

Cyril Schneider

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,806
citations

279798

23
h-index

276875

41
g-index

58
all docs

58
docs citations

58
times ranked

1741
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies on the Corticospinal Control of Human Walking. I. Responses to Focal Transcranial Magnetic Stimulation of the Motor Cortex. <i>Journal of Neurophysiology</i> , 1999, 81, 129-139.	1.8	291
2	On the Origin of the Soleus H-Reflex Modulation Pattern During Human Walking and Its Task-Dependent Differences. <i>Journal of Neurophysiology</i> , 2000, 83, 2881-2890.	1.8	118
3	Corticomotor control of deep abdominal muscles in chronic low back pain and anticipatory postural adjustments. <i>Experimental Brain Research</i> , 2012, 218, 99-109.	1.5	90
4	Neural mechanisms involved in the functional linking of motor cortical points. <i>Experimental Brain Research</i> , 2002, 146, 86-94.	1.5	81
5	Repetitive peripheral magnetic stimulation to reduce pain or improve sensorimotor impairments: A literature review on parameters of application and afferents recruitment. <i>Neurophysiologie Clinique</i> , 2015, 45, 223-237.	2.2	76
6	Effects of repetitive peripheral magnetic stimulation on normal or impaired motor control. A review. <i>Neurophysiologie Clinique</i> , 2013, 43, 251-260.	2.2	75
7	Reliability and minimal detectable change of transcranial magnetic stimulation outcomes in healthy adults: A systematic review. <i>Brain Stimulation</i> , 2017, 10, 196-213.	1.6	67
8	Progressive Adaptation of the Soleus H-Reflex With Daily Training at Walking Backward. <i>Journal of Neurophysiology</i> , 2003, 89, 648-656.	1.8	66
9	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.	1.5	58
10	Enhancement of episodic memory in young and healthy adults: A paired-pulse TMS study on encoding and retrieval performance. <i>Neuroscience Letters</i> , 2011, 488, 138-142.	2.1	54
11	Cerebral motor function in very premature birth adolescents: a brain stimulation exploration of kangaroo mother care effects. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2012, 101, 1045-1053.	1.5	53
12	Paired-pulse transcranial magnetic stimulation over the dorsolateral prefrontal cortex interferes with episodic encoding and retrieval for both verbal and non-verbal materials. <i>Brain Research</i> , 2010, 1344, 148-158.	2.2	47
13	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.	1.9	41
14	Timing of cortical excitability changes during the reaction time of movements superimposed on tonic motor activity. <i>Journal of Applied Physiology</i> , 2004, 97, 2220-2227.	2.5	40
15	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.	1.4	39
16	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.	1.5	37
17	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
18	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.	1.1	35

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19	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.	1.9	34
20	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.	1.7	34
21	Noninvasive and Painless Magnetic Stimulation of Nerves Improved Brain Motor Function and Mobility in a Cerebral Palsy Case. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, 1984-1990.	0.9	32
22	Peripheral Magnetic Stimulation to Decrease Spasticity in Cerebral Palsy. <i>Pediatric Neurology</i> , 2012, 47, 345-348.	2.1	28
23	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.	2.2	27
24	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.	1.3	25
25	Brain motor excitability and visuomotor coordination in 8-year-old children born very preterm. <i>Clinical Neurophysiology</i> , 2012, 123, 1191-1199.	1.5	23
26	Quantitative evidence for multiple widespread representations of individual muscles in the cat motor cortex. <i>Neuroscience Letters</i> , 2001, 310, 183-187.	2.1	22
27	Intermittent Theta-Burst Stimulation of the Right Dorsolateral Prefrontal Cortex to Promote Metaphor Comprehension in Parkinson Disease: A Case Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 74-83.	0.9	21
28	Factors influencing the quick onset of stepping following postural perturbation. <i>Journal of Biomechanics</i> , 1999, 32, 795-802.	2.1	20
29	Revisiting the Corticomotor Plasticity in Low Back Pain: Challenges and Perspectives. <i>Healthcare (Switzerland)</i> , 2016, 4, 67.	2.0	20
30	The side of chronic low back pain matters: evidence from the primary motor cortex excitability and the postural adjustments of multifidi muscles. <i>Experimental Brain Research</i> , 2017, 235, 647-659.	1.5	20
31	Dynamic influence of wrist flexion and extension on the intracortical inhibition of the first dorsal interosseus muscle during precision grip. <i>Brain Research</i> , 2008, 1195, 77-88.	2.2	19
32	Dynamic changes in corticospinal control of precision grip during wrist movements. <i>Brain Research</i> , 2007, 1164, 32-43.	2.2	18
33	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.	1.5	18
34	Coordination of rapid stepping with arm pointing: Anticipatory changes and step adaptation. <i>Human Movement Science</i> , 2007, 26, 357-375.	1.4	17
35	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.	0.6	16
36	A Multi-faceted Visual Analytics Tool for Exploratory Analysis of Human Brain and Function Datasets. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 36.	2.5	16

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37	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.	2.5	14
38	Visuo-motor coordination in 8-year-old children born pre-term before and after 28 weeks of gestation. <i>Developmental Neurorehabilitation</i> , 2008, 11, 215-224.	1.1	13
39	Coordination of pointing and stepping: Do postural phenomena result from the juxtaposition of the dynamics of each task?. <i>Neuroscience Letters</i> , 2007, 425, 63-68.	2.1	10
40	Checklist on the Quality of the Repetitive Peripheral Magnetic Stimulation (rPMS) Methods in Research: An International Delphi Study. <i>Frontiers in Neurology</i> , 2022, 13, 852848.	2.4	10
41	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.	0.9	8
42	The Contribution of the Dorsolateral Prefrontal Cortex in Full and Divided Encoding: A Paired-Pulse Transcranial Magnetic Stimulation Study. <i>Behavioural Neurology</i> , 2010, 23, 107-115.	2.1	6
43	Complex Regional Pain Syndrome. A Comprehensive Review on Neuroplastic Changes Supporting the Use of Non-invasive Neurostimulation in Clinical Settings. <i>Frontiers in Pain Research</i> , 2021, 2, 732343.	2.0	6
44	The contribution of the dorsolateral prefrontal cortex in full and divided encoding: a paired-pulse transcranial magnetic stimulation study. <i>Behavioural Neurology</i> , 2010, 23, 107-15.	2.1	4
45	Theta-Burst Stimulation of Forearm Muscles in Patients With Complex Regional Pain Syndrome: Influence on Brain and Clinical Outcomes. <i>Frontiers in Pain Research</i> , 2021, 2, 736806.	2.0	3
46	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
47	Prematurity and Morbidity: Could KMC Reverse the Process?. <i>Current Women's Health Reviews</i> , 2011, 7, 254-261.	0.2	2
48	Mechanical Tendon Vibration Protocol to Evaluate the Integrity of Proprioceptive Integration in Chronic Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, e23.	0.9	1
49	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.	0.4	1
50	Altered transcallosal inhibition evidenced by transcranial magnetic stimulation highlights neurophysiological consequences of premature birth in early adulthood. <i>Journal of the Neurological Sciences</i> , 2018, 393, 18-23.	0.6	1
51	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.	1.4	0
52	Noninvasive neuromodulation for rehabilitation of sensorimotor function and reduction of chronic pain. <i>Neurophysiologie Clinique</i> , 2018, 48, 244.	2.2	0
53	Noninvasive stimulation of the unlesioned hemisphere and phonological treatment in a case of chronic anomia post-stroke. <i>Neurocase</i> , 2022, , 1-12.	0.6	0
54	Repetitive peripheral magnetic stimulation to improve ankle function and gait in cerebral palsy at adulthood: An open-label case study. <i>Brain Research</i> , 2022, 1792, 147999.	2.2	0