

Chandler L Walker

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.

28
papers

398
citations

12
h-index

19
g-index

28
ext. papers

501
ext. citations

3.7
avg, IF

3.65
L-index

#	Paper	IF	Citations
28	Systemic bisperoxovanadium activates Akt/mTOR, reduces autophagy, and enhances recovery following cervical spinal cord injury. <i>PLoS ONE</i> , 2012 , 7, e30012	3.7	108
27	PTEN inhibitor bisperoxovanadium protects oligodendrocytes and myelin and prevents neuronal atrophy in adult rats following cervical hemiconus spinal cord injury. <i>Neuroscience Letters</i> , 2014 , 573, 64-8	3.3	35
26	PTEN/PI3K and MAPK signaling in protection and pathology following CNS injuries. <i>Frontiers in Biology</i> , 2013 , 8, 421		30
25	Schwann cell transplantation and descending propriospinal regeneration after spinal cord injury. <i>Brain Research</i> , 2015 , 1619, 104-14	3.7	25
24	Surgical decompression in acute spinal cord injury: A review of clinical evidence, animal model studies, and potential future directions of investigation. <i>Frontiers in Biology</i> , 2014 , 9, 127-136		23
23	RhoA/Rho Kinase Mediates Neuronal Death Through Regulating cPLA Activation. <i>Molecular Neurobiology</i> , 2017 , 54, 6885-6895	6.2	22
22	Bisperoxovanadium Mediates Neuronal Protection through Inhibition of PTEN and Activation of PI3K/AKT-mTOR Signaling after Traumatic Spinal Injuries. <i>Journal of Neurotrauma</i> , 2019 , 36, 2676-2687	5.4	18
21	Functional and Histological Gender Comparison of Age-Matched Rats after Moderate Thoracic Contusive Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2019 , 36, 1974-1984	5.4	17
20	Systemic Dental Pulp Stem Cell Secretome Therapy in a Mouse Model of Amyotrophic Lateral Sclerosis. <i>Brain Sciences</i> , 2019 , 9,	3.4	14
19	A semicircular controlled cortical impact produces long-term motor and cognitive dysfunction that correlates well with damage to both the sensorimotor cortex and hippocampus. <i>Brain Research</i> , 2014 , 1576, 18-26	3.7	14
18	A bilateral head injury that shows graded brain damage and behavioral deficits in adult mice. <i>Brain Research</i> , 2013 , 1499, 121-8	3.7	14
17	Functional and Anatomical Outcomes of Facial Nerve Injury With Application of Polyethylene Glycol in a Rat Model. <i>JAMA Facial Plastic Surgery</i> , 2019 , 21, 61-68	3.2	13
16	A novel vertebral stabilization method for producing contusive spinal cord injury. <i>Journal of Visualized Experiments</i> , 2015 , e50149	1.6	11
15	Biphasic bisperoxovanadium administration and Schwann cell transplantation for repair after cervical contusive spinal cord injury. <i>Experimental Neurology</i> , 2015 , 264, 163-72	5.7	11
14	CD4 + T Cells and Neuroprotection: Relevance to Motoneuron Injury and Disease. <i>Journal of NeuroImmune Pharmacology</i> , 2015 , 10, 587-94	6.9	10
13	Controlled cervical laceration injury in mice. <i>Journal of Visualized Experiments</i> , 2013 , e50030	1.6	10
12	Carboxyl-terminal modulator protein regulates Akt signaling during skeletal muscle atrophy in vitro and a mouse model of amyotrophic lateral sclerosis. <i>Scientific Reports</i> , 2019 , 9, 3920	4.9	5

11	Temporospatial Analysis and New Players in the Immunology of Amyotrophic Lateral Sclerosis. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	5
10	Adipose-derived stem cell conditioned medium impacts asymptomatic peripheral neuromuscular denervation in the mutant superoxide dismutase (G93A) transgenic mouse model of amyotrophic lateral sclerosis. <i>Restorative Neurology and Neuroscience</i> , 2018 , 36, 621-627	2.8	5
9	Anatomical and functional effects of lateral cervical hemicontusion in adult rats. <i>Restorative Neurology and Neuroscience</i> , 2016 , 34, 389-400	2.8	4
8	Adipose-derived stem cell conditioned medium for the treatment of amyotrophic lateral sclerosis: pre-clinical evidence and potential for clinical application. <i>Neural Regeneration Research</i> , 2019 , 14, 1522-1524	4.5	2
7	Schwann Cell-Mediated Axonal Regeneration in the Central Nervous System 2015 , 337-349		1
6	Facial nerve repair utilizing intraoperative repair strategies. <i>Laryngoscope Investigative Otolaryngology</i> , 2020 , 5, 552-559	2.8	1
5	Progress in perisynaptic Schwann cell and neuromuscular junction research. <i>Neural Regeneration Research</i> , 2022 , 17, 1273-1274	4.5	0
4	Bisperoxovanadium promotes motor neuron survival and neuromuscular innervation in amyotrophic lateral sclerosis. <i>Molecular Brain</i> , 2021 , 14, 155	4.5	0
3	Retrograde Axonal Tract Tracing. <i>Springer Protocols</i> , 2012 , 443-460	0.3	
2	Intraoral Local Mandibular Anesthesia 2021 , 25-30		
1	Morphological Assessments Following Spinal Cord Injury. <i>Springer Protocols</i> , 2012 , 405-416	0.3	