

Arthur P Arnold

List of Publications by Year in descending order

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Version: 2024-02-01

230
papers

20,757
citations

8172

76
h-index

12258

133
g-index

237
all docs

237
docs citations

237
times ranked

14255
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue-specific expression and regulation of sexually dimorphic genes in mice. <i>Genome Research</i> , 2006, 16, 995-1004.	2.4	785
2	The genome of a songbird. <i>Nature</i> , 2010, 464, 757-762.	13.7	770
3	Strategies and Methods for Research on Sex Differences in Brain and Behavior. <i>Endocrinology</i> , 2005, 146, 1650-1673.	1.4	679
4	Reframing sexual differentiation of the brain. <i>Nature Neuroscience</i> , 2011, 14, 677-683.	7.1	600
5	Sex Differences in the Brain: The Not So Inconvenient Truth. <i>Journal of Neuroscience</i> , 2012, 32, 2241-2247.	1.7	576
6	The organizationalâ€“activational hypothesis as the foundation for a unified theory of sexual differentiation of all mammalian tissues. <i>Hormones and Behavior</i> , 2009, 55, 570-578.	1.0	503
7	What does the â€œfour core genotypesâ€•mouse model tell us about sex differences in the brain and other tissues?. <i>Frontiers in Neuroendocrinology</i> , 2009, 30, 1-9.	2.5	480
8	A Model System for Study of Sex Chromosome Effects on Sexually Dimorphic Neural and Behavioral Traits. <i>Journal of Neuroscience</i> , 2002, 22, 9005-9014.	1.7	458
9	Sexually dimorphic motor nucleus in the rat lumbar spinal cord: Response to adult hormone manipulation, absence in androgen-insensitive rats. <i>Brain Research</i> , 1981, 225, 297-307.	1.1	391
10	Hormone concentrating cells in vocal control and other areas of the brain of the zebra finch (<i>Poephila guttata</i>). <i>Journal of Comparative Neurology</i> , 1976, 165, 487-511.	0.9	380
11	Sex chromosomes and brain gender. <i>Nature Reviews Neuroscience</i> , 2004, 5, 701-708.	4.9	331
12	A role for sex chromosome complement in the female bias in autoimmune disease. <i>Journal of Experimental Medicine</i> , 2008, 205, 1099-1108.	4.2	317
13	Dosage compensation is less effective in birds than in mammals. <i>Journal of Biology</i> , 2007, 6, 2.	2.7	304
14	Considering sex as a biological variable in preclinical research. <i>FASEB Journal</i> , 2017, 31, 29-34.	0.2	285
15	Sex chromosome genes directly affect brain sexual differentiation. <i>Nature Neuroscience</i> , 2002, 5, 933-934.	7.1	275
16	The effects of castration and androgen replacement on song, courtship, and aggression in zebra finches (<i>Poephila guttata</i>). <i>The Journal of Experimental Zoology</i> , 1975, 191, 309-325.	1.4	267
17	The Number of X Chromosomes Causes Sex Differences in Adiposity in Mice. <i>PLoS Genetics</i> , 2012, 8, e1002709.	1.5	247
18	Sex differences in sex chromosome gene expression in mouse brain. <i>Human Molecular Genetics</i> , 2002, 11, 1409-1419.	1.4	237

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19	Distribution and regulation of telencephalic aromatase expression in the zebra finch revealed with a specific antibody. <i>Journal of Comparative Neurology</i> , 2000, 423, 619-630.	0.9	232
20	Neural, not gonadal, origin of brain sex differences in a gynandromorphic finch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4873-4878.	3.3	230
21	Elucidating the Role of Gonadal Hormones in Sexually Dimorphic Gene Coexpression Networks. <i>Endocrinology</i> , 2009, 150, 1235-1249.	1.4	224
22	Sex Hormones and Sex Chromosomes Cause Sex Differences in the Development of Cardiovascular Diseases. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 746-756.	1.1	224
23	Sex Chromosome Complement and Gonadal Sex Influence Aggressive and Parental Behaviors in Mice. <i>Journal of Neuroscience</i> , 2006, 26, 2335-2342.	1.7	220
24	Sex differences in renal angiotensin converting enzyme 2 (ACE2) activity are 17 β -oestradiol-dependent and sex chromosome-independent. <i>Biology of Sex Differences</i> , 2010, 1, 6.	1.8	218
25	A general theory of sexual differentiation. <i>Journal of Neuroscience Research</i> , 2017, 95, 291-300.	1.3	208
26	Evidence for a catecholaminergic projection to area X in the zebra finch. <i>Journal of Comparative Neurology</i> , 1981, 196, 347-354.	0.9	196
27	The end of gonad-centric sex determination in mammals. <i>Trends in Genetics</i> , 2012, 28, 55-61.	2.9	181
28	A Guide for the Design of Pre-clinical Studies on Sex Differences in Metabolism. <i>Cell Metabolism</i> , 2017, 25, 1216-1230.	7.2	179
29	Sexual dimorphism and the influence of neonatal androgen in the dorsolateral motor nucleus of the rat lumbar spinal cord. <i>Brain Research</i> , 1982, 249, 309-314.	1.1	170
30	The effects of castration on song development in zebra finches (<i>Poephila guttata</i>). <i>The Journal of Experimental Zoology</i> , 1975, 191, 261-277.	1.4	167
31	Sexual Differentiation of the Zebra Finch Song System. <i>Annals of the New York Academy of Sciences</i> , 2004, 1016, 540-559.	1.8	163
32	Are XX and XY brain cells intrinsically different?. <i>Trends in Endocrinology and Metabolism</i> , 2004, 15, 6-11.	3.1	153
33	Quantitative analysis of sex differences in hormone accumulation in the zebra finch brain: Methodological and theoretical issues. <i>Journal of Comparative Neurology</i> , 1980, 189, 421-436.	0.9	139
34	Genetically Triggered Sexual Differentiation of Brain and Behavior. <i>Hormones and Behavior</i> , 1996, 30, 495-505.	1.0	138
35	Sex chromosome complement regulates habit formation. <i>Nature Neuroscience</i> , 2007, 10, 1398-1400.	7.1	138
36	Minireview: Sex Chromosomes and Brain Sexual Differentiation. <i>Endocrinology</i> , 2004, 145, 1057-1062.	1.4	134

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37	Mouse Models for Evaluating Sex Chromosome Effects that Cause Sex Differences in Non-Gonadal Tissues. <i>Journal of Neuroendocrinology</i> , 2009, 21, 377-386.	1.2	134
38	Neural correlates of female song in tropical duetting birds. <i>Brain Research</i> , 1985, 343, 104-112.	1.1	132
39	A Yin-Yang Effect between Sex Chromosome Complement and Sex Hormones on the Immune Response. <i>Endocrinology</i> , 2005, 146, 3280-3285.	1.4	129
40	The Songbird Neurogenomics (SoNG) Initiative: Community-based tools and strategies for study of brain gene function and evolution. <i>BMC Genomics</i> , 2008, 9, 131.	1.2	126
41	Sexual differentiation of the zebra finch song system: Positive evidence, negative evidence, null hypotheses, and a paradigm shift. <i>Journal of Neurobiology</i> , 1997, 33, 572-584.	3.7	124
42	Sex Chromosome Effects Unmasked in Angiotensin II-Induced Hypertension. <i>Hypertension</i> , 2010, 55, 1275-1282.	1.3	120
43	Fadrozole: A Potent and Specific Inhibitor of Aromatase in the Zebra Finch Brain. <i>General and Comparative Endocrinology</i> , 1994, 94, 53-61.	0.8	116
44	Sex differences in the pattern of steroid accumulation by motoneurons of the rat lumbar spinal cord. <i>Journal of Comparative Neurology</i> , 1983, 215, 211-216.	0.9	114
45	Dissociation of Genetic and Hormonal Influences on Sex Differences in Alcoholism-Related Behaviors. <i>Journal of Neuroscience</i> , 2010, 30, 9140-9144.	1.7	114
46	Sex bias and dosage compensation in the zebra finch versus chicken genomes: General and specialized patterns among birds. <i>Genome Research</i> , 2010, 20, 512-518.	2.4	112
47	3 β -Hydroxysteroid Dehydrogenase/Isomerase and Aromatase Activity in Primary Cultures of Developing Zebra Finch Telencephalon: Dehydroepiandrosterone as Substrate for Synthesis of Androstenedione and Estrogens. <i>General and Comparative Endocrinology</i> , 1996, 102, 342-350.	0.8	111
48	Gonadal- and Sex-Chromosome-Dependent Sex Differences in the Circadian System. <i>Endocrinology</i> , 2013, 154, 1501-1512.	1.4	109
49	A second X chromosome contributes to resilience in a mouse model of Alzheimer's disease. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	107
50	XY sex chromosome complement, compared with XX, in the CNS confers greater neurodegeneration during experimental autoimmune encephalomyelitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2806-2811.	3.3	106
51	The effects of perinatal testosterone exposure on the DNA methylome of the mouse brain are late-emerging. <i>Biology of Sex Differences</i> , 2014, 5, 8.	1.8	106
52	The X-linked histone demethylase Kdm6a in CD4+ T lymphocytes modulates autoimmunity. <i>Journal of Clinical Investigation</i> , 2019, 129, 3852-3863.	3.9	105
53	Masculinization of the female rat spinal cord following a single neonatal injection of testosterone propionate but not estradiol benzoate. <i>Brain Research</i> , 1982, 237, 173-181.	1.1	104
54	Changes in neuronal number, density and size account for increases in volume of song-control nuclei during song development in zebra finches. <i>Neuroscience Letters</i> , 1986, 67, 263-268.	1.0	104

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55	Sex Differences in Ischemic Stroke Sensitivity Are Influenced by Gonadal Hormones, Not by Sex Chromosome Complement. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 221-229.	2.4	101
56	Developmental plasticity in neural circuits controlling birdsong: Sexual differentiation and the neural basis of learning. <i>Journal of Neurobiology</i> , 1992, 23, 1506-1528.	3.7	100
57	Evidence for cholinergic participation in the control of bird song: Acetylcholinesterase distribution and muscarinic receptor autoradiography in the zebra finch brain. <i>Journal of Comparative Neurology</i> , 1981, 202, 211-219.	0.9	99
58	Sexual differentiation of androgen accumulation within the zebra finch brain through selective cell loss and addition. <i>Journal of Comparative Neurology</i> , 1987, 259, 393-399.	0.9	99
59	A primer on the use of mouse models for identifying direct sex chromosome effects that cause sex differences in non-gonadal tissues. <i>Biology of Sex Differences</i> , 2016, 7, 68.	1.8	99
60	Regional differences in dosage compensation on the chicken Z chromosome. <i>Genome Biology</i> , 2007, 8, R202.	13.9	98
61	Expression of androgen receptor mRNA in zebra finch song system: Developmental regulation by estrogen. <i>Journal of Comparative Neurology</i> , 2004, 469, 535-547.	0.9	96
62	Reduced threshold for cortical spreading depression in female mice. <i>Annals of Neurology</i> , 2007, 61, 603-606.	2.8	96
63	DEVELOPMENTAL PLASTICITY IN NEURAL CIRCUITS FOR A LEARNED BEHAVIOR. <i>Annual Review of Neuroscience</i> , 1997, 20, 459-481.	5.0	94
64	Chromosomal polymorphism and comparative painting analysis in the zebra finch. <i>Chromosome Research</i> , 2005, 13, 47-56.	1.0	94
65	Developmental Regulation of the Distribution of Aromatase- and Estrogen-Receptor- mRNA-Expressing Cells in the Zebra Finch Brain. <i>Developmental Neuroscience</i> , 1999, 21, 453-472.	1.0	92
66	Understanding the Sexome: Measuring and Reporting Sex Differences in Gene Systems. <i>Endocrinology</i> , 2012, 153, 2551-2555.	1.4	92
67	Sexual dimorphism and lack of seasonal changes in vocal control regions of the white-crowned sparrow brain. <i>Brain Research</i> , 1984, 295, 85-89.	1.1	90
68	Noxious effects of excessive currents used for intracortical microstimulation. <i>Brain Research</i> , 1975, 96, 103-107.	1.1	89
69	X and Y Chromosome Complement Influence Adiposity and Metabolism in Mice. <i>Endocrinology</i> , 2013, 154, 1092-1104.	1.4	89
70	The importance of having two X chromosomes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150113.	1.8	89
71	Sex difference in neural tube defects in Δ 53 null mice is caused by differences in the complement of X not Y genes. <i>Developmental Neurobiology</i> , 2008, 68, 265-273.	1.5	88
72	A direct comparison of the masculinizing effects of testosterone, androstenedione, estrogen, and progesterone on the development of the zebra finch song system. <i>Journal of Neurobiology</i> , 1995, 26, 163-170.	3.7	87

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73	Metabolic impact of sex chromosomes. <i>Adipocyte</i> , 2013, 2, 74-79.	1.3	86
74	Differential distribution of the MeCP2 splice variants in the postnatal mouse brain. <i>Journal of Comparative Neurology</i> , 2007, 501, 526-542.	0.9	85
75	Sex chromosome complement affects nociception in tests of acute and chronic exposure to morphine in mice. <i>Hormones and Behavior</i> , 2008, 53, 124-130.	1.0	85
76	A Bird's-Eye View of Sex Chromosome Dosage Compensation. <i>Annual Review of Genomics and Human Genetics</i> , 2008, 9, 109-127.	2.5	84
77	Effects of androgens on volumes of sexually dimorphic brain regions in the zebra finch. <i>Brain Research</i> , 1980, 185, 441-444.	1.1	81
78	Conceptual frameworks and mouse models for studying sex differences in physiology and disease: Why compensation changes the game. <i>Experimental Neurology</i> , 2014, 259, 2-9.	2.0	79
79	Gene-by-Sex Interactions in Mitochondrial Functions and Cardio-Metabolic Traits. <i>Cell Metabolism</i> , 2019, 29, 932-949.e4.	7.2	79
80	Sex chromosome complement contributes to sex differences in coxsackievirus B3 but not influenza A virus pathogenesis. <i>Biology of Sex Differences</i> , 2011, 2, 8.	1.8	76
81	The number of X chromosomes influences protection from cardiac ischaemia/reperfusion injury in mice: one X is better than two. <i>Cardiovascular Research</i> , 2014, 102, 375-384.	1.8	74
82	Post-hatching inhibition of aromatase activity does not alter sexual differentiation of the zebra finch song system. <i>Brain Research</i> , 1994, 639, 347-350.	1.1	72
83	Ontogeny of androgen receptor immunoreactivity in lumbar motoneurons and in the sexually dimorphic levator ani muscle of male rats. <i>Journal of Comparative Neurology</i> , 1997, 379, 88-98.	0.9	72
84	Increased High-Density Lipoprotein Cholesterol Levels in Mice With XX Versus XY Sex Chromosomes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1778-1786.	1.1	72
85	Sexual Dimorphisms in the Neural Vocal Control System in Song Birds: Ontogeny and Phylogeny. <i>Brain, Behavior and Evolution</i> , 1986, 28, 22-31.	0.9	70
86	Lesions of HVC block the developmental masculinizing effects of estradiol in the female zebra finch song system. <i>Journal of Neurobiology</i> , 1991, 22, 29-39.	3.7	69
87	Are females more variable than males in gene expression? Meta-analysis of microarray datasets. <i>Biology of Sex Differences</i> , 2015, 6, 18.	1.8	69
88	Four Core Genotypes mouse model: localization of the Sry transgene and bioassay for testicular hormone levels. <i>BMC Research Notes</i> , 2015, 8, 69.	0.6	69
89	Sexual Differentiation of Brain and Behavior: The Zebra Finch is not Just a Flying Rat. <i>Brain, Behavior and Evolution</i> , 1993, 42, 231-241.	0.9	68
90	Immunohistochemical distribution of substance P, serotonin, and methionine enkephalin in sexually dimorphic nuclei of the rat lumbar spinal cord. <i>Journal of Comparative Neurology</i> , 1986, 248, 235-244.	0.9	67

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91	Two Perspectives on the Origin of Sex Differences in the Brain. <i>Annals of the New York Academy of Sciences</i> , 2003, 1007, 176-188.	1.8	67
92	X chromosome number causes sex differences in gene expression in adult mouse striatum. <i>European Journal of Neuroscience</i> , 2009, 29, 768-776.	1.2	66
93	Antiestrogens fail to prevent the masculine ontogeny of the zebra finch song system. <i>General and Comparative Endocrinology</i> , 1990, 80, 48-58.	0.8	64
94	Neither Testicular Androgens nor Embryonic Aromatase Activity Alters Morphology of the Neural Song System in Zebra Finches1. <i>Biology of Reproduction</i> , 1996, 55, 1126-1132.	1.2	63
95	Sexually dimorphic expression of <i>trkB</i> , a Z-linked gene, in early posthatch zebra finch brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7730-7735.	3.3	63
96	Cell-autonomous sex determination outside of the gonad. <i>Developmental Dynamics</i> , 2013, 242, 371-379.	0.8	63
97	Zebra finch estrogen receptor cDNA: Cloning and mRNA expression. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1996, 59, 135-145.	1.2	62
98	X chromosome dosage of histone demethylase KDM5C determines sex differences in adiposity. <i>Journal of Clinical Investigation</i> , 2020, 130, 5688-5702.	3.9	62
99	Comparison of the chicken and zebra finch Z chromosomes shows evolutionary rearrangements. <i>Chromosome Research</i> , 2006, 14, 805-815.	1.0	61
100	Hypothalamic oestrogen receptor alpha establishes a sexually dimorphic regulatory node of energy expenditure. <i>Nature Metabolism</i> , 2020, 2, 351-363.	5.1	61
101	Considering Sex as a Biological Variable in Basic and Clinical Studies: An Endocrine Society Scientific Statement. <i>Endocrine Reviews</i> , 2021, 42, 219-258.	8.9	61
102	Androgen effects on the development of the zebra finch song system. <i>Brain Research</i> , 1991, 561, 99-105.	1.1	60
103	Ontogeny of steroid accumulation in spinal lumbar motoneurons of the rat: Implications for androgen's site of action during synapse elimination. <i>Journal of Comparative Neurology</i> , 1991, 313, 441-448.	0.9	60
104	Report of the National Heart, Lung, and Blood Institute Working Group on Sex Differences Research in Cardiovascular Disease. <i>Hypertension</i> , 2016, 67, 802-807.	1.3	58
105	Four Core Genotypes and XY* mouse models: Update on impact on SABV research. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 119, 1-8.	2.9	57
106	Afferent neurons in the hypoglossal nerve of the zebra finch (<i>Poephila guttata</i>): Localization with horseradish peroxidase. <i>Journal of Comparative Neurology</i> , 1982, 210, 190-197.	0.9	56
107	Expression of androgen receptor mRNA in the late embryonic and early posthatch zebra finch brain. <i>Journal of Comparative Neurology</i> , 2003, 455, 513-530.	0.9	56
108	Sexually dimorphic expression of the X-linked gene <i>Eif2s3x</i> mRNA but not protein in mouse brain. <i>Gene Expression Patterns</i> , 2006, 6, 146-155.	0.3	56

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109	Androgenic regulation of dendritic trees of motoneurons in the spinal nucleus of the bulbocavernosus: Reconstruction after intracellular iontophoresis of horseradish peroxidase. <i>Journal of Comparative Neurology</i> , 1991, 308, 11-27.	0.9	55
110	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.	3.3	55
111	Sex differences in diurnal rhythms of food intake in mice caused by gonadal hormones and complement of sex chromosomes. <i>Hormones and Behavior</i> , 2015, 75, 55-63.	1.0	55
112	Quantitative Analysis of Steroid Autoradiograms,. <i>Journal of Histochemistry and Cytochemistry</i> , 1981, 29, 207-211.	1.3	53
113	Lack of a synergistic effect between estradiol and dihydrotestosterone in the masculinization of the zebra finch song system. <i>Journal of Neurobiology</i> , 1995, 27, 513-519.	3.7	53
114	Parent-of-origin differences in DNA methylation of X chromosome genes in T lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26779-26787.	3.3	53
115	Local intracerebral implants of estrogen masculinize some aspects of the zebra finch song system. <i>Journal of Neurobiology</i> , 1994, 25, 185-196.	3.7	52
116	Aromatase and 5 β -reductase activity in cultures of developing zebra finch brain: An investigation of sex and regional differences. <i>Journal of Neurobiology</i> , 1995, 27, 240-251.	3.7	52
117	Incorporating sex as a biological variable in neuroscience: what do we gain?. <i>Nature Reviews Neuroscience</i> , 2017, 18, 707-708.	4.9	52
118	Supraspinal projections to the ventromedial lumbar spinal cord in adult male rats. <i>Journal of Comparative Neurology</i> , 1990, 300, 263-272.	0.9	51
119	Neonatal Mice Possessing an Sry Transgene Show a Masculinized Pattern of Progesterone Receptor Expression in the Brain Independent of Sex Chromosome Status. <i>Endocrinology</i> , 2004, 145, 1046-1049.	1.4	51
120	What a Difference an X or Y Makes: Sex Chromosomes, Gene Dose, and Epigenetics in Sexual Differentiation. <i>Handbook of Experimental Pharmacology</i> , 2013, , 67-88.	0.9	51
121	Enkephalin-like immunoreactivity in vocal control regions of the zebra finch brain. <i>Brain Research</i> , 1981, 229, 236-240.	1.1	50
122	Neurogenesis of motoneurons in the sexually dimorphic spinal nucleus of the bulbocavernosus in rats. <i>Developmental Brain Research</i> , 1983, 9, 39-43.	2.1	50
123	Distribution of GABA-like immunoreactivity in the song system of the zebra finch. <i>Brain Research</i> , 1994, 651, 115-122.	1.1	50
124	Expression of estrogen receptor and aromatase mRNAs in embryonic and posthatch zebra finch brain. <i>Journal of Neurobiology</i> , 2003, 55, 204-219.	3.7	50
125	The Y Chromosome Plays a Protective Role in Experimental Hypoxic Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 952-955.	2.5	50
126	Sexual Differentiation of the Brain in Songbirds. <i>Developmental Neuroscience</i> , 1996, 18, 124-136.	1.0	49

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127	Song Lateralization in the Zebra Finch. <i>Hormones and Behavior</i> , 1997, 31, 25-34.	1.0	48
128	XX sex chromosome complement promotes atherosclerosis in mice. <i>Nature Communications</i> , 2019, 10, 2631.	5.8	48
129	Zebra finch aromatase gene expression is regulated in the brain through an alternate promoter. <i>Gene</i> , 1999, 240, 209-216.	1.0	46
130	Promoting the understanding of sex differences to enhance equity and excellence in biomedical science. <i>Biology of Sex Differences</i> , 2010, 1, 1.	1.8	46
131	Tamoxifen's effects on the zebra finch song system are estrogenic, not antiestrogenic. <i>Journal of Neurobiology</i> , 1991, 22, 957-969.	3.7	45
132	Interaction of BDNF and testosterone in the regulation of adult perineal motoneurons. <i>Journal of Neurobiology</i> , 2000, 44, 308-319.	3.7	45
133	Molecular cloning and characterization of the germline-restricted chromosome sequence in the zebra finch. <i>Chromosoma</i> , 2009, 118, 527-536.	1.0	45
134	Hormone accumulation in song regions of the canary brain. <i>Journal of Neurobiology</i> , 1992, 23, 871-880.	3.7	44
135	Sex Chromosome Complement Affects Nociception and Analgesia in Newborn Mice. <i>Journal of Pain</i> , 2008, 9, 962-969.	0.7	44
136	Effects of embryonic estrogen on differentiation of the gonads and secondary sexual characteristics of male zebra finches. , 1997, 278, 405-411.		43
137	Sexual differentiation of brain and other tissues: Five questions for the next 50 years. <i>Hormones and Behavior</i> , 2020, 120, 104691.	1.0	43
138	Accumulation of estrogen in a vocal control brain region of a duetting song bird. <i>Brain Research</i> , 1989, 480, 119-125.	1.1	42
139	Concepts of Genetic and Hormonal Induction of Vertebrate Sexual Differentiation in the Twentieth Century, with Special Reference to the Brain. , 2002, , 105-135.		42
140	A cDNA microarray from the telencephalon of juvenile male and female zebra finches. <i>Journal of Neuroscience Methods</i> , 2004, 138, 199-206.	1.3	42
141	Rethinking sex determination of non-gonadal tissues. <i>Current Topics in Developmental Biology</i> , 2019, 134, 289-315.	1.0	42
142	Lack of sexual dimorphism in steroid accumulation in vocal control brain regions of duetting song birds. <i>Brain Research</i> , 1985, 344, 172-175.	1.1	40
143	Synapse elimination occurs late in the hormone-sensitive levator ani muscle of the rat. <i>Journal of Neurobiology</i> , 1988, 19, 335-356.	3.7	40
144	Sex Differences in Structure and Expression of the Sex Chromosome Genes CHD1Z and CHD1W in Zebra Finches. <i>Molecular Biology and Evolution</i> , 2004, 21, 384-396.	3.5	40

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145	Diet, gonadal sex, and sex chromosome complement influence white adipose tissue miRNA expression. <i>BMC Genomics</i> , 2017, 18, 89.	1.2	40
146	Plasma Estrogens and Brain Aromatase in Winter White-Crowned Sparrows. <i>Ornis Scandinavica</i> , 1992, 23, 292.	1.0	39
147	Gap junctions between lateral spinal motoneurons in the rat. <i>Brain Research</i> , 1989, 495, 362-366.	1.1	38
148	Systems biology asks new questions about sex differences. <i>Trends in Endocrinology and Metabolism</i> , 2009, 20, 471-476.	3.1	38
149	Auditory and hormonal stimulation interact to produce neural growth in adult canaries. <i>Journal of Neurobiology</i> , 1986, 17, 605-612.	3.7	37
150	Cardiac proteomics reveals sex chromosome-dependent differences between males and females that arise prior to gonad formation. <i>Developmental Cell</i> , 2021, 56, 3019-3034.e7.	3.1	37
151	The effects of systemic androgen treatment on androgen accumulation in song control regions of the adult female canary brain. <i>Journal of Neurobiology</i> , 1990, 21, 837-843.	3.7	35
152	X chromosome escapee genes are involved in ischemic sexual dimorphism through epigenetic modification of inflammatory signals. <i>Journal of Neuroinflammation</i> , 2021, 18, 70.	3.1	35
153	Logical Levels of Steroid Hormone Action in the Control of Vertebrate Behavior. <i>American Zoologist</i> , 1981, 21, 233-242.	0.7	33
154	5 α -Reductase and other Androgen-Metabolizing Enzymes in Primary Cultures of Developing Zebra Finch Telencephalon. <i>Journal of Neuroendocrinology</i> , 1995, 7, 187-192.	1.2	33
155	Antiandrogen blocks estrogen-induced masculinization of the song system in female zebra finches. <i>Journal of Neurobiology</i> , 2002, 51, 1-8.	3.7	33
156	Effects of Embryonic Treatment with Fadrozole on Phenotype of Gonads, Syrinx, and Neural Song System in Zebra Finches. <i>General and Comparative Endocrinology</i> , 1999, 115, 346-353.	0.8	32
157	Steroid autoradiography of the sexually dimorphic nucleus of the preoptic area. <i>Brain Research</i> , 1987, 414, 349-356.	1.1	31
158	Critical period for androgenic regulation of soma size of sexually dimorphic motoneurons in rat lumbar spinal cord. <i>Neuroscience Letters</i> , 1989, 98, 79-84.	1.0	31
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