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	Spontaneous and osmotically-stimulated activity in slices of rat hypothalamus. Brain Research Bulletin, 1978, 3, 497-508.	3.0	101
2	Changes in the Electrical Properties of Supraoptic Nucleus Oxytocin and Vasopressin Neurons during Lactation. Journal of Neuroscience, 1996, 16, 4861-4871.	3.6	92
3	Enhanced neurotransmitter release at glutamatergic synapses on oxytocin neurones during lactation in the rat. Journal of Physiology, 2000, 526, 109-114.	2.9	62
4	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
5	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
6	Epithelial Na⁺ 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
7	Calcium-Dependent Fast Depolarizing Afterpotentials in Vasopressin Neurons in the Rat Supraoptic Nucleus. Journal of Neurophysiology, 2007, 98, 2612-2621.	1.8	42
8	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
9	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
10	Electrophysiological properties of genetically identified subtypes of layer 5 neocortical pyramidal neurons: Ca²⁺ dependence and differential modulation by norepinephrine. Journal of Neurophysiology, 2015, 113, 2014-2032.	1.8	37
11	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
12	Electrophysiological and Morphological Characteristics of Neurons in Perinuclear Zone of Supraoptic Nucleus. Journal of Neurophysiology, 1997, 78, 2427-2437.	1.8	35
13	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
14	Advances in the neurophysiology of magnocellular neuroendocrine cells. Journal of Neuroendocrinology, 2020, 32, e12826.	2.6	17
15	Activation of lateral hypothalamus-projecting parabrachial neurons by intraorally delivered gustatory stimuli. Frontiers in Neural Circuits, 2014, 8, 86.	2.8	16
16	Electrophysiological properties of identified oxytocin and vasopressin neurones. Journal of Neuroendocrinology, 2019, 31, e12666.	2.6	16
17	The neurophysiology of neurosecretory cells. Journal of Physiology, 2007, 585, 645-647.	2.9	15
18	Plasticity in the electrophysiological properties of oxytocin neurons. Microscopy Research and Technique, 2002, 56, 73-80.	2.2	12

#	Article	IF	Citations
19	Phosphatidylinositol 4,5â€bisphosphate (PIP₂) modulates afterhyperpolarizations in oxytocin neurons of the supraoptic nucleus. Journal of Physiology, 2017, 595, 4927-4946.	2.9	11
20	Kv2.1 Potassium Channels Regulate Repetitive Burst Firing in Extratelencephalic Neocortical Pyramidal Neurons. Cerebral Cortex, 2022, 32, 1055-1076.	2.9	11
21	Characteristics of GABAergic and cholinergic neurons in perinuclear zone of mouse supraoptic nucleus. Journal of Neurophysiology, 2015, 113, 754-767.	1.8	10
22	Central Nervous System Control of Oxytocin Secretion during Lactation. , 2015, , 527-563.		8
23	The Cell Biology of Oxytocin and Vasopressin Cells. , 2017, , 305-336.		6
24	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
25	Variation in sodium current amplitude between vasopressin and oxytocin hypothalamic supraoptic neurons. Journal of Neurophysiology, 2013, 109, 1017-1024.	1.8	4
26	Specificity in the interaction of high-voltage-activated Ca²⁺ channel types with Ca²⁺-dependent afterhyperpolarizations in magnocellular supraoptic neurons. Journal of Neurophysiology, 2018, 120, 1728-1739.	1.8	4
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	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