

Timothy J Doherty

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

5,023
citations

136950

32
h-index

138484

58
g-index

66
all docs

66
docs citations

66
times ranked

5298
citing authors

#	ARTICLE	IF	CITATIONS
1	Response to letter: Preventing age-related motor unit loss: Is exercise the answer?. <i>Experimental Gerontology</i> , 2022, 159, 111696.	2.8	0
2	Local and systemic transcriptomic responses from acute exercise induced muscle damage of the human knee extensors. <i>Physiological Genomics</i> , 2022, 54, 305-315.	2.3	1
3	The effect of physical exercise on functional brain network connectivity in older adults with and without cognitive impairment. A systematic review. <i>Mechanisms of Ageing and Development</i> , 2021, 196, 111493.	4.6	19
4	Neuroprotective effects of exercise on the aging human neuromuscular system. <i>Experimental Gerontology</i> , 2021, 152, 111465.	2.8	22
5	Length-dependent changes of lower limb muscle morphology in Chronic Inflammatory Demyelinating Polyneuropathy assessed with magnetic resonance imaging. <i>European Journal of Translational Myology</i> , 2021, , .	1.7	2
6	Nerve dysfunction leads to muscle morphological abnormalities in chronic inflammatory demyelinating polyneuropathy assessed by MRI. <i>Clinical Anatomy</i> , 2020, 33, 77-84.	2.7	7
7	Assessment of age-related differences in decomposition-based quantitative EMG in the intrinsic hand muscles: A multivariate approach. <i>Clinical Neurophysiology</i> , 2020, 131, 2192-2199.	1.5	2
8	Abnormal motor unit firing rates in chronic inflammatory demyelinating polyneuropathy. <i>Journal of the Neurological Sciences</i> , 2020, 414, 116859.	0.6	11
9	Test-retest reliability of near-fibre jiggle in the ulnar intrinsic hand muscles. <i>Journal of Electromyography and Kinesiology</i> , 2019, 49, 102349.	1.7	1
10	Reduced brain glutamine in female varsity rugby athletes after concussion and in non-concussed athletes after a season of play. <i>Human Brain Mapping</i> , 2018, 39, 1489-1499.	3.6	24
11	Effect of very old age on anconeus motor unit loss and compensatory remodelling. <i>Muscle and Nerve</i> , 2018, 57, 659-663.	2.2	12
12	Reductions in muscle quality and quantity in chronic inflammatory demyelinating polyneuropathy patients assessed by magnetic resonance imaging. <i>Muscle and Nerve</i> , 2018, 58, 396-401.	2.2	11
13	Reply. <i>Muscle and Nerve</i> , 2017, 55, 930-931.	2.2	1
14	Electrophysiological and neuromuscular stability of persons with chronic inflammatory demyelinating polyneuropathy. <i>Muscle and Nerve</i> , 2017, 56, 413-420.	2.2	10
15	Reply to Drs. Sacco et al.. <i>Journal of Applied Physiology</i> , 2017, 122, 1525-1525.	2.5	0
16	Motor unit number estimation and neuromuscular fidelity in 3 stages of sarcopenia. <i>Muscle and Nerve</i> , 2017, 55, 676-684.	2.2	33
17	Neuromuscular contributions to the age-related reduction in muscle power: Mechanisms and potential role of high velocity power training. <i>Ageing Research Reviews</i> , 2017, 35, 147-154.	10.9	81
18	Multiparametric MRI changes persist beyond recovery in concussed adolescent hockey players. <i>Neurology</i> , 2017, 89, 2157-2166.	1.1	83

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19	Maintaining motor units into old age: running the final common pathway. <i>European Journal of Translational Myology</i> , 2017, 27, 6597.	1.7	26
20	Reply to Senefeld and Hunter: Physiology in Medicine: Neuromuscular consequences of diabetic neuropathy. The authors' reply. <i>Journal of Applied Physiology</i> , 2016, 121, 361-361.	2.5	0
21	If you don't use it you'll likely lose it. <i>Clinical Physiology and Functional Imaging</i> , 2016, 36, 497-498.	1.2	9
22	Reduced skeletal muscle quantity and quality in patients with diabetic polyneuropathy assessed by magnetic resonance imaging. <i>Muscle and Nerve</i> , 2016, 53, 726-732.	2.2	28
23	Physiology in Medicine: neuromuscular consequences of diabetic neuropathy. <i>Journal of Applied Physiology</i> , 2016, 121, 1-6.	2.5	43
24	Motor unit number and transmission stability in octogenarian world class athletes: Can age-related deficits be outrun?. <i>Journal of Applied Physiology</i> , 2016, 121, 1013-1020.	2.5	70
25	Spinal accessory nerve injury: A potentially missed cause of a painful, droopy shoulder. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2016, 29, 899-904.	1.1	10
26	Disentangling Cognitive-Frailty: Results From the Gait and Brain Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1476-1482.	3.6	125
27	Reply to reflection on MUNE. <i>Muscle and Nerve</i> , 2015, 51, 624-624.	2.2	0
28	Decreased muscle endurance associated with diabetic neuropathy may be attributed partially to neuromuscular transmission failure. <i>Journal of Applied Physiology</i> , 2015, 118, 1014-1022.	2.5	35
29	Increased motor unit potential shape variability across consecutive motor unit discharges in the tibialis anterior and vastus medialis muscles of healthy older subjects. <i>Clinical Neurophysiology</i> , 2015, 126, 2381-2389.	1.5	61
30	Motor unit loss is accompanied by decreased peak muscle power in the lower limb of older adults. <i>Experimental Gerontology</i> , 2015, 70, 111-118.	2.8	30
31	Increased neuromuscular transmission instability and motor unit remodelling with diabetic neuropathy as assessed using novel near fibre motor unit potential parameters. <i>Clinical Neurophysiology</i> , 2015, 126, 794-802.	1.5	43
32	Early mobilization in the critical care unit: A review of adult and pediatric literature. <i>Journal of Critical Care</i> , 2015, 30, 664-672.	2.2	203
33	Anconeus motor unit number estimates using decomposition-based quantitative electromyography. <i>Muscle and Nerve</i> , 2014, 50, 52-59.	2.2	8
34	Length dependent loss of motor axons and altered motor unit properties in human diabetic polyneuropathy. <i>Clinical Neurophysiology</i> , 2014, 125, 836-843.	1.5	46
35	Motor unit number estimation: A technology and literature review. <i>Muscle and Nerve</i> , 2014, 50, 884-893.	2.2	115
36	Motor unit loss and weakness in association with diabetic neuropathy in humans. <i>Muscle and Nerve</i> , 2013, 48, 298-300.	2.2	60

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37	Motor unit number estimates in world-class masters athletes: is 80 the new 60?. FASEB Journal, 2013, 27, 1150.1.	0.5	2
38	Motor Unit Survival in Lifelong Runners Is Muscle Dependent. Medicine and Science in Sports and Exercise, 2012, 44, 1235-1242.	0.4	99
39	Motor Unit Number Estimates in Masters Runners. Medicine and Science in Sports and Exercise, 2010, 42, 1644-1650.	0.4	129
40	Sarcopenia: Prevalence, Mechanisms, and Functional Consequences. Interdisciplinary Topics in Gerontology, 2010, 37, 94-114.	3.6	139
41	Age-related reductions in the estimated numbers of motor units are minimal in the human soleus. Muscle and Nerve, 2008, 38, 1108-1115.	2.2	68
42	Estimating Contraction Level Using Root Mean Square Amplitude in Control Subjects and Patients With Neuromuscular Disorders. Archives of Physical Medicine and Rehabilitation, 2008, 89, 711-718.	0.9	30
43	Motor unit number estimates and quantitative motor unit analysis in healthy subjects and patients with amyotrophic lateral sclerosis. Muscle and Nerve, 2007, 36, 62-70.	2.2	33
44	Within-subject reliability of motor unit number estimates and quantitative motor unit analysis in a distal and proximal upper limb muscle. Clinical Neurophysiology, 2006, 117, 596-603.	1.5	47
45	Decomposition-based quantitative electromyography: Effect of force on motor unit potentials and motor unit number estimates. Muscle and Nerve, 2005, 31, 365-373.	2.2	68
46	Motor unit number estimates in the tibialis anterior muscle of young, old, and very old men. Muscle and Nerve, 2005, 31, 461-467.	2.2	260
47	The effect of contraction intensity on motor unit number estimates of the tibialis anterior. Clinical Neurophysiology, 2005, 116, 1342-1347.	1.5	33
48	Motor unit number estimation by decomposition-enhanced spike-triggered averaging: Control data, test-retest reliability, and contractile level effects. Muscle and Nerve, 2004, 29, 693-699.	2.2	80
49	Reliability of Hand-Held Dynamometry in Assessment of Knee Extensor Strength After Hip Fracture. American Journal of Physical Medicine and Rehabilitation, 2004, 83, 813-818.	1.4	98
50	Decomposition-based quantitative electromyography: Methods and initial normative data in five muscles. Muscle and Nerve, 2003, 28, 204-211.	2.2	92
51	Invited Review: Aging and sarcopenia. Journal of Applied Physiology, 2003, 95, 1717-1727.	2.5	1,396
52	Axon excitability in motor unit number estimation. Supplements To Clinical Neurophysiology, 2003, , 15-21.	2.1	0
53	Multiple point stimulation and F-response MUNE techniques. Supplements To Clinical Neurophysiology, 2003, 55, 29-40.	2.1	5
54	MUNE measurement of age-related changes. Supplements To Clinical Neurophysiology, 2003, , 158-164.	2.1	4

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55	The influence of aging and sex on skeletal muscle mass and strength. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2001, 4, 503-508.	2.5	207
56	Contractile properties of human motor units in health, aging, and disease. <i>Muscle and Nerve</i> , 2001, 24, 1113-1133.	2.2	52
57	Longitudinal study of the contractile and electrical properties of single human thenar motor units. , 1998, 21, 839-849.		20
58	Age-related changes in the twitch contractile properties of human thenar motor units. <i>Journal of Applied Physiology</i> , 1997, 82, 93-101.	2.5	112
59	Physiological properties of single thenar motor units in the F-response of younger and older adults. <i>Muscle and Nerve</i> , 1994, 17, 860-872.	2.2	56
60	Motor unit number estimates based on the automated analysis of F-responses. <i>Muscle and Nerve</i> , 1994, 17, 881-890.	2.2	98
61	A method for the longitudinal study of human thenar motor units. <i>Muscle and Nerve</i> , 1994, 17, 1029-1036.	2.2	44
62	The estimated numbers and relative sizes of thenar motor units as selected by multiple point stimulation in young and older adults. <i>Muscle and Nerve</i> , 1993, 16, 355-366.	2.2	285
63	Determinants of mean motor unit size: Impact on estimates of motor unit number. <i>Muscle and Nerve</i> , 1993, 16, 1326-1331.	2.2	53
64	Effects of Ageing on the Motor Unit: A Brief Review. <i>Applied Physiology, Nutrition, and Metabolism</i> , 1993, 18, 331-358.	1.7	279
65	Motor unit estimates based on the automated analysis of F-waves. , 1992, , .		2