Jarrod A Call

List of Publications by Year
in descending order

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62	1,801	236925	289244
papers	citations	25 h-index	40 g-index

67	67	67	3031
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phosphatidylserine receptor BAI1 and apoptotic cells as new promoters of myoblast fusion. Nature, 2013, 497, 263-267.	27.8	239
2	Endurance capacity in maturing mdx mice is markedly enhanced by combined voluntary wheel running and green tea extract. Journal of Applied Physiology, 2008, 105, 923-932.	2.5	84
3	Progressive resistance voluntary wheel running in the mdx mouse. Muscle and Nerve, 2010, 42, 871-880.	2.2	81
4	Exercise and duchenne muscular dystrophy: Toward evidenceâ€based exercise prescription. Muscle and Nerve, 2011, 43, 464-478.	2.2	64
5	Exercise Training Improves Plantar Flexor Muscle Function in mdx Mice. Medicine and Science in Sports and Exercise, 2012, 44, 1671-1679.	0.4	62
6	Effects of prednisolone on skeletal muscle contractility in mdx mice. Muscle and Nerve, 2009, 40, 443-454.	2.2	61
7	Mitochondrial maintenance via autophagy contributes to functional skeletal muscle regeneration and remodeling. American Journal of Physiology - Cell Physiology, 2016, 311, C190-C200.	4.6	61
8	Ulk1-mediated autophagy plays an essential role in mitochondrial remodeling and functional regeneration of skeletal muscle. American Journal of Physiology - Cell Physiology, 2017, 312, C724-C732.	4.6	60
9	Green tea extract decreases muscle pathology and NF-ÎºB immunostaining in regenerating muscle fibers of mdx mice. Clinical Nutrition, 2010, 29, 391-398.	5.0	58
10	Recommendations to Define Exercise Prescription for Duchenne Muscular Dystrophy. Exercise and Sport Sciences Reviews, 2007, 35, 12-17.	3.0	57
11	Extracellular Superoxide Dismutase Ameliorates Skeletal Muscle Abnormalities, Cachexia, and Exercise Intolerance in Mice with Congestive Heart Failure. Circulation: Heart Failure, 2014, 7, 519-530.	3.9	54
12	Transient HIF2A inhibition promotes satellite cell proliferation and muscle regeneration. Journal of Clinical Investigation, 2018, 128, 2339-2355.	8.2	52
13	Flt-1 haploinsufficiency ameliorates muscular dystrophy phenotype by developmentally increased vasculature in mdx mice. Human Molecular Genetics, 2010, 19, 4145-4159.	2.9	49
14	Passive mechanical properties of maturing extensor digitorum longus are not affected by lack of dystrophin. Muscle and Nerve, 2006, 34, 304-312.	2.2	45
15	Impact of volumetric muscle loss injury on persistent motoneuron axotomy. Muscle and Nerve, 2018, 57, 799-807.	2.2	44
16	Early rehabilitation for volumetric muscle loss injury augments endogenous regenerative aspects of muscle strength and oxidative capacity. BMC Musculoskeletal Disorders, 2018, 19, 173.	1.9	43
17	Acute failure of action potential conduction in mdx muscle reveals new mechanism of contractionâ€induced force loss. Journal of Physiology, 2013, 591, 3765-3776.	2.9	41
18	Adaptive strength gains in dystrophic muscle exposed to repeated bouts of eccentric contraction. Journal of Applied Physiology, 2011, 111, 1768-1777.	2.5	40

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19	PGC-1Î± overexpression partially rescues impaired oxidative and contractile pathophysiology following volumetric muscle loss injury. Scientific Reports, 2019, 9, 4079.	3.3	33
20	Enhanced Skeletal Muscle Expression of Extracellular Superoxide Dismutase Mitigates Streptozotocin-Induced Diabetic Cardiomyopathy by Reducing Oxidative Stress and Aberrant Cell Signaling. Circulation: Heart Failure, 2015, 8, 188-197.	3.9	32
21	Exercise leads to unfavourable cardiac remodelling and enhanced metabolic homeostasis in obese mice with cardiac and skeletal muscle autophagy deficiency. Scientific Reports, 2017, 7, 7894.	3.3	32
22	Mitochondria-cytokine crosstalk following skeletal muscle injury and disuse: a mini-review. American Journal of Physiology - Cell Physiology, 2021, 320, C681-C688.	4.6	30
23	Skeletal muscle metabolic adaptations to endurance exercise training are attainable in mice with simvastatin treatment. PLoS ONE, 2017, 12, e0172551.	2.5	30
24	Musculoskeletal Regeneration, Rehabilitation, and Plasticity Following Traumatic Injury. International Journal of Sports Medicine, 2020, 41, 495-504.	1.7	29
25	Autophagy: an essential but limited cellular process for timely skeletal muscle recovery from injury. Autophagy, 2020, 16, 1344-1347.	9.1	29
26	Skeletal muscle contractile function and neuromuscular performance in Zmpste24 â^'/â^' mice, a murine model of human progeria. Age, 2012, 34, 805-819.	3.0	28
27	Five-dimensional two-photon volumetric microscopy of in-vivo dynamic activities using liquid lens remote focusing. Biomedical Optics Express, 2019, 10, 3591.	2.9	28
28	Quadriceps myopathy caused by skeletal muscle-specific ablation of Î²cyto-actin. Journal of Cell Science, 2011, 124, 951-957.	2.0	27
29	Adaptations of Mouse Skeletal Muscle to Low-Intensity Vibration Training. Medicine and Science in Sports and Exercise, 2013, 45, 1051-1059.	0.4	27
30	Effect of exercise intensity on circulating microparticles in men and women. Experimental Physiology, 2018, 103, 693-700.	2.0	26
31	TAT-Î¼Utrophin mitigates the pathophysiology of dystrophin and utrophin double-knockout mice. Journal of Applied Physiology, 2011, 111, 200-205.	2.5	22
32	Four-week rapamycin treatment improves muscular dystrophy in a fukutin-deficient mouse model of dystroglycanopathy. Skeletal Muscle, 2016, 6, 20.	4.2	20
33	Muscle-derived extracellular superoxide dismutase inhibits endothelial activation and protects against multiple organ dysfunction syndrome in mice. Free Radical Biology and Medicine, 2017, 113, 212-223.	2.9	20
34	Mitochondrial-specific autophagy linked to mitochondrial dysfunction following traumatic freeze injury in mice. American Journal of Physiology - Cell Physiology, 2020, 318, C242-C252.	4.6	19
35	Plantarflexion Contracture in the mdx Mouse. American Journal of Physical Medicine and Rehabilitation, 2010, 89, 976-985.	1.4	18
36	Eccentric Contraction-Induced Muscle Injury: Reproducible, Quantitative, Physiological Models to Impair Skeletal Muscleâ€™s Capacity to Generate Force. Methods in Molecular Biology, 2016, 1460, 3-18.	0.9	17

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37	Two-photon deep-tissue spatially resolved mitochondrial imaging using membrane potential fluorescence fluctuations. Biomedical Optics Express, 2018, 9, 254.	2.9	15
38	Spatial frequency metrics for analysis of microscopic images of musculoskeletal tissues. Connective Tissue Research, 2021, 62, 4-14.	2.3	15
39	Lifelong Ulk1-Mediated Autophagy Deficiency in Muscle Induces Mitochondrial Dysfunction and Contractile Weakness. International Journal of Molecular Sciences, 2021, 22, 1937.	4.1	14
40	Minimal Evidence for a Secondary Loss of Strength After an Acute Muscle Injury: A Systematic Review and Meta-Analysis. Sports Medicine, 2017, 47, 41-59.	6.5	13
41	Aggregate mesenchymal stem cell delivery ameliorates the regenerative niche for muscle repair. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1867-1876.	2.7	11
42	Voluntary running protects against neuromuscular dysfunction following hindlimb ischemia-reperfusion in mice. Journal of Applied Physiology, 2019, 126, 193-201.	2.5	11
43	Effects of alcohol on skeletal muscle contractile performance in male and female mice. PLoS ONE, 2021, 16, e0255946.	2.5	11
44	Independent of physical activity, volumetric muscle loss injury in a murine model impairs whole-body metabolism. PLoS ONE, 2021, 16, e0253629.	2.5	10
45	Experimental intermittent ischemia augments exercise-induced inflammatory cytokine production. Journal of Applied Physiology, 2017, 123, 434-441.	2.5	9
46	Pharmaceutical Agents for Contractile-Metabolic Dysfunction After Volumetric Muscle Loss. Tissue Engineering - Part A, 2022, 28, 795-806.	3.1	8
47	Form of Vitamin E Supplementation Affects Oxidative and Inflammatory Response in Exercising Horses. Journal of Equine Veterinary Science, 2020, 91, 103103.	0.9	6
48	Sexually Dimorphic Effects of a Western Diet on Brain Mitochondrial Bioenergetics and Neurocognitive Function. Nutrients, 2021, 13, 4222.	4.1	6
49	Mitochondrial dysfunction in skeletal muscle of fukutinâ€deficient mice is resistant to exerciseâ€and 5â€aminoimidazoleâ€4â€carboxamide ribonucleotideâ€induced rescue. Experimental Physiology, 2020, 105, 1767-1777.	2.0	4
50	In Vivo Measurement of Hindlimb Dorsiflexor Isometric Torque from Pig. Journal of Visualized Experiments, 2021, , .	0.3	2
51	Autophagy Flux: A Bottleneck in the Clearance of Damaged Organelles and Proteins after Skeletal Muscle Injury. FASEB Journal, 2020, 34, 1-1.	0.5	2
52	Loss of Ulk1 in skeletal muscle and heart prevents exercise protection against dietâ€induced insulin resistance. FASEB Journal, 2015, 29, 821.6.	0.5	1
53	Lifelong Deficiency in Ulk1-Mediated Autophagy Precipitates Skeletal Muscle Aging. Medicine and Science in Sports and Exercise, 2019, 51, 146-146.	0.4	0
54	Exercise and Duchenne Muscular Dystrophy: Towards Evidence-Based Exercise Prescription. Medicine and Science in Sports and Exercise, 2010, 42, 29.	0.4	0

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55	Dystrophin is not required for skeletal muscle to adapt to repeated bouts of lengthening contractions. FASEB Journal, 2011, 25, 1105.13.	0.5	0
56	Ada ptations of mouse skeletal muscle to chronic lowâ€level, highâ€frequency vibration. FASEB Journal, 2011, 25, 1107.21.	0.5	0
57	Forced PGC1a1 Expression Improves Oxidative Capacity And Partially Rescues Strength Following Volumetric Muscle Loss Injury. Medicine and Science in Sports and Exercise, 2018, 50, 845-846.	0.4	0
58	Temporal Changes in Pathologic Fibrosis Following Volumetric Muscle Loss Injury. FASEB Journal, 2020, 34, 1-1.	0.5	0
59	Interplay Between Whole Body Metabolism, Physical Activity, and Muscle Function Following Volumetric Muscle Loss Injury. FASEB Journal, 2020, 34, 1-1.	0.5	0
60	Metabolic and Contractile Pathophysiology Following Volumetric Muscle Loss Injury. FASEB Journal, 2020, 34, 1-1.	0.5	0
61	Ca 2+ â€induced Complex I Inactivity: A Model for Early Mitochondrial Dysfunction Following Volumetric Muscle Loss Injury. FASEB Journal, 2020, 34, 1-1.	0.5	0
62	Considerations for Small Animal Physical Rehabilitation. Physiology in Health and Disease, 2022, , 39-59.	0.3	0