

# Catherine A Christian

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,465  
citations

567281

15  
h-index

345221

36  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1487  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | The Neurobiology of Preovulatory and Estradiol-Induced Gonadotropin-Releasing Hormone Surges. <i>Endocrine Reviews</i> , 2010, 31, 544-577.   | 20.1 | 244       |
| 2  | Diurnal and estradiol-dependent changes in gonadotropin-releasing hormone neuron firing activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15682-15687.        | 7.1  | 186       |
| 3  | Estradiol Induces Diurnal Shifts in GABA Transmission to Gonadotropin-Releasing Hormone Neurons to Provide a Neural Signal for Ovulation. <i>Journal of Neuroscience</i> , 2007, 27, 1913-1921.                           | 3.6  | 115       |
| 4  | Regulation of Thalamic and Cortical Network Synchrony by Scn8a. <i>Neuron</i> , 2017, 93, 1165-1179.e6.   | 8.1  | 93        |
| 5  | Vasoactive Intestinal Polypeptide Can Excite Gonadotropin-Releasing Hormone Neurons in a Manner Dependent on Estradiol and Gated by Time of Day. <i>Endocrinology</i> , 2008, 149, 3130-3136.                             | 2.8  | 85        |
| 6  | Endogenous Positive Allosteric Modulation of GABA <sub>A</sub> Receptors by Diazepam binding inhibitor. <i>Neuron</i> , 2013, 78, 1063-1074.  | 8.1  | 79        |
| 7  | Classical Estrogen Receptor $\alpha$ Signaling Mediates Negative and Positive Feedback on Gonadotropin-Releasing Hormone Neuron Firing. <i>Endocrinology</i> , 2008, 149, 5328-5334.                                      | 2.8  | 72        |
| 8  | Neurobiological Mechanisms Underlying Oestradiol Negative and Positive Feedback Regulation of Gonadotrophin-Releasing Hormone Neurons. <i>Journal of Neuroendocrinology</i> , 2009, 21, 327-333.                          | 2.6  | 66        |
| 9  | Focal Cortical Infarcts Alter Intrinsic Excitability and Synaptic Excitation in the Reticular Thalamic Nucleus. <i>Journal of Neuroscience</i> , 2010, 30, 5465-5479.   | 3.6  | 65        |
| 10 | Sex Differences in the Epilepsies and Associated Comorbidities: Implications for Use and Development of Pharmacotherapies. <i>Pharmacological Reviews</i> , 2020, 72, 767-800.  | 16.0 | 58        |
| 11 | Estradiol Suppresses Glutamatergic Transmission to Gonadotropin-Releasing Hormone Neurons in a Model of Negative Feedback in Mice <sup>1</sup> . <i>Biology of Reproduction</i> , 2009, 80, 1128-1135.                    | 2.7  | 51        |
| 12 | Astrocytes potentiate GABAergic transmission in the thalamic reticular nucleus via endozepine signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20278-20283. | 7.1  | 51        |
| 13 | Critical Roles for Fast Synaptic Transmission in Mediating Estradiol Negative and Positive Feedback in the Neural Control of Ovulation. <i>Endocrinology</i> , 2008, 149, 5500-5508.                                      | 2.8  | 34        |
| 14 | Disrupted female estrous cyclicity in the intrahippocampal kainic acid mouse model of temporal lobe epilepsy. <i>Epilepsia Open</i> , 2017, 2, 39-47.   | 2.4  | 33        |
| 15 | Feedback modulation of neural network synchrony and seizure susceptibility by Mdm2-p53-Nedd4-2 signaling. <i>Molecular Brain</i> , 2016, 9, 32.   | 2.6  | 28        |
| 16 | Seizure burden fluctuates with the female reproductive cycle in a mouse model of chronic temporal lobe epilepsy. <i>Experimental Neurology</i> , 2020, 334, 113492.   | 4.1  | 26        |
| 17 | Dynamic and Sex-Specific Changes in Gonadotropin-Releasing Hormone Neuron Activity and Excitability in a Mouse Model of Temporal Lobe Epilepsy. <i>ENeuro</i> , 2018, 5, ENEURO.0273-18.2018.                             | 1.9  | 22        |
| 18 | From benzodiazepines to fatty acids and beyond: revisiting the role of ACBP/DBI. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 890-903.   | 7.1  | 17        |

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|----|--|-----|-----------|
| 19 | Estrous Cycle Monitoring in Mice with Rapid Data Visualization and Analysis. <i>Bio-protocol</i> , 2019, 9, .  | 0.4 | 16        |
| 20 | Genetic loss of diazepam binding inhibitor in mice impairs social interest. <i>Genes, Brain and Behavior</i> , 2018, 17, e12442.   | 2.2 | 15        |
| 21 | Differential impacts on multiple forms of spatial and contextual memory in diazepam binding inhibitor knockout mice. <i>Journal of Neuroscience Research</i> , 2019, 97, 683-697.  | 2.9 | 12        |
| 22 | Changes in Both Neuron Intrinsic Properties and Neurotransmission Are Needed to Drive the Increase in GnRH Neuron Firing Rate during Estradiol-Positive Feedback. <i>Journal of Neuroscience</i> , 2019, 39, 2091-2101.                                  | 3.6 | 12        |
| 23 | Spontaneous seizure and memory loss in mice expressing an epileptic encephalopathy variant in the calmodulin-binding domain of K <sub>v</sub> 7.2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 12        |
| 24 | Subregion-Specific Impacts of Genetic Loss of Diazepam Binding Inhibitor on Synaptic Inhibition in the Murine Hippocampus. <i>Neuroscience</i> , 2018, 388, 128-138.   | 2.3 | 11        |
| 25 | Phenotypic differences based on lateralization of intrahippocampal kainic acid injection in female mice. <i>Experimental Neurology</i> , 2022, 355, 114118.  | 4.1 | 10        |
| 26 | THREE DAYS OF NOVEL WHEEL ACCESS DIMINISHES LIGHT-INDUCED PHASE DELAYS IN VIVO WITH NO EFFECT ON PER1 INDUCTION BY LIGHT. <i>Chronobiology International</i> , 2002, 19, 671-682.  | 2.0 | 8         |
| 27 | Simultaneous two-photon activation and imaging of neural activity based on spectral-temporal modulation of supercontinuum light. <i>Neurophotonics</i> , 2020, 7, 045007.  | 3.3 | 7         |
| 28 | Epilepsy-associated increase in gonadotropin-releasing hormone neuron firing in diestrous female mice is independent of chronic seizure burden severity. <i>Epilepsy Research</i> , 2022, 184, 106948.   | 1.6 | 7         |
| 29 | Infantile spasms-linked Nedd4 <sup>2</sup> mediates hippocampal plasticity and learning via cofilin signaling. <i>EMBO Reports</i> , 2021, 22, e52645.   | 4.5 | 6         |
| 30 | Pharmacological inhibition of striatal-enriched protein tyrosine Phosphatase by TC-153 reduces hippocampal excitability and seizure propensity. <i>Epilepsia</i> , 2022, 63, 1211-1224.  | 5.1 | 4         |
| 31 | Sniffer patch laser uncaging response (SPLURgE): an assay of regional differences in allosteric receptor modulation and neurotransmitter clearance. <i>Journal of Neurophysiology</i> , 2013, 110, 1722-1731.  | 1.8 | 3         |
| 32 | Developmental Inflammation Takes a Toll: Early Immune Responses Increase Seizure Susceptibility via Astrocytic TLR4 Signaling. <i>Epilepsy Currents</i> , 2017, 17, 370-371.   | 0.8 | 3         |
| 33 | A Nose for Seizures: A Potential Role for Olfaction in the Co-Morbidity of Depression and Epilepsy?. <i>Epilepsy Currents</i> , 2016, 16, 256-257.   | 0.8 | 2         |
| 34 | Persistent Protection against Pathology and Paroxysms by P2X7R Antagonism. <i>Epilepsy Currents</i> , 2018, 18, 42-44.   | 0.8 | 2         |
| 35 | The Perils of Generalizing about GABA in Seizure Generalization. <i>Epilepsy Currents</i> , 2018, 18, 113-114.   | 0.8 | 1         |
| 36 | Assessing the Vexin Connexin Between Severity of Epilepsy and Hippocampal Gliosis. <i>Epilepsy Currents</i> , 2020, 20, 294-296.   | 0.8 | 1         |

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|----|--|-----|-----------|
| 37 | Is On-Demand Dynorphin Destined to Be in Demand to Decrease Seizures?. <i>Epilepsy Currents</i> , 2021, 21, 48-50.                                       | 0.8 | 1         |
| 38 | A Single Test to Study Social Behavior and Repetitive Self-grooming in Mice. <i>Bio-protocol</i> , 2020, 10, .   | 0.4 | 1         |
| 39 | Seizure Activity and Intervention Efficacy Are Shaped by REMnants of Preceding Brain States. <i>Epilepsy Currents</i> , 2016, 16, 164-165.               | 0.8 | 0         |
| 40 | Neurophysiology of Gonadotropin-Releasing Hormone Neurons. , 2017, , 379-400.  |     | 0         |
| 41 | Mom Genes: A Role for Loss of Maternal Ube3a in GABAergic Neurons in Angelman Syndrome. <i>Epilepsy Currents</i> , 2017, 17, 237-238.                    | 0.8 | 0         |
| 42 | Inhibition Gets a New KAR Smell. <i>Epilepsy Currents</i> , 2019, 19, 187-189.   | 0.8 | 0         |
| 43 | Show Me the Meaning of Being Lonely (and Its Effects on Seizure Burden and Comorbidities). <i>Epilepsy Currents</i> , 2020, 20, 48-50.                   | 0.8 | 0         |
| 44 | Nucleus-specific modulation of phasic and tonic inhibition by endogenous neurosteroidogenesis in the murine thalamus. <i>Synapse</i> , 2020, 74, e22144. | 1.2 | 0         |