Robert H Fitts

List of Publications by Year
in descending order

31 papers	2,861 citations	279798 23 h-index	501196 28 g-index
32 all docs	32 docs citations	32 times ranked	2867 citing authors

#	Article	IF	Citations
1	Contractility of Induced Pluripotent Stem Cell-Cardiomyocytes With an MYH6 Head Domain Variant Associated With Hypoplastic Left Heart Syndrome. Frontiers in Cell and Developmental Biology, 2020, 8, 440.	3.7	30
2	Ca²⁺dependency of limb muscle fiber contractile mechanics in young and older adults. American Journal of Physiology - Cell Physiology, 2020, 318, C1238-C1251.	4.6	14
3	Bioenergetic basis of skeletal muscle fatigue. Current Opinion in Physiology, 2019, 10, 118-127.	1.8	53
4	Bioenergetic basis for the increased fatigability with ageing. Journal of Physiology, 2019, 597, 4943-4957.	2.9	40
5	Effects of elevated H⁺ and P_i on the contractile mechanics of skeletal muscle fibres from young and old men: implications for muscle fatigue in humans. Journal of Physiology, 2018, 596, 3993-4015.	2.9	60
6	Calsequestrin depolymerizes when calcium is depleted in the sarcoplasmic reticulum of working muscle. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E638-E647.	7.1	55
7	Muscle Fatigue from the Perspective of a Single Crossbridge. Medicine and Science in Sports and Exercise, 2016, 48, 2270-2280.	0.4	67
8	The Role of Acidosis in Fatigue. Medicine and Science in Sports and Exercise, 2016, 48, 2335-2338.	0.4	81
9	Weekly Versus Monthly Testosterone Administration on Fast and Slow Skeletal Muscle Fibers in Older Adult Males. Journal of Clinical Endocrinology and Metabolism, 2015, 100, E223-E231.	3.6	25
10	Effects of low cell pH and elevated inorganic phosphate on the pCa-force relationship in single muscle fibers at near-physiological temperatures. American Journal of Physiology - Cell Physiology, 2014, 306, C670-C678.	4.6	54
11	Phosphate and acidosis act synergistically to depress peak power in rat muscle fibers. American Journal of Physiology - Cell Physiology, 2014, 307, C939-C950.	4.6	44
12	Skeletal Muscle Fatigue. , 2012, 2, 997-1044.		144
13	New insights on sarcoplasmic reticulum calcium regulation in muscle fatigue. Journal of Applied Physiology, 2011, 111, 345-346.	2.5	9
14	Exercise in space: human skeletal muscle after 6 months aboard the International Space Station. Journal of Applied Physiology, 2009, 106, 1159-1168.	2.5	354
15	The cross-bridge cycle and skeletal muscle fatigue. Journal of Applied Physiology, 2008, 104, 551-558.	2.5	279
16	Effects of Regular Exercise Training on Skeletal Muscle Contractile Function. American Journal of Physical Medicine and Rehabilitation, 2003, 82, 320-331.	1.4	52
17	Effects of depolarization and low intracellular pH on charge movement currents of frog skeletal muscle fibers. Journal of Applied Physiology, 2001, 90, 228-234.	2.5	19
18	Comparison of a space shuttle flight (STS-78) and bed rest on human muscle function. Journal of Applied Physiology, 2001, 91, 57-64.	2.5	79

#	Article	IF	Citations
19	Functional and structural adaptations of skeletal muscle to microgravity. Journal of Experimental Biology, 2001, 204, 3201-3208.	1.7	366
20	Decreased thin filament density and length in human atrophic soleus muscle fibers after spaceflight. Journal of Applied Physiology, 2000, 88, 567-572.	2.5	104
21	Physiology of a Microgravity Environment Invited Review: Microgravity and skeletal muscle. Journal of Applied Physiology, 2000, 89, 823-839.	2.5	491
22	Spaceflight effects on single skeletal muscle fiber function in the rhesus monkey. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R1546-R1557.	1.8	27
23	Substrate profile in rat soleus muscle fibers after hindlimb unloading and fatigue. Journal of Applied Physiology, 2000, 88, 473-478.	2.5	68
24	Substrate and enzyme profile of fast and slow skeletal muscle fibers in rhesus monkeys. Journal of Applied Physiology, 1999, 86, 335-340.	2.5	9
25	Five myofibrillar lesion types in eccentrically challenged, unloaded rat adductor longus muscle?a test model. , 1999, 254, 39-52.		42
26	Disproportionate loss of thin filaments in human soleus muscle after 17-day bed rest. , 1998, 21, 1280-1289.		80
27	Velocity, force, power, and Ca²⁺sensitivity of fast and slow monkey skeletal muscle fibers. Journal of Applied Physiology, 1998, 84, 1776-1787.	2.5	32
28	Disproportionate loss of thin filaments in human soleus muscle after 17â€day bed rest. Muscle and Nerve, 1998, 21, 1280-1289.	2.2	4
29	Peak force and maximal shortening velocity of soleus fibers after non-weight-bearing and resistance exercise. Journal of Applied Physiology, 1997, 82, 189-195.	2.5	27
30	Muscle Mechanics. Exercise and Sport Sciences Reviews, 1996, 24, 427???474.	3.0	120
31	Contractile and fatigue properties of thyrotoxic rat skeletal muscle. Muscle and Nerve, 1984, 7, 470-477.	2.2	28