

Ellen D Ketterson

List of Publications by Year in descending order

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112
papers

6,487
citations

71061

41
h-index

66879

78
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150
all docs

150
docs citations

150
times ranked

4008
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptation, Exaptation, and Constraint: A Hormonal Perspective. <i>American Naturalist</i> , 1999, 154, S4-S25.	1.0	542
2	Testosterone and Avian Life Histories: Effects of Experimentally Elevated Testosterone on Behavior and Correlates of Fitness in the Dark-Eyed Junco (<i>Junco hyemalis</i>). <i>American Naturalist</i> , 1992, 140, 980-999.	1.0	398
3	Boldness behavior and stress physiology in a novel urban environment suggest rapid correlated evolutionary adaptation. <i>Behavioral Ecology</i> , 2012, 23, 960-969.	1.0	285
4	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , 2020, 587, 252-257.	13.7	251
5	Maternally derived yolk testosterone enhances the development of the hatching muscle in the red-winged blackbird <i>Agelaius phoeniceus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 2005-2010.	1.2	228
6	Natural Variation in a Testosterone-Mediated Trade-Off between Mating Effort and Parental Effort. <i>American Naturalist</i> , 2007, 170, 864-875.	1.0	220
7	Steroid Hormones and Immune Function: Experimental Studies in Wild and Captive Dark-Eyed Juncos (<i>Junco hyemalis</i>). <i>American Naturalist</i> , 2001, 157, 408-420.	1.0	213
8	Hormone-mediated suites as adaptations and evolutionary constraints. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 1611-1620.	1.8	204
9	Phenotypic integration and independence: Hormones, performance, and response to environmental change. <i>Integrative and Comparative Biology</i> , 2009, 49, 365-379.	0.9	202
10	Testosterone affects reproductive success by influencing extra-pair fertilizations in male dark-eyed juncos (<i>Aves: Junco hyemalis</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 1599-1603.	1.2	166
11	Testosterone and mate choice in the dark-eyed junco. <i>Animal Behaviour</i> , 1997, 54, 1135-1146.	0.8	159
12	Consequences of elevating plasma testosterone in females of a socially monogamous songbird: evidence of constraints on male evolution?. <i>Hormones and Behavior</i> , 2004, 46, 171-178.	1.0	144
13	Paternal influence on growth and survival of dark-eyed junco young: do parental males benefit?. <i>Animal Behaviour</i> , 1988, 36, 1601-1618.	0.8	136
14	Seasonal and individual variation in response to GnRH challenge in male dark-eyed juncos (<i>Junco</i>)	0.8	134
15	Effects of testosterone on spatial activity in free-ranging male dark-eyed juncos, <i>Junco hyemalis</i> . <i>Animal Behaviour</i> , 1994, 47, 1445-1455.	0.8	130
16	Testosterone and Avian Life Histories: Effects of Experimentally Elevated Testosterone on Prebasic Molt and Survival in Male Dark-Eyed Juncos. <i>Condor</i> , 1992, 94, 364-370.	0.7	121
17	Phenotypic engineering: using hormones to explore the mechanistic and functional bases of phenotypic variation in nature. <i>Ibis</i> , 1996, 138, 70-86.	1.0	118
18	Behavioral and physiological responses to experimentally elevated testosterone in female dark-eyed juncos (<i>Junco hyemalis carolinensis</i>). <i>Hormones and Behavior</i> , 2006, 50, 200-207.	1.0	112

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19	The Effect of Exogenous Testosterone on Parental Behavior, Plasma Prolactin, and Prolactin Binding Sites in Dark-Eyed Juncos. <i>Hormones and Behavior</i> , 1998, 34, 1-10.	1.0	107
20	Exogenous Testosterone and the Adrenocortical Response in Dark-Eyed Juncos. <i>Auk</i> , 1999, 116, 64-72.	0.7	106
21	Natural Selection on Testosterone Production in a Wild Songbird Population. <i>American Naturalist</i> , 2010, 175, 687-701.	1.0	103
22	Songbird chemosignals: volatile compounds in preen gland secretions vary among individuals, sexes, and populations. <i>Behavioral Ecology</i> , 2010, 21, 608-614.	1.0	99
23	Competitive females are successful females; phenotype, mechanism, and selection in a common songbird. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 241-252.	0.6	97
24	Seasonal Variation in Volatile Compound Profiles of Preen Gland Secretions of the Dark-eyed Junco (<i>Junco hyemalis</i>). <i>Journal of Chemical Ecology</i> , 2006, 33, 183-198.	0.9	92
25	Intraspecific preen oil odor preferences in dark-eyed juncos (<i>Junco hyemalis</i>). <i>Behavioral Ecology</i> , 2011, 22, 1256-1263.	1.0	80
26	Testosterone response to GnRH in a female songbird varies with stage of reproduction: implications for adult behaviour and maternal effects. <i>Functional Ecology</i> , 2007, 21, 767-775.	1.7	79
27	Diet quality affects an attractive white plumage pattern in dark-eyed juncos (<i>Junco hyemalis</i>). <i>Behavioral Ecology and Sociobiology</i> , 2007, 61, 1391-1399.	0.6	79
28	Hormonal, Behavioral, and Life-History Traits Exhibit Correlated Shifts in Relation to Population Establishment in a Novel Environment. <i>American Naturalist</i> , 2014, 184, E147-E160.	1.0	73
29	Effects of Experimentally Elevated Testosterone on Plasma Corticosterone and Corticosteroid-Binding Globulin in Dark-Eyed Juncos (<i>Junco hyemalis</i>). <i>General and Comparative Endocrinology</i> , 1997, 108, 141-151.	0.8	69
30	A Study of Fasting in Tree Sparrows (<i>Spizella arborea</i>) and Dark-Eyed Juncos (<i>Junco hyemalis</i>): Ecological Implications. <i>Auk</i> , 1982, 99, 299-308.	0.7	63
31	Elevated testosterone reduces choosiness in female dark-eyed juncos (<i>Junco hyemalis</i>): evidence for a hormonal constraint on sexual selection?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1377-1384.	1.2	61
32	Bird odour predicts reproductive success. <i>Animal Behaviour</i> , 2013, 86, 697-703.	0.8	61
33	Experimentally-elevated testosterone, female parental care, and reproductive success in a songbird, the Dark-eyed Junco (<i>Junco hyemalis</i>). <i>Hormones and Behavior</i> , 2008, 54, 571-578.	1.0	56
34	Diet quality affects egg size and number but does not reduce maternal antibody transmission in Japanese quail <i>Coturnix japonica</i> . <i>Journal of Animal Ecology</i> , 2005, 74, 1051-1058.	1.3	54
35	Testosterone Affects Neural Gene Expression Differently in Male and Female Juncos: A Role for Hormones in Mediating Sexual Dimorphism and Conflict. <i>PLoS ONE</i> , 2013, 8, e61784.	1.1	52
36	Influence of experimentally elevated testosterone on nest defence in dark-eyed juncos. <i>Animal Behaviour</i> , 1998, 56, 617-621.	0.8	47

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37	Role of Testosterone in Stimulating Seasonal Changes in a Potential Avian Chemosignal. <i>Journal of Chemical Ecology</i> , 2011, 37, 1349-1357.	0.9	47
38	Differential gene expression in seasonal sympatry: mechanisms involved in diverging life histories. <i>Biology Letters</i> , 2016, 12, 20160069.	1.0	47
39	Examining sources of variation in HPG axis function among individuals and populations of the dark-eyed junco. <i>Hormones and Behavior</i> , 2014, 65, 179-187.	1.0	46
40	Experimental elevation of testosterone lowers fitness in female dark-eyed juncos. <i>Hormones and Behavior</i> , 2013, 63, 782-790.	1.0	45
41	Social Environment Has a Primary Influence on the Microbial and Odor Profiles of a Chemically Signaling Songbird. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	1.1	45
42	Song Frequency Does Not Reflect Differences in Body Size among Males in Two Oscine Species. <i>Ethology</i> , 2008, 114, 1084-1093.	0.5	44
43	Variation in candidate genes CLOCK and ADCYAP1 does not consistently predict differences in migratory behavior in the songbird genus Junco. <i>F1000Research</i> , 2013, 2, 115.	0.8	44
44	Reproductive Allochrony in Seasonally Sympatric Populations Maintained by Differential Response to Photoperiod: Implications for Population Divergence and Response to Climate Change. <i>American Naturalist</i> , 2016, 187, 436-446.	1.0	42
45	Female ornamentation and male mate choice in dark-eyed juncos. <i>Animal Behaviour</i> , 2004, 67, 93-102.	0.8	41
46	Differential gene regulation underlies variation in melanic plumage coloration in the dark-eyed junco (<i>Junco hyemalis</i>). <i>Molecular Ecology</i> , 2018, 27, 4501-4515.	2.0	41
47	Correlational selection leads to genetic integration of body size and an attractive plumage trait in dark-eyed juncos. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 658-71.	1.1	37
48	De novo transcriptome sequencing in a songbird, the dark-eyed junco (<i>Junco hyemalis</i>): genomic tools for an ecological model system. <i>BMC Genomics</i> , 2012, 13, 305.	1.2	35
49	Two Sides of the Same Coin? Consistency in Aggression to Conspecifics and Predators in a Female Songbird. <i>Ethology</i> , 2011, 117, 786-795.	0.5	33
50	Divergence along the gonadal steroidogenic pathway: Implications for hormone-mediated phenotypic evolution. <i>Hormones and Behavior</i> , 2016, 84, 1-8.	1.0	33
51	Effect of acute stressor on reproductive behavior differs between urban and rural birds. <i>Ecology and Evolution</i> , 2016, 6, 6546-6555.	0.8	33
52	Experimental evidence that symbiotic bacteria produce chemical cues in a songbird. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	33
53	Seasonal timing and population divergence: when to breed, when to migrate. <i>Current Opinion in Behavioral Sciences</i> , 2015, 6, 50-58.	2.0	31
54	Potential for sexual conflict assessed via testosterone-mediated transcriptional changes in liver and muscle of a songbird. <i>Journal of Experimental Biology</i> , 2014, 217, 507-17.	0.8	28

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55	Mellowing with age: older parents are less responsive to a stressor in a long-lived seabird. <i>Functional Ecology</i> , 2010, 24, 1037-1044.	1.7	27
56	Variation in Ejaculate Quality in Dark-Eyed Juncos According to Season, Stage of Reproduction, and Testosterone Treatment. <i>Auk</i> , 1998, 115, 684-693.	0.7	25
57	Songbird chemical signals reflect uropygial gland androgen sensitivity and predict aggression: implications for the role of the periphery in chemosignaling. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2018, 204, 5-15.	0.7	25
58	Early spring sex differences in luteinizing hormone response to gonadotropin releasing hormone in co-occurring resident and migrant dark-eyed juncos (<i>Junco hyemalis</i>). <i>General and Comparative Endocrinology</i> , 2016, 236, 17-23.	0.8	24
59	Sedentary songbirds maintain higher prevalence of haemosporidian parasite infections than migratory conspecifics during seasonal sympatry. <i>PLoS ONE</i> , 2018, 13, e0201563.	1.1	24
60	Robust behavioral effects of song playback in the absence of testosterone or corticosterone release. <i>Hormones and Behavior</i> , 2012, 62, 418-425.	1.0	23
61	Sources of variation in HPG axis reactivity and individually consistent elevation of sex steroids in a female songbird. <i>General and Comparative Endocrinology</i> , 2013, 194, 230-239.	0.8	23
62	Gonads and the evolution of hormonal phenotypes. <i>Integrative and Comparative Biology</i> , 2016, 56, 225-234.	0.9	21
63	Artificial light at night amplifies seasonal relapse of haemosporidian parasites in a widespread songbird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201831.	1.2	20
64	Individual variation in testosterone and parental care in a female songbird; The dark-eyed junco (<i>Junco</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	1.0	19
65	Early-breeding females experience greater telomere loss. <i>Molecular Ecology</i> , 2019, 28, 114-126.	2.0	19
66	A migratory lifestyle is associated with shorter telomeres in a songbird (<i>Junco hyemalis</i>). <i>Auk</i> , 2016, 133, 649-653.	0.7	18
67	Animal Migration: An Overview of One of Nature's Great Spectacles. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2021, 52, 479-497.	3.8	18
68	Highly context-specific activation of the HPG axis in the dark-eyed junco and implications for the challenge hypothesis. <i>General and Comparative Endocrinology</i> , 2014, 201, 65-73.	0.8	17
69	Mechanisms Associated with an Advance in the Timing of Seasonal Reproduction in an Urban Songbird. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	1.1	17
70	Migratory strategy explains differences in timing of female reproductive development in seasonally sympatric songbirds. <i>Functional Ecology</i> , 2019, 33, 1651-1662.	1.7	16
71	Reactivation of latent infections with migration shapes population-level disease dynamics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201829.	1.2	16
72	The Influence of Exogenous Testosterone on the Dynamics of Nestling Provisioning in Dark-Eyed Juncos. <i>Ethology</i> , 2007, 113, 18.	0.5	15

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73	Hypothalamicâ€“pituitaryâ€“adrenal axis activity is not elevated in a songbird (<i>Junco hyemalis</i>) preparing for migration. <i>General and Comparative Endocrinology</i> , 2016, 232, 60-66.	0.8	15
74	Mouth Color Signals Thermal State of Nestling Dark-Eyed Juncos (<i>Junco hyemalis</i>). <i>Ethology</i> , 2003, 109, 171-182.	0.5	14
75	Female darkâ€“eyed juncos <i>Junco hyemalis thurberi</i> produce maleâ€“like song in a territorial context during the early breeding season. <i>Journal of Avian Biology</i> , 2018, 49, jav-01566.	0.6	14
76	Urban birdsongs: higher minimum song frequency of an urban colonist persists in a common garden experiment. <i>Animal Behaviour</i> , 2020, 170, 33-41.	0.8	14
77	Testosterone Manipulation of Male Attractiveness has no Detectable Effect on Female Home-Range Size and Behavior During the Fertile Period. <i>Ethology</i> , 2002, 108, 713-726.	0.5	13
78	Changes in processes downstream of the hypothalamus are associated with seasonal follicle development in a songbird, the dark-eyed junco (<i>Junco hyemalis</i>). <i>General and Comparative Endocrinology</i> , 2019, 270, 103-112.	0.8	13
79	Song rates of dark-eyed juncos do not increase when females are fertile. <i>Behavioral Ecology and Sociobiology</i> , 1997, 41, 165-169.	0.6	12
80	Testosterone production, sexually dimorphic morphology, and digit ratio in the dark-eyed junco. <i>Behavioral Ecology</i> , 2013, 24, 462-469.	1.0	12
81	The effect of chronic and acute stressors, and their interaction, on testes function: an experimental test during testicular recrudescence. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	11
82	Leukocyte profiles vary with breeding latitude and infection status in a seasonally sympatric songbird. <i>Animal Migration</i> , 2019, 6, 28-40.	1.1	11
83	Long-Distance Homing by Nonmigratory Dark-Eyed Juncos. <i>Condor</i> , 1986, 88, 539-542.	0.7	10
84	Can Experience Alter the Avian Annual Cycle? Results of Migration Experiments with Indigo Buntings. <i>Ethology</i> , 1988, 79, 333-341.	0.5	10
85	Genomes to space stations: the need for the integrative study of migration for avian conservation. <i>Biology Letters</i> , 2018, 14, .	1.0	10
86	Condition explains individual variation in mobbing behavior. <i>Ethology</i> , 2017, 123, 495-502.	0.5	9
87	Suppression of Autumnal Migratory Unrest in Dark-Eyed Juncos Held During Summer on, Near, or Far From their Previous Wintering Sites. <i>Auk</i> , 1987, 104, 303-310.	0.7	8
88	Experiments on Winterâ€“site Attachment in Young Darkâ€“eyed Juncos. <i>Ethology</i> , 1991, 87, 123-133.	0.5	7
89	CORRELATIONAL SELECTION LEADS TO GENETIC INTEGRATION OF BODY SIZE AND AN ATTRACTIVE PLUMAGE TRAIT IN DARK-EYED JUNCOS. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 658.	1.1	6
90	Male and female testosterone-is one sex made in the image of the other? A comment on Goymann and Wingfield. <i>Behavioral Ecology</i> , 2014, 25, 702-702.	1.0	6

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91	Male courtship preference during seasonal sympatry may maintain population divergence. <i>Ecology and Evolution</i> , 2018, 8, 11833-11841.	0.8	6
92	Seasonally sympatric songbirds that differ in migratory strategy also differ in neuroendocrine measures. <i>General and Comparative Endocrinology</i> , 2020, 285, 113250.	0.8	6
93	Experimentally elevated testosterone shortens telomeres across years in a free-living songbird. <i>Molecular Ecology</i> , 2022, 31, 6216-6223.	2.0	6
94	ANIMAL MIGRATION AS A MOVING TARGET FOR CONSERVATION: INTRA-SPECIES VARIATION AND RESPONSES TO ENVIRONMENTAL CHANGE, AS ILLUSTRATED IN A SOMETIMES MIGRATORY SONGBIRD. <i>Environmental Law</i> , 2011, 41, 289-316.	0.5	6
95	Urban residency and leukocyte profiles in a traditionally migratory songbird. <i>Animal Migration</i> , 2019, 6, 49-59.	1.1	5
96	Rapid evolutionary divergence of a songbird population following recent colonization of an urban area. <i>Molecular Ecology</i> , 2022, 31, 2625-2643.	2.0	5
97	A high-quality genome assembly and annotation of the dark-eyed junco <i>Junco hyemalis</i> , a recently diversified songbird. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	5
98	The probability of being infected with haemosporidian parasites increases with host age but is not affected by experimental testosterone elevation in a wild songbird. <i>Journal of Avian Biology</i> , 2022, 2022, .	0.6	4
99	Plasticity in female timing may explain earlier breeding in a North American songbird. <i>Journal of Animal Ecology</i> , 2022, 91, 1988-1998.	1.3	4
100	The Effects of Experimentally Elevated Testosterone and Food Deprivation on Food Consumption and Prey Size Preferences in Male Dark-Eyed Juncos (<i>Junco hyemalis</i> , <i>Emberizidae: Passeriformes</i>). <i>Ethology</i> , 2001, 107, 439-449.	0.5	3
101	Lipid signaling and fat storage in the dark-eyed junco. <i>General and Comparative Endocrinology</i> , 2017, 247, 166-173.	0.8	3
102	Condition- and context-dependent factors are related to courtship behavior of paired and unpaired males in a socially monogamous songbird. <i>Auk</i> , 2017, 134, 575-586.	0.7	3
103	Migrant and resident female songbirds differ in gonadal response to upstream stimulation during seasonal sympatry. <i>General and Comparative Endocrinology</i> , 2020, 293, 113469.	0.8	3
104	Perspective: Masculinized dominant females in a cooperatively breeding species, a case of cross-sexual transfer?. <i>Molecular Ecology</i> , 2007, 16, 1345-1347.	2.0	2
105	Density-dependent fitness, not dispersal movements, drives temporal variation in spatial genetic structure in dark-eyed juncos (<i>Junco hyemalis</i>). <i>Molecular Ecology</i> , 2019, 28, 968-979.	2.0	2
106	What Do Ecology, Evolution, and Behavior Have in Common? The Organism in the Middle. <i>American Naturalist</i> , 2020, 196, 103-118.	1.0	2
107	The Function of Behavior as Assessed by Phenotypic Engineering with Testosterone. , 2017, , 305-320.		1
108	BEHAVIOR: Hormones in the Middle. <i>Science</i> , 2005, 310, 1905-1906.	6.0	0

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109	VII.2. Evolution of Hormones and Behavior. , 2013, , 616-623.		0
110	Elaina Marie Tuttle, 1963â€“2016. Auk, 2017, 134, 778-779.	0.7	0
111	Chasing the sun: When to migrate, when to breed. Functional Ecology, 2020, 34, 1750-1751.	1.7	0
112	Testosterone and sex: the role of hormones in sexual dimorphism. FASEB Journal, 2015, 29, 562.18.	0.2	0