

# John Meitzen

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,755  
citations

236833

25  
h-index

289141

40  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1497  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The estrous cycle and 17 $\beta$ -estradiol modulate the electrophysiological properties of rat nucleus accumbens core medium spiny neurons. <i>Journal of Neuroendocrinology</i> , 2022, 34, e13122.  | 1.2 | 9         |
| 2  | Estrogen receptor alpha, G $\alpha$ 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.                            | 0.9 | 26        |
| 3  | 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.   | 1.0 | 30        |
| 4  | Perinatal activation of ER $\alpha$ and ER $\beta$ but not GPER-1 masculinizes female rat caudate-putamen medium spiny neuron electrophysiological properties. <i>Journal of Neurophysiology</i> , 2021, 125, 2322-2338.   | 0.9 | 6         |
| 5  | FireMaster <sup>®</sup> 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. | 1.0 | 8         |
| 6  | The estrous cycle modulates rat caudate-putamen medium spiny neuron physiology. <i>European Journal of Neuroscience</i> , 2020, 52, 2737-2755.   | 1.2 | 18        |
| 7  | 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.  | 1.0 | 15        |
| 8  | Differential and synergistic roles of 17 $\beta$ -estradiol and progesterone in modulating adult female rat nucleus accumbens core medium spiny neuron electrophysiology. <i>Journal of Neurophysiology</i> , 2020, 123, 2390-2405.  | 0.9 | 21        |
| 9  | Estradiol decreases medium spiny neuron excitability in female rat nucleus accumbens core. <i>Journal of Neurophysiology</i> , 2020, 123, 2465-2475.   | 0.9 | 21        |
| 10 | 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.   | 2.5 | 78        |
| 11 | Temporal and bidirectional influences of estradiol on voluntary wheel running in adult female and male rats. <i>Hormones and Behavior</i> , 2020, 120, 104694.   | 1.0 | 20        |
| 12 | 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.  | 0.9 | 36        |
| 13 | Electrophysiological Properties of Medium Spiny Neuron Subtypes in the Caudate-Putamen of Prepubertal Male and Female <i>Drd1a</i> -tdTomato Line 6 BAC Transgenic Mice. <i>ENeuro</i> , 2019, 6, ENEURO.0016-19.2019.   | 0.9 | 20        |
| 14 | 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.   | 0.8 | 23        |
| 15 | Sex differences and the effects of estradiol on striatal function. <i>Current Opinion in Behavioral Sciences</i> , 2018, 23, 42-48.  | 2.0 | 44        |
| 16 | Biological Sex, Estradiol and Striatal Medium Spiny Neuron Physiology: A Mini-Review. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 492.   | 1.8 | 31        |
| 17 | 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.  | 1.6 | 31        |
| 18 | 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.   | 0.9 | 14        |

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|----|---|-----|-----------|
| 19 | Electrophysiological properties of medium spiny neurons in the nucleus accumbens core of prepubertal male and female <i>Drd1a</i> -tdTomato line 6 BAC transgenic mice. <i>Journal of Neurophysiology</i> , 2018, 120, 1712-1727.                 | 0.9 | 29        |
| 20 | 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.        | 1.5 | 41        |
| 21 | 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.                           | 0.9 | 56        |
| 22 | Problems and Progress regarding Sex Bias and Omission in Neuroscience Research. <i>ENeuro</i> , 2017, 4, ENEURO.0278-17.2017.   | 0.9 | 121       |
| 23 | 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.                                 | 0.6 | 0         |
| 24 | 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.   | 0.9 | 26        |
| 25 | Neonatal Masculinization Blocks Increased Excitatory Synaptic Input in Female Rat Nucleus Accumbens Core. <i>Endocrinology</i> , 2016, 157, 3181-3196.  | 1.4 | 36        |
| 26 | 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.   | 1.2 | 24        |
| 27 | Intrinsic excitability varies by sex in prepubertal striatal medium spiny neurons. <i>Journal of Neurophysiology</i> , 2015, 113, 720-729.  | 0.9 | 39        |
| 28 | 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.              | 0.6 | 2         |
| 29 | Neurobiology of Monotremes. Ken W. S. Ashwell, editor.. <i>Integrative and Comparative Biology</i> , 2014, 54, 87-88.   | 0.9 | 0         |
| 30 | An aerator for brain slice experiments in individual cell culture plate wells. <i>Journal of Neuroscience Methods</i> , 2014, 238, 1-10.  | 1.3 | 14        |
| 31 | Palmitoylation of Estrogen Receptors Is Essential for Neuronal Membrane Signaling. <i>Endocrinology</i> , 2013, 154, 4293-4304.   | 1.4 | 80        |
| 32 | Enhanced Striatal $\beta$ 1-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.           | 1.4 | 16        |
| 33 | 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.               | 1.4 | 35        |
| 34 | Seasonal Changes in Patterns of Gene Expression in Avian Song Control Brain Regions. <i>PLoS ONE</i> , 2012, 7, e35119.   | 1.1 | 43        |
| 35 | 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.  | 1.0 | 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. <i>Neuroscience Letters</i> , 2011, 487, 177-181. | 1.0 | 41        |

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|----|--|-----|-----------|
| 37 | Corticotropin Releasing Factor-Induced CREB Activation in Striatal Neurons Occurs via a Novel G $\hat{2}$ $\hat{3}$ Signaling Pathway. PLoS ONE, 2011, 6, e18114.  | 1.1 | 25        |
| 38 | Corticotropin-releasing factor and urocortin I activate CREB through functionally selective G $\hat{2}$ $\hat{3}$ signaling in hippocampal pyramidal neurons. European Journal of Neuroscience, 2011, 34, 671-681.             | 1.2 | 16        |
| 39 | $\hat{2}$ 1 $\hat{1}$ Adrenergic receptors activate two distinct signaling pathways in striatal neurons. Journal of Neurochemistry, 2011, 116, 984-995.  | 2.1 | 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.  | 1.7 | 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.  | 1.0 | 43        |
| 42 | Seasonal-like growth and regression of the avian song control system: Neural and behavioral plasticity in adult male Gambel's white-crowned sparrows. General and Comparative Endocrinology, 2008, 157, 259-265.               | 0.8 | 30        |
| 43 | Steroid Hormones Act Transsynaptically within the Forebrain to Regulate Neuronal Phenotype and Song Stereotypy. Journal of Neuroscience, 2007, 27, 12045-12057.  | 1.7 | 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. | 0.7 | 46        |
| 45 | Seasonal-like plasticity of spontaneous firing rate in a songbird pre-motor nucleus. Journal of Neurobiology, 2005, 64, 181-191.   | 3.7 | 35        |
| 46 | Differing Roles of Inhibition in Hierarchical Processing of Species-Specific Calls in Auditory Brainstem Nuclei. Journal of Neurophysiology, 2005, 94, 4019-4037.  | 0.9 | 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.                 | 0.9 | 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.  | 0.9 | 100       |