

Rafael Fortuna

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

483
citations

840728

11
h-index

888047

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17
all docs

17
docs citations

17
times ranked

512
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in contractile properties of muscles receiving repeat injections of botulinum toxin (Botox). <i>Journal of Biomechanics</i> , 2011, 44, 39-44.	2.1	132
2	In vivo Sarcomere Lengths and Sarcomere Elongations Are Not Uniform across an Intact Muscle. <i>Frontiers in Physiology</i> , 2016, 7, 187.	2.8	73
3	Do skeletal muscle properties recover following repeat onabotulinum toxin A injections?. <i>Journal of Biomechanics</i> , 2013, 46, 2426-2433.	2.1	44
4	Long-term repetitive mechanical loading of the knee joint by in vivo muscle stimulation accelerates cartilage degeneration and increases chondrocyte death in a rabbit model. <i>Clinical Biomechanics</i> , 2013, 28, 536-543.	1.2	42
5	A clinically relevant BTX-A injection protocol leads to persistent weakness, contractile material loss, and an altered mRNA expression phenotype in rabbit quadriceps muscles. <i>Journal of Biomechanics</i> , 2015, 48, 1700-1706.	2.1	37
6	Shortening-induced force depression is modulated in a time- and speed-dependent manner following a stretch-shortening cycle. <i>Physiological Reports</i> , 2017, 5, e13279.	1.7	29
7	Effects of Russian current and low-frequency pulsed current on discomfort level and current amplitude at 10% maximal knee extensor torque. <i>Physiotherapy Theory and Practice</i> , 2012, 28, 617-623.	1.3	21
8	The influence of cyclic concentric and eccentric submaximal muscle loading on cell viability in the rabbit knee joint. <i>Clinical Biomechanics</i> , 2012, 27, 292-298.	1.2	18
9	Force depression following a stretch-shortening cycle is independent of stretch peak force and work performed during shortening. <i>Scientific Reports</i> , 2018, 8, 1534.	3.3	18
10	Residual force enhancement following shortening is speed-dependent. <i>Scientific Reports</i> , 2016, 6, 21513.	3.3	16
11	The effects of electrical stimulation exercise on muscles injected with botulinum toxin type-A (botox). <i>Journal of Biomechanics</i> , 2013, 46, 36-42.	2.1	13
12	Messenger RNA profiling of rabbit quadriceps femoris after repeat injections of botulinum toxin: Evidence for a dynamic pattern without further structural alterations. <i>Muscle and Nerve</i> , 2018, 57, 487-493.	2.2	8
13	Catchlike property in human adductor pollicis muscle. <i>Journal of Electromyography and Kinesiology</i> , 2012, 22, 228-233.	1.7	7
14	Force depression following a stretch-shortening cycle depends on the amount of residual force enhancement established in the initial stretch phase. <i>Physiological Reports</i> , 2019, 7, e14188.	1.7	7
15	Effect of a prebiotic supplement on knee joint function, gut microbiota, and inflammation in adults with co-morbid obesity and knee osteoarthritis: study protocol for a randomized controlled trial. <i>Trials</i> , 2021, 22, 255.	1.6	7
16	Dynamic in-vivo force transfer in the lapine knee loaded by quadriceps muscle contraction. <i>Clinical Biomechanics</i> , 2013, 28, 199-204.	1.2	6
17	Tibiofemoral loss of contact area but no changes in peak pressures after meniscectomy in a Lapine in vivo quadriceps force transfer model. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 65-73.	4.2	5