

# Katia K Monte-Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

2,954  
citations

257450

24  
h-index

214800

47  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3542  
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of Late LTP-Like Plasticity in the Human Motor Cortex by Repeated Non-Invasive Brain Stimulation. <i>Brain Stimulation</i> , 2013, 6, 424-432.	1.6	669
2	Shaping the Optimal Repetition Interval for Cathodal Transcranial Direct Current Stimulation (tDCS). <i>Journal of Neurophysiology</i> , 2010, 103, 1735-1740.	1.8	292
3	Brain-derived neurotrophic factor (BDNF) gene polymorphisms shape cortical plasticity in humans. <i>Brain Stimulation</i> , 2010, 3, 230-237.	1.6	208
4	Dose-Dependent Inverted U-Shaped Effect of Dopamine (D <sub>2</sub> -Like) Receptor Activation on Focal and Nonfocal Plasticity in Humans. <i>Journal of Neuroscience</i> , 2009, 29, 6124-6131.	3.6	189
5	Dosage-dependent non-linear effect of $\alpha$ -dopa on human motor cortex plasticity. <i>Journal of Physiology</i> , 2010, 588, 3415-3424.	2.9	149
6	Efficacy of Coupling Repetitive Transcranial Magnetic Stimulation and Physical Therapy to Reduce Upper-Limb Spasticity in Patients With Stroke: A Randomized Controlled Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, 222-229.	0.9	123
7	Effects of the addition of transcranial direct current stimulation to virtual reality therapy after stroke: A pilot randomized controlled trial. <i>NeuroRehabilitation</i> , 2014, 34, 437-446.	1.3	107
8	After-effects of transcranial direct current stimulation (tDCS) on cortical spreading depression. <i>Neuroscience Letters</i> , 2006, 398, 85-90.	2.1	105
9	D1-Receptor Impact on Neuroplasticity in Humans. <i>Journal of Neuroscience</i> , 2009, 29, 2648-2653.	3.6	98
10	Beyond the target area: an integrative view of tDCS-induced motor cortex modulation in patients and athletes. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 141.	4.6	89
11	The impact of transcranial direct current stimulation (tDCS) combined with modified constraint-induced movement therapy (mCIMT) on upper limb function in chronic stroke: a double-blind randomized controlled trial. <i>Disability and Rehabilitation</i> , 2016, 38, 653-660.	1.8	84
12	Transcranial direct current stimulation in the prophylactic treatment of migraine based on interictal visual cortex excitability abnormalities: A pilot randomized controlled trial. <i>Journal of the Neurological Sciences</i> , 2015, 349, 33-39.	0.6	68
13	Effects of transcranial direct current stimulation coupled with repetitive electrical stimulation on cortical spreading depression. <i>Experimental Neurology</i> , 2007, 204, 462-466.	4.1	63
14	Site-specific effects of mental practice combined with transcranial direct current stimulation on motor learning. <i>European Journal of Neuroscience</i> , 2013, 37, 786-794.	2.6	62
15	Transcranial direct current stimulation associated with gait training in Parkinson's disease: A pilot randomized clinical trial. <i>Developmental Neurorehabilitation</i> , 2017, 20, 121-128.	1.1	58
16	Electromyogram-Related Neuromuscular Electrical Stimulation for Restoring Wrist and Hand Movement in Poststroke Hemiplegia: A Systematic Review and Meta-Analysis. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 96-111.	2.9	58
17	Transcranial direct current stimulation. <i>NeuroReport</i> , 2015, 26, 618-622.	1.2	52
18	Efficacy of Noninvasive Brain Stimulation on Pain Control in Migraine Patients: A Systematic Review and Meta-Analysis. <i>Headache</i> , 2016, 56, 1565-1596.	3.9	50

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19	D2 Receptor Block Abolishes Theta Burst Stimulation-Induced Neuroplasticity in the Human Motor Cortex. <i>Neuropsychopharmacology</i> , 2011, 36, 2097-2102.	5.4	47
20	Latin American and Caribbean consensus on noninvasive central nervous system neuromodulation for chronic pain management (LAC2-NIN-CP). <i>Pain Reports</i> , 2019, 4, e692.	2.7	41
21	Applications of Non-invasive Neuromodulation for the Management of Disorders Related to COVID-19. <i>Frontiers in Neurology</i> , 2020, 11, 573718.	2.4	40
22	Cerebellar Transcranial Direct Current Stimulation (ctDCS) Impairs Balance Control in Healthy Individuals. <i>Cerebellum</i> , 2017, 16, 872-875.	2.5	34
23	Dopamine-independent effects of combining transcranial direct current stimulation with cued gait training on cortical excitability and functional mobility in Parkinson's disease. <i>Journal of Rehabilitation Medicine</i> , 2016, 48, 819-823.	1.1	32
24	Dopaminergic Impact on Cortical Excitability in Humans. <i>Reviews in the Neurosciences</i> , 2010, 21, 289-98.	2.9	30
25	Effects of repetitive transcranial magnetic stimulation and trans-spinal direct current stimulation associated with treadmill exercise in spinal cord and cortical excitability of healthy subjects: A triple-blind, randomized and sham-controlled study. <i>PLoS ONE</i> , 2018, 13, e0195276.	2.5	20
26	Cortical and spinal excitability changes after repetitive transcranial magnetic stimulation combined to physiotherapy in stroke spastic patients. <i>Neurological Sciences</i> , 2019, 40, 1199-1207.	1.9	20
27	Motor cortex excitability in attention-deficit hyperactivity disorder (ADHD): A systematic review and meta-analysis. <i>Research in Developmental Disabilities</i> , 2016, 56, 1-9.	2.2	19
28	Lasting accelerative effects of 1 Hz and 20 Hz electrical stimulation on cortical spreading depression: relevance for clinical applications of brain stimulation. <i>European Journal of Neuroscience</i> , 2005, 21, 2278-2284.	2.6	18
29	Cortical excitability variability: Insights into biological and behavioral characteristics of healthy individuals. <i>Journal of the Neurological Sciences</i> , 2018, 390, 172-177.	0.6	18
30	Quantitative Electroencephalography Characteristics for Parkinson's Disease: A Systematic Review. <i>Journal of Parkinson's Disease</i> , 2020, 10, 455-470.	2.8	15
31	Nutrition-dependent influence of peripheral electrical stimulation during brain development on cortical spreading depression in weaned rats. <i>Nutritional Neuroscience</i> , 2007, 10, 187-194.	3.1	14
32	Feasibility and preliminary efficacy of a combined virtual reality, robotics and electrical stimulation intervention in upper extremity stroke rehabilitation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 61.	4.6	12
33	Evidence of the Homeostatic Regulation With the Combination of Transcranial Direct Current Stimulation and Physical Activity. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2018, 97, 727-733.	1.4	9
34	Does trans-spinal direct current stimulation modulate the Hoffmann reflexes of healthy individuals? A systematic review and meta-analysis. <i>Spinal Cord</i> , 2018, 56, 1022-1031.	1.9	7
35	Interhemispheric asymmetry of the motor cortex excitability in stroke: relationship with sensory-motor impairment and injury chronicity. <i>Neurological Sciences</i> , 2020, 41, 2591-2598.	1.9	7
36	Intrahemispheric EEG: A New Perspective for Quantitative EEG Assessment in Poststroke Individuals. <i>Neural Plasticity</i> , 2021, 2021, 1-8.	2.2	7

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37	Use of Virtual Rehabilitation to Improve the Symmetry of Body Temperature, Balance, and Functionality of Patients with Stroke Sequelae. <i>Annals of Neurosciences</i> , 2018, 25, 166-173.	1.7	6
38	Somatosensory Cortex Repetitive Transcranial Magnetic Stimulation and Associative Sensory Stimulation of Peripheral Nerves Could Assist Motor and Sensory Recovery After Stroke. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 860965.	2.0	5
39	Favorable and unfavorable lactation modulates the effects of electrical stimulation on brain excitability: A spreading depression study in adult rats. <i>Life Sciences</i> , 2012, 91, 306-311.	4.3	4
40	Upper extremity intervention for stroke combining virtual reality, robotics and electrical stimulation. , 2019, . .		4
41	Baseline Motor Impairment Predicts Transcranial Direct Current Stimulation Combined with Physical Therapy-Induced Improvement in Individuals with Chronic Stroke. <i>Neural Plasticity</i> , 2020, 2020, 1-8.	2.2	4
42	Transcranial direct current stimulation effects on cognitive reappraisal: An unexpected result?. <i>Brain Stimulation</i> , 2020, 13, 650-652.	1.6	4
43	Effects of transcranial direct current stimulation on motor learning in healthy individuals: a systematic review. <i>Fisioterapia Em Movimento</i> , 2015, 28, 159-167.	0.1	2
44	Independent community walking after a short protocol of repetitive transcranial magnetic stimulation associated with body weight-support treadmill training in a patient with chronic spinal cord injury: a case report. <i>Physiotherapy Theory and Practice</i> , 2022, 38, 839-845.	1.3	2
45	Non-invasive brain stimulation and kinesiotherapy for treatment of focal dystonia: Instrumental analysis of three cases. <i>Journal of Clinical Neuroscience</i> , 2020, 76, 208-210.	1.5	2
46	Could cathodal transcranial direct current stimulation modulate the power spectral density of alpha-band in migrainous occipital lobe?. <i>Neuroscience Letters</i> , 2021, 742, 135539.	2.1	2
47	Oxygen uptake efficiency slope: A submaximal test evaluation tool that provides cardiopulmonary reserve data in individuals with Parkinson's disease. <i>Brazilian Journal of Physical Therapy</i> , 2021, 25, 641-647.	2.5	2
48	Repetitive transcranial magnetic stimulation on the modulation of cortical and spinal cord excitability in individuals with spinal cord injury. <i>Restorative Neurology and Neuroscience</i> , 2021, 39, 291-301.	0.7	2
49	Intensity-dependent effects of cycling exercise on corticospinal excitability in healthy humans: a pilot study. <i>Motriz Revista De Educacao Fisica</i> , 2017, 23, .	0.2	1
50	Deaf individuals who work with computers present a high level of visual attention. <i>Dementia E Neuropsychologia</i> , 2011, 5, 123-128.	0.8	0
51	Applicability of a motor rehabilitation system in stroke victims. <i>Fisioterapia Em Movimento</i> , 2016, 29, 723-730.	0.1	0