Scott Trappe

List of Publications by Citations

52 papers	4,060 citations	35 h-index	52 g-index
52 ext. papers	4,655 ext. citations	4.9 avg, IF	5.12 L-index

#	Paper	IF	Citations
52	Time course of proteolytic, cytokine, and myostatin gene expression after acute exercise in human skeletal muscle. *Journal of Applied Physiology*, **2007**, 103, 1744-51	3.7	323
51	Exercise in space: human skeletal muscle after 6 months aboard the International Space Station. *Journal of Applied Physiology*, **2009**, 106, 1159-68	3.7	283
50	Single muscle fibre contractile properties in young and old men and women. *Journal of Physiology*, **2003**, 552, 47-58	3.9	240
49	Effect of resistance training on single muscle fiber contractile function in older men. *Journal of Applied Physiology*, **2000**, 89, 143-52	3.7	198
48	Time course of myogenic and metabolic gene expression in response to acute exercise in human skeletal muscle. *Journal of Applied Physiology*, **2005**, 98, 1745-52	3.7	193
47	Human single muscle fibre function with 84 day bed-rest and resistance exercise. *Journal of Physiology*, **2004**, 557, 501-13	3.9	192
46	Myogenic gene expression at rest and after a bout of resistance exercise in young (18-30 yr) and old (80-89 yr) women. *Journal of Applied Physiology*, **2006**, 101, 53-9	3.7	149
45	Transcriptome signature of resistance exercise adaptations: mixed muscle and fiber type specific profiles in young and old adults. *Journal of Applied Physiology*, **2012**, 112, 1625-36	3.7	147
44	Aerobic exercise training improves whole muscle and single myofiber size and function in older women. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2009**, 297, R1452-9	3.2	145
43	Resistance training improves single muscle fiber contractile function in older women. *American Journal of Physiology - Cell Physiology*, **2001**, 281, C398-406	5.4	126
42	Aerobic exercise training induces skeletal muscle hypertrophy and age-dependent adaptations in myofiber function in young and older men. *Journal of Applied Physiology*, **2012**, 113, 1495-504	3.7	123
41	Proteolytic gene expression differs at rest and after resistance exercise between young and old women. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2007**, 62, 1407-12	6.4	116
40	Single muscle fiber gene expression in human skeletal muscle: validation of internal control with exercise. *Biochemical and Biophysical Research Communications*, **2004**, 320, 1043-50	3.4	115
39	Improvements in whole muscle and myocellular function are limited with high-intensity resistance training in octogenarian women. *Journal of Applied Physiology*, **2009**, 106, 1611-7	3.7	112
38	Single muscle fiber adaptations to resistance training in old (>80 yr) men: evidence for limited skeletal muscle plasticity. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 295, R273-80	3.2	110
37	Influence of muscle glycogen availability on ERK1/2 and Akt signaling after resistance exercise in human skeletal muscle. *Journal of Applied Physiology*, **2005**, 99, 950-6	3.7	110
36	Single muscle fiber adaptations with marathon training. *Journal of Applied Physiology*, **2006**, 101, 721-7	3.7	97

35	Proteolytic mRNA expression in response to acute resistance exercise in human single skeletal muscle fibers. *Journal of Applied Physiology*, **2006**, 101, 1442-50	3.7	87
34	Maintenance of whole muscle strength and size following resistance training in older men. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2002**, 57, B138-43	6.4	79
33	Resistance training preserves skeletal muscle function during unloading in humans. *Medicine and Science in Sports and Exercise*, **2002**, 34, 303-13	1.2	77
32	Single-cell transcriptional profiles in human skeletal muscle. *Scientific Reports*, **2020**, 10, 229	4.9	73
31	Single muscle fiber function with concurrent exercise or nutrition countermeasures during 60 days of bed rest in women. *Journal of Applied Physiology*, **2007**, 103, 1242-50	3.7	70
30	Cardiorespiratory responses to physical work during and following 17 days of bed rest and spaceflight. *Journal of Applied Physiology*, **2006**, 100, 951-7	3.7	67
29	New records in aerobic power among octogenarian lifelong endurance athletes. *Journal of Applied Physiology*, **2013**, 114, 3-10	3.7	63
28	Human soleus single muscle fiber function with exercise or nutrition countermeasures during 60 days of bed rest. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* , **2008**, 294, R939-47	3.2	59
27	Marathon runners: how do they age?. *Sports Medicine*, **2007**, 37, 302-5	10.6	54
26	Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to Exercise. *Cell*, **2020**, 181, 1464-1474	56.2	51
25	Cardiovascular and skeletal muscle health with lifelong exercise. *Journal of Applied Physiology*, **2018** , 125, 1636-1645	3.7	51
24	Single muscle fiber contractile properties of young competitive distance runners. *Journal of Applied Physiology*, **2008**, 105, 629-36	3.7	47
23	Effect of swim taper on whole muscle and single muscle fiber contractile properties. *Medicine and Science in Sports and Exercise*, **2001**, 48-56	1.2	47
22	Skeletal muscle signature of a champion sprint runner. *Journal of Applied Physiology*, **2015**, 118, 1460-6	3.7	42
21	Effect of swim taper on whole muscle and single muscle fiber contractile properties. *Medicine and Science in Sports and Exercise*, **2000**, 32, 48-56	1.2	42
20	Single muscle fiber gene expression with run taper. *PLoS ONE*, **2014**, 9, e108547	3.7	41
19	Human skeletal muscle fiber type specific protein content. *Analytical Biochemistry*, **2012**, 425, 175-82	3.1	40
18	Master athletes. *International Journal of Sport Nutrition and Exercise Metabolism*, **2001**, 11 Suppl, S196-207	4.4	37

17	Resistance exercise, skeletal muscle FOXO3A, and 85-year-old women. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2010**, 65, 335-43	6.4	34
16	Myocellular basis for tapering in competitive distance runners. *Journal of Applied Physiology*, **2010**, 108, 1501-9	3.7	34
15	Human vastus lateralis and soleus muscles display divergent cellular contractile properties. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 295, R1593-8	3.2	29
14	DNA methylation assessment from human slow- and fast-twitch skeletal muscle fibers. *Journal of Applied Physiology*, **2017**, 122, 952-967	3.7	28
13	Improved single muscle fiber quality in the oldest-old. *Journal of Applied Physiology*, **2016**, 121, 878-884	3.7	27
12	TWEAK-Fn14 pathway activation after exercise in human skeletal muscle: insights from two exercise modes and a time course investigation. *Journal of Applied Physiology*, **2015**, 118, 569-78	3.7	23
11	Skeletal muscle size, function, and adiposity with lifelong aerobic exercise. *Journal of Applied Physiology*, **2020**, 128, 368-378	3.7	23
10	Exerkines in health, resilience and disease.. *Nature Reviews Endocrinology*, **2022**,	15.2	17
9	Single-muscle fiber contractile properties in lifelong aerobic exercising women. *Journal of Applied Physiology*, **2019**, 127, 1710-1719	3.7	14
8	Myocellular Responses to Concurrent Flywheel Training during 70 Days of Bed Rest. *Medicine and Science in Sports and Exercise*, **2018**, 50, 1950-1960	1.2	11
7	Effects of spaceflight, simulated spaceflight and countermeasures on single muscle fiber physiology. *Journal of Gravitational Physiology: A Journal of the International Society for Gravitational Physiology*, **2002**, 9, P323-6		6
6	Low-dose aspirin and COX inhibition in human skeletal muscle. *Journal of Applied Physiology*, **2020**, 129, 1477-1482	3.7	3
5	Influence of low-dose aspirin, resistance exercise, and sex on human skeletal muscle PGE /COX pathway activity. *Physiological Reports*, **2021**, 9, e14790	2.6	2
4	Single muscle fibre contractile characteristics with lifelong endurance exercise. *Journal of Physiology*, **2021**, 599, 3549-3565	3.9	2
3	Human adipose and skeletal muscle tissue DNA, RNA, and protein content. *Journal of Applied Physiology*, **2021**, 131, 1370-1379	3.7	1
2	Reply to Lepers et al. *Journal of Applied Physiology*, **2013**, 114, 830	3.7	
1	Reply to Venturelli and colleagues. *Journal of Applied Physiology*, **2016**, 121, 1235	3.7	