>): feathers and excrements from nestlings and adults. <i>Environmental Monitoring and Assessment</i> , 2013 , 185, 5339-44	3.1	37
84	Oxidative status in nestlings of three small passerine species exposed to metal pollution. <i>Science of the Total Environment</i> , 2013 , 454-455, 466-73	10.2	35
83	Environmental pollution affects the plumage color of Great tit nestlings through carotenoid availability. <i>EcoHealth</i> , 2008 , 5, 328-37	3.1	34
82	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, 5907-20	2.8	34
81	Pollution impacts on bird population density and species diversity at four non-ferrous smelter sites. <i>Biological Conservation</i> , 2012 , 150, 33-41	6.2	33
80	Clutch-size variation in Western Palaearctic secondary hole-nesting passerine birds in relation to nest box design. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 353-362	7.7	32
79	The use of blue tit eggs as a biomonitoring tool for organohalogenated pollutants in the European environment. <i>Science of the Total Environment</i> , 2010 , 408, 1451-7	10.2	31
78	Host dispersal shapes the population structure of a tick-borne bacterial pathogen. <i>Molecular Ecology</i> , 2020 , 29, 485-501	5.7	31
77	Decreased metal accumulation in passerines as a result of reduced emissions. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1317-23	3.8	30
76	Assessing the effects of climate on host-parasite interactions: a comparative study of European birds and their parasites. <i>PLoS ONE</i> , 2013 , 8, e82886	3.7	30
75	Experimental manipulation of dietary lead levels in great tit nestlings: limited effects on growth, physiology and survival. <i>Ecotoxicology</i> , 2014 , 23, 914-28	2.9	27
74	Seasonal variation in the regulation of redox state and some biotransformation enzyme activities in the barn swallow (<i>Hirundo rustica</i> L.). <i>Physiological and Biochemical Zoology</i> , 2012 , 85, 148-58	2	26
73	Pollution diminishes intra-specific aggressiveness between wood ant colonies. <i>Science of the Total Environment</i> , 2010 , 408, 3189-92	10.2	26
72	Temporal trends in metal pollution: using bird excrement as indicator. <i>PLoS ONE</i> , 2015 , 10, e0117071	3.7	25
71	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, 1298-306	4.7	25
70	Geographical variation in egg mass and egg content in a passerine bird. <i>PLoS ONE</i> , 2011 , 6, e25360	3.7	25
69	Long-term recovery of clutch size and egg shell quality of the pied flycatcher (<i>Ficedula hypoleuca</i>) in a metal polluted area. <i>Environmental Pollution</i> , 2015 , 201, 26-33	9.3	23

68	Effects of pollution on land snail abundance, size and diversity as resources for pied flycatcher, <i>Ficedula hypoleuca</i> . <i>Science of the Total Environment</i> , 2010 , 408, 4165-9	10.2	23
67	Variation of basal EROD activities in ten passerine bird species--relationships with diet and migration status. <i>PLoS ONE</i> , 2012 , 7, e33926	3.7	23
66	Large-scale geographical variation in eggshell metal and calcium content in a passerine bird (<i>Ficedula hypoleuca</i>). <i>Environmental Science and Pollution Research</i> , 2014 , 21, 3304-17	5.1	22
65	Effects of early-life lead exposure on oxidative status and phagocytosis activity in great tits (<i>Parus major</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015 , 167, 24-34	3.2	20
64	Fluctuating asymmetry in great tit nestlings in relation to diet quality, calcium availability and pollution exposure. <i>Science of the Total Environment</i> , 2010 , 408, 3303-9	10.2	19
63	Interspecific variation in redox status regulation and immune defence in five bat species: the role of ectoparasites. <i>Oecologia</i> , 2014 , 175, 811-23	2.9	18
62	Effects of dietary lead exposure on vitamin levels in great tit nestlings - An experimental manipulation. <i>Environmental Pollution</i> , 2016 , 213, 688-697	9.3	18
61	Effects of experimental calcium availability and anthropogenic metal pollution on eggshell characteristics and yolk carotenoid and vitamin levels in two passerine birds. <i>Chemosphere</i> , 2016 , 151, 189-201	8.4	17
60	Effects of calcium supplementation on growth and biochemistry in two passerine species breeding in a Ca-poor and metal-polluted area. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 9809-21	5.1	17
59	Carotenoids in a food chain along a pollution gradient. <i>Science of the Total Environment</i> , 2008 , 406, 247-55	10.2	17
58	Environmental pollution has sex-dependent effects on local survival. <i>Biology Letters</i> , 2006 , 2, 298-300	3.6	17
57	Experimental manipulation of dietary arsenic levels in great tit nestlings: Accumulation pattern and effects on growth, survival and plasma biochemistry. <i>Environmental Pollution</i> , 2018 , 233, 764-773	9.3	17
56	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	1.9	16
55	Local survival of pied flycatcher males and females in a pollution gradient of a Cu smelter. <i>Environmental Pollution</i> , 2009 , 157, 1857-61	9.3	16
54	Breeding success and lutein availability in great tit (<i>Parus major</i>). <i>Acta Oecologica</i> , 2009 , 35, 805-810	1.7	16
53	Juvenile Barn Swallows <i>Hirundo rustica</i> L. from late broods start autumn migration younger, fuel less effectively and show lower return rates than juveniles from early broods. <i>Ibis</i> , 2017 , 159, 892-901	1.9	15
52	Selection on laying date is connected to breeding density in the pied flycatcher. <i>Oecologia</i> , 2012 , 168, 703-10	2.9	15
51	Plasma carotenoid levels are not directly related to heavy metal exposure or reproductive success in three insectivorous passerines. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1363-9	3.8	15

50	Oxidative status in relation to metal pollution and calcium availability in pied flycatcher nestlings - A calcium manipulation experiment. <i>Environmental Pollution</i> , 2017 , 229, 448-458	9.3	14
49	Trace elements in faeces of great tit nestlings in relation to breeding performance in coastal areas in central Portugal. <i>Archives of Environmental Contamination and Toxicology</i> , 2012 , 63, 594-600	3.2	14
48	Variation in prevalence and intensity of two avian ectoparasites in a polluted area. <i>Parasitology</i> , 2013 , 140, 1384-93	2.7	14
47	The effects of sex, age and breeding success on breeding dispersal of pied flycatchers along a pollution gradient. <i>Oecologia</i> , 2008 , 157, 231-8	2.9	14
46	Arsenic-related oxidative stress in experimentally-dosed wild great tit nestlings. <i>Environmental Pollution</i> , 2020 , 259, 113813	9.3	14
45	No delayed behavioral and phenotypic responses to experimental early-life lead exposure in great tits (<i>Parus major</i>). <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2610-21	5.1	13
44	Antioxidant status in relation to age, condition, reproductive performance and pollution in three passerine species. <i>Journal of Avian Biology</i> , 2014 , 45, 235-246	1.9	13
43	Geographical trends in the yolk carotenoid composition of the pied flycatcher (<i>Ficedula hypoleuca</i>). <i>Oecologia</i> , 2011 , 165, 277-87	2.9	13
42	Leg deformities of oribatid mites as an indicator of environmental pollution. <i>Science of the Total Environment</i> , 2009 , 407, 4771-6	10.2	13
41	Low but contrasting neutral genetic differentiation shaped by winter temperature in European great tits. <i>Biological Journal of the Linnean Society</i> , 2016 , 118, 668-685	1.9	13
40	Polluted environment and cold weather induce laying gaps in great tit and pied flycatcher. <i>Oecologia</i> , 2010 , 162, 533-9	2.9	12
39	Vitamin profiles in two free-living passerine birds under a metal pollution gradient - A calcium supplementation experiment. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 138, 242-252	7	11
38	Body condition is associated with adrenocortical response in the barn swallow (<i>Hirundo rustica</i> L.) during early stages of autumn migration. <i>Oecologia</i> , 2010 , 163, 323-32	2.9	11
37	Empty nests in the great tit (<i>Parus major</i>) and the pied flycatcher (<i>Ficedula hypoleuca</i>) in a polluted area. <i>Environmental Pollution</i> , 2000 , 109, 303-9	9.3	11
36	Local survival rates of the pied flycatchers (<i>Ficedula hypoleuca</i>) and the great tits (<i>Parus major</i>) in an air pollution gradient. <i>Ecoscience</i> , 1998 , 5, 46-50	1.1	11
35	Effects of calcium supplementation on oxidative status and oxidative damage in great tit nestlings inhabiting a metal-polluted area. <i>Environmental Research</i> , 2019 , 171, 484-492	7.9	10
34	Leaves, berries and herbivorous larvae of bilberry <i>Vaccinium myrtillus</i> as sources of metals in food chains at a Cu-Ni smelter site. <i>Chemosphere</i> , 2018 , 210, 859-866	8.4	10
33	Transgenerational endocrine disruption: Does elemental pollution affect egg or nestling thyroid hormone levels in a wild songbird?. <i>Environmental Pollution</i> , 2019 , 247, 725-735	9.3	9

32	Species and abundance of ectoparasitic flies (Diptera) in pied flycatcher nests in Fennoscandia. <i>Parasites and Vectors</i> , 2015 , 8, 648	4	9
31	Connecting the data landscape of long-term ecological studies: The SPI-Birds data hub. <i>Journal of Animal Ecology</i> , 2021 , 90, 2147-2160	4.7	9
30	Metal and metalloid exposure and oxidative status in free-living individuals of <i>Myotis daubentonii</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019 , 169, 93-102	7	9
29	Density effect on great tit (<i>Parus major</i>) clutch size intensifies in a polluted environment. <i>Oecologia</i> , 2013 , 173, 1661-8	2.9	8
28	Great tits breeding performance and mercury contamination from the paper and pulp industry in the west coast of Portugal. <i>Chemistry and Ecology</i> , 2014 , 30, 206-215	2.3	8
27	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	4.1	7
26	Physiological effects of toxic elements on a wild nightjar species. <i>Environmental Pollution</i> , 2020 , 263, 114568	9.3	7
25	The breeding biology of the Redstart <i>Phoenicurus phoenicurus</i> in a marginal area of Finland. <i>Bird Study</i> , 1996 , 43, 351-355	0.7	7
24	Effects of interspecific coexistence on laying date and clutch size in two closely related species of hole-nesting birds. <i>Journal of Animal Ecology</i> , 2018 , 87, 1738-1748	4.7	6
23	Seasonal occurrence of arthropods as a source of food for birds in Finnish Lapland. <i>Entomologica Fennica</i> , 1995 , 6, 177-181	1	6
22	The great tit HapMap project: a continental-scale analysis of genomic variation in a songbird		6
21	Spatio-temporal variation in the body condition of female pied flycatcher (<i>Ficedula hypoleuca</i>) in a polluted environment. <i>Urban Ecosystems</i> , 2017 , 20, 1035-1043	2.8	5
20	Corticosterone secretion patterns prior to spring and autumn migration differ in free-living barn swallows (<i>Hirundo rustica</i> L.). <i>Oecologia</i> , 2013 , 173, 689-97	2.9	5
19	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	1.5	5
18	Effects of air pollution from pulp and paper industry on breeding success of Great tit in maritime pine forests. <i>Ecoscience</i> , 2011 , 18, 115-123	1.1	5
17	Developmental changes in 7-ethoxyresorufin-O-deethylase (EROD) and delta-aminolevulinic acid dehydratase (ALA-D) activities in three passerines. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1999 , 124, 197-202		5
16	Toxic elements in blood of red-necked nightjars (<i>Caprimulgus ruficollis</i>) inhabiting differently polluted environments. <i>Environmental Pollution</i> , 2020 , 262, 114334	9.3	4
15	Weather effects on breeding parameters of two insectivorous passerines in a polluted area. <i>Science of the Total Environment</i> , 2020 , 729, 138913	10.2	4

14	Bird Feces as Indicators of Metal Pollution: Pitfalls and Solutions. <i>Toxics</i> , 2020 , 8,	4.7	4
13	Blood concentrations of 50 elements in Eagle owl (<i>Bubo bubo</i>) at different contamination scenarios and related effects on plasma vitamin levels. <i>Environmental Pollution</i> , 2020 , 265, 115012	9.3	3
12	Female oxidative status in relation to calcium availability, metal pollution and offspring development in a wild passerine. <i>Environmental Pollution</i> , 2020 , 260, 113921	9.3	3
11	Winter activity of boreal bats. <i>Mammalian Biology</i> , 2021 , 101, 609-618	1.6	3
10	Polluted environment does not speed up age-related change in reproductive performance of the Pied Flycatcher. <i>Journal of Ornithology</i> , 2018 , 159, 173-182	1.5	2
9	The effect of experimental lead pollution on DNA methylation in a wild bird population		2
8	Does Arsenic Contamination Affect DNA Methylation Patterns in a Wild Bird Population? An Experimental Approach. <i>Environmental Science & Technology</i> , 2021 , 55, 8947-8954	10.3	2
7	Metal pollution does not bias offspring sex ratio in great tit (<i>Parus major</i>). <i>Environmental Science and Pollution Research</i> , 2011 , 19, 2870-8	5.1	1
6	Does arsenic contamination affect DNA methylation patterns in a wild bird population? An experimental approach		1
5	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	2.9	1
4	Maternally-transferred thyroid hormones and life-history variation in birds.. <i>Journal of Animal Ecology</i> , 2022 ,	4.7	1
3	Interaction of climate change with effects of conspecific and heterospecific density on reproduction. <i>Oikos</i> , 2020 , 129, 1807-1819	4	0
2	The effect of experimental lead pollution on DNA methylation in a wild bird population. <i>Epigenetics</i> , 2021 , 1-17	5.7	0
1	Bird populations most exposed to climate change are less sensitive to climatic variation.. <i>Nature Communications</i> , 2022 , 13, 2112	17.4	0