

# Marin Manuel

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

973  
citations

471509

17  
h-index

501196

28  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1013  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adult spinal motoneurons are not hyperexcitable in a mouse model of inherited amyotrophic lateral sclerosis. <i>Journal of Physiology</i> , 2014, 592, 1687-1703.	2.9	128
2	Hypoexcitability precedes denervation in the large fast-contracting motor units in two unrelated mouse models of ALS. <i>ELife</i> , 2018, 7, .	6.0	111
3	Fast Kinetics, High-Frequency Oscillations, and Subprimary Firing Range in Adult Mouse Spinal Motoneurons. <i>Journal of Neuroscience</i> , 2009, 29, 11246-11256.	3.6	78
4	MuSK Frizzled-Like Domain Is Critical for Mammalian Neuromuscular Junction Formation and Maintenance. <i>Journal of Neuroscience</i> , 2015, 35, 4926-4941.	3.6	59
5	ALPHA, BETA AND GAMMA MOTONEURONS: FUNCTIONAL DIVERSITY IN THE MOTOR SYSTEM'S FINAL PATHWAY. <i>Journal of Integrative Neuroscience</i> , 2011, 10, 243-276.	1.7	56
6	Mixed Mode Oscillations in Mouse Spinal Motoneurons Arise from a Low Excitability State. <i>Journal of Neuroscience</i> , 2011, 31, 5829-5840.	3.6	51
7	Resonant or Not, Two Amplification Modes of Proprioceptive Inputs by Persistent Inward Currents in Spinal Motoneurons. <i>Journal of Neuroscience</i> , 2007, 27, 12977-12988.	3.6	42
8	Synaptic restoration by cAMP/PKA drives activity-dependent neuroprotection to motoneurons in ALS. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	40
9	Absence of <i>Uchl1</i> function leads to selective motor neuropathy. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 331-345.	3.7	33
10	The afterhyperpolarization conductance exerts the same control over the gain and variability of motoneurone firing in anaesthetized cats. <i>Journal of Physiology</i> , 2006, 576, 873-886.	2.9	32
11	Liver X Receptor exerts a protective effect against the oxidative stress in the peripheral nerve. <i>Scientific Reports</i> , 2018, 8, 2524.	3.3	32
12	Adult Mouse Motor Units Develop Almost All of Their Force in the Subprimary Range: A New All-or-None Strategy for Force Recruitment?. <i>Journal of Neuroscience</i> , 2011, 31, 15188-15194.	3.6	31
13	Decerebrate mouse model for studies of the spinal cord circuits. <i>Nature Protocols</i> , 2017, 12, 732-747.	12.0	31
14	Kv1.2 Channels Promote Nonlinear Spiking Motoneurons for Powering Up Locomotion. <i>Cell Reports</i> , 2018, 22, 3315-3327.	6.4	27
15	Scaling of Motor Output, From Mouse to Humans. <i>Physiology</i> , 2019, 34, 5-13.	3.1	25
16	NMDA induces persistent inward and outward currents that cause rhythmic bursting in adult rodent motoneurons. <i>Journal of Neurophysiology</i> , 2012, 108, 2991-2998.	1.8	24
17	How Much Afterhyperpolarization Conductance Is Recruited by an Action Potential? A Dynamic-Clamp Study in Cat Lumbar Motoneurons. <i>Journal of Neuroscience</i> , 2005, 25, 8917-8923.	3.6	23
18	PICs in motoneurons do not scale with the size of the animal: a possible mechanism for faster speed of muscle contraction in smaller species. <i>Journal of Neurophysiology</i> , 2017, 118, 93-102.	1.8	23

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19	Constitutive activity of 5-HT <sub>2C</sub> receptors is present after incomplete spinal cord injury but is not modified after chronic SSRI or baclofen treatment. <i>Journal of Neurophysiology</i> , 2017, 118, 2944-2952.	1.8	23
20	Time Course of Alterations in Adult Spinal Motoneuron Properties in the SOD1(G93A) Mouse Model of ALS. <i>ENeuro</i> , 2021, 8, ENEURO.0378-20.2021.	1.9	18
21	Characterization of motor units in behaving adult mice shows a wide primary range. <i>Journal of Neurophysiology</i> , 2014, 112, 543-551.	1.8	16
22	Molecular and electrophysiological properties of mouse motoneuron and motor unit subtypes. <i>Current Opinion in Physiology</i> , 2019, 8, 23-29.	1.8	14
23	Conservation of locomotion-induced oculomotor activity through evolution in mammals. <i>Current Biology</i> , 2022, 32, 453-461.e4.	3.9	12
24	Stronger is not always better: Could a bodybuilding dietary supplement lead to ALS?. <i>Experimental Neurology</i> , 2011, 228, 5-8.	4.1	11
25	Simultaneous Intracellular Recording of a Lumbar Motoneuron and the Force Produced by its Motor Unit in the Adult Mouse <i>In vivo</i> . <i>Journal of Visualized Experiments</i> , 2012, , e4312.	0.3	11
26	The dendritic location of the L-type current and its deactivation by the somatic AHP current both contribute to firing bistability in motoneurons. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 4.	2.1	7
27	Suboptimal Discontinuous Current-Clamp Switching Rates Lead to Deceptive Mouse Neuronal Firing. <i>ENeuro</i> , 2021, 8, ENEURO.0461-20.2020.	1.9	6
28	Comments on the article by Jensen <i>et al</i> . (2020). <i>Journal of Physiology</i> , 2021, 599, 4231-4232.	2.9	2