

# Arthur P Arnold

## List of Publications by Year in descending order

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223  
papers

21,301  
citations

7994

77  
h-index

12194

135  
g-index

241  
all docs

241  
docs citations

241  
times ranked

16284  
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.	5.6	805
2	The genome of a songbird. <i>Nature</i> , 2010, 464, 757-762.	36.2	786
3	Strategies and Methods for Research on Sex Differences in Brain and Behavior. <i>Endocrinology</i> , 2005, 146, 1650-1673.	2.8	699
4	Reframing sexual differentiation of the brain. <i>Nature Neuroscience</i> , 2011, 14, 677-683.	14.5	648
5	Sex Differences in the Brain: The Not So Inconvenient Truth. <i>Journal of Neuroscience</i> , 2012, 32, 2241-2247.	3.8	597
6	The organizationalâ€œactivational hypothesis as the foundation for a unified theory of sexual differentiation of all mammalian tissues. <i>Hormones and Behavior</i> , 2009, 55, 570-578.	2.1	518
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.	5.2	500
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.	3.8	468
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.	2.3	392
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.	2.0	384
11	Sex chromosomes and brain gender. <i>Nature Reviews Neuroscience</i> , 2004, 5, 701-708.	10.7	334
12	A role for sex chromosome complement in the female bias in autoimmune disease. <i>Journal of Experimental Medicine</i> , 2008, 205, 1099-1108.	8.8	322
13	Dosage compensation is less effective in birds than in mammals. <i>Journal of Biology</i> , 2007, 6, 2.	2.5	314
14	Considering sex as a biological variable in preclinical research. <i>FASEB Journal</i> , 2017, 31, 29-34.	0.5	302
15	Sex chromosome genes directly affect brain sexual differentiation. <i>Nature Neuroscience</i> , 2002, 5, 933-934.	14.5	280
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.	1.3	271
17	The Number of X Chromosomes Causes Sex Differences in Adiposity in Mice. <i>PLoS Genetics</i> , 2012, 8, e1002709.	3.4	263
18	Sex differences in sex chromosome gene expression in mouse brain. <i>Human Molecular Genetics</i> , 2002, 11, 1409-1419.	3.0	241

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19	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.	4.7	236
20	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.	2.0	234
21	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.	7.6	234
22	Elucidating the Role of Gonadal Hormones in Sexually Dimorphic Gene Coexpression Networks. <i>Endocrinology</i> , 2009, 150, 1235-1249.	2.8	227
23	Sex differences in renal angiotensin converting enzyme 2 (ACE2) activity are 17 $\beta$ -oestradiol-dependent and sex chromosome-independent. <i>Biology of Sex Differences</i> , 2010, 1, 6.	4.2	226
24	Sex Chromosome Complement and Gonadal Sex Influence Aggressive and Parental Behaviors in Mice. <i>Journal of Neuroscience</i> , 2006, 26, 2335-2342.	3.8	221
25	A general theory of sexual differentiation. <i>Journal of Neuroscience Research</i> , 2017, 95, 291-300.	3.0	221
26	Evidence for a catecholaminergic projection to area X in the zebra finch. <i>Journal of Comparative Neurology</i> , 1981, 196, 347-354.	2.0	196
27	A Guide for the Design of Pre-clinical Studies on Sex Differences in Metabolism. <i>Cell Metabolism</i> , 2017, 25, 1216-1230.	15.8	194
28	The end of gonad-centric sex determination in mammals. <i>Trends in Genetics</i> , 2012, 28, 55-61.	6.9	184
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.	2.3	172
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.	1.3	169
31	Are XX and XY brain cells intrinsically different?. <i>Trends in Endocrinology and Metabolism</i> , 2004, 15, 6-11.	7.0	157
32	Sex chromosome complement regulates habit formation. <i>Nature Neuroscience</i> , 2007, 10, 1398-1400.	14.5	142
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.	2.0	139
34	Mouse Models for Evaluating Sex Chromosome Effects that Cause Sex Differences in Non-Gonadal Tissues. <i>Journal of Neuroendocrinology</i> , 2009, 21, 377-386.	2.6	139
35	Genetically Triggered Sexual Differentiation of Brain and Behavior. <i>Hormones and Behavior</i> , 1996, 30, 495-505.	2.1	138
36	Minireview: Sex Chromosomes and Brain Sexual Differentiation. <i>Endocrinology</i> , 2004, 145, 1057-1062.	2.8	137

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37	Neural correlates of female song in tropical duetting birds. <i>Brain Research</i> , 1985, 343, 104-112.	2.3	132
38	A Yin-Yang Effect between Sex Chromosome Complement and Sex Hormones on the Immune Response. <i>Endocrinology</i> , 2005, 146, 3280-3285.	2.8	131
39	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.	3.1	126
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.	2.9	126
41	Sex Chromosome Effects Unmasked in Angiotensin II-Induced Hypertension. <i>Hypertension</i> , 2010, 55, 1275-1282.	5.2	123
42	A second X chromosome contributes to resilience in a mouse model of Alzheimer's disease. <i>Science Translational Medicine</i> , 2020, 12, .	13.4	117
43	The X-linked histone demethylase Kdm6a in CD4+ T lymphocytes modulates autoimmunity. <i>Journal of Clinical Investigation</i> , 2019, 129, 3852-3863.	8.2	117
44	Fadrozole: A Potent and Specific Inhibitor of Aromatase in the Zebra Finch Brain. <i>General and Comparative Endocrinology</i> , 1994, 94, 53-61.	1.8	116
45	Dissociation of Genetic and Hormonal Influences on Sex Differences in Alcoholism-Related Behaviors. <i>Journal of Neuroscience</i> , 2010, 30, 9140-9144.	3.8	116
46	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.	2.0	114
47	Gonadal- and Sex-Chromosome-Dependent Sex Differences in the Circadian System. <i>Endocrinology</i> , 2013, 154, 1501-1512.	2.8	114
48	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.	5.6	113
49	17 $\beta$ -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.	1.8	112
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.	7.6	109
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.	4.2	108
52	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.	4.2	107
53	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.	2.1	105
54	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.	2.3	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.	4.6	103
56	Regional differences in dosage compensation on the chicken Z chromosome. <i>Genome Biology</i> , 2007, 8, R202.	7.3	101
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.	2.0	100
58	Developmental plasticity in neural circuits controlling birdsong: Sexual differentiation and the neural basis of learning. <i>Journal of Neurobiology</i> , 1992, 23, 1506-1528.	3.1	100
59	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.	2.0	99
60	Chromosomal polymorphism and comparative painting analysis in the zebra finch. <i>Chromosome Research</i> , 2005, 13, 47-56.	2.1	98
61	Reduced threshold for cortical spreading depression in female mice. <i>Annals of Neurology</i> , 2007, 61, 603-606.	5.8	98
62	X and Y Chromosome Complement Influence Adiposity and Metabolism in Mice. <i>Endocrinology</i> , 2013, 154, 1092-1104.	2.8	97
63	Expression of androgen receptor mRNA in zebra finch song system: Developmental regulation by estrogen. <i>Journal of Comparative Neurology</i> , 2004, 469, 535-547.	2.0	96
64	The importance of having two X chromosomes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150113.	4.2	95
65	DEVELOPMENTAL PLASTICITY IN NEURAL CIRCUITS FOR A LEARNED BEHAVIOR. <i>Annual Review of Neuroscience</i> , 1997, 20, 459-481.	10.8	94
66	Understanding the Sexome: Measuring and Reporting Sex Differences in Gene Systems. <i>Endocrinology</i> , 2012, 153, 2551-2555.	2.8	94
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.	2.3	90
68	Noxious effects of excessive currents used for intracortical microstimulation. <i>Brain Research</i> , 1975, 96, 103-107.	2.3	89
69	Metabolic impact of sex chromosomes. <i>Adipocyte</i> , 2013, 2, 74-79.	2.9	89
70	Sex difference in neural tube defects in <i>p53</i> null mice is caused by differences in the complement of X not Y genes. <i>Developmental Neurobiology</i> , 2008, 68, 265-273.	3.1	88
71	Gene-by-Sex Interactions in Mitochondrial Functions and Cardio-Metabolic Traits. <i>Cell Metabolism</i> , 2019, 29, 932-949.e4.	15.8	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.	3.1	87

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73	Differential distribution of the <i>MeCP2</i> splice variants in the postnatal mouse brain. <i>Journal of Comparative Neurology</i> , 2007, 501, 526-542.	2.0	86
74	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.	2.1	85
75	A Bird's-Eye View of Sex Chromosome Dosage Compensation. <i>Annual Review of Genomics and Human Genetics</i> , 2008, 9, 109-127.	6.3	85
76	Effects of androgens on volumes of sexually dimorphic brain regions in the zebra finch. <i>Brain Research</i> , 1980, 185, 441-444.	2.3	84
77	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.	4.1	81
78	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.	4.7	79
79	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.	3.7	78
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.	4.2	77
81	Are females more variable than males in gene expression? Meta-analysis of microarray datasets. <i>Biology of Sex Differences</i> , 2015, 6, 18.	4.2	74
82	X chromosome dosage of histone demethylase KDM5C determines sex differences in adiposity. <i>Journal of Clinical Investigation</i> , 2020, 130, 5688-5702.	8.2	74
83	Considering Sex as a Biological Variable in Basic and Clinical Studies: An Endocrine Society Scientific Statement. <i>Endocrine Reviews</i> , 2021, 42, 219-258.	20.3	73
84	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.	2.3	72
85	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.	3.1	71
86	Four Core Genotypes mouse model: localization of the Sry transgene and bioassay for testicular hormone levels. <i>BMC Research Notes</i> , 2015, 8, 69.	1.4	71
87	X chromosome number causes sex differences in gene expression in adult mouse striatum. <i>European Journal of Neuroscience</i> , 2009, 29, 768-776.	3.5	69
88	Four Core Genotypes and XY* mouse models: Update on impact on SABV research. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 119, 1-8.	6.6	68
89	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.	2.0	67
90	Hypothalamic oestrogen receptor alpha establishes a sexually dimorphic regulatory node of energy expenditure. <i>Nature Metabolism</i> , 2020, 2, 351-363.	11.4	66

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91	Antiandrogens fail to prevent the masculine ontogeny of the zebra finch song system. <i>General and Comparative Endocrinology</i> , 1990, 80, 48-58.	1.8	64
92	Cell-autonomous sex determination outside of the gonad. <i>Developmental Dynamics</i> , 2013, 242, 371-379.	1.9	64
93	Zebra finch estrogen receptor cDNA: Cloning and mRNA expression. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1996, 59, 135-145.	2.6	63
94	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.	2.6	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.	7.6	63
96	Androgen effects on the development of the zebra finch song system. <i>Brain Research</i> , 1991, 561, 99-105.	2.3	61
97	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.	2.0	61
98	Comparison of the chicken and zebra finch Z chromosomes shows evolutionary rearrangements. <i>Chromosome Research</i> , 2006, 14, 805-815.	2.1	61
99	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.	5.2	59
100	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.	2.0	56
101	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.	2.0	56
102	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.	0.8	56
103	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.	7.6	56
104	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.	2.0	55
105	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.	2.1	55
106	Incorporating sex as a biological variable in neuroscience: what do we gain?. <i>Nature Reviews Neuroscience</i> , 2017, 18, 707-708.	10.7	55
107	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.	7.6	55
108	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.	0.0	54

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109	Quantitative Analysis of Steroid Autoradiograms,. Journal of Histochemistry and Cytochemistry, 1981, 29, 207-211.	2.6	53
110	Lack of a synergistic effect between estradiol and dihydrotestosterone in the masculinization of the zebra finch song system. Journal of Neurobiology, 1995, 27, 513-519.	3.1	53
111	Local intracerebral implants of estrogen masculinize some aspects of the zebra finch song system. Journal of Neurobiology, 1994, 25, 185-196.	3.1	52
112	Aromatase and 5 $\beta$ -reductase activity in cultures of developing zebra finch brain: An investigation of sex and regional differences. Journal of Neurobiology, 1995, 27, 240-251.	3.1	52
113	The Y Chromosome Plays a Protective Role in Experimental Hypoxic Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 952-955.	6.6	52
114	XX sex chromosome complement promotes atherosclerosis in mice. Nature Communications, 2019, 10, 2631.	13.2	52
115	Supraspinal projections to the ventromedial lumbar spinal cord in adult male rats. Journal of Comparative Neurology, 1990, 300, 263-272.	2.0	51
116	Distribution of GABA-like immunoreactivity in the song system of the zebra finch. Brain Research, 1994, 651, 115-122.	2.3	51
117	Neonatal Mice Possessing an Sry Transgene Show a Masculinized Pattern of Progesterone Receptor Expression in the Brain Independent of Sex Chromosome Status. Endocrinology, 2004, 145, 1046-1049.	2.8	51
118	Enkephalin-like immunoreactivity in vocal control regions of the zebra finch brain. Brain Research, 1981, 229, 236-240.	2.3	50
119	Neurogenesis of motoneurons in the sexually dimorphic spinal nucleus of the bulbocavernosus in rats. Developmental Brain Research, 1983, 9, 39-43.	1.8	50
120	Expression of estrogen receptor and aromatase mRNAs in embryonic and posthatch zebra finch brain. Journal of Neurobiology, 2003, 55, 204-219.	3.1	50
121	Song Lateralization in the Zebra Finch. Hormones and Behavior, 1997, 31, 25-34.	2.1	48
122	Promoting the understanding of sex differences to enhance equity and excellence in biomedical science. Biology of Sex Differences, 2010, 1, 1.	4.2	48
123	Zebra finch aromatase gene expression is regulated in the brain through an alternate promoter. Gene, 1999, 240, 209-216.	2.3	46
124	Sexual differentiation of brain and other tissues: Five questions for the next 50 years. Hormones and Behavior, 2020, 120, 104691.	2.1	46
125	Tamoxifen's effects on the zebra finch song system are estrogenic, not antiestrogenic. Journal of Neurobiology, 1991, 22, 957-969.	3.1	45
126	Effects of embryonic estrogen on differentiation of the gonads and secondary sexual characteristics of male zebra finches. The Journal of Experimental Zoology, 1997, 278, 405-411.	1.3	45



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127	Interaction of BDNF and testosterone in the regulation of adult perineal motoneurons. <i>Journal of Neurobiology</i> , 2000, 44, 308-319.	3.1	45
128	Sex Chromosome Complement Affects Nociception and Analgesia in Newborn Mice. <i>Journal of Pain</i> , 2008, 9, 962-969.	1.4	45
129	Molecular cloning and characterization of the germline-restricted chromosome sequence in the zebra finch. <i>Chromosoma</i> , 2009, 118, 527-536.	2.1	45
130	Hormone accumulation in song regions of the canary brain. <i>Journal of Neurobiology</i> , 1992, 23, 871-880.	3.1	44
131	Accumulation of estrogen in a vocal control brain region of a duetting song bird. <i>Brain Research</i> , 1989, 480, 119-125.	2.3	43
132	Rethinking sex determination of non-gonadal tissues. <i>Current Topics in Developmental Biology</i> , 2019, 134, 289-315.	5.7	43
133	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.	7.0	43
134	Concepts of Genetic and Hormonal Induction of Vertebrate Sexual Differentiation in the Twentieth Century, with Special Reference to the Brain. , 2002, , 105-135.		42
135	A cDNA microarray from the telencephalon of juvenile male and female zebra finches. <i>Journal of Neuroscience Methods</i> , 2004, 138, 199-206.	2.6	42
136	Diet, gonadal sex, and sex chromosome complement influence white adipose tissue miRNA expression. <i>BMC Genomics</i> , 2017, 18, 89.	2.9	42
137	Lack of sexual dimorphism in steroid accumulation in vocal control brain regions of duetting song birds. <i>Brain Research</i> , 1985, 344, 172-175.	2.3	40
138	Synapse elimination occurs late in the hormone-sensitive levator ani muscle of the rat. <i>Journal of Neurobiology</i> , 1988, 19, 335-356.	3.1	40
139	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.	9.2	40
140	Gap junctions between lateral spinal motoneurons in the rat. <i>Brain Research</i> , 1989, 495, 362-366.	2.3	39
141	Plasma Estrogens and Brain Aromatase in Winter White-Crowned Sparrows. <i>Ornis Scandinavica</i> , 1992, 23, 292.	0.9	39
142	Systems biology asks new questions about sex differences. <i>Trends in Endocrinology and Metabolism</i> , 2009, 20, 471-476.	7.0	38
143	X chromosome escapee genes are involved in ischemic sexual dimorphism through epigenetic modification of inflammatory signals. <i>Journal of Neuroinflammation</i> , 2021, 18, 70.	7.4	38
144	Auditory and hormonal stimulation interact to produce neural growth in adult canaries. <i>Journal of Neurobiology</i> , 1986, 17, 605-612.	3.1	37

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145	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.	3.1	35
146	5 $\beta$ -Reductase and other Androgen-Metabolizing Enzymes in Primary Cultures of Developing Zebra Finch Telencephalon. <i>Journal of Neuroendocrinology</i> , 1995, 7, 187-192.	2.6	34
147	Logical Levels of Steroid Hormone Action in the Control of Vertebrate Behavior. <i>American Zoologist</i> , 1981, 21, 233-242.	0.7	33
148	Antiandrogen blocks estrogen-induced masculinization of the song system in female zebra finches. <i>Journal of Neurobiology</i> , 2002, 51, 1-8.	3.1	33
149	The Sex Chromosome Trisomy mouse model of XXY and XYY: metabolism and motor performance. <i>Biology of Sex Differences</i> , 2013, 4, 15.	4.2	33
150	Transient and permanent effects of androgen during synapse elimination in the levator ani muscle of the rat. <i>Journal of Neurobiology</i> , 1992, 23, 1-9.	3.1	32
151	Axotomy transiently down-regulates androgen receptors in motoneurons of the spinal nucleus of the bulbocavernosus. <i>Brain Research</i> , 1995, 694, 61-68.	2.3	32
152	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.	1.8	32
153	Steroid autoradiography of the sexually dimorphic nucleus of the preoptic area. <i>Brain Research</i> , 1987, 414, 349-356.	2.3	31
154	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.	2.1	31
155	The application of multi-particulate microcapsule containing probiotic bacteria and inulin nanoparticles in enhancing the probiotic survivability in yoghurt. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101391.	3.3	31
156	Sexual Inequality in the Cancer Cell. <i>Cancer Research</i> , 2018, 78, 5504-5505.	0.9	30
157	Y-Chromosome Gene, <i>Uty</i> , Protects Against Pulmonary Hypertension by Reducing Proinflammatory Chemokines. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 186-196.	6.6	30
158	Spatially and temporally specific expression in mouse hippocampus of Usp9x, a ubiquitin-specific protease involved in synaptic development. <i>Journal of Neuroscience Research</i> , 2005, 80, 47-55.	3.0	28
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