Rene Vandenboom

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5668613/publications.pdf

Version: 2024-02-01

31	652	759233 12	610901 24
papers	citations	h-index	g-index

31	31	31	570
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Potentiation of force by extracellular potassium and posttetanic potentiation are additive in mouse fast-twitch muscle in vitro. Pflugers Archiv European Journal of Physiology, 2022, 474, 637-646.	2.8	5
2	The effect of muscle length on post-tetanic potentiation of C57BL/6 and skMLCKâ^'/â^' mouse EDL muscles. Journal of Muscle Research and Cell Motility, 2022, 43, 99-111.	2.0	3
3	GSK3 inhibition with low dose lithium supplementation augments murine muscle fatigue resistance and specific force production. Physiological Reports, 2020, 8, e14517.	1.7	25
4	Lack of influence of estrogen on myosin phosphorylation and post-tetanic potentiation in muscles from young adult C57BL mice. Canadian Journal of Physiology and Pharmacology, 2019, 97, 729-737.	1.4	5
5	Caffeine attenuates contraction-induced diminutions of the intracellular calcium transient in mouse lumbrical muscle ex vivo. Canadian Journal of Physiology and Pharmacology, 2019, 97, 429-435.	1.4	2
6	Myosin phosphorylation potentiated steady state work output without altering contractile economy of mouse fast skeletal muscles. Journal of Experimental Biology, 2018, 221, .	1.7	8
7	Myosin phosphorylation improves contractile economy of mouse fast skeletal muscle during staircase potentiation. Journal of Experimental Biology, 2018, 221, .	1.7	7
8	Epinephrine augments posttetanic potentiation in mouse skeletal muscle with and without myosin phosphorylation. Physiological Reports, 2018, 6, e13690.	1.7	4
9	Shortening speed dependent force potentiation is attenuated but not eliminated in skeletal muscles without myosin phosphorylation. Journal of Muscle Research and Cell Motility, 2017, 38, 157-162.	2.0	5
10	Musculoskeletal structure and function in response to the combined effect of an obesogenic diet and age in male C57BL/6J mice. Molecular Nutrition and Food Research, 2017, 61, 1700137.	3.3	15
11	Contraction-induced enhancement of relaxation during high force contractions of mouse lumbrical muscle at 37Â°C. Journal of Experimental Biology, 2017, 220, 2870-2873.	1.7	3
12	Influence of longitudinal radiation exposure from microcomputed tomography scanning on skeletal muscle function and metabolic activity in female CD-1 mice. Physiological Reports, 2017, 5, e13338.	1.7	3
13	Interaction of posttetanic potentiation and the catchlike property in mouse skeletal muscle. Muscle and Nerve, 2016, 54, 308-316.	2.2	12
14	Myosin light chain phosphorylation is required for peak power output of mouse fast skeletal muscle in vitro. Pflugers Archiv European Journal of Physiology, 2016, 468, 2007-2016.	2.8	13
15	Modulation of Skeletal Muscle Contraction by Myosin Phosphorylation. , 2016, 7, 171-212.		55
16	The force dependence of isometric and concentric potentiation in mouse muscle with and without skeletal myosin light chain kinase. Canadian Journal of Physiology and Pharmacology, 2015, 93, 23-32.	1.4	6
17	Juxtaposition of the changes in intracellular calcium and force during staircase potentiation at 30 and 37Â°C. Journal of General Physiology, 2014, 144, 561-570.	1.9	12
18	Myosin phosphorylation and force potentiation in skeletal muscle: evidence from animal models. Journal of Muscle Research and Cell Motility, 2013, 34, 317-332.	2.0	45

#	Article	IF	Citations
19	Potentiation in mouse lumbrical muscle without myosin light chain phosphorylation: Is resting calcium responsible?. Journal of General Physiology, 2013, 141, 297-308.	1.9	41
20	Tetanic force potentiation of mouse fast muscle is shortening speed dependent. Journal of Muscle Research and Cell Motility, 2012, 33, 359-368.	2.0	16
21	Muscle contraction uncouples interactions between skeletal muscle ATGL and lipid droplet protein PLIN2. FASEB Journal, 2012, 26, 1144.17.	0.5	0
22	The effect of work cycle frequency on the potentiation of dynamic force in mouse fast twitch skeletal muscle. Journal of Experimental Biology, 2011, 214, 3915-3923.	1.7	13
23	Myosin light chain kinase and the role of myosin light chain phosphorylation in skeletal muscle. Archives of Biochemistry and Biophysics, 2011, 510, 120-128.	3.0	138
24	The effect of skeletal myosin light chain kinase gene ablation on the fatigability of mouse fast muscle. Journal of Muscle Research and Cell Motility, 2011, 31, 337-348.	2.0	27
25	Myosin light-chain phosphorylation and potentiation of dynamic function in mouse fast muscle. Pflugers Archiv European Journal of Physiology, 2011, 462, 349-358.	2.8	17
26	Subcellular location and colocalization of lipid droplet proteins, ADRP and OXPAT, in resting and stimulated rat soleus. FASEB Journal, 2011, 25, 1104.10.	0.5	0
27	Posttetanic potentiation in mdx muscle. Journal of Muscle Research and Cell Motility, 2010, 31, 267-277.	2.0	7
28	The Myofibrillar Complex and Fatigue: A Review. Applied Physiology, Nutrition, and Metabolism, 2004, 29, 330-356.	1.7	32
29	Isotonic force modulates force redevelopment rate of intact frog muscle fibres: evidence for crossâ€bridge induced thin filament activation. Journal of Physiology, 2002, 543, 555-566.	2.9	11
30	A "Wringing" Endorsement for Myosin Phosphorylation in the Heart. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2002, 2, 422-424.	3.4	2
31	Physiological Significance of Myosin Phosphorylation in Skeletal Muscle. Applied Physiology, Nutrition, and Metabolism, 1993, 18, 229-242.	1.7	120