

Michael R Deschenes

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

6,784
citations

23
h-index

53
g-index

53
ext. papers

7,820
ext. citations

3.6
avg, IF

5.67
L-index

#	Paper	IF	Citations
50	American College of Sports Medicine position stand. Quantity and quality of exercise for developing and maintaining cardiorespiratory, musculoskeletal, and neuromotor fitness in apparently healthy adults: guidance for prescribing exercise. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 1334-59	1.2	4992
49	Effects of aging on muscle fibre type and size. <i>Sports Medicine</i> , 2004 , 34, 809-24	10.6	332
48	Performance and physiologic adaptations to resistance training. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2002 , 81, S3-16	2.6	170
47	Remodeling of the neuromuscular junction precedes sarcopenia related alterations in myofibers. <i>Experimental Gerontology</i> , 2010 , 45, 389-93	4.5	125
46	Neural factors account for strength decrements observed after short-term muscle unloading. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 282, R578-83	3.2	112
45	Degeneration of neuromuscular junction in age and dystrophy. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 99	5.3	106
44	Motor unit and neuromuscular junction remodeling with aging. <i>Current Aging Science</i> , 2011 , 4, 209-20	2.2	101
43	Physiological adaptations to resistance exercise. Implications for athletic conditioning. <i>Sports Medicine</i> , 1988 , 6, 246-56	10.6	72
42	Chronobiological effects on exercise performance and selected physiological responses. <i>European Journal of Applied Physiology</i> , 1998 , 77, 249-56	3.4	61
41	Endurance and resistance exercise induce muscle fiber type specific responses in androgen binding capacity. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1994 , 50, 175-9	5.1	61
40	Effects of resistance training on neuromuscular junction morphology. <i>Muscle and Nerve</i> , 2000 , 23, 1576-81	3.1	60
39	The neuromuscular junction: anatomical features and adaptations to various forms of increased, or decreased neuromuscular activity. <i>International Journal of Neuroscience</i> , 2005 , 115, 803-28	2	49
38	Neuromuscular disturbance outlasts other symptoms of exercise-induced muscle damage. <i>Journal of the Neurological Sciences</i> , 2000 , 174, 92-9	3.2	46
37	A comparison of the effects of unloading in young adult and aged skeletal muscle. <i>Medicine and Science in Sports and Exercise</i> , 2001 , 33, 1477-83	1.2	38
36	Adaptations to short-term muscle unloading in young and aged men. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 856-63	1.2	37
35	Age-related differences in synaptic plasticity following muscle unloading. <i>Journal of Neurobiology</i> , 2003 , 57, 246-56		36
34	Biorhythmic influences on functional capacity of human muscle and physiological responses. <i>Medicine and Science in Sports and Exercise</i> , 1998 , 30, 1399-1407	1.2	33

33	Exercise-induced hormonal changes and their effects upon skeletal muscle tissue. <i>Sports Medicine</i> , 1991 , 12, 80-93	10.6	27
32	Effect of resistance training on neuromuscular junctions of young and aged muscles featuring different recruitment patterns. <i>Journal of Neuroscience Research</i> , 2015 , 93, 504-13	4.4	26
31	Presynaptic to postsynaptic relationships of the neuromuscular junction are held constant across age and muscle fiber type. <i>Developmental Neurobiology</i> , 2013 , 73, 744-53	3.2	26
30	Gender influences neuromuscular adaptations to muscle unloading. <i>European Journal of Applied Physiology</i> , 2009 , 105, 889-97	3.4	24
29	Effects of gender on physiological responses during submaximal exercise and recovery. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 1304-10	1.2	24
28	Neuromuscular junction degeneration in muscle wasting. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016 , 19, 177-81	3.8	23
27	The neuromuscular junction. Muscle fibre type differences, plasticity and adaptability to increased and decreased activity. <i>Sports Medicine</i> , 1994 , 17, 358-72	10.6	19
26	The effects of sarcopenia on muscles with different recruitment patterns and myofiber profiles. <i>Current Aging Science</i> , 2013 , 6, 266-72	2.2	18
25	Factors relating to gender specificity of unloading-induced declines in strength. <i>Muscle and Nerve</i> , 2012 , 46, 210-7	3.4	17
24	Aged men experience disturbances in recovery following submaximal exercise. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006 , 61, 63-71	6.4	16
23	Neuromuscular adaptations to spaceflight are specific to postural muscles. <i>Muscle and Nerve</i> , 2005 , 31, 468-74	3.4	16
22	Unlike myofibers, neuromuscular junctions remain stable during prolonged muscle unloading. <i>Journal of the Neurological Sciences</i> , 2003 , 210, 5-10	3.2	15
21	Recovery of neuromuscular junction morphology following 16 days of spaceflight. <i>Synapse</i> , 2001 , 42, 177-84	2.4	14
20	Adaptations of the neuromuscular junction to exercise training. <i>Current Opinion in Physiology</i> , 2019 , 10, 10-16	2.6	12
19	Neuromuscular adaptability of male and female rats to muscle unloading. <i>Journal of Neuroscience Research</i> , 2018 , 96, 284-296	4.4	11
18	Muscle fibers and their synapses differentially adapt to aging and endurance training. <i>Experimental Gerontology</i> , 2018 , 106, 183-191	4.5	10
17	Achieving Acetylcholine Receptor Clustering in Tissue-Engineered Skeletal Muscle Constructs through a Materials-Directed Agrin Delivery Approach. <i>Frontiers in Pharmacology</i> , 2016 , 7, 508	5.6	8
16	The effects of pre-habilitative conditioning on unloading-induced adaptations in young and aged neuromuscular systems. <i>Experimental Gerontology</i> , 2012 , 47, 687-94	4.5	8

15	Effects of exercise training on neuromuscular junctions and their active zones in young and aged muscles. <i>Neurobiology of Aging</i> , 2020 , 95, 1-8	5.6	6
14	Chronic Resistance Training Does Not Ameliorate Unloading-Induced Decrements in Neuromuscular Function. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017 , 96, 549-556	2.6	5
13	A comparison of physiological variables in aged and young women during and following submaximal exercise. <i>American Journal of Human Biology</i> , 2009 , 21, 836-43	2.7	5
12	The efficacy of prehabilitative conditioning: ameliorating unloading-induced declines in the muscle function of humans. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2009 , 88, 136-44	2.6	5
11	Aged men display blunted biorhythmic variation of muscle performance and physiological responses. <i>Journal of Applied Physiology</i> , 2002 , 92, 2319-25	3.7	5
10	Gender-specific neuromuscular adaptations to unloading in isolated rat soleus muscles. <i>Muscle and Nerve</i> , 2016 , 54, 300-7	3.4	4
9	Both aging and exercise training alter the rate of recovery of neuromuscular performance of male soleus muscles. <i>Biogerontology</i> , 2019 , 20, 213-223	4.5	4
8	The Neuromuscular Junction: Structure, Function, and its Role in the Excitation of Muscle. <i>Journal of Strength and Conditioning Research</i> , 1994 , 8, 103	3.2	3
7	Myocardial SIRT1 expression following endurance and resistance exercise training in young and old rats. <i>FASEB Journal</i> , 2008 , 22, 753.1	0.9	1
6	The role of the neuromuscular junction in sarcopenia 2021 , 59-80		1
5	Juvenile Neuromuscular Systems Show Amplified Disturbance to Muscle Unloading. <i>Frontiers in Physiology</i> , 2021 , 12, 754052	4.6	0
4	Sensitivity of subcellular components of neuromuscular junctions to decreased neuromuscular activity. <i>Synapse</i> , 2021 , 75, e22220	2.4	0
3	Aging obviates sex-specific physiological responses to exercise. <i>American Journal of Human Biology</i> , 2013 , 25, 215-21	2.7	
2	When size really does matter. <i>Journal of Physiology</i> , 2007 , 579, 567	3.9	
1	Sensitivity of neuromuscular junctions to unloading and pre-habilitation. <i>FASEB Journal</i> , 2009 , 23, 955.15.9	5.9	