

Gergely Hegyi

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

1,657
citations

279798

23
h-index

315739

38
g-index

69
all docs

69
docs citations

69
times ranked

1580
citing authors

#	ARTICLE	IF	CITATIONS
1	Using information theory as a substitute for stepwise regression in ecology and behavior. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 69-76.	1.4	132
2	Changing philosophies and tools for statistical inferences in behavioral ecology. <i>Behavioral Ecology</i> , 2009, 20, 1363-1375.	2.2	115
3	Depigmented wing patch size is a condition-dependent indicator of viability in male collared flycatchers. <i>Behavioral Ecology</i> , 2003, 14, 382-388.	2.2	105
4	Determinants of male territorial behavior in a Hungarian collared flycatcher population: plumage traits of residents and challengers. <i>Behavioral Ecology and Sociobiology</i> , 2006, 60, 663-671.	1.4	72
5	Qualitative population divergence in proximate determination of a sexually selected trait in the collared flycatcher. <i>Journal of Evolutionary Biology</i> , 2002, 15, 710-719.	1.7	62
6	Melanin, carotenoid and structural plumage ornaments: information content and role in great tits (<i>Parus major</i>). <i>Journal of Avian Biology</i> , 2007, 38, 698-708.	1.2	59
7	Unpredictable food supply modifies costs of reproduction and hampers individual optimization. <i>Oecologia</i> , 2004, 141, 432-443.	2.0	52
8	Carotenoids in the egg yolks of collared flycatchers (<i>Ficedula albicollis</i>) in relation to parental quality, environmental factors and laying order. <i>Behavioral Ecology and Sociobiology</i> , 2007, 61, 541-550.	1.4	52
9	Rapid temporal change in the expression and age-related information content of a sexually selected trait. <i>Journal of Evolutionary Biology</i> , 2006, 19, 228-238.	1.7	50
10	Antioxidants in the egg yolk of a wild passerine: Differences between breeding seasons. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 143, 145-152.	1.6	49
11	Female ornamentation and territorial conflicts in collared flycatchers (<i>Ficedula albicollis</i>). <i>Die Naturwissenschaften</i> , 2008, 95, 993-996.	1.6	47
12	EFFECTS OF ENVIRONMENTAL CONDITIONS AND PARENTAL QUALITY ON INTER- AND INTRA-CLUTCH EGG-SIZE VARIATION IN THE COLLARED FLYCATCHER (<i>FICEDULA ALBICOLLIS</i>). <i>Auk</i> , 2005, 122, 509.	1.4	46
13	Age-Dependent Expression of Song in the Collared Flycatcher, <i>Ficedula albicollis</i> . <i>Ethology</i> , 2007, 113, 246-256.	1.1	46
14	Effects of Environmental Conditions and Parental Quality on Inter- and Intraclutch Egg-Size Variation in the Collared Flycatcher (<i>Ficedula Albicollis</i>). <i>Auk</i> , 2005, 122, 509-522.	1.4	42
15	Mate Choice for Genetic Benefits: Time to Put the Pieces Together. <i>Ethology</i> , 2010, 116, 1-9.	1.1	42
16	Phenotypic plasticity in a conspicuous female plumage trait: information content and mating patterns. <i>Animal Behaviour</i> , 2008, 75, 977-989.	1.9	35
17	Yolk androstenedione, but not testosterone, predicts offspring fate and reflects parental quality. <i>Behavioral Ecology</i> , 2011, 22, 29-38.	2.2	33
18	Paternal age and offspring growth: separating the intrinsic quality of young from rearing effects. <i>Behavioral Ecology and Sociobiology</i> , 2006, 60, 672-682.	1.4	32

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19	The design of complex sexual traits in male barn swallows: associations between signal attributes. <i>Journal of Evolutionary Biology</i> , 2006, 19, 2052-2066.	1.7	30
20	Nutritional correlates and mate acquisition role of multiple sexual traits in male collared flycatchers. <i>Die Naturwissenschaften</i> , 2010, 97, 567-576.	1.6	30
21	Egg quality and parental ornamentation in the blue tit <i>Parus caeruleus</i> . <i>Journal of Avian Biology</i> , 2007, 38, 105-112.	1.2	29
22	Using Full Models, Stepwise Regression and Model Selection in Ecological Data Sets: Monte Carlo Simulations. <i>Annales Zoologici Fennici</i> , 2015, 52, 257-279.	0.6	27
23	Do different yolk androgens exert similar effects on the morphology or behaviour of Japanese quail hatchlings <i>Coturnix japonica</i> ? <i>Journal of Avian Biology</i> , 2010, 41, 258-265.	1.2	26
24	Connecting the data landscape of long-term ecological studies: The SPI-Birds data hub. <i>Journal of Animal Ecology</i> , 2021, 90, 2147-2160.	2.8	25
25	Stable correlation structure among multiple plumage colour traits: can they work as a single signal?. <i>Biological Journal of the Linnean Society</i> , 2015, 114, 92-108.	1.6	24
26	Darker eggshell spotting indicates lower yolk antioxidant level and poorer female quality in the Eurasian Great Tit (<i>Parus major</i>). <i>Auk</i> , 2016, 133, 131-146.	1.4	24
27	The roles of ecological factors and sexual selection in the evolution of white wing patches in ducks. <i>Behavioral Ecology</i> , 2008, 19, 1208-1216.	2.2	20
28	Developmental plasticity in a passerine bird: an experiment with collared flycatchers <i>Ficedula albicollis</i> . <i>Journal of Avian Biology</i> , 2007, 38, 327-334.	1.2	19
29	Integration of Spectral Reflectance across the Plumage: Implications for Mating Patterns. <i>PLoS ONE</i> , 2011, 6, e23201.	2.5	18
30	A role for female ornamentation in the facultatively polygynous mating system of collared flycatchers. <i>Behavioral Ecology</i> , 2007, 18, 1116-1122.	2.2	17
31	Phenotypic correlates of digit ratio in a wild bird: implications for the study of maternal effects. <i>Animal Behaviour</i> , 2007, 74, 641-647.	1.9	15
32	Integrated plumage colour variation in relation to body condition, reproductive investment and laying date in the collared flycatcher. <i>Die Naturwissenschaften</i> , 2013, 100, 983-991.	1.6	14
33	Mutual ornamentation and the parental behaviour of male and female Collared Flycatchers <i>Ficedula albicollis</i> during incubation. <i>Ibis</i> , 2016, 158, 796-807.	1.9	14
34	Haemoproteus infection status of collared flycatcher males changes within a breeding season. <i>Parasitology Research</i> , 2016, 115, 4663-4672.	1.6	14
35	Side-specific effect of yolk testosterone elevation on second-to-fourth digit ratio in a wild passerine. <i>Die Naturwissenschaften</i> , 2016, 103, 4.	1.6	14
36	Unravelling the relationships between life history, behaviour and condition under the pace-of-life syndromes hypothesis using long-term data from a wild bird. <i>Behavioral Ecology and Sociobiology</i> , 2018, 72, 1.	1.4	13

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37	Lifetime offspring production in relation to breeding lifespan, attractiveness, and mating status in male collared flycatchers. <i>Oecologia</i> , 2012, 170, 935-942.	2.0	12
38	Sequential organization of birdsong: relationships with individual quality and fitness. <i>Behavioral Ecology</i> , 2021, 32, 82-93.	2.2	12
39	Context-dependent effects of nestling growth trajectories on recruitment probability in the collared flycatcher. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 1647-1658.	1.4	11
40	Laying date and polygyny as determinants of annual reproductive success in male collared flycatchers (<i>Ficedula albicollis</i>): a long-term study. <i>Die Naturwissenschaften</i> , 2014, 101, 305-312.	1.6	11
41	Mutual plumage ornamentation and biparental care: consequences for success in different environments. <i>Behavioral Ecology</i> , 2017, 28, 1359-1368.	2.2	11
42	Direct benefits of mate choice: a meta-analysis of plumage colour and offspring feeding rates in birds. <i>Die Naturwissenschaften</i> , 2015, 102, 62.	1.6	10
43	Maternal effects and urbanization: Variation of yolk androgens and immunoglobulin in city and forest blackbirds. <i>Ecology and Evolution</i> , 2020, 10, 2213-2224.	1.9	10
44	Reduced compensatory growth capacity in mistimed broods of a migratory passerine. <i>Oecologia</i> , 2013, 172, 279-291.	2.0	9
45	Behavioural responses to handling stress in the Great Tit: within-individual consistency and the effect of age, sex and body condition. <i>Ornis Hungarica</i> , 2013, 21, 12-25.	0.4	9
46	Male territorial aggression and fitness in collared flycatchers: a long-term study. <i>Die Naturwissenschaften</i> , 2019, 106, 11.	1.6	9
47	Aggressive behavior of the male parent predicts brood sex ratio in a songbird. <i>Die Naturwissenschaften</i> , 2014, 101, 653-660.	1.6	8
48	The relationship between maternal ornamentation and feeding rate is explained by intrinsic nestling quality. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 185-192.	1.4	7
49	Rearing conditions have long-term sex-specific fitness consequences in the collared flycatcher. <i>Behavioral Ecology</i> , 2017, 28, 717-723.	2.2	7
50	Reflectance variation in the blue tit crown in relation to feather structure. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	7
51	Reflectance in relation to macro- and nanostructure in the crown feathers of the great tit (<i>Parus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	7
52	When to measure plumage reflectance: a lesson from Collared Flycatchers <i>Ficedula albicollis</i> . <i>Ibis</i> , 2019, 161, 27-34.	1.9	7
53	A behavioural trait displayed in an artificial novel environment correlates with dispersal in a wild bird. <i>Ethology</i> , 2020, 126, 540-552.	1.1	7
54	Breeding Experience and the Heritability of Female Mate Choice in Collared Flycatchers. <i>PLoS ONE</i> , 2010, 5, e13855.	2.5	7

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55	Winter body condition in relation to age, sex and plumage ornamentation in a migratory songbird. <i>Ibis</i> , 2012, 154, 410-413.	1.9	6
56	Ornaments and condition: plumage patch sizes, nutritional reserve state, reserve accumulation, and reserve depletion. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	5
57	Nest-site defence aggression during courtship does not predict nestling provisioning in male collared flycatchers. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	5
58	First Record of True Albinism in a Natural Population of Collared Flycatchers <i>Ficedula albicollis</i> . <i>Ardea</i> , 2020, 107, 340.	0.6	5
59	Teleconnections and local weather orchestrate the reproduction of tit species in the Carpathian Basin. <i>Journal of Avian Biology</i> , 2019, 50, .	1.2	4
60	Yellow plumage colour of Great Tits <i>Parus major</i> correlates with changing temperature and precipitation. <i>Ibis</i> , 2020, 162, 232-237.	1.9	4
61	The meaning of purely structural colour: white plumage reflectance indicates feather condition. <i>Ibis</i> , 2021, 163, 407-416.	1.9	4
62	Sources of variation in haematocrit in the Collared Flycatcher (<i>Ficedula albicollis</i>). <i>Ornis Hungarica</i> , 2012, 20, 64-72.	0.4	3
63	Digit ratio predicts the number of lifetime recruits in female collared flycatchers. <i>Biology Letters</i> , 2019, 15, 20190051.	2.3	3
64	Melanin-based ornament darkness positively correlates with across-season nutritional condition. <i>Ecology and Evolution</i> , 2020, 10, 13087-13094.	1.9	3
65	Individual differences in song plasticity in response to social stimuli and singing position. <i>Ecology and Evolution</i> , 2022, 12, e8883.	1.9	3
66	Prevalence of avian influenza and sexual selection in ducks. <i>Behavioral Ecology</i> , 2009, 20, 1289-1294.	2.2	2
67	Winter body condition in the Collared Flycatcher: Determinants and carryover effects on future breeding parameters. <i>Auk</i> , 2014, 131, 257-264.	1.4	2
68	Egg quality and parental ornamentation in the blue tit <i>Parus caeruleus</i> . <i>Journal of Avian Biology</i> , 2007, 38, 105-112.	1.2	2
69	Triparental care in the collared flycatcher (<i>Ficedula albicollis</i>): Cooperation of two females with a cuckolded male in rearing a brood. <i>Ecology and Evolution</i> , 2021, 11, 10754-10760.	1.9	1