

John Meitzen

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,755
citations

236925

25
h-index

289244

40
g-index

48
all docs

48
docs citations

48
times ranked

1497
citing authors

#	ARTICLE	IF	CITATIONS
1	Problems and Progress regarding Sex Bias and Omission in Neuroscience Research. <i>ENeuro</i> , 2017, 4, ENEURO.0278-17.2017.	1.9	121
2	Estrogen receptors stimulate brain region specific metabotropic glutamate receptors to rapidly initiate signal transduction pathways. <i>Journal of Chemical Neuroanatomy</i> , 2011, 42, 236-241.	2.1	113
3	Response Selectivity for Species-Specific Calls in the Inferior Colliculus of Mexican Free-Tailed Bats is Generated by Inhibition. <i>Journal of Neurophysiology</i> , 2002, 88, 1941-1954.	1.8	100
4	Steroid Hormones Act Transsynaptically within the Forebrain to Regulate Neuronal Phenotype and Song Stereotypy. <i>Journal of Neuroscience</i> , 2007, 27, 12045-12057.	3.6	99
5	Palmitoylation of Estrogen Receptors Is Essential for Neuronal Membrane Signaling. <i>Endocrinology</i> , 2013, 154, 4293-4304.	2.8	80
6	Sex bias and omission in neuroscience research is influenced by research model and journal, but not reported NIH funding. <i>Frontiers in Neuroendocrinology</i> , 2020, 57, 100835.	5.2	78
7	Plastic and Stable Electrophysiological Properties of Adult Avian Forebrain Song-Control Neurons across Changing Breeding Conditions. <i>Journal of Neuroscience</i> , 2009, 29, 6558-6567.	3.6	61
8	Estrous cycle-induced sex differences in medium spiny neuron excitatory synaptic transmission and intrinsic excitability in adult rat nucleus accumbens core. <i>Journal of Neurophysiology</i> , 2018, 120, 1356-1373.	1.8	56
9	Differing Roles of Inhibition in Hierarchical Processing of Species-Specific Calls in Auditory Brainstem Nuclei. <i>Journal of Neurophysiology</i> , 2005, 94, 4019-4037.	1.8	49
10	Seasonal changes in intrinsic electrophysiological activity of song control neurons in wild song sparrows. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2007, 193, 677-683.	1.6	46
11	Adrenergic receptors activate two distinct signaling pathways in striatal neurons. <i>Journal of Neurochemistry</i> , 2011, 116, 984-995.	3.9	44
12	Sex differences and the effects of estradiol on striatal function. <i>Current Opinion in Behavioral Sciences</i> , 2018, 23, 42-48.	3.9	44
13	Time course of changes in Gambel's white-crowned sparrow song behavior following transitions in breeding condition. <i>Hormones and Behavior</i> , 2009, 55, 217-227.	2.1	43
14	Seasonal Changes in Patterns of Gene Expression in Avian Song Control Brain Regions. <i>PLoS ONE</i> , 2012, 7, e35119.	2.5	43
15	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. <i>Neuroscience Letters</i> , 2011, 487, 177-181.	2.1	41
16	Sex Differences in Medium Spiny Neuron Excitability and Glutamatergic Synaptic Input: Heterogeneity Across Striatal Regions and Evidence for Estradiol-Dependent Sexual Differentiation. <i>Frontiers in Endocrinology</i> , 2018, 9, 173.	3.5	41
17	Electrophysiological Properties of Neurons in the Basal Ganglia of the Domestic Chick: Conservation and Divergence in the Evolution of the Avian Basal Ganglia. <i>Journal of Neurophysiology</i> , 2005, 94, 454-467.	1.8	40
18	Intrinsic excitability varies by sex in prepubertal striatal medium spiny neurons. <i>Journal of Neurophysiology</i> , 2015, 113, 720-729.	1.8	39

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19	Neonatal Masculinization Blocks Increased Excitatory Synaptic Input in Female Rat Nucleus Accumbens Core. <i>Endocrinology</i> , 2016, 157, 3181-3196.	2.8	36
20	Estradiol rapidly modulates excitatory synapse properties in a sex- and region-specific manner in rat nucleus accumbens core and caudate-putamen. <i>Journal of Neurophysiology</i> , 2019, 122, 1213-1225.	1.8	36
21	Seasonal-like plasticity of spontaneous firing rate in a songbird pre-motor nucleus. <i>Journal of Neurobiology</i> , 2005, 64, 181-191.	3.6	35
22	The Organizational and Aromatization Hypotheses Apply to Rapid, Nonclassical Hormone Action: Neonatal Masculinization Eliminates Rapid Estradiol Action in Female Hippocampal Neurons. <i>Endocrinology</i> , 2012, 153, 4616-4621.	2.8	35
23	Biological Sex, Estradiol and Striatal Medium Spiny Neuron Physiology: A Mini-Review. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 492.	3.7	31
24	Palmitoylation of caveolin-1 is regulated by the same DHHC acyltransferases that modify steroid hormone receptors. <i>Journal of Biological Chemistry</i> , 2018, 293, 15901-15911.	3.4	31
25	Seasonal-like growth and regression of the avian song control system: Neural and behavioral plasticity in adult male Gambel's white-crowned sparrows. <i>General and Comparative Endocrinology</i> , 2008, 157, 259-265.	1.8	30
26	Interactions of the estrous cycle, novelty, and light on female and male rat open field locomotor and anxiety-related behaviors. <i>Physiology and Behavior</i> , 2021, 228, 113203.	2.1	30
27	Electrophysiological properties of medium spiny neurons in the nucleus accumbens core of prepubertal male and female <i>Crd1a</i> -tdTomato line 6 BAC transgenic mice. <i>Journal of Neurophysiology</i> , 2018, 120, 1712-1727.	1.8	29
28	No Evidence for Sex Differences in the Electrophysiological Properties and Excitatory Synaptic Input onto Nucleus Accumbens Shell Medium Spiny Neurons. <i>ENeuro</i> , 2016, 3, ENEURO.0147-15.2016.	1.9	26
29	Estrogen receptor alpha, β -protein coupled estrogen receptor 1, and aromatase: Developmental, sex, and region-specific differences across the rat caudate-putamen, nucleus accumbens core and shell. <i>Journal of Comparative Neurology</i> , 2021, 529, 786-801.	1.6	26
30	Corticotropin Releasing Factor-Induced CREB Activation in Striatal Neurons Occurs via a Novel $G_{i2/3}$ Signaling Pathway. <i>PLoS ONE</i> , 2011, 6, e18114.	2.5	25
31	Genetic sex and the volumes of the caudate-putamen, nucleus accumbens core and shell: original data and a review. <i>Brain Structure and Function</i> , 2016, 221, 4257-4267.	2.3	24
32	The expression of select genes necessary for membrane-associated estrogen receptor signaling differ by sex in adult rat hippocampus. <i>Steroids</i> , 2019, 142, 21-27.	1.8	23
33	Differential and synergistic roles of 17β -estradiol and progesterone in modulating adult female rat nucleus accumbens core medium spiny neuron electrophysiology. <i>Journal of Neurophysiology</i> , 2020, 123, 2390-2405.	1.8	21
34	Estradiol decreases medium spiny neuron excitability in female rat nucleus accumbens core. <i>Journal of Neurophysiology</i> , 2020, 123, 2465-2475.	1.8	21
35	Electrophysiological Properties of Medium Spiny Neuron Subtypes in the Caudate-Putamen of Prepubertal Male and Female <i>Crd1a</i> -tdTomato Line 6 BAC Transgenic Mice. <i>ENeuro</i> , 2019, 6, ENEURO.0016-19.2019.	1.9	20
36	Temporal and bidirectional influences of estradiol on voluntary wheel running in adult female and male rats. <i>Hormones and Behavior</i> , 2020, 120, 104694.	2.1	20

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37	The estrous cycle modulates rat caudateâ€“putamen medium spiny neuron physiology. <i>European Journal of Neuroscience</i> , 2020, 52, 2737-2755.	2.6	18
38	Corticotropin-releasing factor and urocortin I activate CREB through functionally selective GÎ²Î³ signaling in hippocampal pyramidal neurons. <i>European Journal of Neuroscience</i> , 2011, 34, 671-681.	2.6	16
39	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. <i>Endocrinology</i> , 2013, 154, 1820-1831.	2.8	16
40	Metabotropic glutamate receptor subtype 5 (mGlu5) is necessary for estradiol mitigation of light-induced anxiety behavior in female rats. <i>Physiology and Behavior</i> , 2020, 214, 112770.	2.1	15
41	An aerator for brain slice experiments in individual cell culture plate wells. <i>Journal of Neuroscience Methods</i> , 2014, 238, 1-10.	2.5	14
42	Nucleus accumbens core medium spiny neuron electrophysiological properties and partner preference behavior in the adult male prairie vole, <i>Microtus ochrogaster</i> . <i>Journal of Neurophysiology</i> , 2018, 119, 1576-1588.	1.8	14
43	The estrous cycle and 17Î²â€“estradiol modulate the electrophysiological properties of rat nucleus accumbens core medium spiny neurons. <i>Journal of Neuroendocrinology</i> , 2022, 34, e13122.	2.6	9
44	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, <i>Microtus ochrogaster</i> . <i>Hormones and Behavior</i> , 2021, 134, 105019.	2.1	8
45	Perinatal activation of ERÎ± and ERÎ² but not GPER-1 masculinizes female rat caudate-putamen medium spiny neuron electrophysiological properties. <i>Journal of Neurophysiology</i> , 2021, 125, 2322-2338.	1.8	6
46	Using Tinbergen's Four Questions as the Framework for a Neuroscience Capstone Course. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2015, 14, A46-55.	0.0	2
47	Neurobiology of Monotremes. Ken W. S. Ashwell, editor.. <i>Integrative and Comparative Biology</i> , 2014, 54, 87-88.	2.0	0
48	Interviewing Neuroscientists for an Undergraduate Honors Project. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2017, 16, A89-A94.	0.0	0