

Nancy Forger

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

4,310
citations

87888

38
h-index

118850

62
g-index

94
all docs

94
docs citations

94
times ranked

2978
citing authors

#	ARTICLE	IF	CITATIONS
1	The Epigenetics of Sex Differences in the Brain: Figure 1.. Journal of Neuroscience, 2009, 29, 12815-12823.	3.6	389
2	Deletion of <i>Bax</i> eliminates sex differences in the mouse forebrain. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13666-13671.	7.1	200
3	Seasonal variation in mammalian striated muscle mass and motoneuron morphology. Journal of Neurobiology, 1987, 18, 155-165.	3.6	160
4	Epigenetic Control of Sexual Differentiation of the Bed Nucleus of the Stria Terminalis. Endocrinology, 2009, 150, 4241-4247.	2.8	154
5	Cell death and sexual differentiation of the nervous system. Neuroscience, 2006, 138, 929-938.	2.3	141
6	The effects of perinatal testosterone exposure on the DNA methylome of the mouse brain are late-emerging. Biology of Sex Differences, 2014, 5, 8.	4.1	106
7	Sex differences in the brain: a whole body perspective. Biology of Sex Differences, 2015, 6, 15.	4.1	106
8	Ciliary neurotrophic factor maintains motoneurons and their target muscles in developing rats. Journal of Neuroscience, 1993, 13, 4720-4726.	3.6	104
9	Sexual dimorphism in human and canine spinal cord: role of early androgen.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 7527-7531.	7.1	102
10	The spinal nucleus of the bulbocavernosus: Firsts in androgen-dependent neural sex differences. Hormones and Behavior, 2008, 53, 596-612.	2.1	91
11	BAX-Dependent and BAX-Independent Regulation of Kiss1 Neuron Development in Mice. Endocrinology, 2010, 151, 5807-5817.	2.8	91
12	Control of Cell Number in the Sexually Dimorphic Brain and Spinal Cord. Journal of Neuroendocrinology, 2009, 21, 393-399.	2.6	86
13	Social control of brain morphology in a eusocial mammal. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10548-10552.	7.1	80
14	Sexual dimorphism and androgen effects on spinal motoneurons innervating the rat flexor digitorum brevis. Brain Research, 1991, 561, 269-273.	2.2	77
15	Cardiotrophin-Like Cytokine/Cytokine-Like Factor 1 is an Essential Trophic Factor for Lumbar and Facial Motoneurons <i>In Vivo</i> . Journal of Neuroscience, 2003, 23, 8854-8858.	3.6	74
16	Distribution of oxytocin in the brain of a eusocial rodent. Neuroscience, 2008, 155, 809-817.	2.3	74
17	Epigenetics and sex differences in the brain: A genome-wide comparison of histone-3 lysine-4 trimethylation (H3K4me3) in male and female mice. Experimental Neurology, 2015, 268, 21-29.	4.1	73
18	Overexpression of Bcl-2 Reduces Sex Differences in Neuron Number in the Brain and Spinal Cord. Journal of Neuroscience, 2003, 23, 2357-2362.	3.6	71

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19	Control of Cell Number in the Bed Nucleus of the Stria Terminalis of Mice: Role of Testosterone Metabolites and Estrogen Receptor Subtypes. <i>Journal of Sexual Medicine</i> , 2010, 7, 1401-1409.	0.6	70
20	Neuroendocrinology and sexual differentiation in eusocial mammals. <i>Frontiers in Neuroendocrinology</i> , 2009, 30, 519-533.	5.2	67
21	Epigenetic mechanisms in sexual differentiation of the brain and behaviour. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150114.	4.0	63
22	Cellular and molecular mechanisms of sexual differentiation in the mammalian nervous system. <i>Frontiers in Neuroendocrinology</i> , 2016, 40, 67-86.	5.2	61
23	Effects of blocking developmental cell death on sexually dimorphic calbindin cell groups in the preoptic area and bed nucleus of the stria terminalis. <i>Biology of Sex Differences</i> , 2012, 3, 5.	4.1	59
24	Development of sex differences in the principal nucleus of the bed nucleus of the stria terminalis of mice: Role of <i>Bax</i> -dependent cell death. <i>Developmental Neurobiology</i> , 2007, 67, 355-362.	3.0	58
25	Cell death atlas of the postnatal mouse ventral forebrain and hypothalamus: Effects of age and sex. <i>Journal of Comparative Neurology</i> , 2013, 521, 2551-2569.	1.6	58
26	The microbiota influences cell death and microglial colonization in the perinatal mouse brain. <i>Brain, Behavior, and Immunity</i> , 2018, 67, 218-229.	4.1	54
27	Birth delivery mode alters perinatal cell death in the mouse brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11826-11831.	7.1	49
28	Reproductive state modulates ethanol intake in rats: Effects of ovariectomy, ethanol concentration, estrous cycle and pregnancy. <i>Pharmacology Biochemistry and Behavior</i> , 1982, 17, 323-331.	2.9	48
29	Regulation of motoneuron death in the spinal nucleus of the bulbocavernosus. <i>Journal of Neurobiology</i> , 1992, 23, 1192-1203.	3.6	48
30	Social status and sex independently influence androgen receptor expression in the eusocial naked mole-rat brain. <i>Hormones and Behavior</i> , 2008, 54, 278-285.	2.1	48
31	Sexual dimorphism of perineal muscles and motoneurons in spotted hyenas. <i>Journal of Comparative Neurology</i> , 1996, 375, 333-343.	1.6	46
32	Perineal muscles and motoneurons are sexually monomorphic in the naked mole-rat (<i>Heterocephalus glaber</i>). <i>Journal of Neurobiology</i> , 2002, 51, 33-42.	3.6	45
33	Distribution of vasopressin in the brain of the eusocial naked mole-rat. <i>Journal of Comparative Neurology</i> , 2007, 500, 1093-1105.	1.6	45
34	Motoneuronal death during human fetal development. <i>Journal of Comparative Neurology</i> , 1987, 264, 118-122.	1.6	44
35	Differential effects of testosterone metabolites upon the size of sexually dimorphic motoneurons in adulthood. <i>Hormones and Behavior</i> , 1992, 26, 204-213.	2.1	44
36	Sexual Dimorphism in the Spinal Cord Is Absent in Mice Lacking the Ciliary Neurotrophic Factor Receptor. <i>Journal of Neuroscience</i> , 1997, 17, 9605-9612.	3.6	44

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37	Blockade of Endogenous Neurotrophic Factors Prevents the Androgenic Rescue of Rat Spinal Motoneurons. <i>Journal of Neuroscience</i> , 2001, 21, 4366-4372.	3.6	44
38	Effects of Bax Gene Deletion on Muscle and Motoneuron Degeneration in a Sexually Dimorphic Neuromuscular System. <i>Journal of Neuroscience</i> , 2005, 25, 5638-5644.	3.6	41
39	Developmental changes and sex differences in DNA methylation and demethylation in hypothalamic regions of the mouse brain. <i>Epigenetics</i> , 2020, 15, 72-84.	2.7	40
40	Ciliary Neurotrophic Factor Receptor $\hat{\pm}$ in Spinal Motoneurons is Regulated by Gonadal Hormones. <i>Journal of Neuroscience</i> , 1998, 18, 8720-8729.	3.6	39
41	Differential Control of Sex Differences in Estrogen Receptor $\hat{\pm}$ in the Bed Nucleus of the Stria Terminalis and Anteroventral Periventricular Nucleus. <i>Endocrinology</i> , 2013, 154, 3836-3846.	2.8	38
42	Endocrine control of ethanol intake by rats or hamsters: Relative contributions of the ovaries, adrenals and steroids. <i>Pharmacology Biochemistry and Behavior</i> , 1982, 17, 529-537.	2.9	37
43	Patterns of cell death in the perinatal mouse forebrain. <i>Journal of Comparative Neurology</i> , 2017, 525, 47-64.	1.6	37
44	Neonatal Inhibition of DNA Methylation Alters Cell Phenotype in Sexually Dimorphic Regions of the Mouse Brain. <i>Endocrinology</i> , 2017, 158, 1838-1848.	2.8	36
45	Does androgen affect axonal transport of cholera toxin HRP in spinal motoneurons?. <i>Neuroscience Letters</i> , 1991, 126, 199-202.	2.1	35
46	Ciliary neurotrophic factor arrests muscle and motoneuron degeneration in androgen-insensitive rats. <i>Journal of Neurobiology</i> , 1995, 28, 354-362.	3.6	34
47	Deletion of the Bax gene disrupts sexual behavior and modestly impairs motor function in mice. <i>Developmental Neurobiology</i> , 2007, 67, 1511-1519.	3.0	33
48	Sexual Differentiation of Vasopressin Innervation of the Brain: Cell Death Versus Phenotypic Differentiation. <i>Endocrinology</i> , 2008, 149, 4632-4637.	2.8	33
49	Does Gender Leave an Epigenetic Imprint on the Brain?. <i>Frontiers in Neuroscience</i> , 2019, 13, 173.	2.8	33
50	Breeding status affects motoneuron number and muscle size in naked mole-rats: Recruitment of perineal motoneurons?. <i>Journal of Neurobiology</i> , 2006, 66, 1354-1364.	3.6	32
51	Social Structure Predicts Genital Morphology in African Mole-Rats. <i>PLoS ONE</i> , 2009, 4, e7477.	2.5	30
52	Socially regulated reproductive development: Analysis of GnRH $\hat{\pm}$ and kisspeptin neuronal systems in cooperatively breeding naked mole-rats (<i>Heterocephalus glaber</i>). <i>Journal of Comparative Neurology</i> , 2013, 521, 3003-3029.	1.6	30
53	The organizational hypothesis and final common pathways: Sexual differentiation of the spinal cord and peripheral nervous system. <i>Hormones and Behavior</i> , 2009, 55, 605-610.	2.1	29
54	Effects of Neonatal Treatment with Valproic Acid on Vasopressin Immunoreactivity and Olfactory Behaviour in Mice. <i>Journal of Neuroendocrinology</i> , 2011, 23, 906-914.	2.6	27

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55	Distribution of vasopressin in the forebrain of spotted hyenas. <i>Journal of Comparative Neurology</i> , 2006, 498, 80-92.	1.6	26
56	Rapid recovery of body mass after surgical removal of adipose tissue in ground squirrels.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 2270-2272.	7.1	25
57	Effects of <i>Bax</i> gene deletion on social behaviors and neural response to olfactory cues in mice. <i>European Journal of Neuroscience</i> , 2011, 34, 1492-1499.	2.6	25
58	Past, present and future of epigenetics in brain sexual differentiation. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12492.	2.6	25
59	Influence of gonadal sex hormones on behavioral components of the reproductive hierarchy in naked mole-rats. <i>Hormones and Behavior</i> , 2006, 50, 77-84.	2.1	23
60	Minocycline causes widespread cell death and increases microglial labeling in the neonatal mouse brain. <i>Developmental Neurobiology</i> , 2017, 77, 753-766.	3.0	22
61	Testosterone regulates BCL-2 immunoreactivity in a sexually dimorphic motor pool of adult rats. <i>Brain Research</i> , 2002, 950, 312-316.	2.2	21
62	Castration reduces motoneuron soma size but not dendritic length in the spinal nucleus of the bulbocavernosus of wild-type and BCL-2 overexpressing mice. <i>Journal of Neurobiology</i> , 2002, 53, 403-412.	3.6	21
63	Sexual Differentiation of the Brain: A Fresh Look at Mode, Mechanisms, and Meaning. , 2017, , 3-32.		21
64	Neonatal Inhibition of DNA Methylation Disrupts Testosterone-Dependent Masculinization of Neurochemical Phenotype. <i>Endocrinology</i> , 2020, 161, .	2.8	21
65	Social and hormonal triggers of neural plasticity in naked mole-rats. <i>Behavioural Brain Research</i> , 2011, 218, 234-239.	2.2	20
66	Expression and androgen regulation of the ciliary neurotrophic factor receptor (CNTFR?) in muscles and spinal cord. <i>Journal of Neurobiology</i> , 1998, 35, 217-225.	3.6	19
67	Sex differences in NeuN- and androgen receptor-positive cells in the bed nucleus of the stria terminalis are due to Bax-dependent cell death. <i>Neuroscience</i> , 2009, 158, 1251-1256.	2.3	19
68	A sex difference in the hypothalamus of the spotted hyena. <i>Nature Neuroscience</i> , 1999, 2, 943-945.	14.8	18
69	Birth elicits a conserved neuroendocrine response with implications for perinatal osmoregulation and neuronal cell death. <i>Scientific Reports</i> , 2021, 11, 2335.	3.3	18
70	Steroid influences on a mammalian neuromuscular system. <i>Seminars in Neuroscience</i> , 1991, 3, 459-468.	2.2	16
71	Effects of testosterone on the development of a sexually dimorphic neuromuscular system in ciliary neurotrophic factor receptor knockout mice. , 1999, 41, 317-325.		16
72	Social Status and Sex Effects on Neural Morphology in Damaraland Mole-Rats, <i>&lt;i>Fukomys damarensis</i>	1.7	15

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73	The role of cell death in sexually dimorphic muscle development: Male-specific muscles are retained in female <i>bax</i> / <i>bak</i> knockout mice. <i>Developmental Neurobiology</i> , 2008, 68, 1303-1314.	3.0	14
74	Recovery of white adipose tissue after lipectomy in female ground squirrels. <i>Canadian Journal of Zoology</i> , 1986, 64, 128-131.	1.0	13
75	Fat Ablation and Food Restriction Influence Reproductive Development and Hibernation in Ground Squirrels. <i>Biology of Reproduction</i> , 1986, 34, 831-840.	2.7	13
76	Intrauterine position affects motoneuron number and muscle size in a sexually dimorphic neuromuscular system. <i>Brain Research</i> , 1996, 735, 119-124.	2.2	13
77	Ciliary neurotrophic factor increases muscle fiber number in the developing levator ani muscle of female rats. <i>Neuroscience Letters</i> , 2000, 296, 73-76.	2.1	13
78	Cell death and sexual differentiation of behavior: worms, flies, and mammals. <i>Current Opinion in Neurobiology</i> , 2010, 20, 776-783.	4.2	13
79	First Encounters: Effects of the Microbiota on Neonatal Brain Development. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 682505.	3.7	13
80	Lipectomy influences white adipose tissue lipoprotein lipase activity and plasma triglyceride levels in ground squirrels. <i>Metabolism: Clinical and Experimental</i> , 1988, 37, 782-786.	3.4	11
81	Short- and long-term effects of ciliary neurotrophic factor on androgen-sensitive motoneurons in the lumbar spinal cord. , 1996, 31, 263-273.		10
82	Androgen receptor distribution in the social decision-making network of eusocial naked mole-rats. <i>Behavioural Brain Research</i> , 2013, 256, 214-218.	2.2	10
83	Microglial Depletion Causes Region-specific Changes to Developmental Neuronal Cell Death in the Mouse Brain. <i>Developmental Neurobiology</i> , 2019, 79, 769-779.	3.0	10
84	Does Birth Trigger Cell Death in the Developing Brain?. <i>ENeuro</i> , 2020, 7, ENEURO.0517-19.2020.	1.9	9
85	Ontogeny of calcitonin gene-related peptide immunoreactivity in rat lumbar motoneurons: Delayed appearance and sexual dimorphism in the spinal nucleus of the bulbocavernosus. <i>Journal of Comparative Neurology</i> , 1993, 330, 514-520.	1.6	8
86	DNA Methylation and Demethylation Underlie the Sex Difference in Estrogen Receptor Alpha in the Arcuate Nucleus. <i>Neuroendocrinology</i> , 2022, 112, 636-648.	2.5	7
87	Adult Neural Plasticity in Naked Mole-Rats: Implications of Fossoriality, Longevity and Sociality on the Brain's Capacity for Change. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1319, 105-135.	1.6	5
88	Birth triggers an inflammatory response in the neonatal periphery and brain. <i>Brain, Behavior, and Immunity</i> , 2022, , .	4.1	5
89	Expression and androgen regulation of the ciliary neurotrophic factor receptor (CNTFRalpha) in muscles and spinal cord. <i>Journal of Neurobiology</i> , 1998, 35, 217-25.	3.6	4
90	Sexual Differentiation of Brain and Behavior. , 2015, , 2109-2155.		3

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91	Effects of sex and prenatal androgen manipulations on Onuf's nucleus of rhesus macaques. <i>Hormones and Behavior</i> , 2018, 100, 39-46.	2.1	3
92	Cesarean birth elicits long-term effects on vasopressin and oxytocin neurons in the hypothalamic paraventricular nucleus of mice. <i>Hormones and Behavior</i> , 2021, 136, 105080.	2.1	3
93	Sexual dimorphism of perineal muscles and motoneurons in spotted hyenas. , 1996, 375, 333.		1