Marco Rabuffetti

List of Publications by Year
in descending order

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100 papers	3,726 citations	196777 29 h-index	156644 58 g-index
103 all docs	103 docs citations	103 times ranked	4448 citing authors

#	Article	IF	Citations
1	Stabilization after postural transitions in the elderly: Experimental study on community-dwelling subjects and nursing home residents. Gait and Posture, 2022, 91, 105-110.	0.6	3
2	Gait disorders in CKD patients: muscle wasting or cognitive impairment? A cross-sectional pilot study to investigate gait signatures in Stage 1â€“5 CKD patients. BMC Nephrology, 2022, 23, 72.	0.8	4
3	Smoothness of movement in idiopathic cervical dystonia. Scientific Reports, 2022, 12, 5090.	1.6	6
4	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
5	Drawing lines and circles in Parkinson's Disease: The lateralized symptoms interfere with the movements of the unaffected hand. Neuropsychologia, 2021, 151, 107718.	0.7	1
6	Structural insights into the desymmetrization of bulky 1,2-dicarbonyls through enzymatic monoreduction. Bioorganic Chemistry, 2021, 108, 104644.	2.0	6
7	Actigraphic Measurement of the Upper Limbs for the Prediction of Ischemic Stroke Prognosis: An Observational Study. Sensors, 2021, 21, 2479.	2.1	7
8	Quantitative Assessment of Motor Neglect. Stroke, 2021, 52, 1618-1627.	1.0	10
9	Strategies for maintaining dynamic balance in persons with neurological disorders during overground walking. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2021, 235, 1079-1087.	1.0	11
10	Signatures of Gait Movement Variability in CKD Patients Scheduled for Hemodialysis Indicate Pathological Performance Before and After Hemodialysis: A Prospective, Observational Study. Frontiers in Medicine, 2021, 8, 702029.	1.2	4
11	Automated scoring for a Tablet-based Rey Figure copy task differentiates constructional, organisational, and motor abilities. Scientific Reports, 2021, 11, 14895.	1.6	6
12	The Association of Fatigue With Decreasing Regularity of Locomotion During an Incremental Test in Trained and Untrained Healthy Adults. Frontiers in Bioengineering and Biotechnology, 2021, 9, 724791.	2.0	2
13	Assessment of Stability of MIMU Probes to Skin-Marker-Based Anatomical Reference Frames During Locomotion Tasks: Effect of Different Locations on the Lower Limb. Frontiers in Bioengineering and Biotechnology, 2021, 9, 721900.	2.0	5
14	Direct Electrical Stimulation of Premotor Areas: Different Effects on Hand Muscle Activity during Object Manipulation. Cerebral Cortex, 2020, 30, 391-405.	1.6	29
15	Stereoselective Reduction of Prochiral Cyclic 1,3-Diketones Using Different Biocatalysts. Catalysis Letters, 2020, 150, 1176-1185.	1.4	8
16	Conformational Studies on Two FtsZ Targeting Cyclic Peptides. International Journal of Peptide Research and Therapeutics, 2020, 26, 1567-1573.	0.9	1
17	Measures of dynamic balance during level walking in healthy adult subjects: Relationship with age, anthropometry and spatio-temporal gait parameters. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 131-140.	1.0	21
18	Gait regularity assessed by wearable sensors: Comparison between accelerometer and gyroscope data for different sensor locations and walking speeds in healthy subjects. Journal of Biomechanics, 2020, 113, 110115.	0.9	4

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19	â€œArt, Colors, and Emotionsâ€•Treatment (ACE-t): A Pilot Study on the Efficacy of an Art-Based Intervention for People With Alzheimerâ€™s Disease. Frontiers in Psychology, 2020, 11, 1467.	1.1	16
20	Synthesis of Î³-Glutamyl Derivatives of Sulfur-Containing Amino Acids in a Multigram Scale via a Two-Step, One-Pot Procedure. MolBank, 2020, 2020, M1147.	0.2	2
21	Is bimanual interference affected in the case of a central proprioceptive loss? New insight from a left-brain-damaged single-case study.. Neuropsychology, 2020, 34, 479-492.	1.0	4
22	Influence of drying techniques and growing location on the chemical composition of sweet pepper (Capsicum annuumL., var. Senise). Journal of Food Biochemistry, 2019, 43, e13031.	1.2	12
23	Synthesis of Ribavirin, Tecadenoson, and Cladribine by Enzymatic Transglycosylation. Catalysts, 2019, 9, 355.	1.6	36
24	The LAMB gait analysis protocol: Definition and experimental assessment of operator-related variability. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2019, 233, 342-353.	1.0	16
25	Effects of Gait Strategy and Speed on Regularity of Locomotion Assessed in Healthy Subjects Using a Multi-Sensor Method. Sensors, 2019, 19, 513.	2.1	18
26	How Tool-Use Shapes Body Metric Representation: Evidence From Motor Training With and Without Robotic Assistance. Frontiers in Human Neuroscience, 2019, 13, 299.	1.0	11
27	Actigraphic measurement of the upper limbs movements in acute stroke patients. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 153.	2.4	12
28	Human kinematic, kinetic and EMG data during different walking and stair ascending and descending tasks. Scientific Data, 2019, 6, 309.	2.4	70
29	Effect of the inserted active-site-covering lid loop on the catalytic activity of a mutant B. subtilis Î³-glutamyltransferase (GGT). RSC Advances, 2019, 9, 34699-34709.	1.7	5
30	Body ownership increases the interference between observed and executed movements. PLoS ONE, 2019, 14, e0209899.	1.1	50
31	Clinical validity of novel postural stabilization experimental indices based on hyperbolic transformation. Gait and Posture, 2019, 67, 147-150.	0.6	1
32	Surface Plasmon Resonance as a Tool for Ligand Binding Investigation of Engineered GPR17 Receptor, a G Protein Coupled Receptor Involved in Myelination. Frontiers in Chemistry, 2019, 7, 910.	1.8	24
33	Component deficits of visual neglect: â€œMagneticâ€•attraction of attention vs. impaired spatial working memory. Neuropsychologia, 2018, 109, 52-62.	0.7	26
34	Dissociation between executed and imagined bimanual movements in autism spectrum conditions. Autism Research, 2018, 11, 376-384.	2.1	11
35	The Chemistry behind Tomato Quality. Natural Product Communications, 2018, 13, 1934578X1801300.	0.2	11
36	Electromyographic and biomechanical analysis of step negotiation in Charcot Marie Tooth subjects whose level walk is not impaired. Gait and Posture, 2018, 62, 497-504.	0.6	6

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37	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
38	Influence of the amount of body weight support on lower limb jointsâ€™ kinematics during treadmill walking at different gait speeds: Reference data on healthy adults to define trajectories for robot assistance. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 619-627.	1.0	8
39	Drawn together: When motor representations ground joint actions. Cognition, 2017, 165, 53-60.	1.1	31
40	Is lower peripheral information weighted differently as a function of step number during step climbing?. Gait and Posture, 2017, 52, 52-56.	0.6	3
41	Acute effects of direct inhibitory pressure over the biceps brachii myotendinous junction on skeletal muscle activation and force output. Journal of Electromyography and Kinesiology, 2017, 37, 25-34.	0.7	4
42	Synthesis of Adenine Nucleosides by Transglycosylation using Two Sequential Nucleoside Phosphorylaseâ€Based Bioreactors with Onâ€Line Reaction Monitoring by using HPLC. ChemCatChem, 2017, 9, 4614-4620.	1.8	15
43	Responsiveness of gait analysis parameters in a cohort of 71 CMT subjects. Neuromuscular Disorders, 2017, 27, 1029-1037.	0.3	10
44	SIAMOC position paper on gait analysis in clinical practice: General requirements, methods and appropriateness. Results of an Italian consensus conference. Gait and Posture, 2017, 58, 252-260.	0.6	82
45	Physical human-robot interaction of an active pelvis orthosis: toward ergonomic assessment of wearable robots. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 29.	2.4	30
46	Regularity assessment of cyclic human movements: An innovative method based on wearable sensors. , 2017, , .		0
47	Exergames Encouraging Exploration of Hemineglected Space in Stroke Patients With Visuospatial Neglect: A Feasibility Study. JMIR Serious Games, 2017, 5, e17.	1.7	18
48	Abnormal Sense of Agency in Patients with Schizophrenia: Evidence from Bimanual Coupling Paradigm. Frontiers in Behavioral Neuroscience, 2016, 10, 43.	1.0	46
49	Development, validation and application of a 96-well enzymatic assay based on LC-ESI-MS/MS quantification for the screening of selective inhibitors against Mycobacterium tuberculosis purine nucleoside phosphorylase. Analytica Chimica Acta, 2016, 943, 89-97.	2.6	9
50	Differential actigraphy for monitoring asymmetry in upper limb motor activities. Physiological Measurement, 2016, 37, 1798-1812.	1.2	28
51	Is the acceleration of a single body point good enough to assess COM stabilization?. Gait and Posture, 2015, 42, S12-S13.	0.6	0
52	Invisible grasps: Grip interference in anosognosia for hemiplegia.. Neuropsychology, 2015, 29, 776-781.	1.0	24
53	Ergonomic assessment of an active pelvis orthosis. Gait and Posture, 2015, 42, S18-S19.	0.6	1
54	Flowâ€Synthesis of Nucleosides Catalyzed by an Immobilized Purine Nucleoside Phosphorylase from Aeromonas hydrophila: Integrated Systems of Reaction Control and Product Purification. Advanced Synthesis and Catalysis, 2015, 357, 2520-2528.	2.1	30

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55	Bimanual non-congruent actions in motor neglect syndrome: a combined behavioral/fMRI study. Frontiers in Human Neuroscience, 2015, 9, 541.	1.0	8
56	Bimanual coupling effects during arm immobilization and passive movements. Human Movement Science, 2015, 41, 114-126.	0.6	7
57	The influence of somatosensory and muscular deficits on postural stabilization: Insights from an instrumented analysis of subjects affected by different types of Charcotâ€“Marieâ€“Tooth disease. Neuromuscular Disorders, 2015, 25, 640-645.	0.3	16
58	Chemistry of Î±-mangostin. Studies on the semisynthesis of minor xanthones from Garcinia mangostana. Natural Product Research, 2015, 29, 750-755.	1.0	17
59	Substrate Specificity of a Purine Nucleoside Phosphorylase from <i>Aeromonas hydrophila</i> Toward 6-Substituted Purines and its Use as a Biocatalyst in the Synthesis of the Corresponding Ribonucleosides. Current Organic Chemistry, 2015, 19, 2220-2225.	0.9	11
60	Analysis of relative displacement between the HX wearable robotic exoskeleton and the userâ€™s hand. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 147.	2.4	16
61	Assessment of postural stabilization in three task oriented movements in people with multiple sclerosis. Disability and Rehabilitation, 2014, 36, 2237-2243.	0.9	16
62	Kinematic Analysis of the Upper Limb Motor Strategies in Stroke Patients as a Tool towards Advanced Neurorehabilitation Strategies: A Preliminary Study. BioMed Research International, 2014, 2014, 1-8.	0.9	46
63	Drawing lines while imagining circles: Neural basis of the bimanual coupling effect during motor execution and motor imagery. NeuroImage, 2014, 88, 100-112.	2.1	30
64	Postural stabilization and balance assessment in Charcotâ€“Marieâ€“Tooth 1A subjects. Gait and Posture, 2014, 40, 481-486.	0.6	29
65	Assessment of biofeedback rehabilitation in post-stroke patients combining fMRI and gait analysis: a case study. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 53.	2.4	17
66	Executed and imagined bimanual movements: A study across different ages.. Developmental Psychology, 2014, 50, 1073-1080.	1.2	25
67	Changes of gait pattern in children with Charcot-Marie-Tooth disease type 1A: a 18 months follow-up study. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 65.	2.4	19
68	Embodiment of an alien hand interferes with intact-hand movements. Current Biology, 2013, 23, R57-R58.	1.8	67
69	Temporal coupling due to illusory movements in bimanual actions: Evidence from anosognosia for hemiplegia. Cortex, 2013, 49, 1694-1703.	1.1	31
70	Long-Lasting Amelioration of Walking Trajectory in Neglect after Prismatic Adaptation. Frontiers in Human Neuroscience, 2013, 7, 382.	1.0	18
71	â€˜Movingâ€™ a paralysed hand: bimanual coupling effect in patients with anosognosia for hemiplegia. Brain, 2012, 135, 1486-1497.	3.7	83
72	Gait pattern classification in children with Charcotâ€“Marieâ€“Tooth disease type 1A. Gait and Posture, 2012, 35, 131-137.	0.6	72

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73	Spatio-Temporal Features of Visual Exploration in Unilaterally Brain-Damaged Subjects with or without Neglect: Results from a Touchscreen Test. PLoS ONE, 2012, 7, e31511.	1.1	33
74	A multiple-task gait analysis approach: Kinematic, kinetic and EMG reference data for healthy young and adult subjects. Gait and Posture, 2011, 33, 6-13.	0.6	290
75	Reliability of instrumented movement analysis as outcome measure in Charcotâ€“Marieâ€“Tooth disease: Results from a multitask locomotor protocol. Gait and Posture, 2011, 34, 36-43.	0.6	25
76	Potential Role of Wearable, Ambulatory and Home Monitoring Systems for Patients with Neurodegenerative Diseases and Their Caregivers. , 2011, , .		3
77	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
78	Coordination between upper- and lower-limb movements is different during overground and treadmill walking. European Journal of Applied Physiology, 2010, 108, 71-82.	1.2	43
79	Verbal commands help the execution of endogenous movements in anarchic hand. Neuropsychological Rehabilitation, 2010, 20, 406-422.	1.0	17
80	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
81	Functional resources to increase gait speed in people with stroke: Strategies adopted compared to healthy controls. Gait and Posture, 2009, 29, 355-359.	0.6	77
82	Effect of optical flow versus attentional strategy on gait in Parkinson's Disease: a study with a portable optical stimulating device. Journal of NeuroEngineering and Rehabilitation, 2008, 5, 3.	2.4	16
83	Quantitative comparison of five current protocols in gait analysis. Gait and Posture, 2008, 28, 207-216.	0.6	283
84	Does Instrumented Movement Analysis Alter, Objectively Confirm, or Not Affect Clinical Decision-making in Musicians with Focal Dystonia?. Medical Problems of Performing Artists, 2008, 23, 99-106.	0.2	4
85	Bisecting Lines with Different Tools in Right Brain Damaged Patients: The Role of Action Programming and Sensory Feedback in Modulating Spatial Remapping. Cortex, 2007, 43, 397-410.	1.1	44
86	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
87	Unilateral and Bilateral Subthalamic Nucleus Stimulation in Parkinson's Disease: Effects on EMG Signals of Lower Limb Muscles During Walking. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2007, 15, 182-189.	2.7	25
88	Locomotor Function in the Early Stage of Parkinson's Disease. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2007, 15, 543-551.	2.7	129
89	Specific Impairments of Selective Attention in Mild Alzheimerâ€™s Disease. Journal of Clinical and Experimental Neuropsychology, 2005, 27, 436-448.	0.8	30
90	Coding of far and near space during walking in neglect patients.. Neuropsychology, 2002, 16, 390-399.	1.0	60

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91	Stair ascent and descent at different inclinations. Gait and Posture, 2002, 15, 32-44.	0.6	601
92	Method for the analysis of posture and interface pressure of car drivers. Applied Ergonomics, 2002, 33, 511-522.	1.7	160
93	Coding of far and near space during walking in neglect patients. Neuropsychology, 2002, 16, 390-9.	1.0	27
94	Ground reaction: intrinsic and extrinsic variability assessment and related method for artefact treatment. Journal of Biomechanics, 2001, 34, 363-370.	0.9	12
95	A Methodological Approach for the Analysis of the Car Driver's Posture. , 1999, , .		1
96	Are perception and action affected differently by the Titchener circles illusion?. Experimental Brain Research, 1999, 127, 95-101.	0.7	168
97	Long-term adaptation of postural control in microgravity. Experimental Brain Research, 1999, 128, 410-416.	0.7	30
98	Kinematic characteristics of standing disequilibrium: Reliability and validity of a posturographic protocol. Archives of Physical Medicine and Rehabilitation, 1999, 80, 278-287.	0.5	106
99	Comparison of three methods for estimating vertical displacement of center of mass during level walking in patients. Gait and Posture, 1996, 4, 306-314.	0.6	65
100	Accessibility Simulation and Ergonomic Evaluation for Virtual Prototyping. , 0, , .		1