

Julio GÃ³mez-Soriano

List of Publications by Year in descending order

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63
papers

1,071
citations

430754

18
h-index

477173

29
g-index

71
all docs

71
docs citations

71
times ranked

1171
citing authors

#	ARTICLE	IF	CITATIONS
1	Shared muscle synergies in human walking and cycling. <i>Journal of Neurophysiology</i> , 2014, 112, 1984-1998.	0.9	119
2	Transcutaneous Spinal Cord Stimulation and Motor Rehabilitation in Spinal Cord Injury: A Systematic Review. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 3-12.	1.4	79
3	The effects of Kinesio taping on muscle tone in healthy subjects: A double-blind, placebo-controlled crossover trial. <i>Manual Therapy</i> , 2014, 19, 131-136.	1.6	69
4	Deficient conditioned pain modulation after spinal cord injury correlates with clinical spontaneous pain measures. <i>Pain</i> , 2015, 156, 260-272.	2.0	56
5	Treatment of Rat Spinal Cord Injury with the Neurotrophic Factor Albumin-Oleic Acid: Translational Application for Paralysis, Spasticity and Pain. <i>PLoS ONE</i> , 2011, 6, e26107.	1.1	50
6	Impact of specific symptoms of spasticity on voluntary lower limb muscle function, gait and daily activities during subacute and chronic spinal cord injury. <i>NeuroRehabilitation</i> , 2013, 33, 531-543.	0.5	41
7	The role of Omega-3 and Omega-9 fatty acids for the treatment of neuropathic pain after neurotrauma. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1629-1635.	1.4	37
8	Modular control of gait after incomplete spinal cord injury: differences between sides. <i>Spinal Cord</i> , 2017, 55, 79-86.	0.9	33
9	Peripheral Nerve Conduction Block by High-Frequency Alternating Currents: A Systematic Review. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 1131-1140.	2.7	31
10	Muscle Synergies in Cycling after Incomplete Spinal Cord Injury: Correlation with Clinical Measures of Motor Function and Spasticity. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 706.	1.0	29
11	Oral administration of the p38 β MAPK inhibitor, UR13870, inhibits affective pain behavior after spinal cord injury. <i>Pain</i> , 2014, 155, 2188-2198.	2.0	28
12	Extracorporeal shockwave therapy improves pain and function in subjects with knee osteoarthritis: A systematic review and meta-analysis of randomized clinical trials. <i>International Journal of Surgery</i> , 2020, 82, 64-75.	1.1	25
13	Combining transcranial direct-current stimulation with gait training in patients with neurological disorders: a systematic review. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 114.	2.4	23
14	Myotonometry as a measure to detect myofascial trigger points: an inter-rater reliability study. <i>Physiological Measurement</i> , 2018, 39, 115004.	1.2	22
15	Neuropathic Pain Intensity, Unpleasantness, Coping Strategies, and Psychosocial Factors after Spinal Cord Injury: An Exploratory Longitudinal Study During the First Year. <i>Pain Medicine</i> , 2012, 13, 1457-1468.	0.9	21
16	Oral 2 α -hydroxyoleic acid inhibits reflex hypersensitivity and open α -field α -induced anxiety after spared nerve injury. <i>European Journal of Pain</i> , 2015, 19, 111-122.	1.4	21
17	Efficacy of high-intensity laser therapy in subacromial impingement syndrome: a three-month follow-up controlled clinical trial. <i>Clinical Rehabilitation</i> , 2019, 33, 894-903.	1.0	21
18	Voluntary ankle flexor activity and adaptive coactivation gain is decreased by spasticity during subacute spinal cord injury. <i>Experimental Neurology</i> , 2010, 224, 507-516.	2.0	19

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19	Tibialis Anterior muscle coherence during controlled voluntary activation in patients with spinal cord injury: diagnostic potential for muscle strength, gait and spasticity. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 23.	2.4	19
20	Effect of Unmodulated 5-kHz Alternating Currents Versus Transcutaneous Electrical Nerve Stimulation on Mechanical and Thermal Pain, Tactile Threshold, and Peripheral Nerve Conduction: A Double-Blind, Placebo-Controlled Crossover Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017, 98, 888-895.	0.5	18
21	Effect of high-frequency alternating current transcutaneous stimulation over muscle strength: a controlled pilot study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018, 15, 103.	2.4	17
22	Deficient Inhibitory Endogenous Pain Modulation Correlates With Periaqueductal Gray Matter Metabolites During Chronic Whiplash Injury. <i>Clinical Journal of Pain</i> , 2019, 35, 668-677.	0.8	17
23	Modulation of thermal somatosensory thresholds within local and remote spinal dermatomes following cervical repetitive magnetic stimulation. <i>Neuroscience Letters</i> , 2013, 555, 237-242.	1.0	16
24	Intensity matters: Therapist-dependent dose of spinal transcutaneous electrical nerve stimulation. <i>PLoS ONE</i> , 2017, 12, e0189734.	1.1	16
25	Sensory function after cavernous haemangioma: a case report of thermal hypersensitivity at and below an incomplete spinal cord injury. <i>Spinal Cord</i> , 2012, 50, 711-715.	0.9	15
26	Similarity of muscle synergies in human walking and cycling: Preliminary results. , 2013, 2013, 6933-6.		15
27	Estimulación eléctrica transcutánea como tratamiento de la espasticidad: una revisión sistemática. <i>Neurología</i> , 2019, 34, 451-460.	0.3	15
28	Longitudinal estimation of intramuscular Tibialis Anterior coherence during subacute spinal cord injury: relationship with neurophysiological, functional and clinical outcome measures. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017, 14, 58.	2.4	13
29	Early treatment with UR13870, a novel inhibitor of p38 mitogen-activated protein kinase, prevents hyperreflexia and anxiety behaviors, in the spared nerve injury model of neuropathic pain. <i>Neuroscience Letters</i> , 2015, 604, 69-74.	1.0	11
30	Transcutaneous Spinal Cord Stimulation Enhances Quadriceps Motor Evoked Potential in Healthy Participants: A Double-Blind Randomized Controlled Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 3275.	1.0	11
31	Abnormal cutaneous flexor reflex activity during controlled isometric plantarflexion in human spinal cord injury spasticity syndrome. <i>Spinal Cord</i> , 2016, 54, 687-694.	0.9	10
32	Afferent electrical stimulation during cycling improves spinal processing of sensorimotor function after incomplete spinal cord injury. <i>NeuroRehabilitation</i> , 2017, 40, 429-437.	0.5	10
33	Spasticity therapy reacts to astrocyte GluA1 receptor upregulation following spinal cord injury. <i>British Journal of Pharmacology</i> , 2010, 161, 972-975.	2.7	8
34	20-kHz alternating current stimulation: effects on motor and somatosensory thresholds. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 22.	2.4	8
35	Maintenance of cutaneomuscular neuronal excitability after leg-cycling predicts lower limb muscle strength after incomplete spinal cord injury. <i>Clinical Neurophysiology</i> , 2016, 127, 2402-2409.	0.7	7
36	Percutaneous Versus Transcutaneous Electrical Nerve Stimulation for the Treatment of Musculoskeletal Pain. A Systematic Review and Meta-Analysis. <i>Pain Medicine</i> , 2022, 23, 1387-1400.	0.9	7

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37	Soleus H-reflex modulation following transcutaneous high- and low-frequency spinal stimulation in healthy volunteers. <i>Journal of Electromyography and Kinesiology</i> , 2019, 46, 1-7.	0.7	6
38	Effectiveness of Unihemispheric Concurrent Dual-Site Stimulation over M1 and Dorsolateral Prefrontal Cortex Stimulation on Pain Processing: A Triple Blind Cross-Over Control Trial. <i>Brain Sciences</i> , 2021, 11, 188.	1.1	6
39	Botulinum toxin type a and myofascial pain syndrome: A retrospective study of 301 patients. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2014, 27, 485-492.	0.4	5
40	Afferent stimulation inhibits abnormal cutaneous reflex activity in patients with spinal cord injury spasticity syndrome. <i>NeuroRehabilitation</i> , 2018, 43, 135-146.	0.5	5
41	Nonâ€invasive spinal direct current simulation for spasticity therapy following spinal cord injury: mechanistic insights contributing to longâ€term treatment effects. <i>Journal of Physiology</i> , 2019, 597, 2121-2122.	1.3	5
42	Effects of Dry Needling on Biomechanical Properties of the Myofascial Trigger Points Measured by Myotonometry: A Randomized Controlled Trial. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2021, 44, 467-474.	0.4	4
43	Effect of posture and body weight loading on spinal posterior root reflex responses. <i>European Journal of Neuroscience</i> , 2021, 54, 6575-6586.	1.2	4
44	Effects of Deep Dry Needling on Tremor Severity and Functionality in Stroke: A Case Report. <i>Healthcare (Switzerland)</i> , 2021, 9, 5.	1.0	4
45	Assessing sensorimotor excitability after spinal cord injury: a reflex testing method based on cycling with afferent stimulation. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 1425-1434.	1.6	3
46	Does Frequency Modulation of Transcutaneous Electrical Nerve Stimulation Affect Habituation and Mechanical Hypoalgesia? A Randomized, Double-Blind, Sham-Controlled Crossover Trial. <i>Physical Therapy</i> , 2019, 99, 924-932.	1.1	3
47	Can Transcranial Direct Current Stimulation Enhance Functionality in Older Adults? A Systematic Review. <i>Journal of Clinical Medicine</i> , 2021, 10, 2981.	1.0	3
48	The effect of dry needling of myofascial trigger points on muscle stiffness and motoneuron excitability in healthy subjects. <i>Acupuncture in Medicine</i> , 2021, , 0964528421110275.	0.4	3
49	The effect on handgrip strength of lowâ€frequency percutaneous electric stimulation applied to the median and cubital nerves: A randomized, doubleâ€blind controlled trial. <i>Anatomical Record</i> , 2023, 306, 720-727.	0.8	3
50	Spinal cord compression injury in lysophosphatidic acid 1 receptorâ€null mice promotes maladaptive pronociceptive descending control. <i>European Journal of Pain</i> , 2016, 20, 176-185.	1.4	2
51	Spanish Version of the Whiplash Disability Questionnaire in Adults With Acute Whiplash-Associated Disorders. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2019, 42, 276-283.	0.4	2
52	Test-retest reliability and responsiveness of a comprehensive protocol for the assessment of muscle tone of the ankle plantar flexors in healthy subjects. <i>Isokinetics and Exercise Science</i> , 2019, 27, 107-115.	0.2	2
53	Efficacy of Anodal Suboccipital Direct Current Stimulation for Endogenous Pain Modulation and Tonic Thermal Pain Control in Healthy Participants: A Randomized Controlled Clinical Trial. <i>Pain Medicine</i> , 2021, 22, 2908-2917.	0.9	2
54	Knee Muscle Fatigue Estimation during Isometric Artificially Elicited Contractions in Incomplete Spinal Cord Injured Subjects. <i>Biosystems and Biorobotics</i> , 2013, , 327-332.	0.2	2

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55	Effect of Percutaneous Electric Stimulation with High-Frequency Alternating Currents on the Sensory-Motor System of Healthy Volunteers: A Double-Blind Randomized Controlled Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 1832.	1.0	2
56	Longitudinal Estimation of Intramuscular Tibialis Anterior Coherence during Subacute Spinal Cord Injury: Relationship with Neurophysiological, Clinical and Functional Measures. <i>Biosystems and Biorobotics</i> , 2014, , 295-302.	0.2	1
57	Tibialis Anterior electromyographic analysis during fast dorsiflexion: Relationship with recovery of gait, muscle strength and evoked potentials during subacute spinal cord injury. , 2015, , .		1
58	Long-term effect of high-intensity laser therapy for persistent shoulder pain: A case report. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2020, 33, 947-951.	0.4	1
59	Cutaneomuscular Spinal Reflex Activity as a Biomarker of Motor Dysfunction and Neurorehabilitation After Incomplete Spinal Cord Injury. <i>Biosystems and Biorobotics</i> , 2017, , 1335-1339.	0.2	1
60	A reply letter on "A commentary on "Extracorporeal shockwave therapy improves pain and function in subjects with knee osteoarthritis: A systematic review and meta-analysis of randomized clinical trials" [Int. J. Surg. 2020; 82:64-75]" International Journal of Surgery, 2021, 96, 106177.	1.1	1
61	Cuantificaci3n de la espasticidad autopercebida. Revisi3n de escalas y cuestionarios. <i>Rehabilitacion</i> , 2017, 51, 174-181.	0.2	0
62	The Good, the Bad and the Ugly of Spinal Cord Injury Spasticity: Towards a Better Diagnosis and Targeted Treatment Strategy. <i>Biosystems and Biorobotics</i> , 2013, , 1083-1086.	0.2	0
63	Targeting the Endogenous Pain Modulation System. <i>Biosystems and Biorobotics</i> , 2019, , 682-685.	0.2	0