

Timothy C Cope

List of Publications by Year in descending order

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27
papers

812
citations

567281

15
h-index

552781

26
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30
all docs

30
docs citations

30
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	Local Loss of Proprioception Results in Disruption of Interjoint Coordination During Locomotion in the Cat. <i>Journal of Neurophysiology</i> , 2000, 84, 2709-2714.	1.8	107
2	Amplification and Linear Summation of Synaptic Effects on Motoneuron Firing Rate. <i>Journal of Neurophysiology</i> , 2001, 85, 43-53.	1.8	73
3	Permanent central synaptic disconnection of proprioceptors after nerve injury and regeneration. II. Loss of functional connectivity with motoneurons. <i>Journal of Neurophysiology</i> , 2011, 106, 2471-2485.	1.8	72
4	Movement Reduces the Dynamic Response of Muscle Spindle Afferents and Motoneuron Synaptic Potentials in Rat. <i>Journal of Neurophysiology</i> , 2004, 91, 2164-2171.	1.8	61
5	Central Suppression of Regenerated Proprioceptive Afferents. <i>Journal of Neuroscience</i> , 2005, 25, 4733-4742.	3.6	53
6	Permanent reorganization of Ia afferent synapses on motoneurons after peripheral nerve injuries. <i>Annals of the New York Academy of Sciences</i> , 2010, 1198, 231-241.	3.8	53
7	Muscle proprioceptors in adult rat: mechanosensory signaling and synapse distribution in spinal cord. <i>Journal of Neurophysiology</i> , 2017, 118, 2687-2701.	1.8	49
8	Neuronal uptake transporters contribute to oxaliplatin neurotoxicity in mice. <i>Journal of Clinical Investigation</i> , 2020, 130, 4601-4606.	8.2	44
9	Diverse and complex muscle spindle afferent firing properties emerge from multiscale muscle mechanics. <i>ELife</i> , 2020, 9, .	6.0	37
10	Synaptic Plasticity on Motoneurons After Axotomy: A Necessary Change in Paradigm. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 68.	2.9	36
11	A novel path to chronic proprioceptive disability with oxaliplatin: Distortion of sensory encoding. <i>Neurobiology of Disease</i> , 2016, 95, 54-65.	4.4	28
12	Distribution of TTX-sensitive voltage-gated sodium channels in primary sensory endings of mammalian muscle spindles. <i>Journal of Neurophysiology</i> , 2017, 117, 1690-1701.	1.8	28
13	Cancer Exacerbates Chemotherapy-Induced Sensory Neuropathy. <i>Cancer Research</i> , 2020, 80, 2940-2955.	0.9	21
14	Elastic tissue forces mask muscle fiber forces underlying muscle spindle Ia afferent firing rates in stretch of relaxed rat muscle. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	20
15	Recruitment Order Among Motoneurons From Different Motor Nuclei. <i>Journal of Neurophysiology</i> , 1999, 81, 2485-2492.	1.8	19
16	Complex impairment of IA muscle proprioceptors following traumatic or neurotoxic injury. <i>Journal of Anatomy</i> , 2015, 227, 221-230.	1.5	14
17	Progressive adaptation of whole-limb kinematics after peripheral nerve injury. <i>Biology Open</i> , 2018, 7, .	1.2	14
18	Dysregulation of mechanosensory circuits coordinating the actions of antagonist motor pools following peripheral nerve injury and muscle reinnervation. <i>Experimental Neurology</i> , 2019, 318, 124-134.	4.1	14

#	ARTICLE	IF	CITATIONS
19	A review of movement disorders in chemotherapy-induced neurotoxicity. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 16.	4.6	14
20	Recruitment of Cat Motoneurons in the Absence of Homonymous Afferent Feedback. Journal of Neurophysiology, 2001, 86, 616-628.	1.8	13
21	Chronic defects in intraspinal mechanisms of spike encoding by spinal motoneurons following chemotherapy. Experimental Neurology, 2020, 331, 113354.	4.1	13
22	Modulation of motoneuron firing by recurrent inhibition in the adult rat in vivo. Journal of Neurophysiology, 2014, 112, 2302-2315.	1.8	9
23	Neural circuit mechanisms of sensorimotor disability in cancer treatment. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	8
24	Imbalanced Subthreshold Currents Following Sepsis and Chemotherapy: A Shared Mechanism Offering a New Therapeutic Target?. Neuroscientist, 2022, 28, 103-120.	3.5	5
25	Detection of epimuscular myofascial forces by Golgi tendon organs. Experimental Brain Research, 2022, 240, 147-158.	1.5	3
26	Cancer survivors post-chemotherapy exhibit unique proprioceptive deficits in proximal limbs. Journal of NeuroEngineering and Rehabilitation, 2022, 19, 32.	4.6	2
27	Effects of route of administration on neural exposure to platinum-based chemotherapy treatment: a pharmacokinetic study in rat. NeuroToxicology, 2021, 86, 162-165.	3.0	0