Ziad S Mahmassani

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Short-term exposure to a clinical dose of metformin increases skeletal muscle mitochondrial H2O2 emission and production in healthy, older adults: A randomized controlled trial. Experimental Gerontology, 2022, 163, 111804.	2.8	3
2	Reduced Physical Activity Alters the Leucine-Stimulated Translatome in Aged Skeletal Muscle. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 2112-2121.	3.6	8
3	Short-term metformin ingestion by healthy older adults improves myoblast function. American Journal of Physiology - Cell Physiology, 2021, 320, C566-C576.	4.6	6
4	Low lysophosphatidylcholine induces skeletal muscle myopathy that is aggravated by highâ€fat diet feeding. FASEB Journal, 2021, 35, e21867.	0.5	16
5	Cognitive function is preserved in aged mice following long-term β-hydroxy β-methylbutyrate supplementation. Nutritional Neuroscience, 2020, 23, 170-182.	3.1	5
6	Neutralizing mitochondrial ROS does not rescue muscle atrophy induced by hindlimb unloading in female mice. Journal of Applied Physiology, 2020, 129, 124-132.	2.5	20
7	Influence of Exercise Training on Skeletal Muscle Insulin Resistance in Aging: Spotlight on Muscle Ceramides. International Journal of Molecular Sciences, 2020, 21, 1514.	4.1	24
8	Absence of MyD88 from Skeletal Muscle Protects Female Mice from Inactivityâ€Induced Adiposity and Insulin Resistance. Obesity, 2020, 28, 772-782.	3.0	13
9	Pharmacological inhibition of TLR4 ameliorates muscle and liver ceramide content after disuse in previously physically active mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R503-R511.	1.8	13
10	Integrin signaling: linking mechanical stimulation to skeletal muscle hypertrophy. American Journal of Physiology - Cell Physiology, 2019, 317, C629-C641.	4.6	84
11	The impact of skeletal muscle contraction on CD146 ⁺ Lin ^{â^'} pericytes. American Journal of Physiology - Cell Physiology, 2019, 317, C1011-C1024.	4.6	18
12	Matrix Topography Regulates Synaptic Transmission at the Neuromuscular Junction. Advanced Science, 2019, 6, 1801521.	11.2	22
13	Aging impairs mouse skeletal muscle macrophage polarization and muscle-specific abundance during recovery from disuse. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E85-E98.	3.5	51
14	Disuse-induced insulin resistance susceptibility coincides with a dysregulated skeletal muscle metabolic transcriptome. Journal of Applied Physiology, 2019, 126, 1419-1429.	2.5	20
15	Commentaries on Viewpoint: "Muscle memory―not mediated by myonuclear number? Secondary analysis of human detraining data. Journal of Applied Physiology, 2019, 127, 1817-1820.	2.5	3
16	Age-dependent skeletal muscle transcriptome response to bed rest-induced atrophy. Journal of Applied Physiology, 2019, 126, 894-902.	2.5	48
17	An accumulation of muscle macrophages is accompanied by altered insulin sensitivity after reduced activity and recovery. Acta Physiologica, 2019, 226, e13251.	3.8	24
18	Skeletal muscle ceramides and relationship with insulin sensitivity after 2Âweeks of simulated sedentary behaviour and recovery in healthy older adults. Journal of Physiology, 2018, 596, 5217-5236.	2.9	42

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19	α7β1 Integrin regulation of gene transcription in skeletal muscle following an acute bout of eccentric exercise. American Journal of Physiology - Cell Physiology, 2017, 312, C638-C650.	4.6	9
20	<i>In Vivo</i> Assessment of Engineered Skin Cell Delivery with Multimodal Optical Microscopy. Tissue Engineering - Part C: Methods, 2017, 23, 434-442.	2.1	3
21	Diet-induced obesity regulates adipose-resident stromal cell quantity and extracellular matrix gene expression. Stem Cell Research, 2016, 17, 181-190.	0.7	23
22	Collagen Scaffolds Incorporating Coincident Gradations of Instructive Structural and Biochemical Cues for Osteotendinous Junction Engineering. Advanced Healthcare Materials, 2015, 4, 831-837.	7.6	54
23	Water–Hydrogel Binding Affinity Modulates Freeze-Drying-Induced Micropore Architecture and Skeletal Myotube Formation. Biomacromolecules, 2015, 16, 2255-2264.	5.4	20
24	Laminin-111 Improves Skeletal Muscle Stem Cell Quantity and Function Following Eccentric Exercise. Stem Cells Translational Medicine, 2014, 3, 1013-1022.	3.3	32
25	Longitudinal label-free tracking of cell death dynamics in living engineered human skin tissue with a multimodal microscope. Biomedical Optics Express, 2014, 5, 3699.	2.9	19
26	Integrated multimodal optical microscopy for structural and functional imaging of engineered and natural skin. Journal of Biophotonics, 2012, 5, 437-448.	2.3	37
27	The α ₇ β ₁ -integrin increases muscle hypertrophy following multiple bouts of eccentric exercise. Journal of Applied Physiology, 2011, 111, 1134-1141.	2.5	59
28	The α ₇ β ₁ -integrin accelerates fiber hypertrophy and myogenesis following a single bout of eccentric exercise. American Journal of Physiology - Cell Physiology, 2011, 301, C938-C946.	4.6	45