# William E Armstrong

List of Publications by Year
in descending order



| 28 | 804 | 623734 | 580821 |
|---|---|---|---|
| papers | citations | 14 h-index | 25 g-index |

| 28 | 28 | 28 | 539 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Kv2.1 Potassium Channels Regulate Repetitive Burst Firing in Extratelencephalic Neocortical Pyramidal Neurons. Cerebral Cortex, 2022, 32, 1055-1076. | 2.9 | 11 |
| 2 | Advances in the neurophysiology of magnocellular neuroendocrine cells. Journal of Neuroendocrinology, 2020, 32, e12826. | 2.6 | 17 |
| 3 | Electrophysiological properties of identified oxytocin and vasopressin neurones. Journal of Neuroendocrinology, 2019, 31, e12666. | 2.6 | 16 |
| 4 | Specificity in the interaction of high-voltage-activated Ca<sup>2+</sup> channel types with Ca<sup>2+</sup>-dependent afterhyperpolarizations in magnocellular supraoptic neurons. Journal of Neurophysiology, 2018, 120, 1728-1739. | 1.8 | 4 |
| 5 | Changes in potassium channel modulation may underlie afterhyperpolarization plasticity in oxytocin neurons during late pregnancy. Journal of Neurophysiology, 2018, 119, 1745-1752. | 1.8 | 5 |
| 6 | Phosphatidylinositol 4,5â€bisphosphate (PIP<sub>2</sub>) modulates afterhyperpolarizations in oxytocin neurons of the supraoptic nucleus. Journal of Physiology, 2017, 595, 4927-4946. | 2.9 | 11 |
| 7 | The Cell Biology of Oxytocin and Vasopressin Cells. , 2017, , 305-336. | | 6 |
| 8 | Electrophysiological properties of genetically identified subtypes of layer 5 neocortical pyramidal neurons: Ca<sup>2+</sup> dependence and differential modulation by norepinephrine. Journal of Neurophysiology, 2015, 113, 2014-2032. | 1.8 | 37 |
| 9 | Characteristics of GABAergic and cholinergic neurons in perinuclear zone of mouse supraoptic nucleus. Journal of Neurophysiology, 2015, 113, 754-767. | 1.8 | 10 |
| 10 | Central Nervous System Control of Oxytocin Secretion during Lactation. , 2015, , 527-563. | | 8 |
| 11 | Activation of lateral hypothalamus-projecting parabrachial neurons by intraorally delivered gustatory stimuli. Frontiers in Neural Circuits, 2014, 8, 86. | 2.8 | 16 |
| 12 | Variation in sodium current amplitude between vasopressin and oxytocin hypothalamic supraoptic neurons. Journal of Neurophysiology, 2013, 109, 1017-1024. | 1.8 | 4 |
| 13 | Epithelial Na<sup>+</sup> sodium channels in magnocellular cells of the rat supraoptic and paraventricular nuclei. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E273-E285. | 3.5 | 45 |
| 14 | Calcium-Dependent Fast Depolarizing Afterpotentials in Vasopressin Neurons in the Rat Supraoptic Nucleus. Journal of Neurophysiology, 2007, 98, 2612-2621. | 1.8 | 42 |
| 15 | Differences in spike train variability in rat vasopressin and oxytocin neurons and their relationship to synaptic activity. Journal of Physiology, 2007, 581, 221-240. | 2.9 | 41 |
| 16 | The neurophysiology of neurosecretory cells. Journal of Physiology, 2007, 585, 645-647. | 2.9 | 15 |
| 17 | Enhancement of calcium-dependent afterpotentials in oxytocin neurons of the rat supraoptic nucleus during lactation. Journal of Physiology, 2005, 566, 505-518. | 2.9 | 46 |
| 18 | Immunocytochemical localization of small-conductance, calcium-dependent potassium channels in astrocytes of the rat supraoptic nucleus. Journal of Comparative Neurology, 2005, 491, 175-185. | 1.6 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | High-Threshold, Kv3-Like Potassium Currents in Magnocellular Neurosecretory Neurons and Their Role in Spike Repolarization. Journal of Neurophysiology, 2004, 92, 3043-3055. | 1.8 | 27 |
| 20 | Plasticity in the electrophysiological properties of oxytocin neurons. Microscopy Research and Technique, 2002, 56, 73-80. | 2.2 | 12 |
| 21 | Enhanced neurotransmitter release at glutamatergic synapses on oxytocin neurones during lactation in the rat. Journal of Physiology, 2000, 526, 109-114. | 2.9 | 62 |
| 22 | Differences in the Properties of Ionotropic Glutamate Synaptic Currents in Oxytocin and Vasopressin Neuroendocrine Neurons. Journal of Neuroscience, 1999, 19, 3367-3375. | 3.6 | 61 |
| 23 | Electrophysiological and Morphological Characteristics of Neurons in Perinuclear Zone of Supraoptic Nucleus. Journal of Neurophysiology, 1997, 78, 2427-2437. | 1.8 | 35 |
| 24 | Changes in the Electrical Properties of Supraoptic Nucleus Oxytocin and Vasopressin Neurons during Lactation. Journal of Neuroscience, 1996, 16, 4861-4871. | 3.6 | 92 |
| 25 | Electron microscopic analysis of synaptic inputs from the median preoptic nucleus and adjacent regions to the supraoptic nucleus in the rat. , 1996, 373, 228-239. | | 35 |
| 26 | Electron microscopic analysis of synaptic inputs from the median preoptic nucleus and adjacent regions to the supraoptic nucleus in the rat. Journal of Comparative Neurology, 1996, 373, 228-239. | 1.6 | 1 |
| 27 | Quantitative Comparisons Between the Electrical Activity of Supraoptic Neurons and Vasopressin Release in vitro. Journal of Neuroendocrinology, 1989, 1, 215-226. | 2.6 | 3 |
| 28 | Spontaneous and osmotically-stimulated activity in slices of rat hypothalamus. Brain Research Bulletin, 1978, 3, 497-508. | 3.0 | 101 |