John Cirillo

List of Publications by Year in descending order

34 papers	1,135 citations	566801 15 h-index	414034 32 g-index
34 all docs	34 docs citations	34 times ranked	1159 citing authors

#	Article	IF	Citations
1	Motor cortex plasticity induced by paired associative stimulation is enhanced in physically active individuals. Journal of Physiology, 2009, 587, 5831-5842.	1.3	156
2	Corticomotor plasticity and learning of a ballistic thumb training task are diminished in older adults. Journal of Applied Physiology, 2009, 107, 1874-1883.	1.2	152
3	Corticomotor excitability and plasticity following complex visuomotor training in young and old adults. European Journal of Neuroscience, 2011, 34, 1847-1856.	1.2	99
4	Differential modulation of motor cortex excitability in BDNF Met allele carriers following experimentally induced and useâ€dependent plasticity. European Journal of Neuroscience, 2012, 36, 2640-2649.	1.2	75
5	Hemispheric differences in use-dependent corticomotor plasticity in young and old adults. Experimental Brain Research, 2010, 205, 57-68.	0.7	73
6	GABA and primary motor cortex inhibition in young and older adults: a multimodal reliability study. Journal of Neurophysiology, 2017, 118, 425-433.	0.9	62
7	Acute aerobic exercise modulates primary motor cortex inhibition. Experimental Brain Research, 2016, 234, 3669-3676.	0.7	55
8	Impaired Organization of Paired-Pulse TMS-Induced I-Waves After Human Spinal Cord Injury. Cerebral Cortex, 2016, 26, 2167-2177.	1.6	52
9	Low-frequency fatigue and neuromuscular performance after exercise-induced damage to elbow flexor muscles. Journal of Applied Physiology, 2008, 105, 1146-1155.	1.2	43
10	Threshold tracking primary motor cortex inhibition: the influence of current direction. European Journal of Neuroscience, 2016, 44, 2614-2621.	1.2	38
11	Ageâ€related changes in late Iâ€waves influence motor cortex plasticity induction in older adults. Journal of Physiology, 2018, 596, 2597-2609.	1.3	37
12	Response inhibition activates distinct motor cortical inhibitory processes. Journal of Neurophysiology, 2018, 119, 877-886.	0.9	35
13	Proactive modulation of long-interval intracortical inhibition during response inhibition. Journal of Neurophysiology, 2016, 116, 859-867.	0.9	33
14	Subcortical contribution to late TMS-induced I-waves in intact humans. Frontiers in Integrative Neuroscience, 2015, 9, 38.	1.0	32
15	Neurophysiological mechanisms underlying motor skill learning in young and older adults. Experimental Brain Research, 2019, 237, 2331-2344.	0.7	27
16	Conventional or threshold-hunting TMS? A tale of two SICIs. Brain Stimulation, 2018, 11, 1296-1305.	0.7	22
17	Stopping Interference in Response Inhibition: Behavioral and Neural Signatures of Selective Stopping. Journal of Neuroscience, 2022, 42, 156-165.	1.7	17
18	The Influence of Primary Motor Cortex Inhibition on Upper Limb Impairment and Function in Chronic Stroke: A Multimodal Study. Neurorehabilitation and Neural Repair, 2019, 33, 130-140.	1.4	16

#	Article	IF	Citations
19	Neurochemical balance and inhibition at the subacute stage after stroke. Journal of Neurophysiology, 2020, 123, 1775-1790.	0.9	16
20	Between-hand coupling during response inhibition. Journal of Neurophysiology, 2019, 122, 1357-1366.	0.9	14
21	Neurophysiology of motor skill learning in chronic stroke. Clinical Neurophysiology, 2020, 131, 791-798.	0.7	10
22	Primary motor cortex function and motor skill acquisition: insights from threshold-hunting TMS. Experimental Brain Research, 2020, 238, 1745-1757.	0.7	10
23	The impact of physical activity on motor preparation in young adults. Neuroscience Letters, 2017, 638, 196-203.	1.0	9
24	Adaptive threshold hunting reveals differences in interhemispheric inhibition between young and older adults. European Journal of Neuroscience, 2018, 48, 2247-2258.	1.2	9
25	Can motor imagery and hypnotic susceptibility explain Conversion Disorder with motor symptoms?. Neuropsychologia, 2016, 89, 287-298.	0.7	8
26	Decoupling countermands nonselective response inhibition during selective stopping. Journal of Neurophysiology, 2022, 127, 188-203.	0.9	8
27	Physical activity, motor performance and skill learning: a focus on primary motor cortex in healthy aging. Experimental Brain Research, 2021, 239, 3431-3438.	0.7	7
28	Sequencing human ribs into anatomical order by quantitative multivariate methods. HOMO- Journal of Comparative Human Biology, 2012, 63, 182-201.	0.3	5
29	Adaptive threshold hunting for the effects of transcranial direct current stimulation on primary motor cortex inhibition. Experimental Brain Research, 2018, 236, 1651-1663.	0.7	5
30	Does hypnotic susceptibility influence information processing speed and motor cortical preparatory activity?. Neuropsychologia, 2019, 129, 179-190.	0.7	5
31	Somatosensory and transcranial direct current stimulation effects on manual dexterity and motor cortex function: A metaplasticity study. Brain Stimulation, 2019, 12, 938-947.	0.7	4
32	Commentary: Preconditioning tDCS facilitates subsequent tDCS effect on skill acquisition in older adults. Frontiers in Aging Neuroscience, 2017, 9, 84.	1.7	1
33	Exercise can help rewire the brain: neuroplasticity and motor cortex function in physically active individuals. , 2011, , 26-28.		0
34	Abstract 69: The Influence of Motor Cortex Inhibition on Upper Limb Recovery: A Multimodal Study. Stroke, 2019, 50, .	1.0	0