

Michael R Deschenes

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8621655/michael-r-deschenes-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Juvenile Neuromuscular Systems Show Amplified Disturbance to Muscle Unloading. <i>Frontiers in Physiology</i> , 2021 , 12, 754052	4.6	0
49	Sensitivity of subcellular components of neuromuscular junctions to decreased neuromuscular activity. <i>Synapse</i> , 2021 , 75, e22220	2.4	0
48	The role of the neuromuscular junction in sarcopenia 2021 , 59-80		1
47	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
46	Adaptations of the neuromuscular junction to exercise training. <i>Current Opinion in Physiology</i> , 2019 , 10, 10-16	2.6	12
45	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
44	Muscle fibers and their synapses differentially adapt to aging and endurance training. <i>Experimental Gerontology</i> , 2018 , 106, 183-191	4.5	10
43	Neuromuscular adaptability of male and female rats to muscle unloading. <i>Journal of Neuroscience Research</i> , 2018 , 96, 284-296	4.4	11
42	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
41	Neuromuscular junction degeneration in muscle wasting. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016 , 19, 177-81	3.8	23
40	Gender-specific neuromuscular adaptations to unloading in isolated rat soleus muscles. <i>Muscle and Nerve</i> , 2016 , 54, 300-7	3.4	4
39	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
38	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
37	Degeneration of neuromuscular junction in age and dystrophy. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 99	5.3	106
36	Aging obviates sex-specific physiological responses to exercise. <i>American Journal of Human Biology</i> , 2013 , 25, 215-21	2.7	
35	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
34	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

33	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
32	Factors relating to gender specificity of unloading-induced declines in strength. <i>Muscle and Nerve</i> , 2012 , 46, 210-7	3.4	17
31	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
30	Motor unit and neuromuscular junction remodeling with aging. <i>Current Aging Science</i> , 2011 , 4, 209-20	2.2	101
29	Remodeling of the neuromuscular junction precedes sarcopenia related alterations in myofibers. <i>Experimental Gerontology</i> , 2010 , 45, 389-93	4.5	125
28	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
27	Gender influences neuromuscular adaptations to muscle unloading. <i>European Journal of Applied Physiology</i> , 2009 , 105, 889-97	3.4	24
26	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
25	Sensitivity of neuromuscular junctions to unloading and pre-habilitation. <i>FASEB Journal</i> , 2009 , 23, 955.15-9		
24	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
23	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
22	When size really does matter. <i>Journal of Physiology</i> , 2007 , 579, 567	3.9	
21	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
20	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
19	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
18	Neuromuscular adaptations to spaceflight are specific to postural muscles. <i>Muscle and Nerve</i> , 2005 , 31, 468-74	3.4	16
17	Effects of aging on muscle fibre type and size. <i>Sports Medicine</i> , 2004 , 34, 809-24	10.6	332
16	Age-related differences in synaptic plasticity following muscle unloading. <i>Journal of Neurobiology</i> , 2003 , 57, 246-56		36

15	Unlike myofibers, neuromuscular junctions remain stable during prolonged muscle unloading. <i>Journal of the Neurological Sciences</i> , 2003 , 210, 5-10	3.2	15
14	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
13	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
12	Performance and physiologic adaptations to resistance training. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2002 , 81, S3-16	2.6	170
11	Recovery of neuromuscular junction morphology following 16 days of spaceflight. <i>Synapse</i> , 2001 , 42, 177-84	2.4	14
10	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
9	Effects of resistance training on neuromuscular junction morphology. <i>Muscle and Nerve</i> , 2000 , 23, 1576-84	3.1	60
8	Neuromuscular disturbance outlasts other symptoms of exercise-induced muscle damage. <i>Journal of the Neurological Sciences</i> , 2000 , 174, 92-9	3.2	46
7	Chronobiological effects on exercise performance and selected physiological responses. <i>European Journal of Applied Physiology</i> , 1998 , 77, 249-56	3.4	61
6	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
5	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
4	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
3	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
2	Exercise-induced hormonal changes and their effects upon skeletal muscle tissue. <i>Sports Medicine</i> , 1991 , 12, 80-93	10.6	27
1	Physiological adaptations to resistance exercise. Implications for athletic conditioning. <i>Sports Medicine</i> , 1988 , 6, 246-56	10.6	72