

Michel A Lemay

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5093859/publications.pdf>

Version: 2024-02-01

23
papers

666
citations

840119

11
h-index

713013

21
g-index

24
all docs

24
docs citations

24
times ranked

881
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-cell and ensemble activity of lumbar intermediate and ventral horn interneurons in the spinal air-stepping cat. <i>Journal of Neurophysiology</i> , 2022, 127, 99-115.	0.9	3
2	Toward Assessing the Functional Connectivity of Spinal Neurons. <i>Frontiers in Neural Circuits</i> , 2022, 16, 839521.	1.4	4
3	A MATLAB application for automated H-Reflex measurements and analyses. <i>Biomedical Signal Processing and Control</i> , 2021, 66, 102448.	3.5	2
4	A versatile system for neuromuscular stimulation and recording in the mouse model using a lightweight magnetically coupled headmount. <i>Journal of Neuroscience Methods</i> , 2021, 362, 109319.	1.3	0
5	Adaptation to slope in locomotor-trained spinal cats with intact and self-reinnervated lateral gastrocnemius and soleus muscles. <i>Journal of Neurophysiology</i> , 2020, 123, 70-89.	0.9	7
6	Epidural Electrical Stimulation: A Review of Plasticity Mechanisms That Are Hypothesized to Underlie Enhanced Recovery From Spinal Cord Injury With Stimulation. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 163.	1.4	32
7	Intrathecal Delivery of BDNF Into the Lumbar Cistern Re-Engages Locomotor Stepping After Spinal Cord Injury. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 2459-2467.	2.7	6
8	Acute bladder decentralization in hound dogs: Preliminary results of effects on hypogastric nerve electroneurograms and detrusor pressure responses to spinal root and hypogastric nerve stimulation. <i>PLoS ONE</i> , 2019, 14, e0215036.	1.1	4
9	Effects of bioengineered scaffold loaded with neurotrophins and locomotor training in restoring H-reflex responses after spinal cord injury. <i>Experimental Brain Research</i> , 2018, 236, 3077-3084.	0.7	11
10	Characterization and validation of a split belt treadmill for measuring hindlimb ground-reaction forces in able-bodied and spinalized felines. <i>Journal of Neuroscience Methods</i> , 2017, 278, 65-75.	1.3	4
11	Transplants of Neurotrophin-Producing Autologous Fibroblasts Promote Recovery of Treadmill Stepping in the Acute, Sub-Chronic, and Chronic Spinal Cat. <i>Journal of Neurotrauma</i> , 2017, 34, 1858-1872.	1.7	12
12	Rehabilitation Strategies after Spinal Cord Injury: Inquiry into the Mechanisms of Success and Failure. <i>Journal of Neurotrauma</i> , 2017, 34, 1841-1857.	1.7	76
13	YAP/TAZ initiate and maintain Schwann cell myelination. <i>ELife</i> , 2017, 6, .	2.8	66
14	Either Brain-Derived Neurotrophic Factor or Neurotrophin-3 Only Neurotrophin-Producing Grafts Promote Locomotor Recovery in Untrained Spinalized Cats. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 90-100.	1.4	23
15	Pharmacologically inhibiting kinesin-5 activity with monastrol promotes axonal regeneration following spinal cord injury. <i>Experimental Neurology</i> , 2015, 263, 172-176.	2.0	19
16	Plasticity in ascending long propriospinal and descending supraspinal pathways in chronic cervical spinal cord injured rats. <i>Frontiers in Physiology</i> , 2012, 3, 330.	1.3	42
17	Motoneuronal and muscle synergies involved in cat hindlimb control during fictive and real locomotion: a comparison study. <i>Journal of Neurophysiology</i> , 2012, 107, 2057-2071.	0.9	63
18	Population spatiotemporal dynamics of spinal intermediate zone interneurons during air-stepping in adult spinal cats. <i>Journal of Neurophysiology</i> , 2011, 106, 1943-1953.	0.9	14

#	ARTICLE	IF	CITATIONS
19	Role of Spared Pathways in Locomotor Recovery after Body-Weight-Supported Treadmill Training in Contused Rats. <i>Journal of Neurotrauma</i> , 2011, 28, 2405-2416.	1.7	41
20	Preferred locomotor phase of activity of lumbar interneurons during air-stepping in subchronic spinal cats. <i>Journal of Neurophysiology</i> , 2011, 105, 1011-1022.	0.9	13
21	Afferent control of locomotor CPG: insights from a simple neuromechanical model. <i>Annals of the New York Academy of Sciences</i> , 2010, 1198, 21-34.	1.8	93
22	Proprioceptive neuropathy affects normalization of the H-reflex by exercise after spinal cord injury. <i>Experimental Neurology</i> , 2010, 221, 198-205.	2.0	30
23	Neurotrophic Factors Promote and Enhance Locomotor Recovery in Untrained Spinalized Cats. <i>Journal of Neurophysiology</i> , 2007, 98, 1988-1996.	0.9	101