

Kiisa Nishikawa

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,201
citations

430874

18
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

943
citing authors

#	ARTICLE	IF	CITATIONS
1	What is an artificial muscle? A comparison of soft actuators to biological muscles. <i>Bioinspiration and Biomimetics</i> , 2022, 17, 011001.	2.9	27
2	Micro-biopsies: a less invasive technique for investigating human muscle fiber mechanics. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	0
3	Residual force enhancement is reduced in permeabilized fiber bundles from <i>mdm</i> muscles. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	4
4	Muscle as a tunable material: implications for achieving muscle-like function in robotic prosthetic devices. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	6
5	Stretch-Shortening Cycle Performance and Muscleâ€“Tendon Properties in Dancers and Runners. <i>Journal of Applied Biomechanics</i> , 2021, 37, 547-555.	0.8	3
6	Calcium-dependent titinâ€“thin filament interactions in muscle: observations and theory. <i>Journal of Muscle Research and Cell Motility</i> , 2020, 41, 125-139.	2.0	28
7	N2A Titin: Signaling Hub and Mechanical Switch in Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3974.	4.1	24
8	Effects of a titin mutation on force enhancement and force depression in mouse soleus muscles. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	29
9	Titin: A Tunable Spring in Active Muscle. <i>Physiology</i> , 2020, 35, 209-217.	3.1	31
10	Optimal length, calcium sensitivity, and twitch characteristics of skeletal muscles from <i>mdm</i> mice with a deletion in N2A titin. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	22
11	Severe thermoregulatory deficiencies in mice with a deletion in the titin gene. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	4
12	Calcium increases titin N2A binding to F-actin and regulated thin filaments. <i>Scientific Reports</i> , 2018, 8, 14575.	3.3	72
13	Thermoregulation Deficiencies in Mice with a Deletion in the Muscle Protein Titin. <i>FASEB Journal</i> , 2018, 32, 605.2.	0.5	0
14	Titin force enhancement following active stretch of skinned skeletal muscle fibres. <i>Journal of Experimental Biology</i> , 2017, 220, 3110-3118.	1.7	24
15	Huxleysâ€™ Missing Filament: Form and Function of Titin in Vertebrate Striated Muscle. <i>Annual Review of Physiology</i> , 2017, 79, 145-166.	13.1	30
16	Letter to the editor: â€œTitin-actin interaction: the report of its death was an exaggerationâ€. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C622-C622.	4.6	3
17	Eccentric contraction: unraveling mechanisms of force enhancement and energy conservation. <i>Journal of Experimental Biology</i> , 2016, 219, 189-196.	1.7	70
18	Decreased force enhancement in skeletal muscle sarcomeres with a deletion in titin. <i>Journal of Experimental Biology</i> , 2016, 219, 1311-6.	1.7	52

#	ARTICLE	IF	CITATIONS
19	Does short-term provisioning of resources to prey result in behavioral shifts by rattlesnakes?. Journal of Wildlife Management, 2015, 79, 357-372.	1.8	3
20	Titin force is enhanced in actively stretched skeletal muscle. Journal of Experimental Biology, 2014, 217, 3629-36.	1.7	90
21	Is titin a "winding filament"? A new twist on muscle contraction. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 981-990.	2.6	177
22	Neuromechanics: an integrative approach for understanding motor control. Integrative and Comparative Biology, 2007, 47, 16-54.	2.0	226
23	Storage and recovery of elastic potential energy powers ballistic prey capture in toads. Journal of Experimental Biology, 2006, 209, 2535-2553.	1.7	93
24	Evolutionary Convergence in Nervous Systems: Insights from Comparative Phylogenetic Studies. Brain, Behavior and Evolution, 2002, 59, 240-249.	1.7	45
25	Morphology and mechanics of tongue movement in the African pig-nosed frog <i>Hemissus marmoratum</i> : a muscular hydrostatic model. Journal of Experimental Biology, 1999, 202, 771-80.	1.7	30
26	How do Ontogeny, Morphology, and Physiology of Sensory Systems Constrain and Direct the Evolution of Amphibians?. American Naturalist, 1992, 139, S105-S124.	2.1	45
27	Evolution of Spinal Nerve Number in Anuran Larvae. Brain, Behavior and Evolution, 1989, 33, 15-24.	1.7	9
28	Morphology of the caudal spinal cord in <i>Rana</i> (ranidae) and <i>Xenopus</i> (pipidae) tadpoles. Journal of Comparative Neurology, 1988, 269, 193-202.	1.6	20
29	Topography and cytoarchitecture of the motor nuclei in the brainstem of salamanders. Journal of Comparative Neurology, 1988, 278, 181-194.	1.6	34