

# Lorenzo Rocchi

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

2,084  
citations

201674

27  
h-index

315739

38  
g-index

90  
all docs

90  
docs citations

90  
times ranked

1831  
citing authors

#	ARTICLE	IF	CITATIONS
1	Disentangling EEG responses to TMS due to cortical and peripheral activations. <i>Brain Stimulation</i> , 2021, 14, 4-18.	1.6	126
2	Theta-Burst Stimulation-Induced Plasticity over Primary Somatosensory Cortex Changes Somatosensory Temporal Discrimination in Healthy Humans. <i>PLoS ONE</i> , 2012, 7, e32979.	2.5	85
3	Somatosensory Temporal Discrimination Threshold Involves Inhibitory Mechanisms in the Primary Somatosensory Area. <i>Journal of Neuroscience</i> , 2016, 36, 325-335.	3.6	80
4	Neurophysiological correlates of abnormal somatosensory temporal discrimination in dystonia. <i>Movement Disorders</i> , 2017, 32, 141-148.	3.9	67
5	Variability and Predictors of Response to Continuous Theta Burst Stimulation: A TMS-EEG Study. <i>Frontiers in Neuroscience</i> , 2018, 12, 400.	2.8	64
6	Effects of pulse width, waveform and current direction in the cortex: A combined cTMS-EEG study. <i>Brain Stimulation</i> , 2018, 11, 1063-1070.	1.6	61
7	Effects of cerebellar theta-burst stimulation on arm and neck movement kinematics in patients with focal dystonia. <i>Clinical Neurophysiology</i> , 2016, 127, 3472-3479.	1.5	56
8	Primary somatosensory cortical plasticity and tactile temporal discrimination in focal hand dystonia. <i>Clinical Neurophysiology</i> , 2014, 125, 537-543.	1.5	53
9	Impaired eye blink classical conditioning distinguishes dystonic patients with and without tremor. <i>Parkinsonism and Related Disorders</i> , 2016, 31, 23-27.	2.2	52
10	The use of transcranial magnetic stimulation as a treatment for movement disorders: A critical review. <i>Movement Disorders</i> , 2019, 34, 769-782.	3.9	48
11	Evidence for interhemispheric imbalance in stroke patients as revealed by combining transcranial magnetic stimulation and electroencephalography. <i>Human Brain Mapping</i> , 2021, 42, 1343-1358.	3.6	46
12	High frequency somatosensory stimulation increases sensori-motor inhibition and leads to perceptual improvement in healthy subjects. <i>Clinical Neurophysiology</i> , 2017, 128, 1015-1025.	1.5	45
13	The interindividual variability of transcranial magnetic stimulation effects: Implications for diagnostic use in movement disorders. <i>Movement Disorders</i> , 2019, 34, 936-949.	3.9	44
14	High frequency somatosensory stimulation in dystonia: Evidence for defective inhibitory plasticity. <i>Movement Disorders</i> , 2018, 33, 1902-1909.	3.9	43
15	Novel TMS-EEG indexes to investigate interhemispheric dynamics in humans. <i>Clinical Neurophysiology</i> , 2020, 131, 70-77.	1.5	42
16	Qualitative smell/taste disorders as sequelae of acute COVID-19. <i>Neurological Sciences</i> , 2021, 42, 4921-4926.	1.9	42
17	Continuous Theta Burst Stimulation Over the Dorsolateral Prefrontal Cortex and the Pre-SMA Alter Drift Rate and Response Thresholds Respectively During Perceptual Decision-Making. <i>Brain Stimulation</i> , 2016, 9, 601-608.	1.6	40
18	Ten-Year Reflections on the Neurophysiological Abnormalities of Focal Dystonias in Humans. <i>Movement Disorders</i> , 2019, 34, 1616-1628.	3.9	39

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19	Cerebellar Continuous Theta Burst Stimulation in Essential Tremor. <i>Cerebellum</i> , 2015, 14, 133-141.	2.5	38
20	Unravelling the enigma of cortical tremor and other forms of cortical myoclonus. <i>Brain</i> , 2020, 143, 2653-2663.	7.6	38
21	Somatosensory temporal discrimination threshold may help to differentiate patients with multiple system atrophy from patients with <sc>P</sc>arkinson's disease. <i>European Journal of Neurology</i> , 2013, 20, 714-719.	3.3	35
22	Impaired automatic but intact volitional inhibition in primary tic disorders. <i>Brain</i> , 2020, 143, 906-919.	7.6	35
23	Cortical Paired Associative Stimulation Influences Response Inhibition: Cortico-cortical and Cortico-subcortical Networks. <i>Biological Psychiatry</i> , 2019, 85, 355-363.	1.3	34
24	Recent imaging advances in neurology. <i>Journal of Neurology</i> , 2015, 262, 2182-2194.	3.6	33
25	Cerebellar continuous thetaâ€burst stimulation affects motor learning of voluntary arm movements in humans. <i>European Journal of Neuroscience</i> , 2014, 39, 124-131.	2.6	32
26	Reversal of Practice-related Effects on Corticospinal Excitability has no Immediate Effect on Behavioral Outcome. <i>Brain Stimulation</i> , 2015, 8, 603-612.	1.6	31
27	Transcranial Evoked Potentials Can Be Reliably Recorded with Active Electrodes. <i>Brain Sciences</i> , 2021, 11, 145.	2.3	31
28	Early Visuomotor Integration Processes Induce LTP/LTD-Like Plasticity in the Human Motor Cortex. <i>Cerebral Cortex</i> , 2015, 25, 703-712.	2.9	30
29	Feeling of Ownership over an Embodied Avatar's Hand Brings About Fast Changes of Fronto-Parietal Cortical Dynamics. <i>Journal of Neuroscience</i> , 2022, 42, 692-701.	3.6	29
30	Does the cerebellum intervene in the abnormal somatosensory temporal discrimination in Parkinson's disease?. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 789-792.	2.2	26
31	Motor cortical excitability during voluntary inhibition of involuntary tic movements. <i>Movement Disorders</i> , 2018, 33, 1804-1809.	3.9	25
32	Delineating the electrophysiological signature of dystonia. <i>Experimental Brain Research</i> , 2020, 238, 1685-1692.	1.5	25
33	On the Use of TMS to Investigate the Pathophysiology of Neurodegenerative Diseases. <i>Frontiers in Neurology</i> , 2020, 11, 584664.	2.4	24
34	Controllable Pulse Parameter TMS and TMS-EEG As Novel Approaches to Improve Neural Targeting with rTMS in Human Cerebral Cortex. <i>Frontiers in Neural Circuits</i> , 2016, 10, 97.	2.8	23
35	Abnormal motor cortex excitability during linguistic tasks in adductorâ€type spasmodic dysphonia. <i>European Journal of Neuroscience</i> , 2015, 42, 2051-2060.	2.6	22
36	Attention-related changes in short-term cortical plasticity help to explain fatigue in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2016, 22, 1359-1366.	3.0	22

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37	Pulse width biases the balance of excitation and inhibition recruited by transcranial magnetic stimulation. <i>Brain Stimulation</i> , 2020, 13, 536-538.	1.6	22
38	High frequency repetitive sensory stimulation improves temporal discrimination in healthy subjects. <i>Clinical Neurophysiology</i> , 2016, 127, 817-820.	1.5	21
39	Probing the timing network: A continuous theta burst stimulation study of temporal categorization. <i>Neuroscience</i> , 2017, 356, 167-175.	2.3	20
40	Differential effects of motor skill acquisition on the primary motor and sensory cortices in healthy humans. <i>Journal of Physiology</i> , 2020, 598, 4031-4045.	2.9	20
41	Frequency-dependent modulation of cerebellar excitability during the application of non-invasive alternating current stimulation. <i>Brain Stimulation</i> , 2021, 14, 277-283.	1.6	20
42	Motor Cortical Network Excitability in Parkinson's Disease. <i>Movement Disorders</i> , 2022, 37, 734-744.	3.9	19
43	Molecular imaging of levodopa-induced dyskinesias. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 2107-2117.	5.4	18
44	Inferior Parietal Lobule Encodes Visual Temporal Resolution Processes Contributing to the Critical Flicker Frequency Threshold in Humans. <i>PLoS ONE</i> , 2014, 9, e98948.	2.5	18
45	Reappraisal of cortical myoclonus: A retrospective study of clinical neurophysiology. <i>Movement Disorders</i> , 2018, 33, 339-341.	3.9	17
46	Temporal Discrimination is Altered in Patients With Isolated Asymmetric and Jerky Upper Limb Tremor. <i>Movement Disorders</i> , 2020, 35, 306-315.	3.9	17
47	Influence of theta-burst transcranial magnetic stimulation over the dorsolateral prefrontal cortex on emotion processing in healthy volunteers. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2020, 20, 1278-1293.	2.0	17
48	Defective Somatosensory Inhibition and Plasticity Are Not Required to Develop Dystonia. <i>Movement Disorders</i> , 2021, 36, 1015-1021.	3.9	17
49	Does Olfactory Dysfunction Correlate with Disease Progression in Parkinson's Disease? A Systematic Review of the Current Literature. <i>Brain Sciences</i> , 2022, 12, 513.	2.3	17
50	Plasticity Induced in the Human Spinal Cord by Focal Muscle Vibration. <i>Frontiers in Neurology</i> , 2018, 9, 935.	2.4	16
51	Observing Without Acting: A Balance of Excitation and Suppression in the Human Corticospinal Pathway?. <i>Frontiers in Neuroscience</i> , 2018, 12, 347.	2.8	16
52	The Signature of Primary Writing Tremor Is Dystonic. <i>Movement Disorders</i> , 2021, 36, 1715-1720.	3.9	16
53	Two forms of short-interval intracortical inhibition in human motor cortex. <i>Brain Stimulation</i> , 2021, 14, 1340-1352.	1.6	16
54	Ropinirole, a dopamine agonist with high D3 affinity, reduces proactive inhibition: A double-blind, placebo-controlled study in healthy adults. <i>Neuropharmacology</i> , 2020, 179, 108278.	4.1	14

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55	Contribution of TMS and TMS-EEG to the Understanding of Mechanisms Underlying Physiological Brain Aging. <i>Brain Sciences</i> , 2021, 11, 405.	2.3	14
56	Cerebellar Theta-Burst Stimulation Impairs Memory Consolidation in Eyeblink Classical Conditioning. <i>Neural Plasticity</i> , 2018, 2018, 1-8.	2.2	13
57	Restless Legs Syndrome: Known Knowns and Known Unknowns. <i>Brain Sciences</i> , 2022, 12, 118.	2.3	13
58	Effect of donepezil on transcranial magnetic stimulation parameters in Alzheimer's disease. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2018, 4, 103-107.	3.7	12
59	A case of congenital hypoplasia of the left cerebellar hemisphere and ipsilateral cortical myoclonus. <i>Movement Disorders</i> , 2019, 34, 1745-1747.	3.9	12
60	Preconditioning Stimulus Intensity Alters Paired-Pulse TMS Evoked Potentials. <i>Brain Sciences</i> , 2021, 11, 326.	2.3	12
61	The Photoparoxysmal Response Reflects Abnormal Early Visuomotor Integration in the Human Motor Cortex. <i>Brain Stimulation</i> , 2015, 8, 1151-1161.	1.6	11
62	Reversal of Temporal Discrimination in Cervical Dystonia after Low-Frequency Sensory Stimulation. <i>Movement Disorders</i> , 2021, 36, 761-766.	3.9	11
63	Corticospinal excitability modulation by pairing peripheral nerve stimulation with cortical states of movement initiation. <i>Journal of Physiology</i> , 2021, 599, 2471-2482.	2.9	11
64	Cerebellar and brainstem functional abnormalities in patients with primary orthostatic tremor. <i>Movement Disorders</i> , 2018, 33, 1024-1025.	3.9	10
65	Pathophysiological heterogeneity in Parkinson's disease: Neurophysiological insights from LRRK2 mutations. <i>Movement Disorders</i> , 2017, 32, 1333-1335.	3.9	9
66	Somatosensory temporal discrimination threshold is impaired in patients with multiple sclerosis. <i>Clinical Neurophysiology</i> , 2016, 127, 1940-1941.	1.5	8
67	A Critical Investigation of Cerebellar Associative Learning in Isolated Dystonia. <i>Movement Disorders</i> , 2022, 37, 1187-1192.	3.9	8
68	Incidence of amyotrophic lateral sclerosis in Sardinia, Italy: age-sex interaction and spatial-temporal variability. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2022, 23, 585-591.	1.7	7
69	Voluntary Inhibitory Control of Chorea: A Case Series. <i>Movement Disorders Clinical Practice</i> , 2020, 7, 308-312.	1.5	6
70	Tremor in motor neuron disease may be central rather than peripheral in origin. <i>European Journal of Neurology</i> , 2019, 26, 394.	3.3	5
71	Proactive inhibition is marked by differences in the pattern of motor cortex activity during movement preparation and execution. <i>Journal of Neurophysiology</i> , 2022, 127, 819-828.	1.8	5
72	Stimulating the deprived motor "hand"™ area causes facial muscle responses in one-handers. <i>Brain Stimulation</i> , 2021, 14, 347-350.	1.6	4

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73	Standard intensities of transcranial alternating current stimulation over the motor cortex do not entrain corticospinal inputs to motor neurons. <i>Journal of Physiology</i> , 2023, 601, 3187-3199.	2.9	4
74	Visual cortex hyperexcitability contributes to the pathophysiology of the photoparoxysmal response. <i>Clinical Neurophysiology</i> , 2016, 127, 3351-3352.	1.5	3
75	Reply: "Reappraisal of cortical myoclonus: Electrophysiology is the gold standard". <i>Movement Disorders</i> , 2018, 33, 1191-1191.	3.9	2
76	Action Selection and Motor Decision Making: Insights from Transcranial Magnetic Stimulation. <i>Brain Sciences</i> , 2022, 12, 639.	2.3	2
77	F274. Paired Associative Stimulation Influences Response Inhibition: Cortico-Cortical and Cortico-Subcortical Networks. <i>Biological Psychiatry</i> , 2018, 83, S345-S346.	1.3	1
78	Reply: Pentameric repeat expansions: cortical myoclonus or cortical tremor? and Cortical tremor: a tantalizing conundrum between cortex and cerebellum. <i>Brain</i> , 2020, 143, e88-e88.	7.6	1
79	Happy faces selectively increase the excitability of cortical neurons innervating frowning muscles of the mouth. <i>Experimental Brain Research</i> , 2020, 238, 1043-1049.	1.5	1
80	Brainstem Reflexes in Idiopathic Cervical Dystonia: Does Medullary Dysfunction Play a Role?. <i>Movement Disorders Clinical Practice</i> , 2021, 8, 377-384.	1.5	1
81	The Expanding Horizon of Neural Stimulation for Hyperkinetic Movement Disorders. <i>Frontiers in Neurology</i> , 2021, 12, 669690.	2.4	1
82	How Do I Find Clues About Where Myoclonus Is Originating?. <i>Movement Disorders Clinical Practice</i> , 2022, 9, 721-722.	1.5	1
83	[P3208]: EFFECT OF DONEPEZIL ON TRANSCRANIAL MAGNETIC STIMULATION PARAMETERS IN ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P1015.	0.8	0
84	TMS-EEG indexes abnormal GABAergic signalling in patients with schizophrenia. <i>BJPsych Open</i> , 2021, 7, S52-S52.	0.7	0
85	Reply to: "A Primary Writing Tremor Is a Form of Dystonic Tremor: Is the Debate Settled?". <i>Movement Disorders</i> , 2021, 36, 1996-1997.	3.9	0