

Michele Dileone

List of Publications by Year in descending order

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96
papers

6,954
citations

66343

42
h-index

60623

81
g-index

96
all docs

96
docs citations

96
times ranked

6145
citing authors

#	ARTICLE	IF	CITATIONS
1	The physiological basis of transcranial motor cortex stimulation in conscious humans. <i>Clinical Neurophysiology</i> , 2004, 115, 255-266.	1.5	485
2	Theta-burst repetitive transcranial magnetic stimulation suppresses specific excitatory circuits in the human motor cortex. <i>Journal of Physiology</i> , 2005, 565, 945-950.	2.9	327
3	Modulation of motor cortex neuronal networks by rTMS: comparison of local and remote effects of six different protocols of stimulation. <i>Journal of Neurophysiology</i> , 2011, 105, 2150-2156.	1.8	290
4	I-wave origin and modulation. <i>Brain Stimulation</i> , 2012, 5, 512-525.	1.6	276
5	The physiological basis of the effects of intermittent theta burst stimulation of the human motor cortex. <i>Journal of Physiology</i> , 2008, 586, 3871-3879.	2.9	267
6	Effects of aging on motor cortex excitability. <i>Neuroscience Research</i> , 2006, 55, 74-77.	1.9	247
7	Motor cortex hyperexcitability to transcranial magnetic stimulation in Alzheimer's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004, 75, 555-559.	1.9	216
8	Ketamine Increases Human Motor Cortex Excitability to Transcranial Magnetic Stimulation. <i>Journal of Physiology</i> , 2003, 547, 485-496.	2.9	208
9	Segregating two inhibitory circuits in human motor cortex at the level of GABAA receptor subtypes: A TMS study. <i>Clinical Neurophysiology</i> , 2007, 118, 2207-2214.	1.5	200
10	Effects of lorazepam on short latency afferent inhibition and short latency intracortical inhibition in humans. <i>Journal of Physiology</i> , 2005, 564, 661-668.	2.9	196
11	GABA receptor subtype specific enhancement of inhibition in human motor cortex. <i>Journal of Physiology</i> , 2006, 575, 721-726.	2.9	185
12	Modulation of LTP at rat hippocampal CA3-CA1 synapses by direct current stimulation. <i>Journal of Neurophysiology</i> , 2012, 107, 1868-1880.	1.8	183
13	Origin of Facilitation of Motor-Evoked Potentials After Paired Magnetic Stimulation: Direct Recording of Epidural Activity in Conscious Humans. <i>Journal of Neurophysiology</i> , 2006, 96, 1765-1771.	1.8	181
14	Compensatory mechanisms in Parkinson's disease: Circuits adaptations and role in disease modification. <i>Experimental Neurology</i> , 2017, 298, 148-161.	4.1	175
15	Focused ultrasound subthalamotomy in patients with asymmetric Parkinson's disease: a pilot study. <i>Lancet Neurology</i> , The, 2018, 17, 54-63.	10.2	163
16	Dissociated effects of diazepam and lorazepam on short latency afferent inhibition. <i>Journal of Physiology</i> , 2005, 569, 315-323.	2.9	162
17	Neurophysiological predictors of long term response to AChE inhibitors in AD patients. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005, 76, 1064-1069.	1.9	160
18	Motor Cortex Plasticity Predicts Recovery in Acute Stroke. <i>Cerebral Cortex</i> , 2010, 20, 1523-1528.	2.9	141

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19	Theta Burst Stimulation in the Rehabilitation of the Upper Limb. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 976-987.	2.9	120
20	Short-term reduction of intracortical inhibition in the human motor cortex induced by repetitive transcranial magnetic stimulation. <i>Experimental Brain Research</i> , 2002, 147, 108-113.	1.5	119
21	In vivo cholinergic circuit evaluation in frontotemporal and Alzheimer dementias. <i>Neurology</i> , 2006, 66, 1111-1113.	1.1	116
22	The effects of motor cortex rTMS on corticospinal descending activity. <i>Clinical Neurophysiology</i> , 2010, 121, 464-473.	1.5	115
23	Modulating cortical excitability in acute stroke: A repetitive TMS study. <i>Clinical Neurophysiology</i> , 2008, 119, 715-723.	1.5	104
24	Direct demonstration of the effects of repetitive transcranial magnetic stimulation on the excitability of the human motor cortex. <i>Experimental Brain Research</i> , 2002, 144, 549-553.	1.5	98
25	Immediate and Late Modulation of Interhemispheric Imbalance With Bilateral Transcranial Direct Current Stimulation in Acute Stroke. <i>Brain Stimulation</i> , 2014, 7, 841-848.	1.6	96
26	Oscillatory activity in the pedunculopontine area of patients with Parkinson's disease. <i>Experimental Neurology</i> , 2008, 211, 59-66.	4.1	93
27	Functional evaluation of cerebral cortex in dementia with Lewy bodies. <i>NeuroImage</i> , 2007, 37, 422-429.	4.2	90
28	Effects of vagus nerve stimulation on cortical excitability in epileptic patients. <i>Neurology</i> , 2004, 62, 2310-2312.	1.1	74
29	SPINAL CORD STIMULATION FAILED TO RELIEVE AKINESIA OR RESTORE LOCOMOTION IN PARKINSON DISEASE. <i>Neurology</i> , 2010, 74, 1325-1327.	1.1	73
30	The effects of prolonged cathodal direct current stimulation on the excitatory and inhibitory circuits of the ipsilateral and contralateral motor cortex. <i>Journal of Neural Transmission</i> , 2012, 119, 1499-1506.	2.8	71
31	In vivo functional evaluation of central cholinergic circuits in vascular dementia. <i>Clinical Neurophysiology</i> , 2008, 119, 2494-2500.	1.5	68
32	Suppression of beta oscillations in the subthalamic nucleus following cortical stimulation in humans. <i>European Journal of Neuroscience</i> , 2008, 28, 1686-1695.	2.6	64
33	Associative Motor Cortex Plasticity: Direct Evidence in Humans. <i>Cerebral Cortex</i> , 2009, 19, 2326-2330.	2.9	63
34	Transcranial magnetic stimulation and BDNF plasma levels in amyotrophic lateral sclerosis. <i>NeuroReport</i> , 2004, 15, 717-720.	1.2	62
35	Does exposure to extremely low frequency magnetic fields produce functional changes in human brain?. <i>Journal of Neural Transmission</i> , 2009, 116, 257-265.	2.8	60
36	Low-frequency repetitive transcranial magnetic stimulation suppresses specific excitatory circuits in the human motor cortex. <i>Journal of Physiology</i> , 2008, 586, 4481-4487.	2.9	59

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37	LTD-like plasticity induced by paired associative stimulation: direct evidence in humans. <i>Experimental Brain Research</i> , 2009, 194, 661-664.	1.5	53
38	Transcranial direct current stimulation effects on I-wave activity in humans. <i>Journal of Neurophysiology</i> , 2011, 105, 2802-2810.	1.8	53
39	Long-lasting effects of transcranial static magnetic field stimulation on motor cortex excitability. <i>Brain Stimulation</i> , 2018, 11, 676-688.	1.6	52
40	Functional involvement of cerebral cortex in adult sleepwalking. <i>Journal of Neurology</i> , 2007, 254, 1066-1072.	3.6	48
41	Direct demonstration of reduction of the output of the human motor cortex induced by a fatiguing muscle contraction. <i>Experimental Brain Research</i> , 2003, 149, 535-538.	1.5	47
42	Cortical disinhibition in Parkinson's disease. <i>Brain</i> , 2020, 143, 3408-3421.	7.6	47
43	Inhibitory theta burst stimulation of affected hemisphere in chronic stroke: A proof of principle, sham-controlled study. <i>Neuroscience Letters</i> , 2013, 553, 148-152.	2.1	44
44	Repetitive transcranial magnetic stimulation for ALS. <i>Neuroscience Letters</i> , 2006, 408, 135-140.	2.1	43
45	Direct demonstration of the effects of repetitive paired-pulse transcranial magnetic stimulation at I-wave periodicity. <i>Clinical Neurophysiology</i> , 2007, 118, 1193-1197.	1.5	43
46	Comparison of descending volleys evoked by transcranial and epidural motor cortex stimulation in a conscious patient with bulbar pain. <i>Clinical Neurophysiology</i> , 2004, 115, 834-838.	1.5	41
47	The Level of Cortical Afferent Inhibition in Acute Stroke Correlates With Long-Term Functional Recovery in Humans. <i>Stroke</i> , 2012, 43, 250-252.	2.0	41
48	Motor cortex hyperexcitability to transcranial magnetic stimulation in Alzheimer's disease: Evidence of impaired glutamatergic neurotransmission?. <i>Annals of Neurology</i> , 2003, 53, 824-824.	5.3	39
49	Motor cortex stimulation for amyotrophic lateral sclerosis. Time for a therapeutic trial?. <i>Clinical Neurophysiology</i> , 2004, 115, 1479-1485.	1.5	38
50	Direct Demonstration That Repetitive Transcranial Magnetic Stimulation Can Enhance Corticospinal Excitability in Stroke. <i>Stroke</i> , 2006, 37, 2850-2853.	2.0	38
51	BDNF plasma levels in acute stroke. <i>Neuroscience Letters</i> , 2007, 422, 128-130.	2.1	38
52	Role of motor evoked potentials in diagnosis of cauda equina and lumbosacral cord lesions. <i>Neurology</i> , 2004, 63, 2266-2271.	1.1	37
53	Directional local field potential recordings for symptom-specific optimization of deep brain stimulation. <i>Movement Disorders</i> , 2017, 32, 626-628.	3.9	34
54	Motor cortex stimulation for ALS: A double blind placebo-controlled study. <i>Neuroscience Letters</i> , 2009, 464, 18-21.	2.1	33

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55	Functional involvement of cerebral cortex in human narcolepsy. <i>Journal of Neurology</i> , 2005, 252, 56-61.	3.6	32
56	Standardizing the intensity of upper limb treatment in rehabilitation medicine. <i>Clinical Rehabilitation</i> , 2010, 24, 471-478.	2.2	31
57	Unaffected motor cortex remodeling after hemispherectomy in an epileptic cerebral palsy patient. A TMS and fMRI study. <i>Epilepsy Research</i> , 2009, 85, 243-251.	1.6	28
58	Enhanced human brain associative plasticity in Costello syndrome. <i>Journal of Physiology</i> , 2010, 588, 3445-3456.	2.9	27
59	Normal or enhanced short-latency afferent inhibition in Parkinson's disease?. <i>Brain</i> , 2004, 127, e8-e8.	7.6	26
60	Microstructural changes of the dentato-rubro-thalamic tract after transcranial MR guided focused ultrasound ablation of the posteroventral VIM in essential tremor. <i>Human Brain Mapping</i> , 2019, 40, 2933-2942.	3.6	26
61	Fatigue in Multiple Sclerosis: General and Perceived Fatigue Does Not Depend on Corticospinal Tract Dysfunction. <i>Frontiers in Neurology</i> , 2019, 10, 339.	2.4	25
62	Changes in motor cortex excitability in facioscapulohumeral muscular dystrophy. <i>Neuromuscular Disorders</i> , 2004, 14, 39-45.	0.6	24
63	Static magnetic field stimulation of the supplementary motor area modulates resting-state activity and motor behavior. <i>Communications Biology</i> , 2019, 2, 397.	4.4	24
64	Direct recording of the output of the motor cortex produced by transcranial magnetic stimulation in a patient with cerebral cortex atrophy. <i>Clinical Neurophysiology</i> , 2004, 115, 112-115.	1.5	21
65	Heterozygous SOD1 D90A mutation presenting as slowly progressive predominant upper motor neuron amyotrophic lateral sclerosis. <i>Neurological Sciences</i> , 2009, 30, 517-520.	1.9	21
66	Repetitive Transcranial Magnetic Stimulation for ALS. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010, 9, 331-334.	1.4	21
67	Reduced cerebral cortex inhibition in dystonia: Direct evidence in humans. <i>Clinical Neurophysiology</i> , 2009, 120, 834-839.	1.5	20
68	Long-term motor cortex stimulation for amyotrophic lateral sclerosis. <i>Brain Stimulation</i> , 2010, 3, 22-27.	1.6	20
69	Dopamine-dependent changes of cortical excitability induced by transcranial static magnetic field stimulation in Parkinson's disease. <i>Scientific Reports</i> , 2017, 7, 4329.	3.3	19
70	Functional involvement of central nervous system in acute exacerbation of chronic obstructive pulmonary disease. <i>Journal of Neurology</i> , 2002, 249, 1232-1236.	3.6	18
71	Chapter 10 Trigemino-cervical reflexes: clinical applications and neuroradiological correlations. <i>Supplements To Clinical Neurophysiology</i> , 2006, 58, 110-119.	2.1	16
72	Repetitive transcranial magnetic stimulation of the motor cortex for hemichorea. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2006, 77, 1095-1097.	1.9	16

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73	Effects of transcranial direct current stimulation on temperature and pain perception. <i>Scientific Reports</i> , 2017, 7, 2946.	3.3	13
74	SOD1 G93D mutation presenting as paucisymptomatic amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2009, 10, 479-482.	2.1	12
75	Dystonia in Costello syndrome. <i>Parkinsonism and Related Disorders</i> , 2012, 18, 798-800.	2.2	12
76	Differential Effects of HRAS Mutation on LTP-Like Activity Induced by Different Protocols of Repetitive Transcranial Magnetic Stimulation. <i>Brain Stimulation</i> , 2016, 9, 33-38.	1.6	11
77	Effects of patterned peripheral nerve stimulation on soleus spinal motor neuron excitability. <i>PLoS ONE</i> , 2018, 13, e0192471.	2.5	11
78	Use of transcranial magnetic stimulation of the brain in stroke rehabilitation. <i>Expert Review of Neurotherapeutics</i> , 2007, 7, 249-258.	2.8	10
79	Chapter 12 Generation of I waves in the human: spinal recordings. <i>Supplements To Clinical Neurophysiology</i> , 2003, 56, 143-152.	2.1	9
80	Motor Cortex Stimulation for ALS: Open Label Extension Study of a Previous Small Trial. <i>Brain Stimulation</i> , 2014, 7, 143-144.	1.6	9
81	Radicular myoclonus induced by repetitive neck movements in a patient with cervical spondylosis. <i>Neurology</i> , 2004, 63, 2190-2191.	1.1	8
82	Direct Current Motor Cortex Stimulation for Amyotrophic Lateral Sclerosis: A Proof of Principle Study. <i>Brain Stimulation</i> , 2013, 6, 969-970.	1.6	8
83	Extradural Arachnoid Cyst With Lumbosacral Cord and Root Compression in Marfan Syndrome. <i>Archives of Neurology</i> , 2007, 64, 284.	4.5	7
84	Neurophysiological evaluation of the pedunculopontine nucleus in humans. <i>Journal of Neural Transmission</i> , 2011, 118, 1423-1429.	2.8	7
85	No modulatory effects by tSMS when delivered during a cognitive task. <i>Brain Stimulation</i> , 2017, 10, 867.	1.6	7
86	Home-based transcranial static magnetic field stimulation of the motor cortex for treating levodopa-induced dyskinesias in Parkinson's disease: A randomized controlled trial. <i>Brain Stimulation</i> , 2022, 15, 857-860.	1.6	7
87	An unusual cause of dysphagia and dysphonia. <i>Neurology</i> , 2005, 64, 922-922.	1.1	6
88	<i>BDNF</i> polymorphism and interhemispheric balance of motor cortex excitability: a preliminary study. <i>Journal of Neurophysiology</i> , 2022, 127, 204-212.	1.8	6
89	Objective tests for upper motor neuron involvement in amyotrophic lateral sclerosis (ALS). <i>Neurology</i> , 2004, 63, 1988-1988.	1.1	4
90	Delayed hypothermia in malignant ischaemic stroke. <i>Neurological Sciences</i> , 2012, 33, 661-664.	1.9	4

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91	Reduction of disease progression in a patient with amyotrophic lateral sclerosis after several years of epidural motor cortex stimulation. <i>Brain Stimulation</i> , 2017, 10, 324-325.	1.6	4
92	Transcranial Non-Invasive Brain Stimulation in Parkinson's Disease Patients with Dyskinesias. Where is the Optimal Target?. <i>Cerebellum</i> , 2017, 16, 276-278.	2.5	3
93	Bilateral chorea-ballism after cardiac arrest. <i>Neurology</i> , 2005, 64, E20.	1.1	2
94	Significant influence of static magnetic field stimulation applied for 30 minutes over the human M1 on corticospinal excitability. <i>Brain Stimulation</i> , 2020, 13, 751-752.	1.6	2
95	TIA associated with over-the-counter cold preparation. <i>Acta Neurologica Scandinavica</i> , 2006, 114, 358-359.	2.1	1
96	Reply from Vincenzo Di Lazzaro, Fabio Pilato, Michele Dileone, Pietro A. Tonali and Ulf Ziemann. <i>Journal of Physiology</i> , 2005, 569, 710-710.	2.9	0