

Robert H Fitts

List of Publications by Year in descending order

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31
papers

2,861
citations

318942

23
h-index

591227

27
g-index

32
all docs

32
docs citations

32
times ranked

3135
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. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 440.	1.8	30
2	Ca ²⁺ dependency of limb muscle fiber contractile mechanics in young and older adults. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C1238-C1251.	2.1	14
3	Bioenergetic basis of skeletal muscle fatigue. <i>Current Opinion in Physiology</i> , 2019, 10, 118-127.	0.9	53
4	Bioenergetic basis for the increased fatigability with ageing. <i>Journal of Physiology</i> , 2019, 597, 4943-4957.	1.3	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. <i>Journal of Physiology</i> , 2018, 596, 3993-4015.	1.3	60
6	Calsequestrin depolymerizes when calcium is depleted in the sarcoplasmic reticulum of working muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E638-E647.	3.3	55
7	Muscle Fatigue from the Perspective of a Single Crossbridge. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 2270-2280.	0.2	67
8	The Role of Acidosis in Fatigue. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 2335-2338.	0.2	81
9	Weekly Versus Monthly Testosterone Administration on Fast and Slow Skeletal Muscle Fibers in Older Adult Males. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E223-E231.	1.8	25
10	Effects of low cell pH and elevated inorganic phosphate on the pCa-force relationship in single muscle fibers at near-physiological temperatures. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 306, C670-C678.	2.1	54
11	Phosphate and acidosis act synergistically to depress peak power in rat muscle fibers. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C939-C950.	2.1	44
12	Skeletal Muscle Fatigue. , 2012, 2, 997-1044.		144
13	New insights on sarcoplasmic reticulum calcium regulation in muscle fatigue. <i>Journal of Applied Physiology</i> , 2011, 111, 345-346.	1.2	9
14	Exercise in space: human skeletal muscle after 6 months aboard the International Space Station. <i>Journal of Applied Physiology</i> , 2009, 106, 1159-1168.	1.2	354
15	The cross-bridge cycle and skeletal muscle fatigue. <i>Journal of Applied Physiology</i> , 2008, 104, 551-558.	1.2	279
16	Effects of Regular Exercise Training on Skeletal Muscle Contractile Function. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2003, 82, 320-331.	0.7	52
17	Effects of depolarization and low intracellular pH on charge movement currents of frog skeletal muscle fibers. <i>Journal of Applied Physiology</i> , 2001, 90, 228-234.	1.2	19
18	Comparison of a space shuttle flight (STS-78) and bed rest on human muscle function. <i>Journal of Applied Physiology</i> , 2001, 91, 57-64.	1.2	79

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19	Functional and structural adaptations of skeletal muscle to microgravity. Journal of Experimental Biology, 2001, 204, 3201-3208.	0.8	366
20	Decreased thin filament density and length in human atrophic soleus muscle fibers after spaceflight. Journal of Applied Physiology, 2000, 88, 567-572.	1.2	104
21	<i>Physiology of a Microgravity Environment </i>Invited Review: Microgravity and skeletal muscle. Journal of Applied Physiology, 2000, 89, 823-839.	1.2	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.	0.9	27
23	Substrate profile in rat soleus muscle fibers after hindlimb unloading and fatigue. Journal of Applied Physiology, 2000, 88, 473-478.	1.2	68
24	Substrate and enzyme profile of fast and slow skeletal muscle fibers in rhesus monkeys. Journal of Applied Physiology, 1999, 86, 335-340.	1.2	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 Ca ²⁺ sensitivity of fast and slow monkey skeletal muscle fibers. Journal of Applied Physiology, 1998, 84, 1776-1787.	1.2	32
28	Disproportionate loss of thin filaments in human soleus muscle after 17-day bed rest. , 1998, 21, 1280.		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.	1.2	27
30	Muscle Mechanics. Exercise and Sport Sciences Reviews, 1996, 24, 427-474.	1.6	120
31	Contractile and fatigue properties of thyrotoxic rat skeletal muscle. Muscle and Nerve, 1984, 7, 470-477.	1.0	28