

William D Atchison

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

855
citations

15
h-index

29
g-index

32
ext. papers

925
ext. citations

4.8
avg, IF

4.22
L-index

#	Paper	IF	Citations
31	Mechanisms of methylmercury-induced neurotoxicity. <i>FASEB Journal</i> , 1994 , 8, 622-9	0.9	242
30	The role of environmental mercury, lead and pesticide exposure in development of amyotrophic lateral sclerosis. <i>NeuroToxicology</i> , 2009 , 30, 761-5	4.4	119
29	Effects of toxic environmental contaminants on voltage-gated calcium channel function: from past to present. <i>Journal of Bioenergetics and Biomembranes</i> , 2003 , 35, 507-32	3.7	56
28	Is chemical neurotransmission altered specifically during methylmercury-induced cerebellar dysfunction?. <i>Trends in Pharmacological Sciences</i> , 2005 , 26, 549-57	13.2	42
27	Nerve membrane sodium channels as the target site of brevetoxins at neuromuscular junctions. <i>British Journal of Pharmacology</i> , 1986 , 89, 731-8	8.6	35
26	Ca ²⁺ channels as targets of neurological disease: Lambert-Eaton Syndrome and other Ca ²⁺ channelopathies. <i>Journal of Bioenergetics and Biomembranes</i> , 2003 , 35, 697-718	3.7	32
25	Methylmercury differentially affects GABA(A) receptor-mediated spontaneous IPSCs in Purkinje and granule cells of rat cerebellar slices. <i>Journal of Physiology</i> , 2003 , 550, 191-204	3.9	31
24	Comparative sensitivity of rat cerebellar neurons to dysregulation of divalent cation homeostasis and cytotoxicity caused by methylmercury. <i>Toxicology and Applied Pharmacology</i> , 2005 , 208, 222-32	4.6	27
23	Methylmercury-induced elevations in intrasynaptosomal zinc concentrations: an 19F-NMR study. <i>Journal of Neurochemistry</i> , 1994 , 63, 383-6	6	24
22	Passive transfer of Lambert-Eaton syndrome to mice induces dihydropyridine sensitivity of neuromuscular transmission. <i>Journal of Physiology</i> , 2002 , 543, 567-76	3.9	24
21	Methylmercury impairs canonical dopamine metabolism in rat undifferentiated pheochromocytoma (PC12) cells by indirect inhibition of aldehyde dehydrogenase. <i>Toxicological Sciences</i> , 2015 , 144, 347-56	4.4	22
20	Allethrin differentially modulates voltage-gated calcium channel subtypes in rat PC12 cells. <i>Toxicological Sciences</i> , 2010 , 116, 604-13	4.4	22
19	Continuous exposure to low concentrations of methylmercury impairs cerebellar granule cell migration in organotypic slice culture. <i>NeuroToxicology</i> , 2009 , 30, 203-8	4.4	22
18	Inwardly rectifying and voltage-gated outward potassium channels exhibit low sensitivity to methylmercury. <i>NeuroToxicology</i> , 2005 , 26, 439-54	4.4	22
17	The NR2B subunit in NMDA receptors is functionally important during cerebellar granule cell migration. <i>Neuroscience Letters</i> , 2007 , 429, 87-90	3.3	18
16	Fluid flow-induced increase in inward Ba ²⁺ current expressed in HEK293 cells transiently transfected with human neuronal L-type Ca ²⁺ channels. <i>Brain Research</i> , 2005 , 1045, 116-23	3.7	14
15	Differentiation between alterations in plasma and mitochondrial membrane potentials in synaptosomes using a carbocyanine dye. <i>Journal of Neurochemistry</i> , 1992 , 58, 1321-9	6	13

14	The proteins synaptotagmin and syntaxin are not general targets of Lambert-Eaton myasthenic syndrome autoantibody. <i>Journal of Neurochemistry</i> , 1995 , 64, 1245-51	6	12
13	Endplate blocking actions of lophotoxin. <i>British Journal of Pharmacology</i> , 1984 , 82, 667-72	8.6	11
12	Evaluating a Gene-Environment Interaction in Amyotrophic Lateral Sclerosis: Methylmercury Exposure and Mutated SOD1. <i>Current Environmental Health Reports</i> , 2017 , 4, 200-207	6.5	9
11	Lambert-Eaton syndrome antibodies target multiple subunits of voltage-gated Ca ²⁺ channels. <i>Muscle and Nerve</i> , 2015 , 51, 176-84	3.4	9
10	Effects of methylmercury on spinal cord afferents and efferents-A review. <i>NeuroToxicology</i> , 2017 , 60, 308-320	4.4	8
9	Multiple Sources of Ca ²⁺ Contribute to Methylmercury-Induced Increased Frequency of Spontaneous Inhibitory Synaptic Responses in Cerebellar Slices of Rat. <i>Toxicological Sciences</i> , 2016 , 150, 117-30	4.4	8
8	Methylmercury-Dependent Increases in Fluo4 Fluorescence in Neonatal Rat Cerebellar Slices Depend on Granule Cell Migrational Stage and GABA _A Receptor Modulation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 356, 2-12	4.7	8
7	Morphometric characterization of the neuromuscular junction of rodents intoxicated with 2,4-dithiobiuret: evidence that nerve terminal recycling processes contribute to muscle weakness. <i>Toxicology and Applied Pharmacology</i> , 2004 , 196, 266-86	4.6	8
6	Age-dependent contribution of P/Q- and R-type Ca ²⁺ channels to neuromuscular transmission in lethargic mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015 , 352, 395-404	4.7	5
5	Acute neurotoxicant exposure induces hyperexcitability in mouse lumbar spinal motor neurons. <i>Journal of Neurophysiology</i> , 2020 , 123, 1448-1459	3.2	5
4	AMPA receptor contribution to methylmercury-mediated alteration of intracellular Ca concentration in human induced pluripotent stem cell motor neurons. <i>NeuroToxicology</i> , 2020 , 81, 116-126	4.4	3
3	Methylmercury induces an initial increase in GABA-evoked currents in <i>Xenopus</i> oocytes expressing α and β subunit-containing GABA receptors. <i>NeuroToxicology</i> , 2017 , 60, 161-170	4.4	1
2	Isolation of Ca ²⁺ channel alpha 1A, alpha 2, and beta subunit segments from human spinal cord RNA. <i>Annals of the New York Academy of Sciences</i> , 1998 , 841, 115-8	6.5	1
1	Bridge to neuroscience workshop: An effective educational tool to introduce principles of neuroscience to Hispanics students. <i>PLoS ONE</i> , 2019 , 14, e0225116	3.7	0