

Hugo MassÃ©-Alarie

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,021
citations

430754

18
h-index

477173

29
g-index

52
all docs

52
docs citations

52
times ranked

1102
citing authors

#	ARTICLE	IF	CITATIONS
1	Domains of Chronic Low Back Pain and Assessing Treatment Effectiveness: A Clinical Perspective. <i>Pain Practice</i> , 2020, 20, 211-225.	0.9	108
2	Corticomotor control of deep abdominal muscles in chronic low back pain and anticipatory postural adjustments. <i>Experimental Brain Research</i> , 2012, 218, 99-109.	0.7	90
3	Reliability and minimal detectable change of transcranial magnetic stimulation outcomes in healthy adults: A systematic review. <i>Brain Stimulation</i> , 2017, 10, 196-213.	0.7	67
4	Corticomotor control of lumbar multifidus muscles is impaired in chronic low back pain: concurrent evidence from ultrasound imaging and double-pulse transcranial magnetic stimulation. <i>Experimental Brain Research</i> , 2016, 234, 1033-1045.	0.7	58
5	Methods to discriminate between mechanism-based categories of pain experienced in the musculoskeletal system: a systematic review. <i>Pain</i> , 2021, 162, 1007-1037.	2.0	57
6	Systematic Review and Synthesis of Mechanism-based Classification Systems for Pain Experienced in the Musculoskeletal System. <i>Clinical Journal of Pain</i> , 2020, 36, 793-812.	0.8	42
7	Peripheral Neurostimulation and Specific Motor Training of Deep Abdominal Muscles Improve Posturomotor Control in Chronic Low Back Pain. <i>Clinical Journal of Pain</i> , 2013, 29, 814-823.	0.8	41
8	Task-specificity of bilateral anticipatory activation of the deep abdominal muscles in healthy and chronic low back pain populations. <i>Gait and Posture</i> , 2015, 41, 440-447.	0.6	39
9	Repetitive peripheral magnetic neurostimulation of multifidus muscles combined with motor training influences spine motor control and chronic low back pain. <i>Clinical Neurophysiology</i> , 2017, 128, 442-453.	0.7	37
10	Discrete peaks of excitability and map overlap reveal task-specific organization of primary motor cortex for control of human forearm muscles. <i>Human Brain Mapping</i> , 2017, 38, 6118-6132.	1.9	36
11	Psychometric evidence of spasticity measurement tools in cerebral palsy children and adolescents: A systematic review. <i>Journal of Rehabilitation Medicine</i> , 2013, 45, 14-23.	0.8	35
12	Noninvasive neurostimulation in chronic stroke: a double-blind randomized sham-controlled testing of clinical and corticomotor effects. <i>Topics in Stroke Rehabilitation</i> , 2015, 22, 8-17.	1.0	34
13	Influence of chronic low back pain and fear of movement on the activation of the transversely oriented abdominal muscles during forward bending. <i>Journal of Electromyography and Kinesiology</i> , 2016, 27, 87-94.	0.7	34
14	The effect of experimental pain on the excitability of the corticospinal tract in humans: A systematic review and meta-analysis. <i>European Journal of Pain</i> , 2021, 25, 1209-1226.	1.4	34
15	After-effects of peripheral neurostimulation on brain plasticity and ankle function in chronic stroke: The role of afferents recruited. <i>Neurophysiologie Clinique</i> , 2017, 47, 275-291.	1.0	27
16	Influence of paravertebral muscles training on brain plasticity and postural control in chronic low back pain. <i>Scandinavian Journal of Pain</i> , 2016, 12, 74-83.	0.5	25
17	Revisiting the Corticomotor Plasticity in Low Back Pain: Challenges and Perspectives. <i>Healthcare (Switzerland)</i> , 2016, 4, 67.	1.0	20
18	The side of chronic low back pain matters: evidence from the primary motor cortex excitability and the postural adjustments of multifidus muscles. <i>Experimental Brain Research</i> , 2017, 235, 647-659.	0.7	20

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19	Effect of exercise on pain processing and motor output in people with knee osteoarthritis: a systematic review and meta-analysis. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 1501-1513.	0.6	19
20	Reliability of lower limb transcranial magnetic stimulation outcomes in the ipsi- and contralesional hemispheres of adults with chronic stroke. <i>Clinical Neurophysiology</i> , 2017, 128, 1290-1298.	0.7	18
21	Within-session test-retest reliability of pressure pain threshold and mechanical temporal summation in healthy subjects. <i>PLoS ONE</i> , 2021, 16, e0245278.	1.1	17
22	Brain control of volitional ankle tasks in people with chronic stroke and in healthy individuals. <i>Journal of the Neurological Sciences</i> , 2014, 338, 148-155.	0.3	16
23	Paired-Pulse TMS and Fine-Wire Recordings Reveal Short-Interval Intracortical Inhibition and Facilitation of Deep Multifidus Muscle Fascicles. <i>PLoS ONE</i> , 2016, 11, e0159391.	1.1	14
24	Modulation of corticospinal output in agonist and antagonist proximal arm muscles during motor preparation. <i>PLoS ONE</i> , 2017, 12, e0188801.	1.1	13
25	Modulation of Corticospinal Excitability of Trunk Muscles in Preparation of Rapid Arm Movement. <i>Neuroscience</i> , 2018, 369, 231-241.	1.1	13
26	Corticomotor reorganization during short-term visuomotor training in the lower back: A randomized controlled study. <i>Brain and Behavior</i> , 2020, 10, e01702.	1.0	11
27	The nociceptive withdrawal reflex of the trunk is organized with unique muscle receptive fields and motor strategies. <i>European Journal of Neuroscience</i> , 2019, 50, 1932-1947.	1.2	10
28	The Effect of Noninvasive Brain Stimulation to Reduce Nonspecific Low Back Pain. <i>Clinical Journal of Pain</i> , 2021, 37, 475-485.	0.8	10
29	Stimulating the Healthy Brain to Investigate Neural Correlates of Motor Preparation: A Systematic Review. <i>Neural Plasticity</i> , 2018, 2018, 1-14.	1.0	9
30	Influence of different transcranial magnetic stimulation current directions on the corticomotor control of lumbar erector spinae muscles during a static task. <i>Journal of Neurophysiology</i> , 2021, 126, 1276-1288.	0.9	8
31	A new method to elicit and measure movement illusions in stroke by means of muscle tendon vibration: the Standardized Kinesthetic Illusion Procedure (SKIP). <i>Somatosensory & Motor Research</i> , 2020, 37, 28-36.	0.4	8
32	Electrical Stimulation of Back Muscles Does Not Prime the Corticospinal Pathway. <i>Neuromodulation</i> , 2019, 22, 555-563.	0.4	7
33	Low back pain definitions: effect on patient inclusion and clinical profiles. <i>Pain Reports</i> , 2022, 7, e997.	1.4	5
34	Is adding pelvic floor muscle training to an exercise intervention more effective at improving pain in patients with non-specific low back pain? A systematic review of randomized controlled trials. <i>Physiotherapy</i> , 2021, 110, 15-25.	0.2	4
35	Motor Responses of Lumbar Erector Spinae Induced by Electrical Vestibular Stimulation in Seated Participants. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 690433.	1.0	4
36	Can training of a skilled pelvic movement change corticomotor control of back muscles? Comparison of single and paired-pulse transcranial magnetic stimulation. <i>European Journal of Neuroscience</i> , 2022, 56, 3705-3719.	1.2	4

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37	The influence of experimental low back pain on neural networks involved in the control of lumbar erector spinae muscles. <i>Journal of Neurophysiology</i> , 2022, 127, 1593-1605.	0.9	4
38	Repetitive transcranial magnetic stimulation alone and in combination with motor control exercise for the treatment of individuals with chronic non-specific low back pain (ExTraStim trial): study protocol for a randomised controlled trial. <i>BMJ Open</i> , 2021, 11, e045504.	0.8	3
39	Reply to the comment on: "Reporting matters: Brain mapping with transcranial magnetic stimulation". <i>Human Brain Mapping</i> , 2019, 40, 354-355.	1.9	2
40	Effect of thermal therapy and exercises on acute low back pain: a protocol for a randomized controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 814.	0.8	2
41	Wrist, but Not Back, Isometric Contraction Induced Widespread Hypoalgesia in Healthy Participants. <i>Frontiers in Pain Research</i> , 2021, 2, 701830.	0.9	2
42	Stretch-induced hypoalgesia: a pilot study. <i>Scandinavian Journal of Pain</i> , 2020, 20, 837-845.	0.5	2
43	Motor control of the spine in pregnancy-related lumbopelvic pain: A systematic review. <i>Clinical Biomechanics</i> , 2022, 98, 105716.	0.5	2
44	Multifidus voluntary training versus hip extension exercises in chronic low back pain: effects on clinical outcomes and underlying corticomotor function. <i>Physiotherapy</i> , 2015, 101, e960-e961.	0.2	1
45	Effects of different modalities of afferent stimuli of the lumbo-sacral area on control of lumbar paravertebral muscles. <i>European Journal of Neuroscience</i> , 2022, 56, 3687-3704.	1.2	1
46	The activation of transversus abdominis muscle during rapid limb movements depends on the anticipation of postural demand rather than on respiratory reflexes. <i>Gait and Posture</i> , 2018, 60, 13-14.	0.6	0
47	Influence of different transcranial magnetic stimulation current directions on the corticomotor control of lumbar erector spinae muscles during a static task. <i>Brain Stimulation</i> , 2021, 14, 1594.	0.7	0
48	UTAUT2-based questionnaire: cross-cultural adaptation to Canadian French. <i>Disability and Rehabilitation</i> , 2022, , 1-8.	0.9	0