

# Ziad S Mahmassani

## List of Publications by Year in descending order

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28  
papers

721  
citations

586496

16  
h-index

620720

26  
g-index

29  
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29  
docs citations

29  
times ranked

1400  
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term exposure to a clinical dose of metformin increases skeletal muscle mitochondrial H <sub>2</sub> O <sub>2</sub> emission and production in healthy, older adults: A randomized controlled trial. <i>Experimental Gerontology</i> , 2022, 163, 111804.	1.2	3
2	Reduced Physical Activity Alters the Leucine-Stimulated Translatome in Aged Skeletal Muscle. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 2112-2121.	1.7	8
3	Short-term metformin ingestion by healthy older adults improves myoblast function. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C566-C576.	2.1	6
4	Low lysophosphatidylcholine induces skeletal muscle myopathy that is aggravated by high-fat diet feeding. <i>FASEB Journal</i> , 2021, 35, e21867.	0.2	16
5	Cognitive function is preserved in aged mice following long-term $\beta$ -hydroxy $\beta$ -methylbutyrate supplementation. <i>Nutritional Neuroscience</i> , 2020, 23, 170-182.	1.5	5
6	Neutralizing mitochondrial ROS does not rescue muscle atrophy induced by hindlimb unloading in female mice. <i>Journal of Applied Physiology</i> , 2020, 129, 124-132.	1.2	20
7	Influence of Exercise Training on Skeletal Muscle Insulin Resistance in Aging: Spotlight on Muscle Ceramides. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1514.	1.8	24
8	Absence of MyD88 from Skeletal Muscle Protects Female Mice from Inactivity-Induced Adiposity and Insulin Resistance. <i>Obesity</i> , 2020, 28, 772-782.	1.5	13
9	Pharmacological inhibition of TLR4 ameliorates muscle and liver ceramide content after disuse in previously physically active mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R503-R511.	0.9	13
10	Integrin signaling: linking mechanical stimulation to skeletal muscle hypertrophy. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C629-C641.	2.1	84
11	The impact of skeletal muscle contraction on CD146 <sup>+</sup> Lin <sup>+</sup> pericytes. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C1011-C1024.	2.1	18
12	Matrix Topography Regulates Synaptic Transmission at the Neuromuscular Junction. <i>Advanced Science</i> , 2019, 6, 1801521.	5.6	22
13	Aging impairs mouse skeletal muscle macrophage polarization and muscle-specific abundance during recovery from disuse. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E85-E98.	1.8	51
14	Disuse-induced insulin resistance susceptibility coincides with a dysregulated skeletal muscle metabolic transcriptome. <i>Journal of Applied Physiology</i> , 2019, 126, 1419-1429.	1.2	20
15	Commentaries on Viewpoint: "Muscle memory" not mediated by myonuclear number? Secondary analysis of human detraining data. <i>Journal of Applied Physiology</i> , 2019, 127, 1817-1820.	1.2	3
16	Age-dependent skeletal muscle transcriptome response to bed rest-induced atrophy. <i>Journal of Applied Physiology</i> , 2019, 126, 894-902.	1.2	48
17	An accumulation of muscle macrophages is accompanied by altered insulin sensitivity after reduced activity and recovery. <i>Acta Physiologica</i> , 2019, 226, e13251.	1.8	24
18	Skeletal muscle ceramides and relationship with insulin sensitivity after 2 weeks of simulated sedentary behaviour and recovery in healthy older adults. <i>Journal of Physiology</i> , 2018, 596, 5217-5236.	1.3	42

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19	Î±7Î²1 Integrin regulation of gene transcription in skeletal muscle following an acute bout of eccentric exercise. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 312, C638-C650.	2.1	9
20	<i>In Vivo</i> Assessment of Engineered Skin Cell Delivery with Multimodal Optical Microscopy. <i>Tissue Engineering - Part C: Methods</i> , 2017, 23, 434-442.	1.1	3
21	Diet-induced obesity regulates adipose-resident stromal cell quantity and extracellular matrix gene expression. <i>Stem Cell Research</i> , 2016, 17, 181-190.	0.3	23
22	Collagen Scaffolds Incorporating Coincident Gradations of Instructive Structural and Biochemical Cues for Osteotendinous Junction Engineering. <i>Advanced Healthcare Materials</i> , 2015, 4, 831-837.	3.9	54
23	Waterâ€“Hydrogel Binding Affinity Modulates Freeze-Drying-Induced Micropore Architecture and Skeletal Myotube Formation. <i>Biomacromolecules</i> , 2015, 16, 2255-2264.	2.6	20
24	Laminin-111 Improves Skeletal Muscle Stem Cell Quantity and Function Following Eccentric Exercise. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1013-1022.	1.6	32
25	Longitudinal label-free tracking of cell death dynamics in living engineered human skin tissue with a multimodal microscope. <i>Biomedical Optics Express</i> , 2014, 5, 3699.	1.5	19
26	Integrated multimodal optical microscopy for structural and functional imaging of engineered and natural skin. <i>Journal of Biophotonics</i> , 2012, 5, 437-448.	1.1	37
27	The Î±7Î²1-integrin increases muscle hypertrophy following multiple bouts of eccentric exercise. <i>Journal of Applied Physiology</i> , 2011, 111, 1134-1141.	1.2	59
28	The Î±7Î²1-integrin accelerates fiber hypertrophy and myogenesis following a single bout of eccentric exercise. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C938-C946.	2.1	45