

Marie-Claude Perreault

List of Publications by Year in descending order

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29
papers

1,222
citations

430843

18
h-index

477281

29
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30
all docs

30
docs citations

30
times ranked

931
citing authors

#	ARTICLE	IF	CITATIONS
1	Ankle extensor group I afferents excite extensors throughout the hindlimb during fictive locomotion in the cat.. Journal of Physiology, 1995, 487, 197-209.	2.9	240
2	Effects of stimulation of hindlimb flexor group II afferents during fictive locomotion in the cat.. Journal of Physiology, 1995, 487, 211-220.	2.9	110
3	Adult human hematopoietic stem cells produce neurons efficiently in the regenerating chicken embryo spinal cord. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5227-5232.	7.1	103
4	How Do We Approach the Locomotor Network in the Mammalian Spinal Cord?a. Annals of the New York Academy of Sciences, 1998, 860, 70-82.	3.8	84
5	Activity of medullary reticulospinal neurons during fictive locomotion. Journal of Neurophysiology, 1993, 69, 2232-2247.	1.8	72
6	Depression of muscle and cutaneous afferent-evoked monosynaptic field potentials during fictive locomotion in the cat. Journal of Physiology, 1999, 521, 691-703.	2.9	50
7	Microstimulation of the medullary reticular formation during fictive locomotion. Journal of Neurophysiology, 1994, 71, 229-245.	1.8	49
8	Segmental Organization of Vestibulospinal Inputs to Spinal Interneurons Mediating Crossed Activation of Thoracolumbar Motoneurons in the Neonatal Mouse. Journal of Neuroscience, 2015, 35, 8158-8169.	3.6	41
9	Segmental patterns of vestibular-mediated synaptic inputs to axial and limb motoneurons in the neonatal mouse assessed by optical recording. Journal of Physiology, 2010, 588, 4905-4925.	2.9	40
10	Evaluation of Intracellular Labeling with Micron-Sized Particles of Iron Oxide (MPIOs) as a General Tool for In Vitro and in Vivo Tracking of Human Stem and Progenitor Cells. Cell Transplantation, 2012, 21, 1743-1759.	2.5	40
11	Organization of Functional Synaptic Connections between Medullary Reticulospinal Neurons and Lumbar Descending Commissural Interneurons in the Neonatal Mouse. Journal of Neuroscience, 2011, 31, 4731-4742.	3.6	38
12	Aquaporin-4 in the heart: expression, regulation and functional role in ischemia. Basic Research in Cardiology, 2012, 107, 280.	5.9	32
13	Presynaptic control of transmission along the pathway mediating disynaptic reciprocal inhibition in the cat. Journal of Physiology, 2000, 526, 623-637.	2.9	31
14	Motoneurons Have Different Membrane Resistance during Fictive Scratching and Weight Support. Journal of Neuroscience, 2002, 22, 8259-8265.	3.6	31
15	Proprioceptive Control of Extensor Activity during Fictive Scratching and Weight Support Compared to Fictive Locomotion. Journal of Neuroscience, 1999, 19, 10966-10976.	3.6	30
16	Differential origin of reticulospinal drive to motoneurons innervating trunk and hindlimb muscles in the mouse revealed by optical recording. Journal of Physiology, 2008, 586, 5259-5276.	2.9	29
17	Postnatal development of GABAergic signalling in the rat lateral geniculate nucleus: presynaptic dendritic mechanisms. Journal of Physiology, 2003, 546, 137-148.	2.9	27
18	Organization of common synaptic drive to motoneurons during fictive locomotion in the spinal cat. Journal of Physiology, 2005, 569, 291-304.	2.9	26

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19	Glutamatergic reticulospinal neurons in the mouse: developmental origins, axon projections, and functional connectivity. <i>Annals of the New York Academy of Sciences</i> , 2013, 1279, 80-89.	3.8	25
20	Imaging synaptically mediated responses produced by brainstem inputs onto identified spinal neurons in the neonatal mouse. <i>Journal of Neuroscience Methods</i> , 2009, 180, 1-8.	2.5	19
21	C fragment of tetanus toxin hybrid proteins evaluated for muscle-specific transsynaptic mapping of spinal motor circuitry in the newborn mouse. <i>Neuroscience</i> , 2006, 141, 803-816.	2.3	17
22	Organization of pontine reticulospinal inputs to motoneurons controlling axial and limb muscles in the neonatal mouse. <i>Journal of Neurophysiology</i> , 2014, 112, 1628-1643.	1.8	17
23	Contribution of morphology and membrane resistance to integration of fast synaptic signals in two thalamic cell types. <i>Journal of Physiology</i> , 2006, 577, 205-220.	2.9	16
24	Vestibular-mediated synaptic inputs and pathways to sympathetic preganglionic neurons in the neonatal mouse. <i>Journal of Physiology</i> , 2012, 590, 5809-5826.	2.9	16
25	Pontine reticulospinal projections in the neonatal mouse: Internal organization and axon trajectories. <i>Journal of Comparative Neurology</i> , 2016, 524, 1270-1291.	1.6	12
26	Influence of Brain Stem on Axial and Hindlimb Spinal Locomotor Rhythm Generating Circuits of the Neonatal Mouse. <i>Frontiers in Neuroscience</i> , 2018, 12, 53.	2.8	11
27	Diversity of reticulospinal systems in mammals. <i>Current Opinion in Physiology</i> , 2019, 8, 161-169.	1.8	9
28	Crossed activation of thoracic trunk motoneurons by medullary reticulospinal neurons. <i>Journal of Neurophysiology</i> , 2019, 122, 2601-2613.	1.8	5
29	Phantom Limb in Schizophrenia and the Central Hypothesis. <i>Canadian Journal of Psychiatry</i> , 1993, 38, 151-152.	1.9	2