Davide Cattaneo

List of Publications by Year in descending order

101 papers	3,567 citations	172207 29 h-index	149479 56 g-index
102 all docs	102 docs citations	102 times ranked	3110 citing authors

#	Article	IF	Citations
1	Effects of voice rehabilitation in people with MS: A double-blinded long-term randomized controlled trial. Multiple Sclerosis Journal, 2022, 28, 1081-1090.	1.4	3
2	Identification of modified dynamic gait index cutoff scores for assessing fall risk in people with Parkinson disease, stroke and multiple sclerosis. Gait and Posture, 2022, 91, 1-6.	0.6	8
3	Prevalence and patterns of subclinical motor and cognitive impairments in non-disabled individuals with early multiple sclerosis: A multicenter cross-sectional study. Annals of Physical and Rehabilitation Medicine, 2022, 65, 101491.	1.1	11
4	Distribution and relation of two arm function tests, Box and Blocks test and Nine Hole Peg test, across disease severity levels and types of multiple sclerosis. Multiple Sclerosis and Related Disorders, 2022, 59, 103683.	0.9	6
5	Physical activity in non-disabled people with early multiple sclerosis: A multicenter cross-sectional study. Multiple Sclerosis and Related Disorders, 2022, 64, 103941.	0.9	5
6	Effects of immersive virtual reality on upper limb function in subjects with multiple sclerosis: A cross-over study. Multiple Sclerosis and Related Disorders, 2022, 65, 104004.	0.9	9
7	Instrumentally assessed gait quality is more relevant than gait endurance and velocity to explain patientâ€reported walking ability in earlyâ€stage multiple sclerosis. European Journal of Neurology, 2021, 28, 2259-2268.	1.7	11
8	Wearable Devices for Biofeedback Rehabilitation: A Systematic Review and Meta-Analysis to Design Application Rules and Estimate the Effectiveness on Balance and Gait Outcomes in Neurological Diseases. Sensors, 2021, 21, 3444.	2.1	46
9	What is the impact of robotic rehabilitation on balance and gait outcomes in people with multiple sclerosis? A systematic review of randomized control trials. European Journal of Physical and Rehabilitation Medicine, 2021, 57, 246-253.	1.1	27
10	Use of wrist-worn accelerometers to quantify bilateral upper limb activity and asymmetry under free-living conditions in people with multiple sclerosis. Multiple Sclerosis and Related Disorders, 2021, 53, 103081.	0.9	7
11	Italian translation and psychometric validation of the ABILHAND-26 and its correlation with upper limb objective and subjective measures in multiple sclerosis subjects. Multiple Sclerosis and Related Disorders, 2021, 55, 103160.	0.9	3
12	Minimal clinically important difference of modified dynamic gait index in people with neurological disorders. Gait and Posture, 2021, 90, 210-214.	0.6	3
13	Walking With Horizontal Head Turns Is Impaired in Persons With Early-Stage Multiple Sclerosis Showing Normal Locomotion. Frontiers in Neurology, 2021, 12, 821640.	1.1	5
14	Factors influencing balance improvement in multiple sclerosis rehabilitation: A pragmatic multicentric trial. Annals of Physical and Rehabilitation Medicine, 2020, 63, 93-98.	1.1	12
15	Effect of Impairment-Oriented and Function-Oriented Exercises on Mouth Function in Subjects with Systemic Sclerosis. Folia Phoniatrica Et Logopaedica, 2020, 72, 389-401.	0.5	4
16	How do resistance training and balance and motor control training affect gait performance and fatigue impact in people with multiple sclerosis? A randomized controlled multi-center study. Multiple Sclerosis Journal, 2020, 26, 1420-1432.	1.4	31
17	Treadmill training in patients affected by Charcotâ€“Marieâ€“Tooth neuropathy: results of a multicenter, prospective, randomized, singleâ€blind, controlled study. European Journal of Neurology, 2020, 27, 280-287.	1.7	19
18	Mobility Disorders in Stroke, Parkinson Disease, and Multiple Sclerosis. American Journal of Physical Medicine and Rehabilitation, 2020, 99, 41-47.	0.7	12

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19	Improving our understanding of the most important items of the Multiple Sclerosis Walking Scale-12 indicating mobility dysfunction: Secondary results from a RIMS multicenter study. Multiple Sclerosis and Related Disorders, 2020, 46, 102511.	0.9	3
20	Real-World Goal Setting and Use of Outcome Measures According to the International Classification of Functioning, Disability and Health: A European Survey of Physical Therapy Practice in Multiple Sclerosis. International Journal of Environmental Research and Public Health, 2020, 17, 4774.	1.2	10
21	Improved Gait of Persons With Multiple Sclerosis After Rehabilitation: Effects on Lower Limb Muscle Synergies, Push-Off, and Toe-Clearance. Frontiers in Neurology, 2020, 11, 668.	1.1	9
22	Nine Hole Peg Test asymmetry in refining upper limb assessment in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2020, 45, 102422.	0.9	9
23	Local Dynamic Stability of Gait in People With Early Multiple Sclerosis and No-to-Mild Neurological Impairment. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1389-1396.	2.7	19
24	Assessing balance in non-disabled subjects with multiple sclerosis: Validation of the Fullerton Advanced Balance Scale. Multiple Sclerosis and Related Disorders, 2020, 42, 102085.	0.9	6
25	Haptic vs sensorimotor training in the treatment of upper limb dysfunction in multiple sclerosis: A multi-center, randomised controlled trial. Journal of the Neurological Sciences, 2020, 412, 116743.	0.3	11
26	Italian translation and psychometric validation of the Manual Ability Measure-36 (MAM-36) and its correlation with an objective measure of upper limb function in patients with multiple sclerosis. Neurological Sciences, 2020, 41, 1539-1546.	0.9	9
27	Is a Wearable Sensor-Based Characterisation of Gait Robust Enough to Overcome Differences Between Measurement Protocols? A Multi-Centric Pragmatic Study in Patients with Multiple Sclerosis. Sensors, 2020, 20, 79.	2.1	17
28	Impaired heart rate recovery after sub-maximal physical exercise in people with multiple sclerosis. Multiple Sclerosis and Related Disorders, 2020, 40, 101960.	0.9	5
29	The impact of balance specific physiotherapy, intensity of therapy and disability on static and dynamic balance in people with multiple sclerosis: A multi-center prospective study. Multiple Sclerosis and Related Disorders, 2020, 40, 101974.	0.9	18
30	Content and Delivery of Physical Therapy in Multiple Sclerosis across Europe: A Survey. International Journal of Environmental Research and Public Health, 2020, 17, 886.	1.2	18
31	Educational and Exercise Intervention to Prevent Falls and Improve Participation in Subjects With Neurological Conditions: The NEUROFALL Randomized Controlled Trial. Frontiers in Neurology, 2019, 10, 865.	1.1	20
32	How much does balance and muscle strength impact walking in persons with multiple sclerosis? - A cross-sectional study. Multiple Sclerosis and Related Disorders, 2019, 29, 137-144.	0.9	18
33	Clinical correlates of 9-hole peg test in a large population of people with multiple sclerosis. Multiple Sclerosis and Related Disorders, 2019, 30, 1-8.	0.9	34
34	Response to Letter Regarding â€œMinimal Clinically Important Difference of Berg Balance Scale in People With Multiple Sclerosisâ€• Archives of Physical Medicine and Rehabilitation, 2019, 100, 1191-1192.	0.5	1
35	Instrumented Version of the Modified Dynamic Gait Index in Patients With Neurologic Disorders. PM and R, 2019, 11, 1312-1319.	0.9	9
36	Effect of arm cycling and task-oriented exercises on fatigue and upper limb performance in multiple sclerosis: a randomized crossover study. International Journal of Rehabilitation Research, 2019, 42, 300-308.	0.7	7

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37	Clinical validity of novel postural stabilization experimental indices based on hyperbolic transformation. Gait and Posture, 2019, 67, 147-150.	0.6	1
38	How does strength training and balance training affect gait and fatigue in patients with Multiple Sclerosis? A study protocol of a randomized controlled trial. NeuroRehabilitation, 2018, 42, 131-142.	0.5	10
39	Physiotherapeutic interventions in multiple sclerosis across Europe: Regions and other factors that matter. Multiple Sclerosis and Related Disorders, 2018, 22, 59-67.	0.9	22
40	Prediction of Falls in Subjects Suffering From Parkinson Disease, Multiple Sclerosis, and Stroke. Archives of Physical Medicine and Rehabilitation, 2018, 99, 641-651.	0.5	51
41	Falls prevention and balance rehabilitation in multiple sclerosis: a bi-centre randomised controlled trial. Disability and Rehabilitation, 2018, 40, 522-526.	0.9	20
42	Validation of the Arm Profile Score in assessing upper limb functional impairments in people with multiple sclerosis. Clinical Biomechanics, 2018, 51, 45-50.	0.5	10
43	Instrumental Assessment of Stair Ascent in People With Multiple Sclerosis, Stroke, and Parkinsonâ€™s Disease: A Wearable-Sensor-Based Approach. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 2324-2332.	2.7	22
44	Predictors of mobility domain of health-related quality of life after rehabilitation in Parkinsonâ€™s disease: a pilot study. Archives of Physiotherapy, 2018, 8, 10.	0.7	8
45	Intensive Multimodal Training to Improve Gait Resistance, Mobility, Balance and Cognitive Function in Persons With Multiple Sclerosis: A Pilot Randomized Controlled Trial. Frontiers in Neurology, 2018, 9, 800.	1.1	37
46	Responsiveness and meaningful improvement of mobility measures following MS rehabilitation. Neurology, 2018, 91, e1880-e1892.	1.5	37
47	Modified Functional Walking Categories and participation in people with multiple sclerosis. Multiple Sclerosis and Related Disorders, 2018, 26, 11-18.	0.9	11
48	Cardiac autonomic function during postural changes and exercise in people with multiple sclerosis: A cross-sectional study. Multiple Sclerosis and Related Disorders, 2018, 24, 85-90.	0.9	7
49	Response to Letter â€œPrediction of Falls in Subjects Suffering From Parkinson Disease, Multiple Sclerosis, and Stroke: Methodologic Issuesâ€• Archives of Physical Medicine and Rehabilitation, 2018, 99, 1688-1689.	0.5	1
50	Counteracting Postural Perturbations Through Body Weight Shift: A Pilot Study Using a Robotic Platform in Subjects With Parkinsonâ€™s Disease. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1794-1802.	2.7	6
51	Participation Restriction in People With Multiple Sclerosis: Prevalence and Correlations With Cognitive, Walking, Balance, and Upper Limb Impairments. Archives of Physical Medicine and Rehabilitation, 2017, 98, 1308-1315.	0.5	80
52	Wearable Sensor-Based Biofeedback Training for Balance and Gait in Parkinson Disease: A Pilot Randomized Controlled Trial. Archives of Physical Medicine and Rehabilitation, 2017, 98, 622-630.e3.	0.5	80
53	Minimal Clinically Important Difference of Berg Balance Scale in People With Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2017, 98, 337-340.e2.	0.5	81
54	Effects of Functional Electrical Stimulation on Reducing Falls and Improving Gait Parameters in Multiple Sclerosis and Stroke. PM and R, 2017, 9, 339.	0.9	18

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55	Multidisciplinary Rehabilitation is Efficacious and Induces Neural Plasticity in Multiple Sclerosis even when Complicated by Progressive Multifocal Leukoencephalopathy. Frontiers in Neurology, 2017, 8, 491.	1.1	4
56	Are Modular Activations Altered in Lower Limb Muscles of Persons with Multiple Sclerosis during Walking? Evidence from Muscle Synergies and Biomechanical Analysis. Frontiers in Human Neuroscience, 2016, 10, 620.	1.0	42
57	The organisation of physiotherapy for people with multiple sclerosis across Europe: a multicentre questionnaire survey. BMC Health Services Research, 2016, 16, 552.	0.9	11
58	Comparison of upright balance in stroke, Parkinson and multiple sclerosis. Acta Neurologica Scandinavica, 2016, 133, 346-354.	1.0	39
59	Modular organization of lower limbs in persons with multiple sclerosis and healthy persons during walking. Gait and Posture, 2015, 42, S14-S15.	0.6	1
60	Clinical and stabilometric measures predicting falls in Parkinson disease/parkinsonisms. Acta Neurologica Scandinavica, 2015, 132, 235-241.	1.0	10
61	A new instrumented method for the evaluation of gait initiation and step climbing based on inertial sensors: a pilot application in Parkinsonâ€™s disease. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 45.	2.4	34
62	Hilbertâ€“Huang transform based instrumental assessment of intention tremor in multiple sclerosis. Journal of Neural Engineering, 2015, 12, 046011.	1.8	10
63	Unilateral and bilateral upper limb dysfunction at body functions, activity and participation levels in people with multiple sclerosis. Multiple Sclerosis Journal, 2015, 21, 1566-1574.	1.4	110
64	Instrumented Assessment of Oral Motor Function in Healthy Subjects and People with Systemic Sclerosis. Dysphagia, 2015, 30, 286-295.	1.0	4
65	Associations of Upper Limb Disability Measures on Different Levels of the International Classification of Functioning, Disability and Health in People With Multiple Sclerosis. Physical Therapy, 2015, 95, 65-75.	1.1	50
66	Physical therapy in multiple sclerosis differs across Europe: Information regarding an ongoing study. Journal of International Medical Research, 2014, 42, 1185-1187.	0.4	4
67	Assessment of postural stabilization in three task oriented movements in people with multiple sclerosis. Disability and Rehabilitation, 2014, 36, 2237-2243.	0.9	16
68	A systematic review of factors associated with accidental falls in people with multiple sclerosis: a meta-analytic approach. Clinical Rehabilitation, 2014, 28, 704-716.	1.0	114
69	Effect of treadmill training on fatigue in multiple sclerosis. International Journal of Rehabilitation Research, 2014, 37, 54-60.	0.7	14
70	Stabilometric assessment of context dependent balance recovery in persons with multiple sclerosis: a randomized controlled study. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 100.	2.4	28
71	Quantitative assessment of upper limb motor function in Multiple Sclerosis using an instrumented Action Research Arm Test. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 67.	2.4	86
72	Relationship Between Quality of Life and Dysarthria in Patients With Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2014, 95, 2047-2054.	0.5	37

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73	Applying the RE-AIM Framework to Inform the Development of a Multiple Sclerosis Falls-Prevention Intervention. International Journal of MS Care, 2014, 16, 192-197.	0.4	16
74	Home or Away? Choosing a Setting for a Falls-Prevention Program for People with Multiple Sclerosis. International Journal of MS Care, 2014, 16, 186-191.	0.4	6
75	Targeting Dynamic Balance in Falls-Prevention Interventions in Multiple Sclerosis. International Journal of MS Care, 2014, 16, 198-202.	0.4	31
76	The virtual time to contact in the evaluation of balance disorders and prediction of falls in people with multiple sclerosis. Disability and Rehabilitation, 2012, 34, 470-477.	0.9	31
77	Effects of Fatigue on Balance and Mobility in Subjects with Multiple Sclerosis: A Brief Report. ISRN Neurology, 2012, 2012, 1-4.	1.5	9
78	Robot Training of Upper Limb in Multiple Sclerosis: Comparing Protocols With or WithoutManipulative Task Components. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 351-360.	2.7	66
79	Identification of New Hematopoietic Cell Subsets with a Polyclonal Antibody Library Specific for Neglected Proteins. PLoS ONE, 2012, 7, e34395.	1.1	1
80	Pain in Postsurgical Orthopedic Rehabilitation: A Multicenter Study. Pain Medicine, 2012, 13, 769-776.	0.9	7
81	Effect of kinesio taping on standing balance in subjects with multiple sclerosis: A pilot study1. NeuroRehabilitation, 2011, 28, 365-372.	0.5	60
82	An Experimental Paradigm to Assess Postural Stabilization: No More Movement and Not Yet Posture. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2011, 19, 420-426.	2.7	21
83	A tailored exercise of manipulation of virtual tools to treat upper limb impairment in Multiple Sclerosis. , 2011, 2011, 5975509.		6
84	Reliability and Validity of an Instrument to Measure Quality of Life in the Dysarthric Speaker. Folia Phoniatrica Et Logopaedica, 2011, 63, 289-295.	0.5	28
85	Oropharyngolaryngeal Disorders in Scleroderma: Development and Validation of the SLS Scale. Dysphagia, 2010, 25, 127-138.	1.0	15
86	Emerging evidence-based physical rehabilitation for Multiple Sclerosis - Towards an inventory of current content across Europe. Health and Quality of Life Outcomes, 2010, 8, 76.	1.0	30
87	Advances in molecular tools for the use of Zygosaccharomyces bailii as host for biotechnological productions and construction of â€ƒthe first auxotrophic mutant. FEMS Yeast Research, 2010, 10, 894-908.	1.1	21
88	Task-Oriented Biofeedback to Improve Gait in Individuals With Chronic Stroke: Motor Learning Approach. Neurorehabilitation and Neural Repair, 2010, 24, 478-485.	1.4	81
89	Robot-based rehabilitation of the upper limbs in multiple sclerosis: Feasibility and preliminary results. Journal of Rehabilitation Medicine, 2009, 41, 966-970.	0.8	67
90	Sensory impairments in quiet standing in subjects with multiple sclerosis. Multiple Sclerosis Journal, 2009, 15, 59-67.	1.4	168

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91	Reliability and Validity of the Dynamic Gait Index in Persons With Chronic Stroke. Archives of Physical Medicine and Rehabilitation, 2007, 88, 1410-1415.	0.5	206
92	Reliability of four scales on balance disorders in persons with multiple sclerosis. Disability and Rehabilitation, 2007, 29, 1920-1925.	0.9	193
93	Concepts of Motor Learning Applied to a Rehabilitation Protocol Using Biofeedback to Improve Gait in a Chronic Stroke Patient: An A-B System Study With Multiple Gait Analyses. Neurorehabilitation and Neural Repair, 2007, 21, 190-194.	1.4	35
94	Effects of balance exercises on people with multiple sclerosis: a pilot study. Clinical Rehabilitation, 2007, 21, 771-781.	1.0	214
95	Validity of six balance disorders scales in persons with multiple sclerosis. Disability and Rehabilitation, 2006, 28, 789-795.	0.9	311
96	Head Control: Volitional Aspects of Rehabilitation Training in Patients With Multiple Sclerosis Compared With Healthy Subjects. Archives of Physical Medicine and Rehabilitation, 2005, 86, 1381-1388.	0.5	16
97	Effects of Sudden, Passive Muscle Shortening According to Grimaldiâ€™s Method on Patients Suffering from Multiple Sclerosis: A Randomized Controlled Trial. Neurorehabilitation and Neural Repair, 2004, 18, 47-52.	1.4	10
98	Trunk control in unstable sitting posture during functional activities in healthy subjects and patients with multiple sclerosis. Archives of Physical Medicine and Rehabilitation, 2004, 85, 279-283.	0.5	82
99	Risks of falls in subjects with multiple sclerosis. Archives of Physical Medicine and Rehabilitation, 2002, 83, 864-867.	0.5	257
100	Computerized System to Improve Voluntary Control of Balance in Neurological Patients. Cyberpsychology, Behavior and Social Networking, 2001, 4, 687-694.	2.2	15
101	Acute Thermoregulatory and Cardiovascular Response to Submaximal Exercise in People With Multiple Sclerosis. Frontiers in Immunology, 0, 13, .	2.2	1