

Traian Popa

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,027
citations

185998

28
h-index

174990

52
g-index

64
all docs

64
docs citations

64
times ranked

3912
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus Paper: Towards a Systems-Level View of Cerebellar Function: the Interplay Between Cerebellum, Basal Ganglia, and Cortex. <i>Cerebellum</i> , 2017, 16, 203-229.	1.4	321
2	Current Opinions and Areas of Consensus on the Role of the Cerebellum in Dystonia. <i>Cerebellum</i> , 2017, 16, 577-594.	1.4	184
3	Changes in coordination of postural control during dynamic stance in chronic low back pain patients. <i>Gait and Posture</i> , 2006, 24, 349-355.	0.6	181
4	Wearable technology in stroke rehabilitation: towards improved diagnosis and treatment of upper-limb motor impairment. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 142.	2.4	145
5	Transcranial magnetic stimulation of the brain: What is stimulated? â€œ A consensus and critical position paper. <i>Clinical Neurophysiology</i> , 2022, 140, 59-97.	0.7	124
6	Consensus Paper: Experimental Neurostimulation of the Cerebellum. <i>Cerebellum</i> , 2019, 18, 1064-1097.	1.4	120
7	Cerebellar rTMS stimulation may induce prolonged clinical benefits in essential tremor, and subjacent changes in functional connectivity: An open label trial. <i>Brain Stimulation</i> , 2013, 6, 175-179.	0.7	113
8	Cerebellar Processing of Sensory Inputs Primes Motor Cortex Plasticity. <i>Cerebral Cortex</i> , 2013, 23, 305-314.	1.6	113
9	Long-lasting inhibition of cerebellar output. <i>Brain Stimulation</i> , 2010, 3, 161-169.	0.7	106
10	Early, severe and bilateral loss of LTP and LTD-like plasticity in motor cortex (M1) in de novo Parkinsonâ€™s disease. <i>Clinical Neurophysiology</i> , 2012, 123, 822-828.	0.7	100
11	Defective cerebellar control of cortical plasticity in writerâ€™s cramp. <i>Brain</i> , 2013, 136, 2050-2062.	3.7	94
12	Adaptive changes in postural strategy selection in chronic low back pain. <i>Experimental Brain Research</i> , 2007, 177, 411-418.	0.7	90
13	Disruption in cerebellar and basal ganglia networks during a visuospatial task in cervical dystonia. <i>Movement Disorders</i> , 2017, 32, 757-768.	2.2	88
14	Intrinsic signature of essential tremor in the cerebello-frontal network. <i>Brain</i> , 2015, 138, 2920-2933.	3.7	87
15	Acute dopamine boost has a negative effect on plasticity of the primary motor cortex in advanced Parkinson's disease. <i>Brain</i> , 2012, 135, 2074-2088.	3.7	76
16	Congenital mirror movements: a clue to understanding bimanual motor control. <i>Journal of Neurology</i> , 2011, 258, 1911-1919.	1.8	67
17	Cerebellar Sensory Processing Alterations Impact Motor Cortical Plasticity in Parkinson's Disease: Clues from Dyskinetic Patients. <i>Cerebral Cortex</i> , 2014, 24, 2055-2067.	1.6	66
18	Cortico-motoneuronal output to intrinsic hand muscles is differentially influenced by static changes in shoulder positions. <i>Experimental Brain Research</i> , 2005, 164, 500-504.	0.7	65

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19	Cortisol-induced effects on human cortical excitability. <i>Brain Stimulation</i> , 2010, 3, 131-139.	0.7	65
20	RAD51 deficiency disrupts the corticospinal lateralization of motor control. <i>Brain</i> , 2013, 136, 3333-3346.	3.7	63
21	Brain dynamic neurochemical changes in dystonic patients: A magnetic resonance spectroscopy study. <i>Movement Disorders</i> , 2013, 28, 201-209.	2.2	56
22	The reliability of commonly used electrophysiology measures. <i>Brain Stimulation</i> , 2017, 10, 1102-1111.	0.7	53
23	Orthostatic tremor: a cerebellar pathology?. <i>Brain</i> , 2016, 139, 2182-2197.	3.7	49
24	Repetitive Transcranial Magnetic Stimulation to Supplementary Motor Area in Refractory Obsessive-Compulsive Disorder Treatment: a Sham-Controlled Trial. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyw025.	1.0	48
25	The supplementary motor area modulates interhemispheric interactions during movement preparation. <i>Human Brain Mapping</i> , 2019, 40, 2125-2142.	1.9	44
26	Cerebellum in Levodopa-Induced Dyskinesias: The Unusual Suspect in the Motor Network. <i>Frontiers in Neurology</i> , 2014, 5, 157.	1.1	42
27	The Neurophysiological Features of Myoclonus-Dystonia and Differentiation From Other Dystonias. <i>JAMA Neurology</i> , 2014, 71, 612.	4.5	40
28	Cerebellar Influence on Motor Cortex Plasticity: Behavioral Implications for Parkinson's Disease. <i>Frontiers in Neurology</i> , 2014, 5, 68.	1.1	38
29	Electroencephalographic spectral power in writer's cramp patients: Evidence for motor cortex malfunctioning during the cramp. <i>NeuroImage</i> , 2005, 27, 706-714.	2.1	28
30	Abnormal cerebellar processing of the neck proprioceptive information drives dysfunctions in cervical dystonia. <i>Scientific Reports</i> , 2018, 8, 2263.	1.6	28
31	Cerebellar brain inhibition in the target and surround muscles during voluntary tonic activation. <i>European Journal of Neuroscience</i> , 2016, 43, 1075-1081.	1.2	27
32	Intracortical Inhibition and Surround Inhibition in the Motor Cortex: A TMS-EEG Study. <i>Frontiers in Neuroscience</i> , 2019, 13, 612.	1.4	25
33	Age-related decline in the responsiveness of motor cortex to plastic forces reverses with levodopa or cerebellar stimulation. <i>Neurobiology of Aging</i> , 2014, 35, 2541-2551.	1.5	24
34	Cortical plasticity and levodopa-induced dyskinesias in Parkinson's disease: Connecting the dots in a multicomponent network. <i>Clinical Neurophysiology</i> , 2017, 128, 992-999.	0.7	23
35	Factors influencing the relation between corticospinal output and muscle force during voluntary contractions. <i>European Journal of Neuroscience</i> , 2007, 25, 3469-3475.	1.2	22
36	Relation between isometric muscle force and surface EMG in intrinsic hand muscles as function of the arm geometry. <i>Brain Research</i> , 2007, 1163, 79-85.	1.1	21

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37	The role of the inferior parietal lobule in writer’s cramp. <i>Brain</i> , 2020, 143, 1766-1779.	3.7	21
38	Tuning Eye-Gaze Perception by Transitory STS Inhibition. <i>Cerebral Cortex</i> , 2016, 26, 2823-2831.	1.6	19
39	The effect of frontoparietal paired associative stimulation on decision-making and working memory. <i>Cortex</i> , 2019, 117, 266-276.	1.1	19
40	Motor cortex plasticity can indicate vulnerability to motor fluctuation and high L-DOPA need in drug-naïve Parkinson’s disease. <i>Parkinsonism and Related Disorders</i> , 2017, 35, 55-62.	1.1	15
41	Cerebello-cortical Control of Tremor Rhythm and Amplitude in Parkinson’s Disease. <i>Movement Disorders</i> , 2021, 36, 1727-1729.	2.2	15
42	Autism, social cognition and superior temporal sulcus. <i>Open Journal of Psychiatry</i> , 2013, 03, 46-55.	0.2	14
43	Effects of posture-related changes in motor cortical output on central oscillatory activity of pathological origin in humans. <i>Brain Research</i> , 2008, 1223, 65-72.	1.1	11
44	Taking the brakes off the learning curve. <i>Human Brain Mapping</i> , 2017, 38, 1676-1691.	1.9	11
45	Modulation of Resting Connectivity Between the Mesial Frontal Cortex and Basal Ganglia. <i>Frontiers in Neurology</i> , 2019, 10, 587.	1.1	11
46	Cortico-muscular coupling in a patient with postural myoclonus. <i>Neuroscience Letters</i> , 2004, 366, 259-263.	1.0	8
47	Dynamic changes in cortical and spinal activities with different representations of isometric motor actions and efforts. <i>Brain Stimulation</i> , 2008, 1, 33-43.	0.7	8
48	Feasibility of home-based, self-applied transcranial direct current stimulation to enhance motor learning in middle-aged and older adults. <i>Brain Stimulation</i> , 2020, 13, 247-249.	0.7	7
49	Anticipatory control of impending postural perturbation in elite springboard divers. <i>European Journal of Applied Physiology</i> , 2008, 104, 1007-1011.	1.2	6
50	Reply: A single session of cerebellar theta burst stimulation does not alter writing performance in writer’s cramp. <i>Brain</i> , 2015, 138, e356-e356.	3.7	5
51	Dissociable roles of preSMA in motor sequence chunking and hand switching—a TMS study. <i>Journal of Neurophysiology</i> , 2016, 116, 2637-2646.	0.9	5
52	Severity of Writer’s Cramp is Related to Faulty Motor Preparation. <i>Cerebral Cortex</i> , 2018, 28, 3564-3577.	1.6	3
53	Parietal conditioning enhances motor surround inhibition. <i>Brain Stimulation</i> , 2020, 13, 447-449.	0.7	3
54	Low-frequency transcranial magnetic stimulation of the mesio-frontal cortex modulates its connectivity with basal ganglia. <i>Brain Stimulation</i> , 2017, 10, 488.	0.7	1

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55	Replicable effect of cortical-paired associative stimulation on response inhibition as a function of age. <i>Brain Stimulation</i> , 2021, 14, 788-789.	0.7	1
56	Plastic responsiveness of motor cortex to paired associative stimulation depends on cerebellar input. <i>Clinical Neurophysiology</i> , 2021, 132, 2493-2502.	0.7	1
57	Depotentialization of associative plasticity is intact in Parkinson's disease with mild dyskinesia. <i>Parkinsonism and Related Disorders</i> , 2022, 99, 16-22.	1.1	1
58	Reply: Congenital mirror movements: lack of decussation of pyramids Mirror movement: from physiopathology to treatment perspectives. <i>Brain</i> , 2014, 137, e293-e293.	3.7	0