

Scott Trappe

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Exerkines in health, resilience and disease.. <i>Nature Reviews Endocrinology</i> , 2022 ,	15.2	17
51	Influence of low-dose aspirin, resistance exercise, and sex on human skeletal muscle PGE /COX pathway activity. <i>Physiological Reports</i> , 2021 , 9, e14790	2.6	2
50	Single muscle fibre contractile characteristics with lifelong endurance exercise. <i>Journal of Physiology</i> , 2021 , 599, 3549-3565	3.9	2
49	Human adipose and skeletal muscle tissue DNA, RNA, and protein content. <i>Journal of Applied Physiology</i> , 2021 , 131, 1370-1379	3.7	1
48	Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to Exercise. <i>Cell</i> , 2020 , 181, 1464-1474	56.2	51
47	Single-cell transcriptional profiles in human skeletal muscle. <i>Scientific Reports</i> , 2020 , 10, 229	4.9	73
46	Skeletal muscle size, function, and adiposity with lifelong aerobic exercise. <i>Journal of Applied Physiology</i> , 2020 , 128, 368-378	3.7	23
45	Low-dose aspirin and COX inhibition in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2020 , 129, 1477-1482	3.7	3
44	Single-muscle fiber contractile properties in lifelong aerobic exercising women. <i>Journal of Applied Physiology</i> , 2019 , 127, 1710-1719	3.7	14
43	Myocellular Responses to Concurrent Flywheel Training during 70 Days of Bed Rest. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1950-1960	1.2	11
42	Cardiovascular and skeletal muscle health with lifelong exercise. <i>Journal of Applied Physiology</i> , 2018 , 125, 1636-1645	3.7	51
41	DNA methylation assessment from human slow- and fast-twitch skeletal muscle fibers. <i>Journal of Applied Physiology</i> , 2017 , 122, 952-967	3.7	28
40	Reply to Venturelli and colleagues. <i>Journal of Applied Physiology</i> , 2016 , 121, 1235	3.7	
39	Improved single muscle fiber quality in the oldest-old. <i>Journal of Applied Physiology</i> , 2016 , 121, 878-884	3.7	27
38	TWEAK-Fn14 pathway activation after exercise in human skeletal muscle: insights from two exercise modes and a time course investigation. <i>Journal of Applied Physiology</i> , 2015 , 118, 569-78	3.7	23
37	Skeletal muscle signature of a champion sprint runner. <i>Journal of Applied Physiology</i> , 2015 , 118, 1460-6	3.7	42
36	Single muscle fiber gene expression with run taper. <i>PLoS ONE</i> , 2014 , 9, e108547	3.7	41

35	Reply to Lepers et al. <i>Journal of Applied Physiology</i> , 2013 , 114, 830	3.7	
34	New records in aerobic power among octogenarian lifelong endurance athletes. <i>Journal of Applied Physiology</i> , 2013 , 114, 3-10	3.7	63
33	Transcriptome signature of resistance exercise adaptations: mixed muscle and fiber type specific profiles in young and old adults. <i>Journal of Applied Physiology</i> , 2012 , 112, 1625-36	3.7	147
32	Aerobic exercise training induces skeletal muscle hypertrophy and age-dependent adaptations in myofiber function in young and older men. <i>Journal of Applied Physiology</i> , 2012 , 113, 1495-504	3.7	123
31	Human skeletal muscle fiber type specific protein content. <i>Analytical Biochemistry</i> , 2012 , 425, 175-82	3.1	40
30	Resistance exercise, skeletal muscle FOXO3A, and 85-year-old women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010 , 65, 335-43	6.4	34
29	Myocellular basis for tapering in competitive distance runners. <i>Journal of Applied Physiology</i> , 2010 , 108, 1501-9	3.7	34
28	Improvements in whole muscle and myocellular function are limited with high-intensity resistance training in octogenarian women. <i>Journal of Applied Physiology</i> , 2009 , 106, 1611-7	3.7	112
27	Aerobic exercise training improves whole muscle and single myofiber size and function in older women. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 297, R1452-9	3.2	145
26	Exercise in space: human skeletal muscle after 6 months aboard the International Space Station. <i>Journal of Applied Physiology</i> , 2009 , 106, 1159-68	3.7	283
25	Single muscle fiber adaptations to resistance training in old (>80 yr) men: evidence for limited skeletal muscle plasticity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 295, R273-80	3.2	110
24	Human soleus single muscle fiber function with exercise or nutrition countermeasures during 60 days of bed rest. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R939-47	3.2	59
23	Human vastus lateralis and soleus muscles display divergent cellular contractile properties. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 295, R1593-8	3.2	29
22	Single muscle fiber contractile properties of young competitive distance runners. <i>Journal of Applied Physiology</i> , 2008 , 105, 629-36	3.7	47
21	Single muscle fiber function with concurrent exercise or nutrition countermeasures during 60 days of bed rest in women. <i>Journal of Applied Physiology</i> , 2007 , 103, 1242-50	3.7	70
20	Proteolytic gene expression differs at rest and after resistance exercise between young and old women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007 , 62, 1407-12	6.4	116
19	Time course of proteolytic, cytokine, and myostatin gene expression after acute exercise in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2007 , 103, 1744-51	3.7	323
18	Marathon runners: how do they age?. <i>Sports Medicine</i> , 2007 , 37, 302-5	10.6	54

17	Myogenic gene expression at rest and after a bout of resistance exercise in young (18-30 yr) and old (80-89 yr) women. <i>Journal of Applied Physiology</i> , 2006 , 101, 53-9	3.7	149
16	Single muscle fiber adaptations with marathon training. <i>Journal of Applied Physiology</i> , 2006 , 101, 721-7	3.7	97
15	Cardiorespiratory responses to physical work during and following 17 days of bed rest and spaceflight. <i>Journal of Applied Physiology</i> , 2006 , 100, 951-7	3.7	67
14	Proteolytic mRNA expression in response to acute resistance exercise in human single skeletal muscle fibers. <i>Journal of Applied Physiology</i> , 2006 , 101, 1442-50	3.7	87
13	Influence of muscle glycogen availability on ERK1/2 and Akt signaling after resistance exercise in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2005 , 99, 950-6	3.7	110
12	Time course of myogenic and metabolic gene expression in response to acute exercise in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2005 , 98, 1745-52	3.7	193
11	Human single muscle fibre function with 84 day bed-rest and resistance exercise. <i>Journal of Physiology</i> , 2004 , 557, 501-13	3.9	192
10	Single muscle fiber gene expression in human skeletal muscle: validation of internal control with exercise. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 320, 1043-50	3.4	115
9	Single muscle fibre contractile properties in young and old men and women. <i>Journal of Physiology</i> , 2003 , 552, 47-58	3.9	240
8	Maintenance of whole muscle strength and size following resistance training in older men. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2002 , 57, B138-43	6.4	79
7	Resistance training preserves skeletal muscle function during unloading in humans. <i>Medicine and Science in Sports and Exercise</i> , 2002 , 34, 303-13	1.2	77
6	Effects of spaceflight, simulated spaceflight and countermeasures on single muscle fiber physiology. <i>Journal of Gravitational Physiology: A Journal of the International Society for Gravitational Physiology</i> , 2002 , 9, P323-6		6
5	Master athletes. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2001 , 11 Suppl, S196-207	4.4	37
4	Resistance training improves single muscle fiber contractile function in older women. <i>American Journal of Physiology - Cell Physiology</i> , 2001 , 281, C398-406	5.4	126
3	Effect of swim taper on whole muscle and single muscle fiber contractile properties. <i>Medicine and Science in Sports and Exercise</i> , 2001 , 48-56	1.2	47
2	Effect of resistance training on single muscle fiber contractile function in older men. <i>Journal of Applied Physiology</i> , 2000 , 89, 143-52	3.7	198
1	Effect of swim taper on whole muscle and single muscle fiber contractile properties. <i>Medicine and Science in Sports and Exercise</i> , 2000 , 32, 48-56	1.2	42