Adam P Sharples

List of Publications by Year in Descending Order

52 papers	1,440 citations	26 h-index	37 g-index
59 ext. papers	1,811 ext. citations	4.8 avg, IF	4.8 L-index

#	Paper	IF	Citations
52	Meta-analysis of genome-wide DNA methylation and integrative omics of age in human skeletal muscle. *Journal of Cachexia, Sarcopenia and Muscle*, **2021**, 12, 1064-1078	10.3	12
51	Knockdown of the E3 ubiquitin ligase UBR5 and its role in skeletal muscle anabolism. *American Journal of Physiology - Cell Physiology*, **2021**, 320, C45-C56	5.4	7
50	Skeletal Muscle Possesses an Epigenetic Memory of Exercise: Role of Nucleus Type-Specific DNA Methylation.. *Function*, **2021**, 2, zqab047	6.1	1
49	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	7	2
48	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	4.6	4
47	Resistance training rejuvenates the mitochondrial methylome in aged human skeletal muscle. *FASEB Journal*, **2021**, 35, e21864	0.9	6
46	The role of UBR5 on Mitogen-activated protein kinase (MAPK) signalling and muscle mass regulation in mice. *FASEB Journal*, **2020**, 34, 1-1	0.9	
45	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	4.9	27
44	Graded reductions in pre-exercise glycogen concentration do not augment exercise-induced nuclear AMPK and PGC-1α protein content in human muscle. *Experimental Physiology*, **2020**, 105, 1882-1894	3.4	6
43	PGC-1α alternative promoter (Exon 1b) controls augmentation of total PGC-1α gene expression in response to cold water immersion and low glycogen availability. *European Journal of Applied Physiology*, **2020**, 120, 2487-2493	3.4	3
42	The Interplay Between Exercise Metabolism, Epigenetics, and Skeletal Muscle Remodeling. *Exercise and Sport Sciences Reviews*, **2020**, 48, 188-200	6.7	11
41	An epigenetic clock for human skeletal muscle. *Journal of Cachexia, Sarcopenia and Muscle*, **2020**, 11, 887-898	10.3	29
40	Exercise and DNA methylation in skeletal muscle **2019**, 211-229		4
39	Low pre-exercise muscle glycogen availability offsets the effect of post-exercise cold water immersion in augmenting PGC-1α gene expression. *Physiological Reports*, **2019**, 7, e14082	2.6	5
38	UBR5 is a novel E3 ubiquitin ligase involved in skeletal muscle hypertrophy and recovery from atrophy. *Journal of Physiology*, **2019**, 597, 3727-3749	3.9	34
37	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	3.7	21
36	Comparative Transcriptome and Methylome Analysis in Human Skeletal Muscle Anabolism, Hypertrophy and Epigenetic Memory. *Scientific Reports*, **2019**, 9, 4251	4.9	47

35	Post-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	3.9	28
34	Commentaries on Viewpoint: "Muscle memory" not mediated by myonuclear number? Secondary analysis of human detraining data. *Journal of Applied Physiology*, **2019**, 127, 1817-1820	3.7	1
33	Exercising Bioengineered Skeletal Muscle In Vitro: Biopsy to Bioreactor. *Methods in Molecular Biology*, **2019**, 1889, 55-79	1.4	5
32	Human Skeletal Muscle Possesses an Epigenetic Memory of Hypertrophy. *Scientific Reports*, **2018**, 8, 1898	4.9	130
31	Mimicking exercise in three-dimensional bioengineered skeletal muscle to investigate cellular and molecular mechanisms of physiological adaptation. *Journal of Cellular Physiology*, **2018**, 233, 1985-1998	7	22
30	Methylome of human skeletal muscle after acute & chronic resistance exercise training, detraining & retraining. *Scientific Data*, **2018**, 5, 180213	8.2	36
29	The role of resveratrol on skeletal muscle cell differentiation and myotube hypertrophy during glucose restriction. *Molecular and Cellular Biochemistry*, **2018**, 444, 109-123	4.2	26
28	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	4.4	5
27	Epigenetics of Skeletal Muscle Aging **2018**, 389-416		6
26	Postexercise cold water immersion modulates skeletal muscle PGC-1 mRNA expression in immersed and nonimmersed limbs: evidence of systemic regulation. *Journal of Applied Physiology*, **2017**, 123, 451-459	3.7	25
25	Transcriptomic and epigenetic regulation of disuse atrophy and the return to activity in skeletal muscle. *FASEB Journal*, **2017**, 31, 5268-5282	0.9	31
24	Murine myoblast migration: influence of replicative ageing and nutrition. *Biogerontology*, **2017**, 18, 947-964	4.5	4
23	Omega-3 fatty acid EPA improves regenerative capacity of mouse skeletal muscle cells exposed to saturated fat and inflammation. *Biogerontology*, **2017**, 18, 109-129	4.5	32
22	Skeletal muscle cells possess a TmemoryTof acute early life TNF-exposure: role of epigenetic adaptation. *Biogerontology*, **2016**, 17, 603-17	4.5	38
21	Testosterone enables growth and hypertrophy in fusion impaired myoblasts that display myotube atrophy: deciphering the role of androgen and IGF-I receptors. *Biogerontology*, **2016**, 17, 619-39	4.5	29
20	Vitamin D and Skeletal Muscle Regeneration: A Systems Approach. *Japanese Journal of Physical Fitness and Sports Medicine*, **2016**, 65, 157-157	0.1	
19	l-glutamine Improves Skeletal Muscle Cell Differentiation and Prevents Myotube Atrophy After Cytokine (TNF-)Stress Via Reduced p38 MAPK Signal Transduction. *Journal of Cellular Physiology*, **2016**, 231, 2720-32	7	29
18	Postexercise High-Fat Feeding Suppresses p70S6K1 Activity in Human Skeletal Muscle. *Medicine and Science in Sports and Exercise*, **2016**, 48, 2108-2117	1.2	19

17	Fuel for the work required: a practical approach to amalgamating train-low paradigms for endurance athletes. *Physiological Reports*, **2016**, 4, e12803	2.6	65
16	Does skeletal muscle have an Ŧepi׳Ŧmemory? The role of epigenetics in nutritional programming, metabolic disease, aging and exercise. *Aging Cell*, **2016**, 15, 603-16	9.9	101
15	Longevity and skeletal muscle mass: the role of IGF signalling, the sirtuins, dietary restriction and protein intake. *Aging Cell*, **2015**, 14, 511-23	9.9	128
14	A systems-based investigation into vitamin D and skeletal muscle repair, regeneration, and hypertrophy. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 309, E1019-31	6	87
13	Acute mechanical overload increases IGF-I and MMP-9 mRNA in 3D tissue-engineered skeletal muscle. *Biotechnology Letters*, **2014**, 36, 1113-24	3	29
12	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	2	32
11	Impaired hypertrophy in myoblasts is improved with testosterone administration. *Journal of Steroid Biochemistry and Molecular Biology*, **2013**, 138, 152-61	5.1	28
10	Factors affecting the structure and maturation of human tissue engineered skeletal muscle. *Biomaterials*, **2013**, 34, 5759-65	15.6	61
9	Modelling in vivo skeletal muscle ageing in vitro using three-dimensional bioengineered constructs. *Aging Cell*, **2012**, 11, 986-95	9.9	52
8	Sirtuin 1 regulates skeletal myoblast survival and enhances differentiation in the presence of resveratrol. *Experimental Physiology*, **2012**, 97, 400-18	2.4	34
7	Myoblast models of skeletal muscle hypertrophy and atrophy. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2011**, 14, 230-6	3.8	27
6	Reduction of myoblast differentiation following multiple population doublings in mouse C2 C12 cells: a model to investigate ageing?. *Journal of Cellular Biochemistry*, **2011**, 112, 3773-85	4.7	32
5	C2 and C2C12 murine skeletal myoblast models of atrophic and hypertrophic potential: relevance to disease and ageing?. *Journal of Cellular Physiology*, **2010**, 225, 240-50	7	48
4	Postprandial triacylglycerol in adolescent boys: a case for moderate exercise. *Medicine and Science in Sports and Exercise*, **2008**, 40, 1049-56	1.2	23
3	Knockdown of the E3 Ubiquitin ligase UBR5 and its role in skeletal muscle anabolism		2
2	DNA methylation across the genome in aged human skeletal muscle tissue and stem cells: The role of HOX genes and physical activity		3
1	Meta-analysis of genome-wide DNA methylation and integrative OMICs in human skeletal muscle		1