Adam P Sharples

List of Publications by Year
in descending order

51 papers	2,140 citations	185998 28 h-index	243296 44 g-index
59 all docs	59 docs citations	59 times ranked	2887 citing authors

#	Article	IF	Citations
1	Human Skeletal Muscle Possesses an Epigenetic Memory of Hypertrophy. Scientific Reports, 2018, 8, 1898.	1.6	204
2	Longevity and skeletal muscle mass: the role of IGF signalling, the sirtuins, dietary restriction and protein intake. Aging Cell, 2015, 14, 511-523.	3.0	166
3	Does skeletal muscle have an â€˜epiâ€™â€memory? The role of epigenetics in nutritional programming, metabolic disease, aging and exercise. Aging Cell, 2016, 15, 603-616.	3.0	143
4	A systems-based investigation into vitamin D and skeletal muscle repair, regeneration, and hypertrophy. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E1019-E1031.	1.8	113
5	Fuel for the work required: a practical approach to amalgamating train-low paradigms for endurance athletes. Physiological Reports, 2016, 4, e12803.	0.7	79
6	Comparative Transcriptome and Methylome Analysis in Human Skeletal Muscle Anabolism, Hypertrophy and Epigenetic Memory. Scientific Reports, 2019, 9, 4251.	1.6	79
7	An epigenetic clock for human skeletal muscle. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 887-898.	2.9	70
8	Factors affecting the structure and maturation of human tissue engineered skeletal muscle. Biomaterials, 2013, 34, 5759-5765.	5.7	69
9	DNA methylation across the genome in aged human skeletal muscle tissue and muscle-derived cells: the role of HOX genes and physical activity. Scientific Reports, 2020, 10, 15360.	1.6	63
10	Modelling <i>in vivo</i> skeletal muscle ageing <i>in vitro</i> using threeâ€dimensional bioengineered constructs. Aging Cell, 2012, 11, 986-995.	3.0	62
11	Methylome of human skeletal muscle after acute & chronic resistance exercise training, detraining & retraining. Scientific Data, 2018, 5, 180213.	2.4	61
12	C₂ and C₂C₁₂ murine skeletal myoblast models of atrophic and hypertrophic potential: Relevance to disease and ageing?. Journal of Cellular Physiology, 2010, 225, 240-250.	2.0	59
13	Skeletal muscle cells possess a â€˜memoryâ€™ of acute early life TNF-Î± exposure: role of epigenetic adaptation. Biogerontology, 2016, 17, 603-617.	2.0	55
14	UBR5 is a novel E3 ubiquitin ligase involved in skeletal muscle hypertrophy and recovery from atrophy. Journal of Physiology, 2019, 597, 3727-3749.	1.3	53
15	Transcriptomic and epigenetic regulation of disuse atrophy and the return to activity in skeletal muscle. FASEB Journal, 2017, 31, 5268-5282.	0.2	51
16	The Interplay Between Exercise Metabolism, Epigenetics, and Skeletal Muscle Remodeling. Exercise and Sport Sciences Reviews, 2020, 48, 188-200.	1.6	47
17	Reduction of myoblast differentiation following multiple population doublings in mouse C2C12 cells: A model to investigate ageing?. Journal of Cellular Biochemistry, 2011, 112, 3773-3785.	1.2	46
18	Postâ€exercise carbohydrate and energy availability induce independent effects on skeletal muscle cell signalling and bone turnover: implications for training adaptation. Journal of Physiology, 2019, 597, 4779-4796.	1.3	43

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19	The role of insulin-like-growth factor binding protein 2 (IGFBP2) and phosphatase and tensin homologue (PTEN) in the regulation of myoblast differentiation and hypertrophy. Growth Hormone and IGF Research, 2013, 23, 53-61.	0.5	42
20	<scp>l</scp>â€glutamine Improves Skeletal Muscle Cell Differentiation and Prevents Myotube Atrophy After Cytokine (TNFâ€Î±) Stress Via Reduced p38 MAPK Signal Transduction. Journal of Cellular Physiology, 2016, 231, 2720-2732.	2.0	41
21	Omega-3 fatty acid EPA improves regenerative capacity of mouse skeletal muscle cells exposed to saturated fat and inflammation. Biogerontology, 2017, 18, 109-129.	2.0	41
22	Testosterone enables growth and hypertrophy in fusion impaired myoblasts that display myotube atrophy: deciphering the role of androgen and IGF-I receptorsÂ. Biogerontology, 2016, 17, 619-639.	2.0	40
23	Sirtuin 1 regulates skeletal myoblast survival and enhances differentiation in the presence of resveratrol. Experimental Physiology, 2012, 97, 400-418.	0.9	39
24	Acute mechanical overload increases IGF-I and MMP-9 mRNA in 3D tissue-engineered skeletal muscle. Biotechnology Letters, 2014, 36, 1113-1124.	1.1	37
25	Metaâ€analysis of genomeâ€wide DNA methylation and integrative omics of age in human skeletal muscle. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 1064-1078.	2.9	37
26	Impaired hypertrophy in myoblasts is improved with testosterone administration. Journal of Steroid Biochemistry and Molecular Biology, 2013, 138, 152-161.	1.2	33
27	Myoblast models of skeletal muscle hypertrophy and atrophy. Current Opinion in Clinical Nutrition and Metabolic Care, 2011, 14, 230-236.	1.3	32
28	Graded reductions in preexercise muscle glycogen impair exercise capacity but do not augment skeletal muscle cell signaling: implications for CHO periodization. Journal of Applied Physiology, 2019, 126, 1587-1597.	1.2	31
29	The role of resveratrol on skeletal muscle cell differentiation and myotube hypertrophy during glucose restriction. Molecular and Cellular Biochemistry, 2018, 444, 109-123.	1.4	29
30	Postexercise cold water immersion modulates skeletal muscle PGC-1Î± mRNA expression in immersed and nonimmersed limbs: evidence of systemic regulation. Journal of Applied Physiology, 2017, 123, 451-459.	1.2	28
31	Resistance training rejuvenates the mitochondrial methylome in aged human skeletal muscle. FASEB Journal, 2021, 35, e21864.	0.2	28
32	Postprandial Triacylglycerol in Adolescent Boys. Medicine and Science in Sports and Exercise, 2008, 40, 1049-1056.	0.2	27
33	Postexercise High-Fat Feeding Suppresses p70S6K1 Activity in Human Skeletal Muscle. Medicine and Science in Sports and Exercise, 2016, 48, 2108-2117.	0.2	26
34	Mimicking exercise in threeâ€dimensional bioengineered skeletal muscle to investigate cellular and molecular mechanisms of physiological adaptation. Journal of Cellular Physiology, 2018, 233, 1985-1998.	2.0	26
35	Knockdown of the E3 ubiquitin ligase UBR5 and its role in skeletal muscle anabolism. American Journal of Physiology - Cell Physiology, 2021, 320, C45-C56.	2.1	20
36	The Comparative Methylome and Transcriptome After Change of Direction Compared to Straight Line Running Exercise in Human Skeletal Muscle. Frontiers in Physiology, 2021, 12, 619447.	1.3	19

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37	Mechanical loading of bioengineered skeletal muscle in vitro recapitulates gene expression signatures of resistance exercise in vivo. Journal of Cellular Physiology, 2021, 236, 6534-6547.	2.0	11
38	Epigenetics of Skeletal Muscle Aging. , 2018, , 389-416.		10
39	Exercise and DNA methylation in skeletal muscle. , 2019, , 211-229.		10
40	Murine myoblast migration: influence of replicative ageing and nutrition. Biogerontology, 2017, 18, 947-964.	2.0	8
41	Exercising Bioengineered Skeletal Muscle In Vitro: Biopsy to Bioreactor. Methods in Molecular Biology, 2019, 1889, 55-79.	0.4	8
42	Graded reductions in preâ€exercise glycogen concentration do not augment exerciseâ€induced nuclear AMPK and PGCâ€1Î± protein content in human muscle. Experimental Physiology, 2020, 105, 1882-1894.	0.9	8
43	Ubiquitin Ligases in Longevity and Aging Skeletal Muscle. International Journal of Molecular Sciences, 2022, 23, 7602.	1.8	7
44	Whey Protein Augments Leucinemia and Postexercise p70S6K1 Activity Compared With a Hydrolyzed Collagen Blend When in Recovery From Training With Low Carbohydrate Availability. International Journal of Sport Nutrition and Exercise Metabolism, 2018, 28, 651-659.	1.0	6
45	PGC-1Î± alternative promoter (Exon 1b) controls augmentation of total PGC-1Î± gene expression in response to cold water immersion and low glycogen availability. European Journal of Applied Physiology, 2020, 120, 2487-2493.	1.2	6
46	Skeletal Muscle Possesses an Epigenetic Memory of Exercise: Role of Nucleus Type-Specific DNA Methylation. Function, 2021, 2, zqab047.	1.1	6
47	Low preâ€exercise muscle glycogen availability offsets the effect of postâ€exercise cold water immersion in augmenting PGCâ€1Î± gene expression. Physiological Reports, 2019, 7, e14082.	0.7	5
48	Commentaries on Viewpoint: â€œMuscle memoryâ€•not mediated by myonuclear number? Secondary analysis of human detraining data. Journal of Applied Physiology, 2019, 127, 1817-1820.	1.2	3
49	Cellular and Molecular Exercise Physiology: A Historical Perspective for the Discovery of Mechanisms Contributing to Skeletal Muscle Adaptation. Cellular and Molecular Exercise Physiology, 2017, 5, .	0.7	2
50	Vitamin D and Skeletal Muscle Regeneration: A Systems Approach. Japanese Journal of Physical Fitness and Sports Medicine, 2016, 65, 157-157.	0.0	0
51	The role of UBR5 on Mitogenâ€activated protein kinase (MAPK) signalling and muscle mass regulation in mice. FASEB Journal, 2020, 34, 1-1.	0.2	0