

Thiago Luiz Russo

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

967
citations

430874
18
h-index

501196
28
g-index

69
all docs

69
docs citations

69
times ranked

1238
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical stimulation impairs early functional recovery and accentuates skeletal muscle atrophy after sciatic nerve crush injury in rats. <i>Muscle and Nerve</i> , 2010, 41, 685-693.	2.2	86
2	Effects of 660 and 780nm low-level laser therapy on neuromuscular recovery after crush injury in rat sciatic nerve. <i>Lasers in Surgery and Medicine</i> , 2010, 42, 833-842.	2.1	69
3	Electrical stimulation based on chronaxie reduces atrogen-1 and myoD gene expressions in denervated rat muscle. <i>Muscle and Nerve</i> , 2007, 35, 87-97.	2.2	46
4	Adaptive Impedance Control Applied to Robot-Aided Neuro-Rehabilitation of the Ankle. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 185-192.	5.1	46
5	Stretching and electrical stimulation reduce the accumulation of MyoD, myostatin and atrogen-1 in denervated rat skeletal muscle. <i>Journal of Muscle Research and Cell Motility</i> , 2010, 31, 45-57.	2.0	41
6	Post-stroke BDNF Concentration Changes Following Physical Exercise: A Systematic Review. <i>Frontiers in Neurology</i> , 2018, 9, 637.	2.4	41
7	Muscle Atrophy, Voluntary Activation Disturbances, and Low Serum Concentrations of IGF-1 and IGFBP-3 Are Associated With Weakness in People With Chronic Stroke. <i>Physical Therapy</i> , 2014, 94, 957-967.	2.4	39
8	Effect of Low-level Laser Therapy (LLLT) on Acute Neural Recovery and Inflammation-related Gene Expression After Crush Injury in Rat Sciatic Nerve. <i>Lasers in Surgery and Medicine</i> , 2013, 45, 246-252.	2.1	37
9	Electrical stimulation increases matrix metalloproteinase-2 gene expression but does not change its activity in denervated rat muscle. <i>Muscle and Nerve</i> , 2008, 37, 593-600.	2.2	33
10	Knee osteoarthritis induces atrophy and neuromuscular junction remodeling in the quadriceps and tibialis anterior muscles of rats. <i>Scientific Reports</i> , 2019, 9, 6366.	3.3	33
11	Effects of electrical stimulation and stretching on the adaptation of denervated skeletal muscle: implications for physical therapy. <i>Brazilian Journal of Physical Therapy</i> , 2012, 16, 175-183.	2.5	27
12	Decreased Brain-Derived Neurotrophic Factor Serum Concentrations in Chronic Post-Stroke Subjects. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016, 25, 2968-2974.	1.6	23
13	Quadriceps Muscle Atrophy After Anterior Cruciate Ligament Transection Involves Increased mRNA Levels of Atrogen-1, Muscle Ring Finger 1, and Myostatin. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2013, 92, 411-419.	1.4	22
14	Different Error Size During Locomotor Adaptation Affects Transfer to Overground Walking Poststroke. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 1020-1030.	2.9	22
15	Intracranial Compliance Concepts and Assessment: A Scoping Review. <i>Frontiers in Neurology</i> , 2021, 12, 756112.	2.4	22
16	Joint Inflammation Alters Gene and Protein Expression and Leads to Atrophy in the Tibialis Anterior Muscle in Rats. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2011, 90, 930-939.	1.4	21
17	Neuromuscular electrical stimulation alters gene expression and delays quadriceps muscle atrophy of rats after anterior cruciate ligament transection. <i>Muscle and Nerve</i> , 2014, 49, 120-128.	2.2	20
18	Elastic Tape Improved Shoulder Joint Position Sense in Chronic Hemiparetic Subjects: A Randomized Sham-Controlled Crossover Study. <i>PLoS ONE</i> , 2017, 12, e0170368.	2.5	20

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19	Stretching and electrical stimulation regulate the metalloproteinase-2 in rat denervated skeletal muscle. <i>Neurological Research</i> , 2010, 32, 891-896.	1.3	18
20	Effects of alternagin-C from <i>Bothrops alternatus</i> on gene expression and activity of metalloproteinases in regenerating skeletal muscle. <i>Toxicon</i> , 2008, 52, 687-694.	1.6	17
21	The Effect of Priming on Outcomes of Task-Oriented Training for the Upper Extremity in Chronic Stroke: A Systematic Review and Meta-analysis. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 479-504.	2.9	16
22	Muscle and Nerve Responses After Different Intervals of Electrical Stimulation Sessions on Denervated Rat Muscle. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2009, 88, 126-135.	1.4	15
23	Intrinsic properties and functional changes in spastic muscle after application of BTX-A in children with cerebral palsy: Systematic review. <i>Developmental Neurorehabilitation</i> , 2015, 18, 1-14.	1.1	15
24	Joint position sense is bilaterally reduced for shoulder abduction and flexion in chronic hemiparetic individuals. <i>Topics in Stroke Rehabilitation</i> , 2015, 22, 271-280.	1.9	14
25	Kinematic Analysis of a Drinking Task in Chronic Hemiparetic Patients Using Features Analysis and Statistical Parametric Mapping. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 501-511.e4.	0.9	14
26	Effects of low-level laser therapy after nerve reconstruction in rat denervated soleus muscle adaptation. <i>Brazilian Journal of Physical Therapy</i> , 2012, 16, 320-327.	2.5	13
27	Intermittent stretching induces fibrosis in denervated rat muscle. <i>Muscle and Nerve</i> , 2016, 53, 118-126.	2.2	13
28	Electrical stimulation delays reinnervation in denervated rat muscle. <i>Muscle and Nerve</i> , 2017, 56, E108-E118.	2.2	12
29	Cryotherapy reduces muscle hypertonia, but does not affect lower limb strength or gait kinematics post-stroke: a randomized controlled crossover study. <i>Topics in Stroke Rehabilitation</i> , 2019, 26, 267-280.	1.9	11
30	Structural muscular adaptations in upper limb after stroke: a systematic review. <i>Topics in Stroke Rehabilitation</i> , 2019, 26, 73-79.	1.9	11
31	Cryotherapy Reduces Muscle Spasticity But Does Not Affect Proprioception in Ischemic Stroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2019, 98, 51-57.	1.4	10
32	Effect of tibiotarsal joint inflammation on gene expression and cross-sectional area in rat soleus muscle. <i>Brazilian Journal of Physical Therapy</i> , 2013, 17, 244-254.	2.5	9
33	Scapular kinematics and muscle performance in a single case of Parsonage-Turner. <i>Manual Therapy</i> , 2014, 19, 77-81.	1.6	9
34	Electrical Stimulation Based on Chronaxie Increases Fibrosis and Modulates TWEAK/Fn14, TGF- β 2/Myostatin, and MMP Pathways in Denervated Muscles. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017, 96, 260-267.	1.4	9
35	Thirty days after anterior cruciate ligament transection is sufficient to induce signs of knee osteoarthritis in rats: pain, functional impairment, and synovial inflammation. <i>Inflammation Research</i> , 2020, 69, 279-288.	4.0	9
36	Physical Training Leads to Remodeling of Diaphragm Muscle in Asthma Model. <i>International Journal of Sports Medicine</i> , 2009, 30, 430-434.	1.7	8

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37	Energy Cost During the 6-Minute Walk Test and Its Relationship to Real-World Walking After Stroke: A Correlational, Cross-Sectional Pilot Study. <i>Physical Therapy</i> , 2019, 99, 1656-1666.	2.4	8
38	Effects of exercise training on atrophy gene expression in skeletal muscle of mice with chronic allergic lung inflammation. <i>Brazilian Journal of Medical and Biological Research</i> , 2009, 42, 339-345.	1.5	7
39	Torque steadiness and muscle activation are bilaterally impaired during shoulder abduction and flexion in chronic post-stroke subjects. <i>Journal of Electromyography and Kinesiology</i> , 2016, 30, 151-160.	1.7	7
40	Predicting stroke outcome. <i>Neurology</i> , 2019, 92, 157-158.	1.1	7
41	Effect of aerobic exercise prior to modified constraint-induced movement therapy outcomes in individuals with chronic hemiparesis: a study protocol for a randomized clinical trial. <i>BMC Neurology</i> , 2019, 19, 196.	1.8	6
42	Serum activity of matrix metalloproteinase-2 and -9 is increased in chronic post-stroke individuals: a cross-sectional exploratory study. <i>Topics in Stroke Rehabilitation</i> , 2022, 29, 605-615.	1.9	6
43	Underlying mechanisms of oxygen uptake kinetics in chronic post-stroke individuals: A correlational, cross-sectional pilot study. <i>PLoS ONE</i> , 2020, 15, e0241872.	2.5	6
44	Reaching task performance is associated to neuromuscular junction adaptations in rats with induced diabetes mellitus. <i>Brazilian Journal of Medical and Biological Research</i> , 2020, 53, e8763.	1.5	5
45	Effects of elastic tape on kinematic parameters during a functional task in chronic hemiparetic subjects: A randomized sham-controlled crossover trial. <i>PLoS ONE</i> , 2019, 14, e0211332.	2.5	4
46	Compensatory neuromuscular junction adaptations of forelimb muscles in focal cortical ischemia in rats. <i>Brain and Behavior</i> , 2020, 10, e01472.	2.2	4
47	Noninvasive Intracranial Pressure Monitoring in Chronic Stroke Patients with Sedentary Behavior: A Pilot Study. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 55-58.	1.0	4
48	Lower Extremity Constraint-Induced Movement Therapy Increase Variability in the Intra-Limb Coordination during Walking in Chronic Post-Stroke. <i>Ecological Psychology</i> , 2022, 34, 109-131.	1.1	4
49	Effects of mesenchymal stromal cells on type 1 diabetes mellitus rat muscles. <i>Muscle and Nerve</i> , 2018, 58, 583-591.	2.2	3
50	Effects of mesenchymal stromal cells on motor function and collagen in the skeletal muscles of rats with type I diabetes. <i>International Journal of Experimental Pathology</i> , 2019, 100, 359-368.	1.3	3
51	Prognostic molecular markers for motor recovery in acute hemorrhagic stroke: A systematic review. <i>Clinica Chimica Acta</i> , 2021, 522, 45-60.	1.1	3
52	Effect of high-voltage electrical stimulation on the albumin and histamine serum concentrations, edema, and pain in acute joint inflammation of rats. <i>Brazilian Journal of Physical Therapy</i> , 2015, 19, 89-96.	2.5	2
53	Low-level laser therapy enhances muscle regeneration through modulation of inflammatory markers. <i>Photonics & Lasers in Medicine</i> , 2016, 5, 211-218.	0.2	2
54	Ankle torque steadiness and gait speed after a single session of robot therapy in individuals with chronic hemiparesis: a pilot study. <i>Topics in Stroke Rehabilitation</i> , 2019, 26, 630-638.	1.9	2

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55	Concurrent validity and reliability of an activity monitoring for rehabilitation (AMoR) platform for step counting and sitting/lying time in post-stroke individuals. Topics in Stroke Rehabilitation, 2022, 29, 103-113.	1.9	2
56	Adiponectin Concentration and Chronic Stroke Individuals, Associations with Body Composition, Physical Activity Levels and Lipid Profile: A Cross-Sectional Explorative Study. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105993.	1.6	2
57	Clinical-Like Cryotherapy in Acute Knee Arthritis Protects Neuromuscular Junctions of Quadriceps and Reduces Joint Inflammation in Mice. BioMed Research International, 2022, 2022, 1-9.	1.9	2
58	Intracerebellar microinjection of histaminergic compounds on locomotor and exploratory behaviors in mice. Neuroscience Letters, 2018, 687, 10-15.	2.1	1
59	Effects of respiratory muscle training on parasympathetic activity in diabetes mellitus. Brazilian Journal of Medical and Biological Research, 2021, 54, e10865.	1.5	1
60	Midfemoral Bone Volume of Walking Subjects with Chronic Hemiparesis Post Stroke. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 2208-2213.	1.6	0
61	Neuronal activation of cerebellum functional circuits in motor and non-motor functions in mice. Neuroscience Letters, 2021, 765, 136271.	2.1	0
62	Clinical-like cryotherapy in acute knee arthritis of the knee improves inflammation signs, pain, joint swelling, and motor performance in mice. PLoS ONE, 2022, 17, e0261667.	2.5	0
63	Title is missing!., 2020, 15, e0241872.		0
64	Title is missing!., 2020, 15, e0241872.		0
65	Title is missing!., 2020, 15, e0241872.		0
66	Title is missing!., 2020, 15, e0241872.		0