

Siobhan May Schabrun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6742021/publications.pdf>

Version: 2024-02-01

93
papers

2,731
citations

201658

27
h-index

214788

47
g-index

99
all docs

99
docs citations

99
times ranked

2933
citing authors

#	ARTICLE	IF	CITATIONS
1	Cortical function and sensorimotor plasticity are prognostic factors associated with future low back pain after an acute episode: the Understanding persistent Pain Where it ResiDes prospective cohort study. <i>Pain</i> , 2023, 164, 14-26.	4.2	10
2	Low Somatosensory Cortex Excitability in the Acute Stage of Low Back Pain Causes Chronic Pain. <i>Journal of Pain</i> , 2022, 23, 289-304.	1.4	15
3	Interhemispheric inhibition between primary sensory cortices is not influenced by acute muscle pain. <i>Journal of Pain</i> , 2022, , .	1.4	0
4	The Effect of Acute and Sustained Pain on Corticomotor Excitability: A Systematic Review and Meta-Analysis of Group and Individual Level Data. <i>Journal of Pain</i> , 2022, 23, 1680-1696.	1.4	10
5	It's safe to move! A protocol for a randomised controlled trial investigating the effect of a video designed to increase people's confidence becoming more active despite back pain. <i>BMJ Open</i> , 2022, 12, e063250.	1.9	0
6	Aberrant plasticity in musculoskeletal pain: a failure of homeostatic control?. <i>Experimental Brain Research</i> , 2021, 239, 1317-1326.	1.5	9
7	Relative and absolute reliability of somatosensory evoked potentials in response to non-noxious electrical stimulation of the paraspinal muscles in healthy participants at an interval of 3-months. <i>International Journal of Neuroscience</i> , 2021, , 1-8.	1.6	1
8	What do people post on social media relative to low back pain? A content analysis of Australian data. <i>Musculoskeletal Science and Practice</i> , 2021, 54, 102402.	1.3	6
9	Manual Acupuncture Plus Usual Care Versus Usual Care Alone in the Treatment of Endometriosis-Related Chronic Pelvic Pain: A Randomized Controlled Feasibility Study. <i>Journal of Alternative and Complementary Medicine</i> , 2021, 27, 841-849.	2.1	15
10	An Exploration of Blood Marker-Environment Interaction Effects on Pain Severity and Interference Scores in People With Acute Musculoskeletal Trauma. <i>Clinical Journal of Pain</i> , 2021, 37, 747-758.	1.9	2
11	Efficacy, acceptability, and safety of muscle relaxants for adults with non-specific low back pain: systematic review and meta-analysis. <i>BMJ</i> , The, 2021, 374, n1446.	6.0	41
12	The Relationship Between Corticomotor Reorganization and Acute Pain Severity: A Randomized, Controlled Study Using Rapid Transcranial Magnetic Stimulation Mapping. <i>Pain Medicine</i> , 2021, 22, 1312-1323.	1.9	10
13	Central pain processing does not differ between first episode and recurrent acute low back pain. <i>Physiotherapy Practice and Research</i> , 2020, 41, 35-42.	0.1	1
14	Neural multimodal integration underlying synchronization with a co-performer in music: Influences of motor expertise and visual information. <i>Neuroscience Letters</i> , 2020, 721, 134803.	2.1	7
15	Implementation of a community-based, physiotherapy-led, multidisciplinary model of care for the management of knee osteoarthritis: protocol for a feasibility study. <i>BMJ Open</i> , 2020, 10, e039152.	1.9	5
16	A novel cortical biomarker signature for predicting pain sensitivity: protocol for the PREDICT longitudinal analytical validation study. <i>Pain Reports</i> , 2020, 5, e833.	2.7	6
17	Corticomotor reorganization during short-term visuomotor training in the lower back: A randomized controlled study. <i>Brain and Behavior</i> , 2020, 10, e01702.	2.2	11
18	Cerebral peak alpha frequency reflects average pain severity in a human model of sustained, musculoskeletal pain. <i>Journal of Neurophysiology</i> , 2019, 122, 1784-1793.	1.8	31

#	ARTICLE	IF	CITATIONS
19	Transcranial Direct Current Stimulation for Pain Disorders: Challenges and New Frontiers. <i>Clinical Pharmacology and Therapeutics</i> , 2019, 106, 717-719.	4.7	2
20	Sensorimotor Cortical Activity in Acute Low Back Pain: A Cross-Sectional Study. <i>Journal of Pain</i> , 2019, 20, 819-829.	1.4	26
21	Corticomotor Depression is Associated With Higher Pain Severity in the Transition to Sustained Pain: A Longitudinal Exploratory Study of Individual Differences. <i>Journal of Pain</i> , 2019, 20, 1498-1506.	1.4	22
22	Corticomotor excitability reduction induced by experimental pain remains unaffected by performing a working memory task as compared to staying at rest. <i>Experimental Brain Research</i> , 2019, 237, 2205-2215.	1.5	8
23	Electrical Stimulation of Back Muscles Does Not Prime the Corticospinal Pathway. <i>Neuromodulation</i> , 2019, 22, 555-563.	0.8	7
24	Do sensorimotor cortex activity, an individual's capacity for neuroplasticity, and psychological features during an episode of acute low back pain predict outcome at 6 months: a protocol for an Australian, multisite prospective, longitudinal cohort study. <i>BMJ Open</i> , 2019, 9, e029027.	1.9	10
25	Association Between Clinical Tests Related to Motor Control Dysfunction and Changes in Pain and Disability After Lumbar Stabilization Exercises in Individuals With Chronic Low Back Pain. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 1226-1233.	0.9	1
26	Interhemispheric Inhibition Is Reduced in Response to Acute Muscle Pain: A Cross-Sectional Study Using Transcranial Magnetic Stimulation. <i>Journal of Pain</i> , 2019, 20, 1091-1099.	1.4	16
27	The Role of Perceived Stress and Life Stressors in the Development of Chronic Musculoskeletal Pain Disorders: A Systematic Review. <i>Journal of Pain</i> , 2019, 20, 1127-1139.	1.4	38
28	Is there a causal relationship between acute stage sensorimotor cortex activity and the development of chronic low back pain? a protocol and statistical analysis plan. <i>BMJ Open</i> , 2019, 9, e035792.	1.9	4
29	Motor adaptation varies between individuals in the transition to sustained pain. <i>Pain</i> , 2019, 160, 2115-2125.	4.2	17
30	Effect of sustained experimental muscle pain on joint position sense. <i>Pain Reports</i> , 2019, 4, e737.	2.7	5
31	Repetitive transcranial magnetic stimulation of the primary motor cortex expedites recovery in the transition from acute to sustained experimental pain: a randomised, controlled study. <i>Pain</i> , 2019, 160, 2624-2633.	4.2	23
32	Reply to the comment on: "Reporting matters: Brain mapping with transcranial magnetic stimulation". <i>Human Brain Mapping</i> , 2019, 40, 354-355.	3.6	2
33	High frequency repetitive transcranial magnetic stimulation to the left dorsolateral prefrontal cortex modulates sensorimotor cortex function in the transition to sustained muscle pain. <i>NeuroImage</i> , 2019, 186, 93-102.	4.2	30
34	Altered Primary Motor Cortex Structure, Organization, and Function in Chronic Pain: A Systematic Review and Meta-Analysis. <i>Journal of Pain</i> , 2018, 19, 341-359.	1.4	73
35	Disruption of cortical synaptic homeostasis in individuals with chronic low back pain. <i>Clinical Neurophysiology</i> , 2018, 129, 1090-1096.	1.5	21
36	Shoulder Taping and Neuromuscular Control. <i>Journal of Athletic Training</i> , 2018, 53, 395-403.	1.8	5

#	ARTICLE	IF	CITATIONS
37	Movement Does Not Promote Recovery of Motor Output Following Acute Experimental Muscle Pain. <i>Pain Medicine</i> , 2018, 19, 608-614.	1.9	12
38	The Response of the Primary Motor Cortex to Neuromodulation is Altered in Chronic Low Back Pain: A Preliminary Study. <i>Pain Medicine</i> , 2018, 19, 1227-1236.	1.9	23
39	Is the Organization of the Primary Motor Cortex in Low Back Pain Related to Pain, Movement, and/or Sensation?. <i>Clinical Journal of Pain</i> , 2018, 34, 207-216.	1.9	25
40	Factors Contributing to Chronic Ankle Instability: A Systematic Review and Meta-Analysis of Systematic Reviews. <i>Sports Medicine</i> , 2018, 48, 189-205.	6.5	117
41	Left dorsolateral prefrontal cortex repetitive transcranial magnetic stimulation reduces the development of long-term muscle pain. <i>Pain</i> , 2018, 159, 2486-2492.	4.2	40
42	The type and pain provoking nature of exercise prescribed for low back pain: A survey of Australian health professionals. <i>Musculoskeletal Science and Practice</i> , 2018, 38, 37-45.	1.3	5
43	Experimental muscle hyperalgesia modulates sensorimotor cortical excitability, which is partially altered by unaccustomed exercise. <i>Pain</i> , 2018, 159, 2493-2502.	4.2	26
44	Cortical Somatosensory Excitability Is Modulated in Response to Several Days of Muscle Soreness. <i>Journal of Pain</i> , 2018, 19, 1296-1307.	1.4	20
45	The reliability and validity of rapid transcranial magnetic stimulation mapping. <i>Brain Stimulation</i> , 2018, 11, 1291-1295.	1.6	26
46	Test-Retest Reliability of Homeostatic Plasticity in the Human Primary Motor Cortex. <i>Neural Plasticity</i> , 2018, 2018, 1-9.	2.2	9
47	Manual acupuncture plus usual care versus usual care alone in the treatment of endometriosis-related chronic pelvic pain: study protocol for a randomised controlled feasibility study. <i>Pilot and Feasibility Studies</i> , 2018, 4, 10.	1.2	7
48	Anticipatory and compensatory postural adjustments in people with low back pain: a systematic review and meta-analysis. <i>Spine Journal</i> , 2018, 18, 1934-1949.	1.3	59
49	Integrating culturally informed approaches into physiotherapy assessment and treatment of chronic pain: a pilot randomised controlled trial. <i>BMJ Open</i> , 2018, 8, e021999.	1.9	19
50	Smudging of the Motor Cortex Is Related to the Severity of Low Back Pain. <i>Spine</i> , 2017, 42, 1172-1178.	2.0	81
51	Peripheral electrical stimulation increases corticomotor excitability and enhances the rate of visuomotor adaptation. <i>Behavioural Brain Research</i> , 2017, 322, 42-50.	2.2	3
52	Temporal and spatial characteristics of post-silent period electromyographic bursting in low back muscles: comparison between persons with and without low back pain. <i>International Journal of Neuroscience</i> , 2017, 127, 1074-1081.	1.6	6
53	Integrating culturally informed approaches into the physiotherapy assessment and treatment of chronic pain: protocol for a pilot randomised controlled trial. <i>BMJ Open</i> , 2017, 7, e014449.	1.9	13
54	Primary Motor Cortex Organization Is Altered in Persistent Patellofemoral Pain. <i>Pain Medicine</i> , 2017, 18, 2224-2234.	1.9	47

#	ARTICLE	IF	CITATIONS
55	Improved compensatory postural adjustments of the deep abdominals following exercise in people with chronic low back pain. <i>Journal of Electromyography and Kinesiology</i> , 2017, 37, 117-124.	1.7	17
56	Safety and feasibility of transcranial direct current stimulation (tDCS) combined with sensorimotor retraining in chronic low back pain: a protocol for a pilot randomised controlled trial. <i>BMJ Open</i> , 2017, 7, e013080.	1.9	7
57	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.	3.6	36
58	The number of stimuli required to reliably assess corticomotor excitability and primary motor cortical representations using transcranial magnetic stimulation (TMS): a systematic review and meta-analysis. <i>Systematic Reviews</i> , 2017, 6, 48.	5.3	81
59	Determining the Optimal Number of Stimuli per Cranial Site during Transcranial Magnetic Stimulation Mapping. <i>Neuroscience Journal</i> , 2017, 2017, 1-8.	2.5	9
60	The role of psychosocial stress in the development of chronic musculoskeletal pain disorders: protocol for a systematic review and meta-analysis. <i>Systematic Reviews</i> , 2017, 6, 224.	5.3	25
61	Addition of transcranial direct current stimulation to quadriceps strengthening exercise in knee osteoarthritis: A pilot randomised controlled trial. <i>PLoS ONE</i> , 2017, 12, e0180328.	2.5	43
62	Physical activity and the mediating effect of fear, depression, anxiety, and catastrophizing on pain related disability in people with chronic low back pain. <i>PLoS ONE</i> , 2017, 12, e0180788.	2.5	142
63	Research Priorities in the Field of Posttraumatic Pain and Disability: Results of a Transdisciplinary Consensus-Generating Workshop. <i>Pain Research and Management</i> , 2016, 2016, 1-8.	1.8	2
64	Transcranial Direct Current Stimulation to Enhance Dual-Task Gait Training in Parkinson's Disease: A Pilot RCT. <i>PLoS ONE</i> , 2016, 11, e0158497.	2.5	39
65	Factors contributing to chronic ankle instability: a protocol for a systematic review of systematic reviews. <i>Systematic Reviews</i> , 2016, 5, 94.	5.3	14
66	Anticipatory and compensatory postural adjustments in people with low back pain: a protocol for a systematic review and meta-analysis. <i>Systematic Reviews</i> , 2016, 5, 62.	5.3	5
67	H-reflex excitability is inhibited in soleus, but not gastrocnemius, at the short-latency response of a horizontal jump-landing task. <i>Human Movement Science</i> , 2016, 47, 1-8.	1.4	4
68	Reduced Short- and Long-Latency Afferent Inhibition Following Acute Muscle Pain: A Potential Role in the Recovery of Motor Output. <i>Pain Medicine</i> , 2016, 17, 1343-1352.	1.9	19
69	Hand therapy versus corticosteroid injections in the treatment of de Quervain's disease: A systematic review and meta-analysis. <i>Journal of Hand Therapy</i> , 2016, 29, 3-11.	1.5	31
70	Organisation and function of the primary motor cortex in chronic pain: protocol for a systematic review and meta-analysis. <i>BMJ Open</i> , 2015, 5, e008540.	1.9	12
71	Determining the number of stimuli required to reliably assess corticomotor excitability and primary motor cortical representations using transcranial magnetic stimulation (TMS): a protocol for a systematic review and meta-analysis. <i>Systematic Reviews</i> , 2015, 4, 107.	5.3	8
72	New Insight into the Time-Course of Motor and Sensory System Changes in Pain. <i>PLoS ONE</i> , 2015, 10, e0142857.	2.5	28

#	ARTICLE	IF	CITATIONS
73	Validation of a Clinical Test of Thoracolumbar Dissociation in Chronic Low Back Pain. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2015, 45, 703-712.	3.5	12
74	Novel Adaptations in Motor Cortical Maps. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 681-690.	0.4	72
75	Combined exercise and transcranial direct current stimulation intervention for knee osteoarthritis: protocol for a pilot randomised controlled trial: Table 1. <i>BMJ Open</i> , 2015, 5, e008482.	1.9	23
76	A clinical test of lumbopelvic control: Development and reliability of a clinical test of dissociation of lumbopelvic and thoracolumbar motion. <i>Manual Therapy</i> , 2014, 19, 418-424.	1.6	27
77	Targeting Chronic Recurrent Low Back Pain From the Top-down and the Bottom-up: A Combined Transcranial Direct Current Stimulation and Peripheral Electrical Stimulation Intervention. <i>Brain Stimulation</i> , 2014, 7, 451-459.	1.6	118
78	Texting and Walking: Strategies for Postural Control and Implications for Safety. <i>PLoS ONE</i> , 2014, 9, e84312.	2.5	152
79	The effect of electrical stimulation on corticospinal excitability is dependent on application duration: a same subject pre-post test design. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2013, 10, 51.	4.6	34
80	Interaction Between Simultaneously Applied Neuromodulatory Interventions in Humans. <i>Brain Stimulation</i> , 2013, 6, 624-630.	1.6	44
81	An update on brain plasticity for physical therapists. <i>Physiotherapy Practice and Research</i> , 2013, 34, 1-8.	0.1	4
82	The Effect of Interactive Neurostimulation Therapy on Myofascial Trigger Points Associated with Mechanical Neck Pain: A Preliminary Randomized, Sham-Controlled Trial. <i>Journal of Alternative and Complementary Medicine</i> , 2012, 18, 946-952.	2.1	12
83	Muscle Pain Differentially Modulates Short Interval Intracortical Inhibition and Intracortical Facilitation in Primary Motor Cortex. <i>Journal of Pain</i> , 2012, 13, 187-194.	1.4	97
84	A checklist for assessing the methodological quality of studies using transcranial magnetic stimulation to study the motor system: An international consensus study. <i>Clinical Neurophysiology</i> , 2012, 123, 1698-1704.	1.5	196
85	Priming the brain to learn: The future of therapy?. <i>Manual Therapy</i> , 2012, 17, 184-186.	1.6	45
86	Primary Sensory and Motor Cortex Excitability Are Co-Modulated in Response to Peripheral Electrical Nerve Stimulation. <i>PLoS ONE</i> , 2012, 7, e51298.	2.5	81
87	Corticospinal Excitability is Dependent on the Parameters of Peripheral Electric Stimulation: A Preliminary Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011, 92, 1423-1430.	0.9	78
88	Anal sphincter fatigue: Is the mechanism peripheral or central?. <i>Neurourology and Urodynamics</i> , 2011, 30, 1550-1556.	1.5	11
89	Response to Commentary of "Evidence for the retraining of sensation after stroke: A systematic review". <i>Australian Occupational Therapy Journal</i> , 2010, 57, 205-206.	1.1	0
90	Effects of whole body vibration on strength and functional mobility in multiple sclerosis. <i>Physiotherapy Theory and Practice</i> , 2010, 26, 374-384.	1.3	42

#	ARTICLE	IF	CITATIONS
91	Normalizing Motor Cortex Representations in Focal Hand Dystonia. <i>Cerebral Cortex</i> , 2009, 19, 1968-1977.	2.9	74
92	How Accurate are Therapeutic Ultrasound Machines?. <i>Hong Kong Physiotherapy Journal</i> , 2008, 26, 39-44.	1.0	8
93	Are therapeutic ultrasound units a potential vector for nosocomial infection?. <i>Physiotherapy Research International</i> , 2006, 11, 61-71.	1.5	48