

John C Wingfield

List of Publications by Year in descending order

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Version: 2024-02-01

281
papers

30,548
citations

3933

88
h-index

5120

166
g-index

291
all docs

291
docs citations

291
times ranked

11997
citing authors

#	ARTICLE	IF	CITATIONS
1	The concept of allostasis in biology and biomedicine. <i>Hormones and Behavior</i> , 2003, 43, 2-15.	2.1	2,524
2	The "Challenge Hypothesis": Theoretical Implications for Patterns of Testosterone Secretion, Mating Systems, and Breeding Strategies. <i>American Naturalist</i> , 1990, 136, 829-846.	2.1	2,072
3	Ecological Bases of Hormone- ² Behavior Interactions: The "Emergency Life History Stage". <i>American Zoologist</i> , 1998, 38, 191-206.	0.7	1,131
4	The Darwinian concept of stress: benefits of allostasis and costs of allostatic load and the trade-offs in health and disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2005, 29, 3-38.	6.1	933
5	Actions of glucocorticoids at a seasonal baseline as compared to stress-related levels in the regulation of periodic life processes. <i>General and Comparative Endocrinology</i> , 2006, 148, 132-149.	1.8	707
6	Do baseline glucocorticoids predict fitness?. <i>Trends in Ecology and Evolution</i> , 2009, 24, 634-642.	8.7	675
7	Seasonal changes of the adrenocortical response to stress in birds of the Sonoran desert. <i>The Journal of Experimental Zoology</i> , 1992, 264, 419-428.	1.4	625
8	Avoiding the "Costs" of Testosterone: Ecological Bases of Hormone-Behavior Interactions. <i>Brain, Behavior and Evolution</i> , 2001, 57, 239-251.	1.7	478
9	What is in a name? Integrating homeostasis, allostasis and stress. <i>Hormones and Behavior</i> , 2010, 57, 105-111.	2.1	442
10	A supergene determines highly divergent male reproductive morphs in the ruff. <i>Nature Genetics</i> , 2016, 48, 79-83.	21.4	411
11	Allostatic load, social status and stress hormones: the costs of social status matter. <i>Animal Behaviour</i> , 2004, 67, 591-602.	1.9	393
12	Endocrine Responses of White-Crowned Sparrows to Environmental Stress. <i>Condor</i> , 1982, 84, 399.	1.6	365
13	Noninvasive Corticosterone Treatment Rapidly Increases Activity in Gambel's White-Crowned Sparrows (<i>Zonotrichia leucophrys gambelii</i>). <i>General and Comparative Endocrinology</i> , 1998, 111, 386-394.	1.8	360
14	Modulation of the Adrenocortical Responses to Acute Stress in Arctic Birds: A Possible Ecological Basis. <i>American Zoologist</i> , 1995, 35, 285-294.	0.7	325
15	The Annual Cycle of Plasma irLH and Steroid Hormones in Feral Populations of the White-crowned Sparrow, <i>Zonotrichia leucophrys gambelii</i> . <i>Biology of Reproduction</i> , 1978, 19, 1046-1056.	2.7	301
16	Effects of Experimental Manipulation of Testosterone Levels on Parental Investment and Breeding Success in Male House Sparrows. <i>Auk</i> , 1987, 104, 462-469.	1.4	298
17	Melatonin induces the expression of gonadotropin-inhibitory hormone in the avian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3052-3057.	7.1	297
18	The Endocrinology of a Natural Breeding Population of the White-Crowned Sparrow (<i>Zonotrichia</i>)	1.5	295

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19	Endocrine Responses to Unpredictable Environmental Events: Stress or Anti-Stress Hormones?. Integrative and Comparative Biology, 2002, 42, 600-609.	2.0	293
20	Stress Response and the Value of Reproduction: Are Birds Prudent Parents?. American Naturalist, 2009, 173, 589-598.	2.1	271
21	Control of behavioural strategies for capricious environments. Animal Behaviour, 2003, 66, 807-816.	1.9	264
22	Testosterone and territorial behaviour in sedentary and migratory sparrows. Animal Behaviour, 1994, 47, 77-89.	1.9	260
23	Effects of corticosterone on territorial behavior of free-living male song sparrows <i>Melospiza melodia</i> . Hormones and Behavior, 1986, 20, 405-417.	2.1	254
24	Is avian humoral immunocompetence suppressed by testosterone?. Behavioral Ecology and Sociobiology, 1999, 45, 167-175.	1.4	248
25	Distinguishing seasonal androgen responses from male "male androgen responsiveness" Revisiting the Challenge Hypothesis. Hormones and Behavior, 2007, 51, 463-476.	2.1	246
26	Short-term changes in plasma levels of hormones during establishment and defense of a breeding territory in male song sparrows, <i>Melospiza melodia</i> . Hormones and Behavior, 1985, 19, 174-187.	2.1	241
27	Diel rhythms of basal and stress-induced corticosterone in a wild, seasonal vertebrate, Gambel's white-crowned sparrow. The Journal of Experimental Zoology, 1999, 284, 334-342.	1.4	220
28	Environmental predictability and control of gonadal cycles in birds. The Journal of Experimental Zoology, 1992, 261, 214-231.	1.4	213
29	Effects of Weather on Corticosterone Responses in Wild Free-Living Passerine Birds. General and Comparative Endocrinology, 2000, 118, 113-122.	1.8	206
30	Regulation of Territorial Behavior in the Sedentary Song Sparrow, <i>Melospiza melodia morphna</i> . Hormones and Behavior, 1994, 28, 1-15.	2.1	205
31	Short-term fasting affects locomotor activity, corticosterone, and corticosterone binding globulin in a migratory songbird. Hormones and Behavior, 2003, 43, 150-157.	2.1	203
32	Ecological processes and the ecology of stress: the impacts of abiotic environmental factors. Functional Ecology, 2013, 27, 37-44.	3.6	203
33	Changes in Plasma Levels of Luteinizing Hormone and Sex Steroid Hormones in Relation to Multiple-Broodedness and Nest-Site Density in Male Starlings. Physiological Zoology, 1987, 60, 191-199.	1.5	202
34	Organization of vertebrate annual cycles: implications for control mechanisms. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 425-441.	4.0	201
35	Testosterone and Year-Round Territorial Aggression in a Tropical Bird. General and Comparative Endocrinology, 2000, 117, 20-33.	1.8	198
36	Androgens and the Immunocompetence Handicap Hypothesis: Unraveling Direct and Indirect Pathways of Immunosuppression in Song Sparrows. American Naturalist, 2004, 164, 490-505.	2.1	198

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37	Endocrine Responses to Inclement Weather in Naturally Breeding Populations of White-Crowned Sparrows (<i>Zonotrichia leucophrys pugetensis</i>). <i>Auk</i> , 1983, 100, 56-62.	1.4	196
38	Importance of the glucocorticoid stress response in a changing world: Theory, hypotheses and perspectives. <i>General and Comparative Endocrinology</i> , 2013, 190, 118-128.	1.8	190
39	Environmental and endocrine control of reproduction in the song sparrow, <i>Melospiza melodia</i> . <i>General and Comparative Endocrinology</i> , 1984, 56, 417-424.	1.8	177
40	Dehydroepiandrosterone in Songbird Plasma: Seasonal Regulation and Relationship to Territorial Aggression. <i>General and Comparative Endocrinology</i> , 2001, 123, 144-155.	1.8	175
41	Gonadotropin-inhibitory hormone and its receptor in the avian reproductive system. <i>General and Comparative Endocrinology</i> , 2008, 156, 34-43.	1.8	172
42	Brain aromatase, 5 α -reductase, and 5 β -reductase change seasonally in wild male song sparrows: Relationship to aggressive and sexual behavior. <i>Journal of Neurobiology</i> , 2003, 56, 209-221.	3.6	170
43	Rapid inhibition of female sexual behavior by gonadotropin-inhibitory hormone (GnIH). <i>Hormones and Behavior</i> , 2006, 49, 550-555.	2.1	169
44	Environmental and endocrine control of reproduction in the song sparrow, <i>Melospiza melodia</i> . <i>General and Comparative Endocrinology</i> , 1984, 56, 406-416.	1.8	167
45	SEASONALITY OF REPRODUCTION IN A NEOTROPICAL RAIN FOREST BIRD. <i>Ecology</i> , 2000, 81, 2458-2472.	3.2	166
46	Acute and chronic effects of an aromatase inhibitor on territorial aggression in breeding and nonbreeding male song sparrows. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2000, 186, 759-769.	1.6	160
47	Avian Endocrinology: Field Investigations and Methods. <i>Condor</i> , 1976, 78, 570.	1.6	158
48	Combined Aromatase Inhibitor and Antiandrogen Treatment Decreases Territorial Aggression in a Wild Songbird during the Nonbreeding Season. <i>General and Comparative Endocrinology</i> , 1999, 115, 442-453.	1.8	157
49	Gender and Seasonal Differences in the Adrenocortical Response to ACTH Challenge in an Arctic Passerine, <i>Zonotrichia leucophrys gambelii</i> . <i>General and Comparative Endocrinology</i> , 1994, 94, 33-43.	1.8	155
50	Endocrine Control of Life-Cycle Stages: A Constraint on Response to the Environment?. <i>Condor</i> , 2000, 102, 35-51.	1.6	155
51	Seasonal changes of the adrenocortical responses to stress in redpolls, <i>Acanthis flammea</i> , in Alaska. <i>The Journal of Experimental Zoology</i> , 1994, 270, 372-380.	1.4	153
52	Testosterone in Tropical Birds: Effects of Environmental and Social Factors. <i>American Naturalist</i> , 2004, 164, 327-334.	2.1	153
53	Ecological Constraints and the Evolution of Hormone-Behavior Interrelationships. <i>Annals of the New York Academy of Sciences</i> , 1997, 807, 22-41.	3.8	149
54	Corticosterone inhibits feather growth: Potential mechanism explaining seasonal down regulation of corticosterone during molt. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2005, 142, 65-73.	1.8	149

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55	Hormonal, behavioral, and thermoregulatory responses to bacterial lipopolysaccharide in captive and free-living white-crowned sparrows (<i>Zonotrichia leucophrys gambelii</i>). <i>Hormones and Behavior</i> , 2006, 49, 15-29.	2.1	146
56	Physiological and Behavioral Differences in Magellanic Penguin Chicks in Undisturbed and Tourist-Visited Locations of a Colony. <i>Conservation Biology</i> , 2005, 19, 1571-1577.	4.7	136
57	Comparative endocrinology, environment and global change. <i>General and Comparative Endocrinology</i> , 2008, 157, 207-216.	1.8	135
58	Seasonal changes in song nuclei and song behavior in Gambel's white-crowned sparrows. <i>Journal of Neurobiology</i> , 1995, 28, 114-125.	3.6	134
59	The comparative biology of environmental stress: behavioural endocrinology and variation in ability to cope with novel, changing environments. <i>Animal Behaviour</i> , 2013, 85, 1127-1133.	1.9	134
60	Aggressive interactions rapidly increase androgen synthesis in the brain during the non-breeding season. <i>Hormones and Behavior</i> , 2010, 57, 381-389.	2.1	129
61	Roles of photoperiod and testosterone in seasonal plasticity of the avian song control system. <i>Journal of Neurobiology</i> , 1997, 32, 426-442.	3.6	128
62	Adrenocortical Response to Stress in the Common Diving Petrel, <i>Pelecanoides urinatrix</i> . <i>Physiological Zoology</i> , 1994, 67, 526-537.	1.5	128
63	Effects of temperature on photoperiodically induced reproductive development, circulating plasma luteinizing hormone and thyroid hormones, body mass, fat deposition and molt in mountain white-crowned sparrows, <i>Zonotrichia leucophrys oriantha</i> . <i>General and Comparative Endocrinology</i> , 2003, 131, 143-158.	1.8	127
64	Ecological Factors Underlying the Adrenocortical Response to Capture Stress in Arctic-Breeding Shorebirds. <i>General and Comparative Endocrinology</i> , 2001, 124, 1-11.	1.8	126
65	Food availability and population processes: severity of nutritional stress during reproduction predicts survival of long-lived seabirds. <i>Functional Ecology</i> , 2010, 24, 625-637.	3.6	126
66	Dehydroepiandrosterone (DHEA) Increases Territorial Song and the Size of an Associated Brain Region in a Male Songbird. <i>Hormones and Behavior</i> , 2002, 41, 203-212.	2.1	125
67	Seasonal changes in androgen receptor immunoreactivity in the song nucleus HVC of a wild bird. <i>Journal of Comparative Neurology</i> , 1999, 409, 224-236.	1.6	120
68	Social instability increases plasma testosterone in a year-round territorial neotropical bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 551-556.	2.6	117
69	Effects of Day Length and Temperature on Gonadal Development, Body Mass, and Fat Depots in White-Crowned Sparrows, <i>Zonotrichia leucophrys pugetensis</i> . <i>General and Comparative Endocrinology</i> , 1997, 107, 44-62.	1.8	113
70	Biological Clocks and Regulation of Seasonal Reproduction and Migration in Birds. <i>Physiological and Biochemical Zoology</i> , 2010, 83, 827-835.	1.5	113
71	Latitudinal variation in plasma testosterone levels in birds of the genus <i>Zonotrichia</i> . <i>General and Comparative Endocrinology</i> , 2002, 129, 13-19.	1.8	112
72	Modulation of the Adrenocortical Stress Response in Neotropical Migrants during Autumn Migration. <i>Auk</i> , 1996, 113, 558-564.	1.4	111

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73	Alterations in hypothalamic-pituitary-adrenal function associated with captivity in Gambel's white-crowned sparrows (<i>Zonotrichia leucophrys gambelii</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1999, 122, 13-20.	1.6	108
74	Seasonal modulation of sickness behavior in free-living northwestern song sparrows (<i>Melospiza</i>). <i>Journal of Neurobiology</i> , 1999, 41, 176-188.	1.7	108
75	Androgen-metabolizing enzymes show region-specific changes across the breeding season in the brain of a wild songbird. <i>Journal of Neurobiology</i> , 1999, 41, 176-188.	3.6	106
76	Acute phase responses of passerine birds: characterization and seasonal variation. <i>Journal Fur Ornithologie</i> , 2007, 148, 583-591.	1.2	106
77	Arctic spring: hormone-behavior interactions in a severe environment. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 132, 275-286.	1.6	105
78	Interrelationship of Day Length and Temperature on the Control of Gonadal Development, Body Mass, and Fat Score in White-Crowned Sparrows, <i>Zonotrichia leucophrys gambelii</i> . <i>General and Comparative Endocrinology</i> , 1996, 101, 242-255.	1.8	103
79	Field Endocrinology and Conservation Biology. <i>Integrative and Comparative Biology</i> , 2005, 45, 12-18.	2.0	102
80	A continuing saga: The role of testosterone in aggression. <i>Hormones and Behavior</i> , 2005, 48, 253-255.	2.1	102
81	Delayed breeding in the cooperatively breeding Florida scrub-jay (<i>Aphelocoma coerulescens</i>): inhibition or the absence of stimulation?. <i>Behavioral Ecology and Sociobiology</i> , 1996, 39, 77-90.	1.4	101
82	Endocrine influences on parental care during a short breeding season: testosterone and male parental care in Lapland longspurs (<i>Calcarius lapponicus</i>). <i>Behavioral Ecology and Sociobiology</i> , 1999, 45, 360-369.	1.4	101
83	Control of territorial aggression in a changing environment. <i>Psychoneuroendocrinology</i> , 1994, 19, 709-721.	2.7	99
84	Seasonality and Hormonal Control of Territorial Aggression in Female Song Sparrows (<i>Passeriformes: Emberizidae: Melospiza melodia</i>). <i>Ethology</i> , 2000, 106, 493-510.	1.1	99
85	Reproductive asynchrony and population divergence between two tropical bird populations. <i>Behavioral Ecology</i> , 2005, 16, 755-762.	2.2	98
86	Season and Migration Alters the Corticosterone Response to Capture and Handling in an Arctic Migrant, the White-Crowned Sparrow (<i>Zonotrichia leucophrys gambelii</i>). <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1997, 116, 171-177.	0.5	95
87	Sex differences in the organizational effects of corticosterone in the egg yolk of quail. <i>General and Comparative Endocrinology</i> , 2006, 146, 144-148.	1.8	94
88	How birds cope physiologically and behaviourally with extreme climatic events. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160140.	4.0	91
89	Some endocrine correlates of reneesting after loss of clutch or brood in the white-crowned sparrow, <i>Zonotrichia leucophrys gambelii</i> . <i>General and Comparative Endocrinology</i> , 1979, 38, 322-331.	1.8	90
90	A Field Study of Social Dominance, Plasma Levels of Luteinizing Hormone and Steroid Hormones in Wintering Harris' Sparrows. <i>Zeitschrift Für Tierpsychologie</i> , 1981, 57, 173-183.	0.2	87

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91	Behavioural insensitivity to supplementary testosterone during the parental phase in the chestnut-collared longspur, <i>Calcarius ornatus</i> . <i>Animal Behaviour</i> , 2002, 63, 795-803.	1.9	87
92	Testosterone implants increase song but not aggression in male Lapland longspurs. <i>Animal Behaviour</i> , 1997, 54, 1177-1192.	1.9	86
93	Visual and nutritional food cues fine-tune timing of reproduction in a neotropical rainforest bird. <i>The Journal of Experimental Zoology</i> , 2000, 286, 494-504.	1.4	86
94	Behavioral and endocrine correlates of multiple brooding in the semicolonial house sparrow <i>Passer domesticus</i> l. Males. <i>Hormones and Behavior</i> , 1986, 20, 294-312.	2.1	84
95	Adrenocortical Responses to Stress in Breeding Pied Flycatchers <i>Ficedula hypoleuca</i> : Relation to Latitude, Sex and Mating Status. <i>Journal of Avian Biology</i> , 1998, 29, 228.	1.2	84
96	Territoriality and testosterone in an equatorial population of rufous-collared sparrows, <i>Zonotrichia capensis</i> . <i>Animal Behaviour</i> , 2004, 67, 411-420.	1.9	84
97	Effects of Ambient Temperature on Photo-Induced Prolactin Secretion in Three Subspecies of White-Crowned Sparrow, <i>Zonotrichia leucophrys</i> . <i>General and Comparative Endocrinology</i> , 1999, 113, 445-456.	1.8	83
98	Interactions of gonadotropin-releasing hormone (GnRH) and gonadotropin-inhibitory hormone (GnIH) in birds and mammals. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2006, 305A, 807-814.	1.3	83
99	Ambient temperature effects on photo induced gonadal cycles and hormonal secretion patterns in Great Tits from three different breeding latitudes. <i>Hormones and Behavior</i> , 2008, 54, 60-68.	2.1	83
100	The relationship of telomere length to baseline corticosterone levels in nestlings of an altricial passerine bird in natural populations. <i>Frontiers in Zoology</i> , 2016, 13, 1.	2.0	83
101	Reproductive Seasonality of Seven Neotropical Passerine Species. <i>Condor</i> , 2003, 105, 683-695.	1.6	82
102	Spring and Autumn Territoriality in Song Sparrows: Same Behavior, Different Mechanisms?. <i>Integrative and Comparative Biology</i> , 2002, 42, 11-20.	2.0	80
103	Seasonal Differences of Gene Expression Profiles in Song Sparrow (<i>Melospiza melodia</i>) Hypothalamus in Relation to Territorial Aggression. <i>PLoS ONE</i> , 2009, 4, e8182.	2.5	79
104	EFFECTS OF ENDOGENOUS STEROID HORMONE LEVELS ON ANNUAL SURVIVAL IN CLIFF SWALLOWS. <i>Ecology</i> , 2005, 86, 1034-1046.	3.2	78
105	Behavioral and physiological conflicts in migrants: the transition between migration and breeding. <i>Journal of Ornithology</i> , 2006, 147, 135.	1.1	78
106	The Adrenocortical Response to Stress in Incubating Magellanic Penguins (<i>Spheniscus magellanicus</i>). <i>Auk</i> , 1998, 115, 76-84.	1.4	77
107	REPRODUCTIVE SEASONALITY OF SEVEN NEOTROPICAL PASSERINE SPECIES. <i>Condor</i> , 2003, 105, 683.	1.6	77
108	Hormonal Correlates of Dominance and Starvation-Induced Aggression in Chicks of the Blue-footed Booby. <i>Ethology</i> , 1996, 102, 748-761.	1.1	77

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109	What are extreme environmental conditions and how do organisms cope with them?. <i>Environmental Epigenetics</i> , 2011, 57, 363-374.	1.8	77
110	The Hypothalamus and Adrenal Regulate Modulation of Corticosterone Release in Redpolls (<i>Carduelis</i>) Tj ETQq0 0 Q rgBT /Overlock 10 T	1.8	76
111	The effect of corticosterone on standard metabolic rates of small passerine birds. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1991, 161, 427-31.	1.5	75
112	Seasonal changes in aromatase and androgen receptor, but not estrogen receptor mRNA expression in the brain of the free-living male song sparrow, <i>Melospiza melodia morphna</i> . <i>Journal of Comparative Neurology</i> , 2010, 518, 3819-3835.	1.6	75
113	Male-to-female testosterone ratios, dimorphism, and life history—what does it really tell us?. <i>Behavioral Ecology</i> , 2014, 25, 685-699.	2.2	75
114	Does prolactin mediate parental and life-history decisions in response to environmental conditions in birds? A review. <i>Hormones and Behavior</i> , 2016, 77, 18-29.	2.1	75
115	Steroid Hormone Interrelationships with Territorial Aggression in an Arctic-Breeding Songbird, Gambel's White-Crowned Sparrow, <i>Zonotrichia leucophrys gambelii</i> . <i>Hormones and Behavior</i> , 2002, 42, 212-221.	2.1	74
116	MODULATING THE CORTICOSTERONE STRESS RESPONSE: A MECHANISM FOR BALANCING INDIVIDUAL RISK AND REPRODUCTIVE SUCCESS IN ARCTIC-BREEDING SPARROWS?. <i>Auk</i> , 2003, 120, 1140.	1.4	74
117	Social context modulates sickness behavior. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 1421-1428.	1.4	73
118	Relationships of Steroid Hormones and Polygyny to Territorial Status, Breeding Experience, and Reproductive Success in Male Red-Winged Blackbirds. <i>Auk</i> , 1989, 106, 107-117.	1.4	70
119	Mode of action and functional significance of avian gonadotropin-inhibitory hormone (GnIH): a review. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2006, 305A, 801-806.	1.3	69
120	Hypothalamic-pituitary-adrenal axis changes allow seasonal modulation of corticosterone in a bird. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 274, R1338-R1344.	1.8	67
121	Vocal Distinctiveness and Response to Conspecific Playback in the Spotted Antbird, a Neotropical Suboscine. <i>Condor</i> , 2002, 104, 387-394.	1.6	67
122	The influence of social cues on the reproductive endocrinology of male brown-headed cowbirds: Field and laboratory studies. <i>Hormones and Behavior</i> , 1986, 20, 222-234.	2.1	66
123	Seasonal plasticity of the song control system in wild Nuttall's white-crowned sparrows. <i>Journal of Neurobiology</i> , 1998, 34, 69-82.	3.6	66
124	RNA Interference of Gonadotropin-Inhibitory Hormone Gene Induces Arousal in Songbirds. <i>PLoS ONE</i> , 2012, 7, e30202.	2.5	66
125	A phylogenetically controlled test of hypotheses for behavioral insensitivity to testosterone in birds. <i>Hormones and Behavior</i> , 2005, 47, 170-177.	2.1	65
126	Neither Testicular Androgens nor Embryonic Aromatase Activity Alters Morphology of the Neural Song System in Zebra Finches. <i>Biology of Reproduction</i> , 1996, 55, 1126-1132.	2.7	63

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127	Temporal Patterns of Territorial Behavior and Circulating Testosterone in the Lapland Longspur and Other Arctic Passerines. <i>American Zoologist</i> , 1995, 35, 274-284.	0.7	62
128	Flexibility in annual cycles of birds: implications for endocrine control mechanisms. <i>Journal of Ornithology</i> , 2005, 146, 291-304.	1.1	62
129	Responses of Photosensitive and Photorefractory Male White-crowned Sparrows (<i>Zonotrichia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1 <i>Biology of Reproduction</i> , 1979, 21, 801-806.	2.7	61
130	Breeding biology, sexually dimorphic development and nestling testosterone concentrations of the classically polyandrous African black coucal, <i>Centropus grillii</i> . <i>Journal of Ornithology</i> , 2005, 146, 314-324.	1.1	61
131	Modulation of the hypothalamic-pituitary-adrenal axis of an Arctic breeding polygynandrous songbird, the Smith's longspur, <i>Calcarius pictus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1849-1856.	2.6	59
132	Seasonal changes in the size of the avian song control nucleus HVC defined by multiple histological markers. , 1997, 381, 253-261.		58
133	Competing Females and Caring Males. Polyandry and Sex-Role Reversal in African Black Coucals, <i>Centropus grillii</i> . <i>Ethology</i> , 2004, 110, 807-823.	1.1	56
134	The effects of combined aromatase inhibitor and anti-androgen on male territorial aggression in a tropical population of rufous-collared sparrows, <i>Zonotrichia capensis</i> . <i>General and Comparative Endocrinology</i> , 2004, 135, 223-229.	1.8	56
135	Impact of experience-dependent and -independent factors on gene expression in songbird brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17245-17252.	7.1	55
136	Seasonal gonadal recrudescence in song sparrows: Response to temperature cues. <i>General and Comparative Endocrinology</i> , 2005, 143, 121-128.	1.8	54
137	Seasonal Changes in Adrenal Sensitivity Alter Corticosterone Levels in Gambel's White-Crowned Sparrows (<i>Zonotrichia leucophrys gambelii</i>). <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1998, 119, 31-36.	0.5	53
138	Effects of Vasoactive Intestinal Peptide on Plasma Prolactin in Passerines. <i>General and Comparative Endocrinology</i> , 1999, 113, 323-330.	1.8	53
139	Regulatory mechanisms that underlie phenology, behavior, and coping with environmental perturbations: An alternative look at biodiversity. <i>Auk</i> , 2012, 129, 1-7.	1.4	53
140	Greater shrub dominance alters breeding habitat and food resources for migratory songbirds in Alaskan arctic tundra. <i>Global Change Biology</i> , 2015, 21, 1508-1520.	9.5	53
141	The Effects of an El Niño Southern Oscillation Event on Reproduction in Male and Female Blue-Footed Boobies, <i>Sula nebouxii</i> . <i>General and Comparative Endocrinology</i> , 1999, 114, 163-172.	1.8	52
142	Changes in plasma corticosterone and adrenocortical response to stress during the breeding cycle in high altitude flycatchers. <i>General and Comparative Endocrinology</i> , 2003, 130, 222-231.	1.8	52
143	Reproductive development according to elevation in a seasonally breeding male songbird. <i>Oecologia</i> , 2004, 140, 201-210.	2.0	52
144	Effects of Exogenous Androgen and Antiandrogen on Territorial and Nonterritorial Red-winged Blackbirds (<i>Aves: Icterinae</i>). <i>Ethology</i> , 1990, 85, 58-72.	1.1	52

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146	Hormones and Territorial Behavior during Breeding in Snow Buntings (<i>Plectrophenax nivalis</i>): An Arctic-Breeding Songbird. <i>Hormones and Behavior</i> , 1998, 33, 40-47.	2.1	49
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148	Organism-environment interactions in a changing world: a mechanistic approach. <i>Journal of Ornithology</i> , 2011, 152, 279-288.	1.1	47
149	The effect of extreme spring weather on body condition and stress physiology in Lapland longspurs and white-crowned sparrows breeding in the Arctic. <i>General and Comparative Endocrinology</i> , 2016, 237, 10-18.	1.8	46
150	Identity of gonadotropin-releasing hormone in passerine birds: Comparison of GnRH in song sparrow (<i>Melospiza melodia</i>) and starling (<i>Sturnus vulgaris</i>) with five vertebrate GnRHs. <i>General and Comparative Endocrinology</i> , 1988, 69, 341-351.	1.8	45
151	Behavioral and Hormonal Responses of Male Song Sparrows to Estradiol-Treated Females during the Non-breeding Season. <i>Hormones and Behavior</i> , 1994, 28, 146-154.	2.1	45
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154	Effects of N-Methyl-d-Aspartate on Luteinizing Hormone Release and Fos-Like Immunoreactivity in the Male White-Crowned Sparrow (<i>Zonotrichia leucophrys gambelii</i>). <i>Endocrinology</i> , 1999, 140, 5922-5928.	2.8	44
155	Stress Responses in Tropical Sparrows: Comparing Tropical and Temperate <i>Zonotrichia</i> . <i>Physiological and Biochemical Zoology</i> , 2006, 79, 784-792.	1.5	44
156	Effect of estradiol implants on reproductive behavior of female Lapland longspurs (<i>Calcarius lapponicus</i>) during the breeding season. <i>Journal of Avian Biology</i> , 2007, 38, 101-107.	1.8	43
157	The adrenocortical responses to stress in snow buntings (<i>Plectrophenax nivalis</i>) and Lapland longspurs (<i>Calcarius lapponicus</i>) at Barrow, Alaska. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1994, 108, 299-306.	0.5	42
158	Ecophysiological Studies of Hormone-Behavior Relations in Birds. <i>Journal of Avian Biology</i> , 2002, 33, 587-647.		41
159	Comparative endocrinology in the 21st century. <i>Integrative and Comparative Biology</i> , 2009, 49, 339-348.	2.0	40
160	Variation in circulating corticosterone levels is associated with altitudinal range expansion in a passerine bird. <i>Oecologia</i> , 2011, 167, 369-378.	2.0	40
161	Tests of association between the humoral immune response of red-winged blackbirds (<i>Agelaius phoeniceus</i>) and their social interactions. <i>Sociobiology</i> , 2003, 53, 315-323.	1.4	39
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164	The Corticosterone Stress Response in Gentoo and King Penguins during the Non-Fasting Period. <i>Condor</i> , 1996, 98, 850-854.	1.6	38
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177	Hormone-Behavior Interrelationships of Birds in Response to Weather. <i>Advances in the Study of Behavior</i> , 2011, 43, 93-188.	1.6	32
178	Sex-specific variation in brown-headed cowbird immunity following acute stress: a mechanistic approach. <i>Oecologia</i> , 2012, 170, 25-38.	2.0	32
179	A mechanistic approach to understanding range shifts in a changing world: What makes a pioneer?. <i>General and Comparative Endocrinology</i> , 2015, 222, 44-53.	1.8	32
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182	Ecological Factors Affecting the Adrenocortical Response to Stress in Chestnutâ€Collared and McCownâ€™s Longspurs (<i>Calcarius ornatus</i> , <i>Calcarius mccownii</i>). <i>Physiological and Biochemical Zoology</i> , 2003, 76, 566-576.	1.5	31
183	Seasonal changes in adrenocortical responses to acute stress in Eurasian tree sparrow (<i>Passer</i>) Tj ETQq1 1 0.784314 rgBT /Overlock J and with the migratory <i>P. domesticus</i> in Qinghai Province. <i>General and Comparative Endocrinology</i> , 2008, 158, 47-53.	1.8	31
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187	RNA interference of gonadotropin-inhibitory hormone gene induces aggressive and sexual behaviors in birds. <i>General and Comparative Endocrinology</i> , 2013, 181, 179-186.	1.8	28
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195	Effects of thyroid hormone manipulation on pre-nuptial molt, luteinizing hormone and testicular growth in male white-crowned sparrows (<i>Zonotrichia leucophrys gambelii</i>). <i>General and Comparative Endocrinology</i> , 2018, 255, 12-18.	1.8	26
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197	Endocrine responsiveness to social challenges in northern and southern hemisphere populations of <i>Zonotrichia</i> . <i>Journal Fur Ornithologie</i> , 2007, 148, 435-441.	1.2	25
198	Combined effects of DHEA and fadrozole on aggression and neural VIP immunoreactivity in the non-breeding male song sparrow. <i>Hormones and Behavior</i> , 2008, 53, 287-294.	2.1	24

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200	Hypothalamic GnRH-I and its precursor during photorefractoriness onset in free-living male Dark-eyed Juncos (<i>Junco hyemalis</i>) of different year classes. <i>General and Comparative Endocrinology</i> , 2006, 145, 148-156.	1.8	23
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203	Concepts derived from the Challenge Hypothesis. <i>Hormones and Behavior</i> , 2019, 115, 104550.	2.1	23
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205	Comparison of adrenocortical responses to acute stress in lowland and highland Eurasian tree sparrows (<i>Passer montanus</i>): similar patterns during the breeding, but different during the prebasic molt. <i>Journal of Experimental Zoology</i> , 2011, 315A, 512-519.	1.2	22
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213	Biology of a critically endangered species, the Toki (Japanese Crested Ibis) <i>Nipponia nippon</i> . <i>Ibis</i> , 2000, 142, 1-11.	1.9	20
214	Effects of traffic noise exposure on corticosterone, glutathione and tonic immobility in chicks of a precocial bird. , 2019, 7, coz061.		20
215	Changes in plasma concentrations of progesterone, dehydroepiandrosterone and corticosterone in response to acute stress of capture, handling and restraint in two subspecies of white-crowned sparrows. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 177, 35-40.	1.8	19
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224	Maternal androgens in avian brood parasites and their hosts: Responses to parasitism and competition?. <i>General and Comparative Endocrinology</i> , 2017, 240, 143-152.	1.8	15
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230	Discovery of gonadotropin-inhibitory hormone in a domesticated bird, its mode of action and functional significance. <i>Journal Fur Ornithologie</i> , 2007, 148, 515-520.	1.2	12
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232	Apparent dissociation of photoperiodic time measurement between vernal migration and breeding under dim green light conditions in Gambel's white-crowned sparrow <i>Zonotrichia leucophrys gambelii</i> . <i>Environmental Epigenetics</i> , 2013, 59, 349-359.	1.8	12
233	Migration pattern of Gambel's White-crowned Sparrow along the Pacific Flyway. <i>Journal of Ornithology</i> , 2019, 160, 1097-1107.	1.1	12
234	Autumn migratory departure is influenced by reproductive timing and weather in an Arctic passerine. <i>Journal of Ornithology</i> , 2020, 161, 779-791.	1.1	12

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236	Weathering the storm: Do arctic blizzards cause repeatable changes in stress physiology and body condition in breeding songbirds?. <i>General and Comparative Endocrinology</i> , 2018, 267, 183-192.	1.8	11
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238	PHYSIOLOGICAL CONDITION IN MAGELLANIC PENGUINS: DOES IT MATTER IF YOU HAVE TO WALK A LONG WAY TO YOUR NEST?. <i>Condor</i> , 2004, 106, 696.	1.6	10
239	Changes in immunocompetence and other physiological measures during molt in Brown-headed Cowbirds (<i>Molothrus ater</i>). <i>Auk</i> , 2012, 129, 231-238.	1.4	10
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249	Acute restraint stress does not alter corticosteroid receptors or 11 β -hydroxysteroid dehydrogenase gene expression at hypothalamic-pituitary-adrenal axis regulatory sites in captive male white-crowned sparrows (<i>Zonotrichia leucophrys gambelii</i>). <i>General and Comparative Endocrinology</i> , 2021, 303, 113701.	1.8	8
250	Examination of nocturnal activity and behaviour in resident white-crowned sparrows (<i>Zonotrichia</i>)	0.8	10
251	A comparison of the adrenocortical responses to acute stress in cardueline finches from the Tibetan Plateau, Arctic Alaska and lowland Western North America. <i>Journal of Ornithology</i> , 2012, 153, 761-770.	1.1	7
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254	Effects of a social cue on reproductive development and pre-alternate molt in seasonally breeding migrant and resident female songbirds (<i>Zonotrichia leucophrys</i>). <i>Journal of Experimental Biology</i> , 2017, 220, 2947-2956.	1.7	6
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258	Endocrine Control of Life-Cycle Stages: A Constraint on Response to the Environment?. <i>Condor</i> , 2000, 102, 35-51.	1.6	6
259	Gonadotropin-inhibitory hormone in seasonally-breeding songbirds: neuroanatomy and functional biology. <i>Journal Fur Ornithologie</i> , 2007, 148, 521-526.	1.2	5
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