John Meitzen

List of Publications by Year
in descending order

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48	1,755	236925 25	289244 40
papers	citations	h-index	g-index

48	48	48	1497
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The estrous cycle and 17Î²â€estradiol modulate the electrophysiological properties of rat nucleus accumbens core medium spiny neurons. Journal of Neuroendocrinology, 2022, 34, e13122.	2.6	9
2	Estrogen receptor alpha, Gâ€protein coupled estrogen receptor 1, and aromatase: Developmental, sex, and regionâ€specific differences across the rat caudateâ€“putamen, nucleus accumbens core and shell. Journal of Comparative Neurology, 2021, 529, 786-801.	1.6	26
3	Interactions of the estrous cycle, novelty, and light on female and male rat open field locomotor and anxiety-related behaviors. Physiology and Behavior, 2021, 228, 113203.	2.1	30
4	Perinatal activation of ERÎ± and ERÎ² but not GPER-1 masculinizes female rat caudate-putamen medium spiny neuron electrophysiological properties. Journal of Neurophysiology, 2021, 125, 2322-2338.	1.8	6
5	FireMasterÂ® 550 (FM 550) exposure during the perinatal period impacts partner preference behavior and nucleus accumbens core medium spiny neuron electrophysiology in adult male and female prairie voles, Microtus ochrogaster. Hormones and Behavior, 2021, 134, 105019.	2.1	8
6	The estrous cycle modulates rat caudateâ€“putamen medium spiny neuron physiology. European Journal of Neuroscience, 2020, 52, 2737-2755.	2.6	18
7	Metabotropic glutamate receptor subtype 5 (mGlu5) is necessary for estradiol mitigation of light-induced anxiety behavior in female rats. Physiology and Behavior, 2020, 214, 112770.	2.1	15
8	Differential and synergistic roles of 17Î²-estradiol and progesterone in modulating adult female rat nucleus accumbens core medium spiny neuron electrophysiology. Journal of Neurophysiology, 2020, 123, 2390-2405.	1.8	21
9	Estradiol decreases medium spiny neuron excitability in female rat nucleus accumbens core. Journal of Neurophysiology, 2020, 123, 2465-2475.	1.8	21
10	Sex bias and omission in neuroscience research is influenced by research model and journal, but not reported NIH funding. Frontiers in Neuroendocrinology, 2020, 57, 100835.	5.2	78
11	Temporal and bidirectional influences of estradiol on voluntary wheel running in adult female and male rats. Hormones and Behavior, 2020, 120, 104694.	2.1	20
12	Estradiol rapidly modulates excitatory synapse properties in a sex- and region-specific manner in rat nucleus accumbens core and caudate-putamen. Journal of Neurophysiology, 2019, 122, 1213-1225.	1.8	36
13	Electrophysiological Properties of Medium Spiny Neuron Subtypes in the Caudate-Putamen of Prepubertal Male and FemaleDrd1a-tdTomato Line 6 BAC Transgenic Mice. ENeuro, 2019, 6, ENEURO.0016-19.2019.	1.9	20
14	The expression of select genes necessary for membrane-associated estrogen receptor signaling differ by sex in adult rat hippocampus. Steroids, 2019, 142, 21-27.	1.8	23
15	Sex differences and the effects of estradiol on striatal function. Current Opinion in Behavioral Sciences, 2018, 23, 42-48.	3.9	44
16	Biological Sex, Estradiol and Striatal Medium Spiny Neuron Physiology: A Mini-Review. Frontiers in Cellular Neuroscience, 2018, 12, 492.	3.7	31
17	Palmitoylation of caveolin-1 is regulated by the same DHHC acyltransferases that modify steroid hormone receptors. Journal of Biological Chemistry, 2018, 293, 15901-15911.	3.4	31
18	Nucleus accumbens core medium spiny neuron electrophysiological properties and partner preference behavior in the adult male prairie vole, Microtus ochrogaster. Journal of Neurophysiology, 2018, 119, 1576-1588.	1.8	14

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19	Electrophysiological properties of medium spiny neurons in the nucleus accumbens core of prepubertal male and female Drd1a-tdTomato line 6 BAC transgenic mice. Journal of Neurophysiology, 2018, 120, 1712-1727.	1.8	29
20	Sex Differences in Medium Spiny Neuron Excitability and Glutamatergic Synaptic Input: Heterogeneity Across Striatal Regions and Evidence for Estradiol-Dependent Sexual Differentiation. Frontiers in Endocrinology, 2018, 9, 173.	3.5	41
21	Estrous cycle-induced sex differences in medium spiny neuron excitatory synaptic transmission and intrinsic excitability in adult rat nucleus accumbens core. Journal of Neurophysiology, 2018, 120, 1356-1373.	1.8	56
22	Problems and Progress regarding Sex Bias and Omission in Neuroscience Research. ENeuro, 2017, 4, ENEURO.0278-17.2017.	1.9	121
23	Interviewing Neuroscientists for an Undergraduate Honors Project. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2017, 16, A89-A94.	0.0	0
24	No Evidence for Sex Differences in the Electrophysiological Properties and Excitatory Synaptic Input onto Nucleus Accumbens Shell Medium Spiny Neurons. ENeuro, 2016, 3, ENEURO.0147-15.2016.	1.9	26
25	Neonatal Masculinization Blocks Increased Excitatory Synaptic Input in Female Rat Nucleus Accumbens Core. Endocrinology, 2016, 157, 3181-3196.	2.8	36
26	Genetic sex and the volumes of the caudate-putamen, nucleus accumbens core and shell: original data and a review. Brain Structure and Function, 2016, 221, 4257-4267.	2.3	24
27	Intrinsic excitability varies by sex in prepubertal striatal medium spiny neurons. Journal of Neurophysiology, 2015, 113, 720-729.	1.8	39
28	Using Tinbergen's Four Questions as the Framework for a Neuroscience Capstone Course. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2015, 14, A46-55.	0.0	2
29	Neurobiology of Monotremes. Ken W. S. Ashwell, editor.. Integrative and Comparative Biology, 2014, 54, 87-88.	2.0	0
30	An aerator for brain slice experiments in individual cell culture plate wells. Journal of Neuroscience Methods, 2014, 238, 1-10.	2.5	14
31	Palmitoylation of Estrogen Receptors Is Essential for Neuronal Membrane Signaling. Endocrinology, 2013, 154, 4293-4304.	2.8	80
32	Enhanced Striatal Î²1-Adrenergic Receptor Expression Following Hormone Loss in Adulthood Is Programmed by Both Early Sexual Differentiation and Puberty: A Study of Humans and Rats. Endocrinology, 2013, 154, 1820-1831.	2.8	16
33	The Organizational and Aromatization Hypotheses Apply to Rapid, Nonclassical Hormone Action: Neonatal Masculinization Eliminates Rapid Estradiol Action in Female Hippocampal Neurons. Endocrinology, 2012, 153, 4616-4621.	2.8	35
34	Seasonal Changes in Patterns of Gene Expression in Avian Song Control Brain Regions. PLoS ONE, 2012, 7, e35119.	2.5	43
35	Estrogen receptors stimulate brain region specific metabotropic glutamate receptors to rapidly initiate signal transduction pathways. Journal of Chemical Neuroanatomy, 2011, 42, 236-241.	2.1	113
36	Measurements of neuron soma size and density in rat dorsal striatum, nucleus accumbens core and nucleus accumbens shell: Differences between striatal region and brain hemisphere, but not sex. Neuroscience Letters, 2011, 487, 177-181.	2.1	41

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37	Corticotropin Releasing Factor-Induced CREB Activation in Striatal Neurons Occurs via a Novel GÎ²Î³ Signaling Pathway. PLoS ONE, 2011, 6, e18114.	2.5	25
38	Corticotropin-releasing factor and urocortin I activate CREB through functionally selective GÎ²Î³ signaling in hippocampal pyramidal neurons. European Journal of Neuroscience, 2011, 34, 671-681.	2.6	16
39	Î²1â€Adrenergic receptors activate two distinct signaling pathways in striatal neurons. Journal of Neurochemistry, 2011, 116, 984-995.	3.9	44
40	Plastic and Stable Electrophysiological Properties of Adult Avian Forebrain Song-Control Neurons across Changing Breeding Conditions. Journal of Neuroscience, 2009, 29, 6558-6567.	3.6	61
41	Time course of changes in Gambel's white-crowned sparrow song behavior following transitions in breeding condition. Hormones and Behavior, 2009, 55, 217-227.	2.1	43
42	Seasonal-like growth and regression of the avian song control system: Neural and behavioral plasticity in adult male Gambelâ€™s white-crowned sparrows. General and Comparative Endocrinology, 2008, 157, 259-265.	1.8	30
43	Steroid Hormones Act Transsynaptically within the Forebrain to Regulate Neuronal Phenotype and Song Stereotypy. Journal of Neuroscience, 2007, 27, 12045-12057.	3.6	99
44	Seasonal changes in intrinsic electrophysiological activity of song control neurons in wild song sparrows. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2007, 193, 677-683.	1.6	46
45	Seasonal-like plasticity of spontaneous firing rate in a songbird pre-motor nucleus. Journal of Neurobiology, 2005, 64, 181-191.	3.6	35
46	Differing Roles of Inhibition in Hierarchical Processing of Species-Specific Calls in Auditory Brainstem Nuclei. Journal of Neurophysiology, 2005, 94, 4019-4037.	1.8	49
47	Electrophysiological Properties of Neurons in the Basal Ganglia of the Domestic Chick: Conservation and Divergence in the Evolution of the Avian Basal Ganglia. Journal of Neurophysiology, 2005, 94, 454-467.	1.8	40
48	Response Selectivity for Species-Specific Calls in the Inferior Colliculus of Mexican Free-Tailed Bats is Generated by Inhibition. Journal of Neurophysiology, 2002, 88, 1941-1954.	1.8	100