

Timothy C Cope

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

812
citations

567281
15
h-index

552781
26
g-index

30
all docs

30
docs citations

30
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of epimuscular myofascial forces by Golgi tendon organs. <i>Experimental Brain Research</i> , 2022, 240, 147-158.	1.5	3
2	Imbalanced Subthreshold Currents Following Sepsis and Chemotherapy: A Shared Mechanism Offering a New Therapeutic Target?. <i>Neuroscientist</i> , 2022, 28, 103-120.	3.5	5
3	Cancer survivors post-chemotherapy exhibit unique proprioceptive deficits in proximal limbs. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2022, 19, 32.	4.6	2
4	A review of movement disorders in chemotherapy-induced neurotoxicity. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 16.	4.6	14
5	Effects of route of administration on neural exposure to platinum-based chemotherapy treatment: a pharmacokinetic study in rat. <i>NeuroToxicology</i> , 2021, 86, 162-165.	3.0	0
6	Neural circuit mechanisms of sensorimotor disability in cancer treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
7	Chronic defects in intraspinal mechanisms of spike encoding by spinal motoneurons following chemotherapy. <i>Experimental Neurology</i> , 2020, 331, 113354.	4.1	13
8	Synaptic Plasticity on Motoneurons After Axotomy: A Necessary Change in Paradigm. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 68.	2.9	36
9	Cancer Exacerbates Chemotherapy-Induced Sensory Neuropathy. <i>Cancer Research</i> , 2020, 80, 2940-2955.	0.9	21
10	Neuronal uptake transporters contribute to oxaliplatin neurotoxicity in mice. <i>Journal of Clinical Investigation</i> , 2020, 130, 4601-4606.	8.2	44
11	Diverse and complex muscle spindle afferent firing properties emerge from multiscale muscle mechanics. <i>ELife</i> , 2020, 9, .	6.0	37
12	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
13	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
14	Progressive adaptation of whole-limb kinematics after peripheral nerve injury. <i>Biology Open</i> , 2018, 7, .	1.2	14
15	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
16	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
17	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
18	Complex impairment of IA muscle proprioceptors following traumatic or neurotoxic injury. <i>Journal of Anatomy</i> , 2015, 227, 221-230.	1.5	14

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19	Modulation of motoneuron firing by recurrent inhibition in the adult rat in vivo. Journal of Neurophysiology, 2014, 112, 2302-2315.	1.8	9
20	Permanent central synaptic disconnection of proprioceptors after nerve injury and regeneration. II. Loss of functional connectivity with motoneurons. Journal of Neurophysiology, 2011, 106, 2471-2485.	1.8	72
21	Permanent reorganization of Ia afferent synapses on motoneurons after peripheral nerve injuries. Annals of the New York Academy of Sciences, 2010, 1198, 231-241.	3.8	53
22	Central Suppression of Regenerated Proprioceptive Afferents. Journal of Neuroscience, 2005, 25, 4733-4742.	3.6	53
23	Movement Reduces the Dynamic Response of Muscle Spindle Afferents and Motoneuron Synaptic Potentials in Rat. Journal of Neurophysiology, 2004, 91, 2164-2171.	1.8	61
24	Amplification and Linear Summation of Synaptic Effects on Motoneuron Firing Rate. Journal of Neurophysiology, 2001, 85, 43-53.	1.8	73
25	Recruitment of Cat Motoneurons in the Absence of Homonymous Afferent Feedback. Journal of Neurophysiology, 2001, 86, 616-628.	1.8	13
26	Local Loss of Proprioception Results in Disruption of Interjoint Coordination During Locomotion in the Cat. Journal of Neurophysiology, 2000, 84, 2709-2714.	1.8	107
27	Recruitment Order Among Motoneurons From Different Motor Nuclei. Journal of Neurophysiology, 1999, 81, 2485-2492.	1.8	19