Kevin A Murach

List of Publications by Year
in descending order

43 papers	1,617 citations	257450 24 h-index	315739 38 g-index
45 all docs	45 docs citations	45 times ranked	1297 citing authors

#	Article	IF	Citations
1	Epigenetic evidence for distinct contributions of resident and acquired myonuclei during long-term exercise adaptation using timed in vivo myonuclear labeling. American Journal of Physiology - Cell Physiology, 2022, 322, C86-C93.	4.6	19
2	A muscle cellâ€macrophage axis involving matrix metalloproteinase 14 facilitates extracellular matrix remodeling with mechanical loading. FASEB Journal, 2022, 36, e22155.	0.5	18
3	Deletion of SA Î²â€Gal+ cells using senolytics improves muscle regeneration in old mice. Aging Cell, 2022, 21, e13528.	6.7	34
4	Senolytic treatment rescues blunted muscle hypertrophy in old mice. GeroScience, 2022, 44, 1925-1940.	4.6	25
5	Lateâ€life exercise mitigates skeletal muscle epigenetic aging. Aging Cell, 2022, 21, e13527.	6.7	29
6	Exercise Counteracts the Deleterious Effects of Cancer Cachexia. Cancers, 2022, 14, 2512.	3.7	9
7	Muscle-Specific Cellular and Molecular Adaptations to Late-Life Voluntary Concurrent Exercise. Function, 2022, 3, .	2.3	18
8	Early satellite cell communication creates a permissive environment for long-term muscle growth. IScience, 2021, 24, 102372.	4.1	39
9	Genetic and epigenetic regulation of skeletal muscle ribosome biogenesis with exercise. Journal of Physiology, 2021, 599, 3363-3384.	2.9	40
10	Reduced mitochondrial DNA and OXPHOS protein content in skeletal muscle of children with cerebral palsy. Developmental Medicine and Child Neurology, 2021, 63, 1204-1212.	2.1	9
11	Myonuclear transcriptional dynamics in response to exercise following satellite cell depletion. IScience, 2021, 24, 102838.	4.1	28
12	Fusion and beyond: Satellite cell contributions to loadingâ€induced skeletal muscle adaptation. FASEB Journal, 2021, 35, e21893.	0.5	51
13	Nucleus Type-Specific DNA Methylomics Reveals Epigenetic â€œMemoryâ€• of Prior Adaptation in Skeletal Muscle. Function, 2021, 2, zqab038.	2.3	36
14	Fusion-Independent Satellite Cell Communication to Muscle Fibers During Load-Induced Hypertrophy. Function, 2020, 1, zqaa009.	2.3	53
15	Making Mice Mighty: recent advances in translational models of load-induced muscle hypertrophy. Journal of Applied Physiology, 2020, 129, 516-521.	2.5	28
16	Satellite Cell Depletion Disrupts Transcriptional Coordination and Muscle Adaptation to Exercise. Function, 2020, 2, zqaa033.	2.3	43
17	Muscle memory: myonuclear accretion, maintenance, morphology, and miRNA levels with training and detraining in adult mice. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 1705-1722.	7.3	51
18	The myonuclear DNA methylome in response to an acute hypertrophic stimulus. Epigenetics, 2020, 15, 1151-1162.	2.7	27

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19	Depletion of resident muscle stem cells negatively impacts running volume, physical function, and muscle fiber hypertrophy in response to lifelong physical activity. American Journal of Physiology - Cell Physiology, 2020, 318, C1178-C1188.	4.6	62
20	Resident muscle stem cells are not required for testosterone-induced skeletal muscle hypertrophy. American Journal of Physiology - Cell Physiology, 2019, 317, C719-C724.	4.6	23
21	Fiber typing human skeletal muscle with fluorescent immunohistochemistry. Journal of Applied Physiology, 2019, 127, 1632-1639.	2.5	50
22	â€œMuscle memoryâ€•not mediated by myonuclear number? Secondary analysis of human detraining data. Journal of Applied Physiology, 2019, 127, 1814-1816.	2.5	21
23	Elevated myonuclear density during skeletal muscle hypertrophy in response to training is reversed during detraining. American Journal of Physiology - Cell Physiology, 2019, 316, C649-C654.	4.6	63
24	Life-long reduction in myomiR expression does not adversely affect skeletal muscle morphology. Scientific Reports, 2019, 9, 5483.	3.3	29
25	Muscle Fiber Splitting Is a Physiological Response to Extreme Loading in Animals. Exercise and Sport Sciences Reviews, 2019, 47, 108-115.	3.0	29
26	Response. Exercise and Sport Sciences Reviews, 2019, 47, 260-260.	3.0	0
27	Anabolic and Catabolic Signaling Pathways That Regulate Skeletal Muscle Mass. , 2019, , 275-290.		5
28	MyoVision: software for automated high-content analysis of skeletal muscle immunohistochemistry. Journal of Applied Physiology, 2018, 124, 40-51.	2.5	161
29	A novel tetracycline-responsive transgenic mouse strain for skeletal muscle-specific gene expression. Skeletal Muscle, 2018, 8, 33.	4.2	31
30	Myonuclear Domain Flexibility Challenges Rigid Assumptions on Satellite Cell Contribution to Skeletal Muscle Fiber Hypertrophy. Frontiers in Physiology, 2018, 9, 635.	2.8	72
31	Commentaries on Viewpoint: Resistance training and exercise tolerance during high-intensity exercise: moving beyond just running economy and muscle strength. Journal of Applied Physiology, 2018, 124, 529-535.	2.5	1
32	To hypertrophy and beyond! Myostatin and its association to intermuscular adipose tissue with exercise and aging. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R423-R424.	1.8	0
33	Starring or Supporting Role? Satellite Cells and Skeletal Muscle Fiber Size Regulation. Physiology, 2018, 33, 26-38.	3.1	107
34	MicroRNAs, heart failure, and aging: potential interactions with skeletal muscle. Heart Failure Reviews, 2017, 22, 209-218.	3.9	25
35	Methodological issues limit interpretation of negative effects of satellite cell depletion on adult muscle hypertrophy. Development (Cambridge), 2017, 144, 1363-1365.	2.5	27
36	Depletion of Pax7+ satellite cells does not affect diaphragm adaptations to running in young or aged mice. Journal of Physiology, 2017, 595, 6299-6311.	2.9	22

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37	Differential requirement for satellite cells during overload-induced muscle hypertrophy in growing versus mature mice. Skeletal Muscle, 2017, 7, 14.	4.2	119
38	Cycle training modulates satellite cell and transcriptional responses to a bout of resistance exercise. Physiological Reports, 2016, 4, e12973.	1.7	25
39	Delineating the effects of aerobic training <i>versus</i> aerobic capacity on satellite cell behaviour in humans. Journal of Physiology, 2016, 594, 5043-5044.	2.9	0
40	Improving human skeletal muscle myosin heavy chain fiber typing efficiency. Journal of Muscle Research and Cell Motility, 2016, 37, 1-5.	2.0	17
41	Skeletal Muscle Hypertrophy with Concurrent Exercise Training: Contrary Evidence for an Interference Effect. Sports Medicine, 2016, 46, 1029-1039.	6.5	99
42	Single Muscle Fiber Gene Expression with Run Taper. PLoS ONE, 2014, 9, e108547.	2.5	47
43	Concurrent aerobic exercise interferes with the satellite cell response to acute resistance exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R1458-R1465.	1.8	25