Thomas J Burkholder

List of Publications by Year
in descending order

25 papers	990 citations	687363 13 h-index	794594 19 g-index
25 all docs	25 docs citations	25 times ranked	1381 citing authors

#	Article	IF	Citations
1	Independent AMP and NAD signaling regulates C2C12 differentiation and metabolic adaptation. Journal of Physiology and Biochemistry, 2016, 72, 689-697.	3.0	1
2	Absence of morphological and molecular correlates of sarcopenia in the macaque tongue muscle styloglossus. Experimental Gerontology, 2016, 84, 40-48.	2.8	11
3	Decrease of myofiber branching via muscle-specific expression of the olfactory receptor mOR23 in dystrophic muscle leads to protection against mechanical stress. Skeletal Muscle, 2015, 6, 2.	4.2	25
4	Activation of p38 in C2C12 myotubes following ATP depletion depends on extracellular glucose. Journal of Physiology and Biochemistry, 2015, 71, 253-265.	3.0	4
5	Practical limits on muscle synergy identification by non-negative matrix factorization in systems with mechanical constraints. Medical and Biological Engineering and Computing, 2013, 51, 187-196.	2.8	24
6	Lysophosphatidylcholine is not a paracrine factor following stretch in C2C12 myotubes. FASEB Journal, 2013, 27, .	0.5	0
7	Growthâ€related signaling increases with duty cycle following high force contractions in mouse tibialis anterior. FASEB Journal, 2012, 26, 1078.14.	0.5	0
8	Changes in growth-related kinases in head, neck and limb muscles with age. Experimental Gerontology, 2011, 46, 282-291.	2.8	15
9	ERK phosphorylation correlates with intensity of electrical stimulation in mouse tibialis anterior. FASEB Journal, 2011, 25, 1051.19.	0.5	1
10	Directional constraint of endpoint force emerges from hindlimb anatomy. Journal of Experimental Biology, 2010, 213, 2131-2141.	1.7	19
11	Sarcomeric Myosin Expression in the Tongue Body of Humans, Macaques and Rats. Cells Tissues Organs, 2010, 191, 431-442.	2.3	9
12	PLA2 activity declines during skeletal myoblast differentiation. FASEB Journal, 2010, 24, 989.19.	0.5	0
13	Peak force controls intracellular signaling after high force contractions, independent of metabolic stress. FASEB Journal, 2010, 24, 801.12.	0.5	0
14	Stretch-induced ERK2 phosphorylation requires PLA2 activity in skeletal myotubes. Biochemical and Biophysical Research Communications, 2009, 386, 60-64.	2.1	7
15	Evolutionary changes in myosin isoform expression in the tongue by quantitative PCR. FASEB Journal, 2009, 23, 600.17.	0.5	0
16	Reduction of neuromuscular redundancy for postural force generation using an intrinsic stability criterion. Journal of Biomechanics, 2008, 41, 1537-1544.	2.1	46
17	Stretchâ€like membrane permeabilization stimulates ERK2 phosphorylation dependent on calcium influx in C2C12 myotubes. FASEB Journal, 2008, 22, 962.17.	0.5	0
18	Inter-joint coupling effects on muscle contributions to endpoint force and acceleration in a musculoskeletal model of the cat hindlimb. Journal of Biomechanics, 2007, 40, 3570-3579.	2.1	23

#	Article	IF	Citations
19	Mechanotransduction in skeletal muscle. Frontiers in Bioscience - Landmark, 2007, 12, 174.	3.0	102
20	Intracellular signaling specificity in response to uniaxial vs. multiaxial stretch: implications for mechanotransduction. American Journal of Physiology - Cell Physiology, 2005, 288, C185-C194.	4.6	109
21	Stretch-induced myoblast proliferation is dependent on the COX2 pathway. Experimental Cell Research, 2005, 310, 417-425.	2.6	87
22	Threeâ€dimensional model of the feline hindlimb. Journal of Morphology, 2004, 261, 118-129.	1.2	48
23	Permeability of C2C12 myotube membranes is influenced by stretch velocity. Biochemical and Biophysical Research Communications, 2003, 305, 266-270.	2.1	17
24	Age does not influence muscle fiber length adaptation to increased excursion. Journal of Applied Physiology, 2001, 91, 2466-2470.	2.5	16
25	Relationship between muscle fiber types and sizes and muscle architectural properties in the mouse hindlimb. Journal of Morphology, 1994, 221, 177-190.	1.2	426