

Thomas J Burkholder

List of Publications by Year in descending order

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Version: 2024-02-01

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	Relationship between muscle fiber types and sizes and muscle architectural properties in the mouse hindlimb. <i>Journal of Morphology</i> , 1994, 221, 177-190.	1.2	426
2	Intracellular signaling specificity in response to uniaxial vs. multiaxial stretch: implications for mechanotransduction. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 288, C185-C194.	4.6	109
3	Mechanotransduction in skeletal muscle. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 174.	3.0	102
4	Stretch-induced myoblast proliferation is dependent on the COX2 pathway. <i>Experimental Cell Research</i> , 2005, 310, 417-425.	2.6	87
5	Three-dimensional model of the feline hindlimb. <i>Journal of Morphology</i> , 2004, 261, 118-129.	1.2	48
6	Reduction of neuromuscular redundancy for postural force generation using an intrinsic stability criterion. <i>Journal of Biomechanics</i> , 2008, 41, 1537-1544.	2.1	46
7	Decrease of myofiber branching via muscle-specific expression of the olfactory receptor mOR23 in dystrophic muscle leads to protection against mechanical stress. <i>Skeletal Muscle</i> , 2015, 6, 2.	4.2	25
8	Practical limits on muscle synergy identification by non-negative matrix factorization in systems with mechanical constraints. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 187-196.	2.8	24
9	Inter-joint coupling effects on muscle contributions to endpoint force and acceleration in a musculoskeletal model of the cat hindlimb. <i>Journal of Biomechanics</i> , 2007, 40, 3570-3579.	2.1	23
10	Directional constraint of endpoint force emerges from hindlimb anatomy. <i>Journal of Experimental Biology</i> , 2010, 213, 2131-2141.	1.7	19
11	Permeability of C2C12 myotube membranes is influenced by stretch velocity. <i>Biochemical and Biophysical Research Communications</i> , 2003, 305, 266-270.	2.1	17
12	Age does not influence muscle fiber length adaptation to increased excursion. <i>Journal of Applied Physiology</i> , 2001, 91, 2466-2470.	2.5	16
13	Changes in growth-related kinases in head, neck and limb muscles with age. <i>Experimental Gerontology</i> , 2011, 46, 282-291.	2.8	15
14	Absence of morphological and molecular correlates of sarcopenia in the macaque tongue muscle styloglossus. <i>Experimental Gerontology</i> , 2016, 84, 40-48.	2.8	11
15	Sarcomeric Myosin Expression in the Tongue Body of Humans, Macaques and Rats. <i>Cells Tissues Organs</i> , 2010, 191, 431-442.	2.3	9
16	Stretch-induced ERK2 phosphorylation requires PLA2 activity in skeletal myotubes. <i>Biochemical and Biophysical Research Communications</i> , 2009, 386, 60-64.	2.1	7
17	Activation of p38 in C2C12 myotubes following ATP depletion depends on extracellular glucose. <i>Journal of Physiology and Biochemistry</i> , 2015, 71, 253-265.	3.0	4
18	Independent AMP and NAD signaling regulates C2C12 differentiation and metabolic adaptation. <i>Journal of Physiology and Biochemistry</i> , 2016, 72, 689-697.	3.0	1

#	ARTICLE	IF	CITATIONS
19	ERK phosphorylation correlates with intensity of electrical stimulation in mouse tibialis anterior. FASEB Journal, 2011, 25, 1051.19.	0.5	1
20	Stretch-like membrane permeabilization stimulates ERK2 phosphorylation dependent on calcium influx in C2C12 myotubes. FASEB Journal, 2008, 22, 962.17.	0.5	0
21	Evolutionary changes in myosin isoform expression in the tongue by quantitative PCR. FASEB Journal, 2009, 23, 600.17.	0.5	0
22	PLA2 activity declines during skeletal myoblast differentiation. FASEB Journal, 2010, 24, 989.19.	0.5	0
23	Peak force controls intracellular signaling after high force contractions, independent of metabolic stress. FASEB Journal, 2010, 24, 801.12.	0.5	0
24	Growth-related signaling increases with duty cycle following high force contractions in mouse tibialis anterior. FASEB Journal, 2012, 26, 1078.14.	0.5	0
25	Lysophosphatidylcholine is not a paracrine factor following stretch in C2C12 myotubes. FASEB Journal, 2013, 27, .	0.5	0