

Carlo Trompetto

List of Publications by Year in descending order

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108
papers

3,179
citations

172457

29
h-index

175258

52
g-index

108
all docs

108
docs citations

108
times ranked

3209
citing authors

#	ARTICLE	IF	CITATIONS
1	Abnormalities of sensorimotor integration in focal dystonia. <i>Brain</i> , 2001, 124, 537-545.	7.6	270
2	Pathophysiology of Spasticity: Implications for Neurorehabilitation. <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	206
3	Central effects of botulinum toxin type A: Evidence and supposition. <i>Movement Disorders</i> , 2004, 19, S60-S64.	3.9	133
4	Motor recovery following stroke: a transcranial magnetic stimulation study. <i>Clinical Neurophysiology</i> , 2000, 111, 1860-1867.	1.5	125
5	The excitability of the human motor cortex increases during execution and mental imagination of sequential but not repetitive finger movements. <i>Experimental Brain Research</i> , 1996, 111, 465-72.	1.5	124
6	Consensus paper on short-interval intracortical inhibition and other transcranial magnetic stimulation intracortical paradigms in movement disorders. <i>Brain Stimulation</i> , 2008, 1, 183-191.	1.6	123
7	Clinical and Research Methods for Evaluating Cortical Excitability. <i>Journal of Clinical Neurophysiology</i> , 2002, 19, 307-321.	1.7	109
8	Changes of intracortical inhibition during motor imagery in human subjects. <i>Neuroscience Letters</i> , 1999, 263, 113-116.	2.1	93
9	Botulinum toxin changes intrafusal feedback in dystonia: A study with the tonic vibration reflex. <i>Movement Disorders</i> , 2006, 21, 777-782.	3.9	90
10	Balance Dysfunction in Parkinson's Disease. <i>BioMed Research International</i> , 2015, 2015, 1-10.	1.9	90
11	Comparison of intracortical inhibition and facilitation in distal and proximal arm muscles in humans. <i>Journal of Physiology</i> , 1999, 514, 895-903.	2.9	85
12	Intracortical inhibition and facilitation are abnormal in Huntington's disease: a paired magnetic stimulation study. <i>Neuroscience Letters</i> , 1997, 228, 87-90.	2.1	79
13	Selective facilitation of responses to cortical stimulation of proximal and distal arm muscles by precision tasks in man.. <i>Journal of Physiology</i> , 1996, 491, 551-562.	2.9	78
14	Sensory and motor evoked potentials in multiple system atrophy: A comparative study with Parkinson's disease. <i>Movement Disorders</i> , 1997, 12, 315-321.	3.9	74
15	Cerebellar involvement in timing accuracy of rhythmic finger movements in essential tremor. <i>European Journal of Neuroscience</i> , 2009, 30, 1971-1979.	2.6	72
16	Suppression of the transcallosal motor output: a transcranial magnetic stimulation study in healthy subjects. <i>Experimental Brain Research</i> , 2004, 158, 133-40.	1.5	69
17	The effects of rate and sequence complexity on repetitive finger movements. <i>Brain Research</i> , 2007, 1153, 84-91.	2.2	52
18	1â€šHz repetitive TMS over ipsilateral motor cortex influences the performance of sequential finger movements of different complexity. <i>European Journal of Neuroscience</i> , 2008, 27, 1285-1291.	2.6	46

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19	The posture-related interaction between Ia-afferent and descending input on the spinal reflex excitability in humans. <i>Neuroscience Letters</i> , 2006, 397, 301-306.	2.1	45
20	Impairment of transcallosal inhibition in patients with corticobasal degeneration. <i>Clinical Neurophysiology</i> , 2003, 114, 2181-2187.	1.5	41
21	Intrafusal effects of botulinum toxin in post-stroke upper limb spasticity. <i>European Journal of Neurology</i> , 2008, 15, 367-370.	3.3	41
22	KinesioTaping Reduces Pain and Modulates Sensory Function in Patients With Focal Dystonia. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 722-731.	2.9	41
23	Corticospinal excitability in patients with secondary dystonia due to focal lesions of the basal ganglia and thalamus. <i>Clinical Neurophysiology</i> , 2012, 123, 808-814.	1.5	38
24	Abnormalities of motor cortical excitability are not correlated with clinical features in atypical parkinsonism. <i>Movement Disorders</i> , 2000, 15, 1210-1214.	3.9	36
25	Effect of radial shock wave therapy on pain and muscle hypertonia: a double-blind study in patients with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2015, 21, 622-629.	3.0	36
26	Near-infrared spectroscopy as a tool for in vivo analysis of human muscles. <i>Scientific Reports</i> , 2019, 9, 8623.	3.3	36
27	Spastic dystonia in stroke subjects: prevalence and features of the neglected phenomenon of the upper motor neuron syndrome. <i>Clinical Neurophysiology</i> , 2019, 130, 521-527.	1.5	35
28	Muscle relaxation is impaired in dystonia: A reaction time study. <i>Movement Disorders</i> , 2004, 19, 681-687.	3.9	31
29	The postural disorientation induced by neck muscle vibration subsides on lightly touching a stationary surface or aiming at it. <i>Neuroscience</i> , 2006, 143, 1095-1103.	2.3	30
30	Responses of masseter muscles to transcranial magnetic stimulation in patients with amyotrophic lateral sclerosis. <i>Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control</i> , 1998, 109, 309-314.	1.4	29
31	Head trauma in primary cranial dystonias: a multicentre case-control study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2006, 78, 260-263.	1.9	28
32	Intracortical inhibition after paired transcranial magnetic stimulation depends on the current flow direction. <i>Clinical Neurophysiology</i> , 1999, 110, 1106-1110.	1.5	27
33	Intracortical inhibitory circuits and sensory input: a study with transcranial magnetic stimulation in humans. <i>Neuroscience Letters</i> , 2001, 297, 17-20.	2.1	27
34	Proprioceptive Rehabilitation of Upper Limb Dysfunction in Movement Disorders: A Clinical Perspective. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 961.	2.0	27
35	Spasticity and spastic dystonia: the two faces of velocity-dependent hypertonia. <i>Journal of Electromyography and Kinesiology</i> , 2017, 37, 84-89.	1.7	27
36	A randomised controlled cross-over double-blind pilot study protocol on THC:CBD oromucosal spray efficacy as an add-on therapy for post-stroke spasticity. <i>BMJ Open</i> , 2017, 7, e016843.	1.9	27

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37	Influence of coffee drinking and cigarette smoking on the risk of primary late onset blepharospasm: evidence from a multicentre case control study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2007, 78, 877-879.	1.9	26
38	External shock waves therapy in dystonia: preliminary results. <i>European Journal of Neurology</i> , 2009, 16, 517-521.	3.3	24
39	Effects of cerebellar transcranial direct current stimulation on attentional processing of the stimulus: Evidence from an event-related potentials study. <i>Neuropsychologia</i> , 2016, 84, 127-135.	1.6	24
40	Manual Linear Movements to Assess Spasticity in a Clinical Setting. <i>PLoS ONE</i> , 2013, 8, e53627.	2.5	23
41	Differential modulation of motor evoked potential and silent period by activation of intracortical inhibitory circuits. <i>Clinical Neurophysiology</i> , 2001, 112, 1822-1827.	1.5	22
42	Postactivation depression changes after robotic-assisted gait training in hemiplegic stroke patients. <i>Gait and Posture</i> , 2013, 38, 729-733.	1.4	21
43	Effects of Cerebellar tDCS on Inhibitory Control: Evidence from a Go/NoGo Task. <i>Cerebellum</i> , 2020, 19, 788-798.	2.5	21
44	Is There Full or Proportional Somatosensory Recovery in the Upper Limb After Stroke? Investigating Behavioral Outcome and Neural Correlates. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 691-700.	2.9	20
45	Italian consensus on treatment of spasticity in multiple sclerosis. <i>European Journal of Neurology</i> , 2020, 27, 445-453.	3.3	20
46	The effect of cannabinoids on the stretch reflex in multiple sclerosis spasticity. <i>International Clinical Psychopharmacology</i> , 2016, 31, 232-239.	1.7	19
47	Treadmill training in patients affected by Charcotâ€“Marieâ€“Tooth neuropathy: results of a multicenter, prospective, randomized, singleâ€“blind, controlled study. <i>European Journal of Neurology</i> , 2020, 27, 280-287.	3.3	19
48	Training methods and analysis of races of a top level Paralympic swimming athlete. <i>Journal of Exercise Rehabilitation</i> , 2018, 14, 612-620.	1.0	18
49	Systematic Review of Fatigue in Individuals With Cerebral Palsy. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 598800.	2.0	17
50	Creutzfeldt-Jakob disease presenting as corticobasal degeneration: a neurophysiological study. <i>Neurological Sciences</i> , 2006, 27, 118-121.	1.9	16
51	Investigation of paroxysmal dystonia in a patient with multiple sclerosis: A transcranial magnetic stimulation study. <i>Clinical Neurophysiology</i> , 2008, 119, 63-70.	1.5	16
52	In idiopathic cervical dystonia movement direction is inaccurate when reaching in unusual workspaces. <i>Parkinsonism and Related Disorders</i> , 2011, 17, 470-472.	2.2	15
53	Shock Waves in the Treatment of Muscle Hypertonia and Dystonia. <i>BioMed Research International</i> , 2014, 2014, 1-9.	1.9	15
54	Tremor associated with benign IgM paraproteinaemic neuropathy successfully treated with gabapentin. <i>Movement Disorders</i> , 2001, 16, 967-968.	3.9	13

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55	Relaxation in distal and proximal arm muscles: a reaction time study. <i>Clinical Neurophysiology</i> , 2003, 114, 313-318.	1.5	13
56	Psychiatric onset and late chorea in a patient with 41 CAG repeats in the TATA-binding protein gene. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 678-679.	2.2	13
57	“Spastic dystonia” or “inability to voluntary silence EMG activity”? Time for clarifying the nomenclature. <i>Clinical Neurophysiology</i> , 2019, 130, 1076-1077.	1.5	13
58	Stance Postural Strategies in Patients with Chronic Inflammatory Demyelinating Polyradiculoneuropathy. <i>PLoS ONE</i> , 2016, 11, e0151629.	2.5	13
59	Electromyographic assessment of paratonia. <i>Experimental Brain Research</i> , 2017, 235, 949-956.	1.5	12
60	Treadmill training frequency influences walking improvement in subjects with Parkinson's disease: a randomized pilot study. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2017, 53, 201-208.	2.2	11
61	Premotor dorsal white matter integrity for the prediction of upper limb motor impairment after stroke. <i>Scientific Reports</i> , 2019, 9, 19712.	3.3	11
62	Interaction Between Finger Opposition Movements and Aftereffects of 1Hz-rTMS on Ipsilateral Motor Cortex. <i>Journal of Neurophysiology</i> , 2009, 101, 1690-1694.	1.8	10
63	Diffusion magnetic resonance imaging diagnostic relevance in pyogenic ventriculitis with an atypical presentation: a case report. <i>BMC Research Notes</i> , 2014, 7, 149.	1.4	10
64	Self-Perceived Psychophysical Well-Being of Young Competitive Swimmers With Physical or Intellectual Impairment. <i>Perceptual and Motor Skills</i> , 2019, 126, 862-885.	1.3	10
65	Spasticity, spastic dystonia, and static stretch reflex in hypertonic muscles of patients with multiple sclerosis. <i>Clinical Neurophysiology Practice</i> , 2021, 6, 194-202.	1.4	10
66	Motor evoked potentials following cervical electrical stimulation in brachial plexus lesions. <i>Journal of Neurology</i> , 1993, 241, 63-67.	3.6	9
67	The effect of age on post-activation depression of the upper limb H-reflex. <i>European Journal of Applied Physiology</i> , 2014, 114, 359-364.	2.5	9
68	Protocol for the study of self-perceived psychological and emotional well-being of young Paralympic athletes. <i>Health and Quality of Life Outcomes</i> , 2017, 15, 219.	2.4	9
69	The Ventricular System Enlarges Abnormally in the Seventies, Earlier in Men, and First in the Frontal Horn: A Study Based on More Than 3,000 Scans. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 294.	3.4	9
70	Surface Electromyography Spectral Parameters for the Study of Muscle Fatigue in Swimming. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 644765.	1.8	9
71	Bilateral impairment of intracortical inhibition in delayed-onset posthemiplegic dystonia: Pathophysiological implications. <i>Clinical Neurophysiology</i> , 2006, 117, 1312-1318.	1.5	8
72	Do flexible inter-injection intervals improve the effects of botulinum toxin A treatment in reducing impairment and disability in patients with spasticity?. <i>Medical Hypotheses</i> , 2017, 102, 28-32.	1.5	8

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73	Learning "How to Learn" Super Declarative Motor Learning Is Impaired in Parkinson's Disease. <i>Neural Plasticity</i> , 2017, 2017, 1-8.	2.2	8
74	Temporal Asynchrony but Not Total Energy Nor Duration Improves the Judgment of Numerosity in Electrotactile Stimulation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 555.	4.1	8
75	Meralgia Paraesthetica after Prone Position Ventilation in a Patient with COVID-19. <i>European Journal of Case Reports in Internal Medicine</i> , 2019, 7, 002039.	0.4	8
76	Effectiveness of Botulinum Toxin on Pain in Stroke Patients Suffering from Upper Limb Spastic Dystonia. <i>Toxins</i> , 2022, 14, 39.	3.4	7
77	Continuous involuntary hand movements and schizencephaly: epilepsy partialis continua or dystonia?. <i>Neurological Sciences</i> , 2012, 33, 335-338.	1.9	6
78	Orbitofrontal F-DOPA Uptake and Movement Preparation in Parkinson's Disease. <i>Parkinson's Disease</i> , 2015, 2015, 1-7.	1.1	6
79	Dual task gait deteriorates gait performance in cervical dystonia patients: a pilot study. <i>Journal of Neural Transmission</i> , 2021, 128, 1677-1685.	2.8	6
80	Motor cortical excitability in Huntington's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2000, 68, 120-121.	1.9	5
81	Investigating the effects of transcranial direct current stimulation on obstacle negotiation performance in Parkinson disease with freezing of gait: A pilot study. <i>Brain Stimulation</i> , 2019, 12, 1583-1585.	1.6	5
82	Unilateral spatial neglect rehabilitation supported by a digital solution: two case-studies. , 2020, 2020, 3670-3675.		5
83	Ghost spasticity in multiple sclerosis. <i>Journal of Electromyography and Kinesiology</i> , 2020, 51, 102408.	1.7	5
84	In vivo non-invasive near-infrared spectroscopy distinguishes normal, post-stroke, and botulinum toxin treated human muscles. <i>Scientific Reports</i> , 2021, 11, 17631.	3.3	5
85	Muscle Fatigue and Swimming Efficiency in Behind and Lateral Drafting. <i>Frontiers in Physiology</i> , 2022, 13, 835766.	2.8	5
86	Catatonic Features in Major Depression Relieved by Electroconvulsive Treatment: Parallel Evaluation of the Status of Platelet Serotonin Transporter. <i>International Journal of Neuroscience</i> , 2008, 118, 1460-1466.	1.6	4
87	Haptic perception of verticality correlates with postural and balance deficits in patients with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019, 66, 45-50.	2.2	4
88	Neuroradiological Evolution of Glycaemic Hemichorea-Hemiballism and the Possible Role of Brain Hypoperfusion. <i>European Journal of Case Reports in Internal Medicine</i> , 2019, 6, 1.	0.4	4
89	Not all Forms of Muscle Hypertonia Worsen With Fatigue: A Pilot Study in Para Swimmers. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	4
90	Brain temperature as a measure of misfolded proteins metabolism. <i>Medical Hypotheses</i> , 2017, 101, 11.	1.5	3

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91	Radial shock wave therapy: effect on pain and motor performance in a paralympic athlete. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2017, 53, 286-289.	2.2	3
92	Impact of the 2018 World Para Swimming classification revision on the race results in international Paralympic swimming events. <i>German Journal of Exercise and Sport Research</i> , 2020, 50, 251-263.	1.2	3
93	Time to reconcile research findings and clinical practice on upper limb neurorehabilitation. <i>Frontiers in Neurology</i> , 0, 13, .	2.4	3
94	Improved visuospatial neglect after tDCS and computer-assisted cognitive training in Posterior Cortical Atrophy: a single-case study. <i>Neurocase</i> , 2021, 27, 57-63.	0.6	2
95	Meralgia Paraesthetica after Prone Position Ventilation in a Patient with COVID-19. <i>European Journal of Case Reports in Internal Medicine</i> , 2020, 7, 002039.	0.4	2
96	Near-Infrared Transflectance Spectroscopy Discriminates Solutions Containing Two Commercial Formulations of Botulinum Toxin Type A Diluted at Recommended Volumes for Clinical Reconstitution. <i>Biosensors</i> , 2022, 12, 216.	4.7	2
97	Electromyographic Patterns of Paratonia in Normal Subjects and in Patients with Mild Cognitive Impairment or Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2022, 87, 1065-1077.	2.6	2
98	The role of physical activity against chemotherapy-induced peripheral neuropathy: a narrative review. , 0, , 87-99.		2
99	Cannabinoid Effect and Safety in Spasticity Following Stroke: A Double-Blind Randomized Placebo-Controlled Study. <i>Frontiers in Neurology</i> , 0, 13, .	2.4	2
100	A dataset of visible " short wave infrared reflectance spectra collected in vivo on the dorsal and ventral aspect of arms. <i>Data in Brief</i> , 2020, 33, 106480.	1.0	1
101	Isolated Demyelination of Corpus Callosum Following Hypoxia. <i>European Journal of Molecular and Clinical Medicine</i> , 2018, 5, 85-88.	0.1	1
102	The 15-item version of the Boston Naming Test in Italian: normative data for adults. <i>Aphasiology</i> , 2023, 37, 83-98.	2.2	1
103	On the performance assessment during the practice of an exergame for cerebellar ataxia patients. , 2021, 2021, 5747-5751.		1
104	Effects of Botulinum Toxin on Central Nervous System Function. , 2009, , 85-91.		0
105	Botulinum toxin is prescribed for spasticity or spastic dystonia?. <i>Toxicon</i> , 2018, 156, S74.	1.6	0
106	I can't count, but I can beat you playing cards: a case report on autoimmune encephalitis. <i>BMC Neurology</i> , 2021, 21, 347.	1.8	0
107	Habituation of Somatosensory Evoked Potentials in Patients with Alzheimer's Disease and Those with Vascular Dementia. <i>Medicina (Lithuania)</i> , 2021, 57, 1364.	2.0	0
108	A Study Protocol for Occupational Rehabilitation in Multiple Sclerosis. <i>Sensors</i> , 2021, 21, 8436.	3.8	0