Tyler J Kirby

List of Publications by Year
in descending order

41 papers	3,101 citations	293460 24 h-index	371746 37 g-index
45 all docs	45 docs citations	45 times ranked	4716 citing authors

#	Article	IF	Citations
1	Cross Talk proposal: Myonuclei are lost with ageing and atrophy. Journal of Physiology, 2022, 600, 2077-2080.	1.3	11
2	Cross Talk rebuttal: Kirby and Dupontâ€Versteegden. Journal of Physiology, 2022, 600, 2085-2086.	1.3	5
3	LINCing Nuclear Mechanobiology With Skeletal Muscle Mass and Function. Frontiers in Cell and Developmental Biology, 2021, 9, 690577.	1.8	8
4	Mutant lamins cause nuclear envelope rupture and DNA damage in skeletal muscle cells. Nature Materials, 2020, 19, 464-473.	13.3	148
5	Cell Mechanical and Physiological Behavior in the Regime of Rapid Mechanical Compressions that Lead to Cell Volume Change. Small, 2020, 16, e1903857.	5.2	28
6	Mechanosensitive pathways controlling translation regulatory processes in skeletal muscle and implications for adaptation. Journal of Applied Physiology, 2019, 127, 608-618.	1.2	28
7	Emerging views of the nucleus as a cellular mechanosensor. Nature Cell Biology, 2018, 20, 373-381.	4.6	415
8	Starring or Supporting Role? Satellite Cells and Skeletal Muscle Fiber Size Regulation. Physiology, 2018, 33, 26-38.	1.6	107
9	Myogenic Progenitor Cells Control Extracellular Matrix Production by Fibroblasts during Skeletal Muscle Hypertrophy. Cell Stem Cell, 2017, 20, 56-69.	5.2	276
10	Inducible Overexpression of p21Cip1 in Myotubes Promotes Increases in Protein Synthesis and Myotube Hypertrophy. Medicine and Science in Sports and Exercise, 2017, 49, 501.	0.2	0
11	Synergist Ablation as a Rodent Model to Study Satellite Cell Dynamics in Adult Skeletal Muscle. Methods in Molecular Biology, 2016, 1460, 43-52.	0.4	27
12	Stretch to express. Nature Materials, 2016, 15, 1227-1229.	13.3	13
13	Integrative mRNA-microRNA analyses reveal novel interactions related to insulin sensitivity in human adipose tissue. Physiological Genomics, 2016, 48, 145-153.	1.0	18
14	Myonuclear transcription is responsive to mechanical load and DNA content but uncoupled from cell size during hypertrophy. Molecular Biology of the Cell, 2016, 27, 788-798.	0.9	73
15	Aged Muscle Demonstrates Fiber-Type Adaptations in Response to Mechanical Overload, in the Absence of Myofiber Hypertrophy, Independent of Satellite Cell Abundance. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 461-467.	1.7	41
16	Reduced voluntary running performance is associated with impaired coordination as a result of muscle satellite cell depletion in adult mice. Skeletal Muscle, 2015, 5, 41.	1.9	47
17	The role of microRNAs in skeletal muscle health and disease. Frontiers in Bioscience - Landmark, 2015, 20, 37-77.	3.0	56
18	Identification of a conserved set of upregulated genes in mouse skeletal muscle hypertrophy and regrowth. Journal of Applied Physiology, 2015, 118, 86-97.	1.2	26

#	Article	IF	Citations
19	Blunted hypertrophic response in aged skeletal muscle is associated with decreased ribosome biogenesis. Journal of Applied Physiology, 2015, 119, 321-327.	1.2	75
20	Inducible depletion of satellite cells in adult, sedentary mice impairs muscle regenerative capacity without affecting sarcopenia. Nature Medicine, 2015, 21, 76-80.	15.2	358
21	Differential Effects of Testosterone and Trenbolone on Skeletal Muscle Markers of Ribosome Biogenesis. FASEB Journal, 2015, 29, 825.21.	0.2	0
22	Regulation of the muscle fiber micro environment by activated satellite cells during hypertrophy. FASEB Journal, 2014, 28, 1654-1665.	0.2	225
23	Ribosome Biogenesis: Emerging Evidence for a Central Role in the Regulation of Skeletal Muscle Mass. Journal of Cellular Physiology, 2014, 229, 1584-1594.	2.0	152
24	MicroRNAs in skeletal muscle biology and exercise adaptation. Free Radical Biology and Medicine, 2013, 64, 95-105.	1.3	105
25	Sarcopenia and hypertrophy in aged skeletal muscle is independent of lifelong muscle stem cell depletion. FASEB Journal, 2013, 27, 1150.8.	0.2	1
26	Satellite cell depletion does not inhibit adult skeletal muscle regrowth following unloading-induced atrophy. American Journal of Physiology - Cell Physiology, 2012, 303, C854-C861.	2.1	122
27	Inducible Cre transgenic mouse strain for skeletal muscle-specific gene targeting. Skeletal Muscle, 2012, 2, 8.	1.9	146
28	Effect of leucine supplementation on indices of muscle damage following drop jumps and resistance exercise. Amino Acids, 2012, 42, 1987-1996.	1.2	39
29	Satellite Cells are not Prerequisite for Skeletal Muscle Regrowth Following Unloadingâ€Induced Atrophy. FASEB Journal, 2012, 26, 1143.11.	0.2	0
30	Effect of loading on peak power of the bar, body, and system during power cleans, squats, and jump squats. Journal of Sports Sciences, 2011, 29, 1215-1221.	1.0	83
31	Relative Net Vertical Impulse Determines Jumping Performance. Journal of Applied Biomechanics, 2011, 27, 207-214.	0.3	122
32	A comparison of men's and women's strength to body mass ratio and varus/valgus knee angle during jump landings. Journal of Sports Sciences, 2011, 29, 1435-1442.	1.0	11
33	Model for Progression of Strength, Power, and Speed Training. Strength and Conditioning Journal, 2010, 32, 86-90.	0.7	19
34	Comparison of Kinetic Variables and Muscle Activity During a Squat vs. a Box Squat. Journal of Strength and Conditioning Research, 2010, 24, 3195-3199.	1.0	29
35	Effect of Absolute and Relative Loading on Muscle Activity During Stable and Unstable Squatting. International Journal of Sports Physiology and Performance, 2010, 5, 177-183.	1.1	63
36	Relationship Between Relative Net Vertical Impulse and Jump Height in Jump Squats Performed to Various Squat Depths and With Various Loads. International Journal of Sports Physiology and Performance, 2010, 5, 484-496.	1.1	70

#	Article	IF	Citations
37	Effect Of Absolute And Relative Loading On Muscle Activity During Stable And Unstable Squatting. Journal of Strength and Conditioning Research, 2010, 24, 1.	1.0	0
38	Effect Of Elastic Band Resistance Training During Simulated Microgravity On Neuromuscular Function. Journal of Strength and Conditioning Research, 2010, 24, 1.	1.0	0
39	Effect Of Load On Bar, Body And System Power Output In The Power Clean. Journal of Strength and Conditioning Research, 2010, 24, 1.	1.0	4
40	Effect Of Squat Depth On Vertical Jump Performance Variables. Journal of Strength and Conditioning Research, 2010, 24, 1.	1.0	1
41	Relationship Between Maximal Squat Strength and Five, Ten, and Forty Yard Sprint Times. Journal of Strength and Conditioning Research, 2009, 23, 1633-1636.	1.0	133