Barney A Schlinger

List of Publications by Year
in descending order

133	6,741	44069	69250
papers	citations	48 h-index	77 g-index

136	136	136	2633
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physiological innovation and the evolutionary elaboration of courtship behaviour. Animal Behaviour, 2022, 184, 185-195.	1.9	9
2	In Memoriam, Roger A. Gorski (1935â€“2021). Frontiers in Neuroendocrinology, 2022, 64, 100969.	5.2	0
3	The form, function, and evolutionary significance of neural aromatization. Frontiers in Neuroendocrinology, 2022, 64, 100967.	5.2	13
4	Layered evolution of gene expression in â€œsuperfastâ€•muscles for courtship. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119671119.	7.1	11
5	In fond memory of professor Kazuyoshi Tsutsui (1952â€“2021). Frontiers in Neuroendocrinology, 2022, 66, 100997.	5.2	0
6	Behavioral Sex Differences and Hormonal Control in a Bird with an Elaborate Courtship Display. Integrative and Comparative Biology, 2021, 61, 1319-1328.	2.0	4
7	11ÃŸ hydroxysteroid dehydrogenases regulate circulating glucocorticoids but not central gene expression. General and Comparative Endocrinology, 2021, 305, 113734.	1.8	1
8	Multidisciplinary science and the growth and future of behavioral neuroendocrinology: A perspective. Hormones and Behavior, 2020, 118, 104618.	2.1	1
9	Dense sampling of bird diversity increases power of comparative genomics. Nature, 2020, 587, 252-257.	27.8	251
10	The stressed brain: regional and stressâ€related corticosterone and stressâ€regulated gene expression in the adult zebra finch (Taeniopygia guttata). Journal of Neuroendocrinology, 2020, 32, e12852.	2.6	4
11	Sex-specific effects of testosterone on vocal output in a tropical suboscine bird. Animal Behaviour, 2019, 148, 105-112.	1.9	10
12	Hormonal and Neuromuscular Regulation of Courtship Displays. , 2019, , 428-440.		0
13	Phenotypic flexibility of glucocorticoid signaling in skeletal muscles of a songbird preparing to migrate. Hormones and Behavior, 2019, 116, 104586.	2.1	14
14	Preparing to migrate: expression of androgen signaling molecules and insulin-like growth factor-1 in skeletal muscles of Gambelâ€™s white-crowned sparrows. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2019, 205, 113-123.	1.6	9
15	3Î²-HSD expression in the CNS of a manakin and finch. General and Comparative Endocrinology, 2018, 256, 43-49.	1.8	7
16	Evolution of the androgen-induced male phenotype. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2018, 204, 81-92.	1.6	20
17	Hormonal control of behavior: novel mechanisms and model organisms. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2018, 204, 1-3.	1.6	1
18	Muscle, a conduit to brain for hormonal control of behavior. Hormones and Behavior, 2018, 105, 58-65.	2.1	8

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19	11Î²-HSD Types 1 and 2 in the Songbird Brain. Frontiers in Endocrinology, 2018, 9, 86.	3.5	13
20	Sex differences in androgen activation of complex courtship behaviour. Animal Behaviour, 2017, 124, 109-117.	1.9	18
21	Neuromuscular mechanisms of an elaborate wing display in the golden-collared manakin (Manacus) Tj ETQq1 1 0.784314 rgBT /Overl	1.7	11
22	Clearing up the court: sex and the endocrine basis of display-court manipulation. Animal Behaviour, 2017, 131, 115-121.	1.9	9
23	Neural and Hormonal Control of Birdsong. , 2017, , 255-290.		8
24	Across sex and age: Learning and memory and patterns of avian hippocampal gene expression.. Behavioral Neuroscience, 2017, 131, 483-491.	1.2	11
25	Regionâ€specific rapid regulation of aromatase activity in zebra finch brain. Journal of Neurochemistry, 2016, 136, 1177-1185.	3.9	21
26	Adaptive evolution of a derived radius morphology in manakins (Aves, Pipridae) to support acrobatic display behavior. Journal of Morphology, 2016, 277, 766-775.	1.2	10
27	Expression of 5Î±- and 5Î²-reductase in spinal cord and muscle of birds with different courtship repertoires. Frontiers in Zoology, 2016, 13, 25.	2.0	17
28	Determination of the wingsnap sonation mechanism of the Golden-collared manakin (<i>Manacus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	16
29	Research Resource: Hormones, Genes, and Athleticism: Effect of Androgens on the Avian Muscular Transcriptome. Molecular Endocrinology, 2016, 30, 254-271.	3.7	37
30	Determinants and significance of corticosterone regulation in the songbird brain. General and Comparative Endocrinology, 2016, 227, 136-142.	1.8	10
31	Western scrub-jays do not appear to attend to functionality in Aesopâ€™s Fable experiments. PeerJ, 2016, 4, e1707.	2.0	19
32	Perspectives on the evolution of animal dancing: a case study of manakins. Current Opinion in Behavioral Sciences, 2015, 6, 7-12.	3.9	28
33	The presence of a female influences courtship performance of male manakins. Auk, 2015, 132, 594-603.	1.4	26
34	Sex, estradiol, and spatial memory in a food-caching corvid. Hormones and Behavior, 2015, 75, 45-54.	2.1	22
35	Evolutionary patterns of adaptive acrobatics and physical performance predict expression profiles of androgen receptor â€“ but not oestrogen receptor â€“ in the forelimb musculature. Functional Ecology, 2015, 29, 1197-1208.	3.6	55
36	Steroids in the avian brain: heterogeneity across space and time. Journal of Ornithology, 2015, 156, 419-424.	1.1	9

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37	In Vivo Detection of Fluctuating Brain Steroid Levels in Zebra Finches. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot084616.	0.3	8
38	Establishing regional specificity of neuroestrogen action. General and Comparative Endocrinology, 2014, 205, 235-241.	1.8	13
39	Peripheral androgen action helps modulate vocal production in a suboscine passerine. Auk, 2014, 131, 327-334.	1.4	22
40	Expression of androgen receptor in the brain of a sub-oscine bird with an elaborate courtship display. Neuroscience Letters, 2014, 578, 61-65.	2.1	41
41	Physiological control of elaborate male courtship: Female choice for neuromuscular systems. Neuroscience and Biobehavioral Reviews, 2014, 46, 534-546.	6.1	58
42	Hormones and the neuromuscular control of courtship in the golden-collared manakin (Manacus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.2	53
43	Peripheral Androgen Receptors Sustain the Acrobatics and Fine Motor Skill of Elaborate Male Courtship. Endocrinology, 2013, 154, 3168-3177.	2.8	64
44	Spinal Motor and Sensory Neurons Are Androgen Targets in an Acrobatic Bird. Endocrinology, 2012, 153, 3780-3791.	2.8	39
45	Proximate and ultimate causes of male courtship behavior in Golden-collared Manakins. Journal of Ornithology, 2012, 153, 119-124.	1.1	15
46	Androgens Regulate Gene Expression in Avian Skeletal Muscles. PLoS ONE, 2012, 7, e51482.	2.5	45
47	Male Goldenâ€collared Manakins Manacus vitellinus do not adapt their courtship display to spatial alteration of their court. Ibis, 2012, 154, 173-176.	1.9	18
48	State-of-the art (Arnold) behavioral neuroendocrinology. Hormones and Behavior, 2011, 60, 1-3.	2.1	1
49	Estradiol Synthesis and Action at the Synapse: Evidence for ?Synaptocrine? Signaling. Frontiers in Endocrinology, 2011, 2, 28.	3.5	39
50	Combined Liquid and Solid-Phase Extraction Improves Quantification of Brain Estrogen Content. Frontiers in Neuroanatomy, 2011, 5, 57.	1.7	25
51	Female choice for male motor skills. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 3523-3528.	2.6	147
52	Synaptocrine Signaling: Steroid Synthesis and Action at the Synapse. Endocrine Reviews, 2011, 32, 532-549.	20.1	211
53	Presynaptic Control of Rapid Estrogen Fluctuations in the Songbird Auditory Forebrain. Journal of Neuroscience, 2011, 31, 10034-10038.	3.6	66
54	Sexually Dimorphic Neural Phenotypes in Golden-Collared Manakins <i>(Manacus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (vite	1.7	22

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55	Neural expression and post-transcriptional dosage compensation of the steroid metabolic enzyme 17Î²-HSD type 4. BMC Neuroscience, 2010, 11, 47.	1.9	24
56	Steroidal and gonadal effects on neural cell proliferation in vitro in an adult songbird. Brain Research, 2010, 1351, 41-49.	2.2	6
57	11Î²-hydroxysteroid dehydrogenase type 2 in zebra finch brain and peripheral tissues. General and Comparative Endocrinology, 2010, 166, 600-605.	1.8	20
58	Injury-Induced Regulation of Steroidogenic Gene Expression in the Cerebellum. Journal of Neurotrauma, 2010, 27, 1875-1882.	3.4	46
59	Brain estrogens rapidly strengthen auditory encoding and guide song preference in a songbird. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3852-3857.	7.1	185
60	Limb Muscles Are Androgen Targets in an Acrobatic Tropical Bird. Endocrinology, 2010, 151, 1042-1049.	2.8	53
61	Birdsong and the neural production of steroids. Journal of Chemical Neuroanatomy, 2010, 39, 72-81.	2.1	49
62	Aggressive interactions rapidly increase androgen synthesis in the brain during the non-breeding season. Hormones and Behavior, 2010, 57, 381-389.	2.1	129
63	Neurosteroid production in the songbird brain: A re-evaluation of core principles. Frontiers in Neuroendocrinology, 2009, 30, 302-314.	5.2	45
64	Recovery of motor and cognitive function after cerebellar lesions in a songbird â€“ role of estrogens. European Journal of Neuroscience, 2009, 29, 1225-1234.	2.6	33
65	Forebrain steroid levels fluctuate rapidly during social interactions. Nature Neuroscience, 2008, 11, 1327-1334.	14.8	284
66	Sex differences in cell proliferation and glucocorticoid responsiveness in the zebra finch brain. European Journal of Neuroscience, 2008, 28, 99-106.	2.6	32
67	Behavior, natural history and neuroendocrinology of a tropical bird. General and Comparative Endocrinology, 2008, 157, 254-258.	1.8	30
68	3Î²-HSD activates DHEA in the songbird brain. Neurochemistry International, 2008, 52, 611-620.	3.8	50
69	Sex differences in the effects of captivity on hippocampus size in brown-headed cowbirds (Molothrus) Tj ETQq1 1 0.784314 rgBT /Ov	1.2	30
70	Steroidogenesis and Neuroplasticity in the Songbird Brain. , 2008, , 201-216.		5
71	Androgen and the elaborate courtship behavior of a tropical lekking bird. Hormones and Behavior, 2007, 51, 62-68.	2.1	72
72	Testosterone and its effects on courtship in golden-collared manakins (Manacus vitellinus): Seasonal, sex, and age differences. Hormones and Behavior, 2007, 51, 69-76.	2.1	70

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73	Aromatase expression and cell proliferation following injury of the adult zebra finch hippocampus. Developmental Neurobiology, 2007, 67, 1867-1878.	3.0	31
74	Low sex steroids, high steroid receptors: Increasing the sensitivity of the nonreproductive brain. Developmental Neurobiology, 2007, 67, 57-67.	3.0	92
75	Subcellular compartmentalization of aromatase is sexually dimorphic in the adult zebra finch brain. Developmental Neurobiology, 2007, 67, 1-9.	3.0	63
76	Estrogen mediation of injuryâ€induced cell birth in neuroproliferative regions of the adult zebra finch brain. Developmental Neurobiology, 2007, 67, 1107-1117.	3.0	31
77	Steroidogenic enzymes along the ventricular proliferative zone in the developing songbird brain. Journal of Comparative Neurology, 2007, 502, 507-521.	1.6	56
78	Highâ€Speed Video Analysis Reveals Individual Variability in the Courtship Displays of Male Goldenâ€Collared Manakins. Ethology, 2007, 113, 964-972.	1.1	66
79	Activities of 3Î²-HSD and aromatase in slices of developing and adult zebra finch brain. General and Comparative Endocrinology, 2007, 150, 26-33.	1.8	48
80	Low sex steroids, high steroid receptors: Increasing the sensitivity of the nonreproductive brain. Journal of Neurobiology, 2007, 67, 57-67.	3.6	33
81	Subcellular compartmentalization of aromatase is sexually dimorphic in the adult zebra finch brain. Journal of Neurobiology, 2007, 67, 1-9.	3.6	13
82	Testosterone increases display behaviors but does not stimulate growth of adult plumage in male golden-collared manakins (Manacus vitellinus). Hormones and Behavior, 2006, 49, 223-232.	2.1	68
83	Brain aromatase: New lessons from non-mammalian model systems. Frontiers in Neuroendocrinology, 2006, 27, 247-274.	5.2	132
84	Neurosteroids and the songbird model system. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2006, 305A, 743-748.	1.3	30
85	Widespread Capacity for Steroid Synthesis in the Avian Brain and Song System. Endocrinology, 2006, 147, 5975-5987.	2.8	132
86	Songbirds: A novel perspective on estrogens and the aging brain. Age, 2005, 27, 287-296.	3.0	14
87	Aromatase is pre-synaptic and sexually dimorphic in the adult zebra finch brain. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 2089-2096.	2.6	141
88	Behavioral neuroendocrinology evolving: Contributions of comparative and field studies. Hormones and Behavior, 2005, 48, 349-351.	2.1	3
89	Dehydroepiandrosterone Metabolism by 3Î²-Hydroxysteroid Dehydrogenase/Î”5-Î”4 Isomerase in Adult Zebra Finch Brain: Sex Difference and Rapid Effect of Stress. Endocrinology, 2004, 145, 1668-1677.	2.8	121
90	Presynaptic N-methyl-D-aspartate receptor expression is increased by estrogen in an aromatase-rich area of the songbird hippocampus. Journal of Comparative Neurology, 2004, 469, 522-534.	1.6	49

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91	Radial glia express aromatase in the injured zebra finch brain. Journal of Comparative Neurology, 2004, 475, 261-269.	1.6	99
92	Neural aromatization accelerates the acquisition of spatial memory via an influence on the songbird hippocampus. Hormones and Behavior, 2004, 45, 250-258.	2.1	63
93	Cloning of the zebra finch androgen synthetic enzyme CYP17: A study of its neural expression throughout posthatch development. Journal of Comparative Neurology, 2003, 467, 496-508.	1.6	77
94	Brain aromatase, 5?-reductase, and 5?-reductase change seasonally in wild male song sparrows: Relationship to aggressive and sexual behavior. Journal of Neurobiology, 2003, 56, 209-221.	3.6	170
95	Neural and Hormonal Control of Birdsong. , 2002, , 799-839.		25
96	Neuromuscular and Endocrine Control of an Avian Courtship Behavior. Hormones and Behavior, 2001, 40, 276-280.	2.1	20
97	Neurosteroids and brain sexual differentiation. Trends in Neurosciences, 2001, 24, 429-431.	8.6	60
98	Advances in Avian Behavioral Endocrinology. Auk, 2001, 118, 283-289.	1.4	9
99	Adaptations for rapid and forceful contraction in wing muscles of the male golden-collared manakin: sex and species comparisons. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2001, 187, 677-684.	1.6	38
100	ADVANCES IN AVIAN BEHAVIORAL ENDOCRINOLOGY. Auk, 2001, 118, 283.	1.4	14
101	Distribution and regulation of telencephalic aromatase expression in the zebra finch revealed with a specific antibody. Journal of Comparative Neurology, 2000, 423, 619-630.	1.6	232
102	The Expression of the Sex Steroid-Synthesizing Enzymes CYP11A1, 3Î²-HSD, CYP17, and CYP19 in Gonads and Adrenals of Adult and Developing Zebra Finches. General and Comparative Endocrinology, 2000, 119, 140-151.	1.8	96
103	Acute and chronic effects of an aromatase inhibitor on territorial aggression in breeding and nonbreeding male song sparrows. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2000, 186, 759-769.	1.6	160
104	Telencephalic Aromatase but Not a Song Circuit in a Sub-Oscine Passerine, the Golden Collared Manakin <i>(Manacus vitellinus)</i>. Brain, Behavior and Evolution, 2000, 56, 29-37.	1.7	26
105	Androgen Synthesis in a Songbird: A Study of Cyp17 (17Î±-Hydroxylase/C17,20-Lyase) Activity in the Zebra Finch. General and Comparative Endocrinology, 1999, 113, 46-58.	1.8	104
106	Effects of Embryonic Treatment with Fadrozole on Phenotype of Gonads, Syrinx, and Neural Song System in Zebra Finches. General and Comparative Endocrinology, 1999, 115, 346-353.	1.8	32
107	Androgen metabolism in the juvenile oscine forebrain: A cross-species analysis at neural sites implicated in memory function. , 1999, 40, 397-406.		41
108	Androgen-metabolizing enzymes show region-specific changes across the breeding season in the brain of a wild songbird. Journal of Neurobiology, 1999, 41, 176-188.	3.6	106

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109	Zebra finch aromatase gene expression is regulated in the brain through an alternate promoter. Gene, 1999, 240, 209-216.	2.2	46
110	Regulation of aromatase, 5?- and 5?-reductase in primary cell cultures of developing zebra finch telencephalon. , 1998, 36, 30-40.		28
111	Activities of Aromatase and 3Î²-Hydroxysteroid Dehydrogenase/Î”4-Î”5Isomerase in Whole Organ Cultures of Tissues from Developing Zebra Finches. Hormones and Behavior, 1998, 33, 31-39.	2.1	26
112	The Passerine Hippocampus is a Site of High Aromatase: Inter- and Intraspecies Comparisons. Hormones and Behavior, 1998, 34, 85-97.	2.1	75
113	SEXUAL DIFFERENTIATION OF AVIAN BRAIN AND BEHAVIOR: Current Views on Gonadal Hormone-Dependent and Independent Mechanisms. Annual Review of Physiology, 1998, 60, 407-429.	13.1	79
114	The Activity and Expression of Aromatase in Songbirds. Brain Research Bulletin, 1997, 44, 359-364.	3.0	46
115	A putative 5Î±-reductase inhibitor demasculinizes portions of the zebra finch song system. Brain Research, 1997, 750, 122-128.	2.2	19
116	Estrogen Synthesis and Secretion in the Brown-Headed Cowbird (Molothrus ater). General and Comparative Endocrinology, 1997, 105, 390-401.	1.8	57
117	Sex steroids and their actions on the birdsong system. Journal of Neurobiology, 1997, 33, 619-631.	3.6	148
118	Independent Differentiation of Sexual and Social Traits. Hormones and Behavior, 1996, 30, 600-610.	2.1	13
119	3Î²-Hydroxysteroid Dehydrogenase/Isomerase and Aromatase Activity in Primary Cultures of Developing Zebra Finch Telencephalon: Dehydroepiandrosterone as Substrate for Synthesis of Androstenedione and Estrogens. General and Comparative Endocrinology, 1996, 102, 342-350.	1.8	111
120	Aromatase and 5?-reductase activity in cultures of developing zebra finch brain: An investigation of sex and regional differences. Journal of Neurobiology, 1995, 27, 240-251.	3.6	52
121	5?-Reductase and other Androgen-Metabolizing Enzymes in Primary Cultures of Developing Zebra Finch Telencephalon. Journal of Neuroendocrinology, 1995, 7, 187-192.	2.6	33
122	Estrogen synthesis and secretion by the songbird brain. , 1995, , 297-323.		8
123	Fadrozole: A Potent and Specific Inhibitor of Aromatase in the Zebra Finch Brain. General and Comparative Endocrinology, 1994, 94, 53-61.	1.8	116
124	Sexual Differentiation of Brain and Behavior: The Zebra Finch is not Just a Flying Rat. Brain, Behavior and Evolution, 1993, 42, 231-241.	1.7	68
125	Androgen effects on the development of the zebra finch song system. Brain Research, 1991, 561, 99-105.	2.2	60
126	Brain-Steroid Interactions and the Control of Aggressiveness in Birds. Neuroendocrine Perspectives, 1991, , 1-43.	0.6	16

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127	Song as Part of High Intensity Aggressive Interactions of Wintering White-Throated Sparrows. Condor, 1990, 92, 527.	1.6	2
128	Estrogen Receptors in Quail Brain: A Functional Relationship to Aromatase and Aggressiveness1. Biology of Reproduction, 1989, 40, 268-275.	2.7	44
129	Aromatase Activity in Quail Brain: Correlation with Aggressiveness*. Endocrinology, 1989, 124, 437-443.	2.8	93
130	Localization of Aromatase in Synaptosomal and Microsomal Subfractions of Quail (<i>Coturnix) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.5	150
131	In vivo steroid regulation of aromatase and 5Î±-reductase in goldfish brain and pituitary. General and Comparative Endocrinology, 1988, 71, 175-182.	1.8	76
132	A method to quantify aggressiveness in Japanese quail (Coturnix c. japonica). Physiology and Behavior, 1987, 40, 343-348.	2.1	38
133	A comparison of aromatase, 5Î±-, and 5Î²- reductase activities in the brain and pituitary of male and female quail(C. c. japonica). The Journal of Experimental Zoology, 1987, 242, 171-180.	1.4	85