

# Luigi Tesio

## List of Publications by Citations

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111  
papers

3,499  
citations

31  
h-index

57  
g-index

120  
ext. papers

4,106  
ext. citations

2.8  
avg, IF

5.31  
L-index

#	Paper	IF	Citations
111	Neurophysiological and behavioral effects of tDCS combined with constraint-induced movement therapy in poststroke patients. <i>Neurorehabilitation and Neural Repair</i> , <b>2011</b> , 25, 819-29	4.7	214
110	A multicenter international study on the Spinal Cord Independence Measure, version III: Rasch psychometric validation. <i>Spinal Cord</i> , <b>2007</b> , 45, 275-91	2.7	214
109	Behavioral assessment of unilateral neglect: study of the psychometric properties of the Catherine Bergego Scale. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2003</b> , 84, 51-7	2.8	214
108	Assessing and adjusting for cross-cultural validity of impairment and activity limitation scales through differential item functioning within the framework of the Rasch model: the PRO-ESOR project. <i>Medical Care</i> , <b>2004</b> , 42, 137-48	3.1	210
107	Measuring behaviours and perceptions: Rasch analysis as a tool for rehabilitation research. <i>Journal of Rehabilitation Medicine</i> , <b>2003</b> , 35, 105-15	3.4	203
106	The ABILHAND questionnaire as a measure of manual ability in chronic stroke patients: Rasch-based validation and relationship to upper limb impairment. <i>Stroke</i> , <b>2001</b> , 32, 1627-34	6.7	196
105	Trunk control test as an early predictor of stroke rehabilitation outcome. <i>Stroke</i> , <b>1997</b> , 28, 1382-5	6.7	170
104	ABILHAND: a Rasch-built measure of manual ability. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>1998</b> , 79, 1038-42	2.8	155
103	Depression is the main determinant of quality of life in multiple sclerosis: a classification-regression (CART) study. <i>Disability and Rehabilitation</i> , <b>2006</b> , 28, 307-14	2.4	118
102	The use of outcome measures in physical medicine and rehabilitation within Europe. <i>Journal of Rehabilitation Medicine</i> , <b>2001</b> , 33, 273-8	3.4	91
101	Rehabilitating patients with left spatial neglect by prism exposure during a visuomotor activity. <i>Neuropsychology</i> , <b>2010</b> , 24, 681-97	3.8	90
100	Reliability of four simple, quantitative tests of balance and mobility in healthy elderly females. <i>Aging Clinical and Experimental Research</i> , <b>1998</b> , 10, 26-31	4.8	84
99	Short form of the Dizziness Handicap Inventory: construction and validation through Rasch analysis. <i>American Journal of Physical Medicine and Rehabilitation</i> , <b>1999</b> , 78, 233-41	2.6	77
98	The 3-D motion of the centre of gravity of the human body during level walking. II. Lower limb amputees. <i>Clinical Biomechanics</i> , <b>1998</b> , 13, 83-90	2.2	59
97	The Motion of Body Center of Mass During Walking: A Review Oriented to Clinical Applications. <i>Frontiers in Neurology</i> , <b>2019</b> , 10, 999	4.1	56
96	Improving ideomotor limb apraxia by electrical stimulation of the left posterior parietal cortex. <i>Brain</i> , <b>2015</b> , 138, 428-39	11.2	52
95	Walk ratio (step length/cadence) as a summary index of neuromotor control of gait: application to multiple sclerosis. <i>International Journal of Rehabilitation Research</i> , <b>2011</b> , 34, 265-9	1.8	48

94	Cross-cultural validity of functional independence measure items in stroke: a study using Rasch analysis. <i>Journal of Rehabilitation Medicine</i> , <b>2005</b> , 37, 23-31	3.4	48
93	The 3-D motion of the centre of gravity of the human body during level walking. I. Normal subjects at low and intermediate walking speeds. <i>Clinical Biomechanics</i> , <b>1998</b> , 13, 77-82	2.2	45
92	SIAMOC position paper on gait analysis in clinical practice: General requirements, methods and appropriateness. Results of an Italian consensus conference. <i>Gait and Posture</i> , <b>2017</b> , 58, 252-260	2.6	44
91	Efficacy and Safety of Extracranial Vein Angioplasty in Multiple Sclerosis: A Randomized Clinical Trial. <i>JAMA Neurology</i> , <b>2018</b> , 75, 35-43	17.2	43
90	A unidimensional pain/disability measure for low-back pain syndromes. <i>Pain</i> , <b>1997</b> , 69, 269-278	8	42
89	The FIM instrument in the United States and Italy: a comparative study. <i>American Journal of Physical Medicine and Rehabilitation</i> , <b>2002</b> , 81, 168-76	2.6	40
88	Autotractor versus passive traction: an open controlled study in lumbar disc herniation. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>1993</b> , 74, 871-6	2.8	39
87	Cross-cultural validity of FIM in spinal cord injury. <i>Spinal Cord</i> , <b>2006</b> , 44, 746-52	2.7	38
86	Gait analysis on split-belt force treadmills: validation of an instrument. <i>American Journal of Physical Medicine and Rehabilitation</i> , <b>2008</b> , 87, 515-26	2.6	37
85	Observational case-control study of the prevalence of chronic cerebrospinal venous insufficiency in multiple sclerosis: results from the CoSMo study. <i>Multiple Sclerosis Journal</i> , <b>2013</b> , 19, 1508-17	5	35
84	The 3D path of body centre of mass during adult human walking on force treadmill. <i>Journal of Biomechanics</i> , <b>2010</b> , 43, 938-44	2.9	33
83	Pathological gaits: inefficiency is not a rule. <i>Clinical Biomechanics</i> , <b>1991</b> , 6, 47-50	2.2	33
82	Outcome measurement in behavioural sciences: a view on how to shift attention from means to individuals and why. <i>International Journal of Rehabilitation Research</i> , <b>2012</b> , 35, 1-12	1.8	31
81	Psychometric properties of the Mini-Mental State Examination in patients with acquired brain injury in Turkey. <i>Journal of Rehabilitation Medicine</i> , <b>2005</b> , 37, 306-11	3.4	30
80	Spinal Cord Independence Measure, version III: applicability to the UK spinal cord injured population. <i>Journal of Rehabilitation Medicine</i> , <b>2009</b> , 41, 723-8	3.4	29
79	Psychometric properties of the Rivermead Mobility Index in Italian stroke rehabilitation inpatients. <i>Clinical Rehabilitation</i> , <b>2003</b> , 17, 273-82	3.3	27
78	Flexible electrogoniometers: kinesiological advantages with respect to potentiometric goniometers. <i>Clinical Biomechanics</i> , <b>1995</b> , 10, 275-277	2.2	26
77	Home-based palliative approach for people with severe multiple sclerosis and their carers: study protocol for a randomized controlled trial. <i>Trials</i> , <b>2015</b> , 16, 184	2.8	24

76	Restoration of gait with orthoses in thoracic paraplegia: a multicentric investigation. <i>Spinal Cord</i> , <b>1994</b> , 32, 608-15	2.7	23
75	Generic ABILHAND questionnaire can measure manual ability across a variety of motor impairments. <i>International Journal of Rehabilitation Research</i> , <b>2011</b> , 34, 131-40	1.8	22
74	Satisfaction with hospital rehabilitation: is it related to life satisfaction, functional status, age or education?. <i>Journal of Rehabilitation Medicine</i> , <b>2002</b> , 34, 105-8	3.4	19
73	The influence of age on length of stay, functional independence and discharge destination of rehabilitation inpatients in Italy. <i>Disability and Rehabilitation</i> , <b>1996</b> , 18, 502-8	2.4	19
72	The 3D trajectory of the body centre of mass during adult human walking: evidence for a speed-curvature power law. <i>Journal of Biomechanics</i> , <b>2011</b> , 44, 732-40	2.9	18
71	Measuring standing balance in adults: reliability and minimal real difference of 14 instrumental measures. <i>International Journal of Rehabilitation Research</i> , <b>2013</b> , 36, 362-74	1.8	17
70	Life Satisfaction Index: Italian version and validation of a short form. <i>American Journal of Physical Medicine and Rehabilitation</i> , <b>1999</b> , 78, 509-15	2.6	15
69	Italian multicentre observational study of the prevalence of CCSVI in multiple sclerosis (CoSMo study): rationale, design, and methodology. <i>Neurological Sciences</i> , <b>2013</b> , 34, 1297-307	3.5	14
68	How should we use the visual analogue scale (VAS) in rehabilitation outcomes? I: How much of what? The seductive VAS numbers are not true measures. <i>Journal of Rehabilitation Medicine</i> , <b>2012</b> , 44, 798-9; discussion 803-4	3.4	14
67	The subjective visual vertical: validation of a simple test. <i>International Journal of Rehabilitation Research</i> , <b>2011</b> , 34, 307-15	1.8	14
66	RTW in back conditions. <i>Disability and Rehabilitation</i> , <b>2007</b> , 29, 1377-85	2.4	14
65	Efficacy and safety of venous angioplasty of the extracranial veins for multiple sclerosis. Brave dreams study (brain venous drainage exploited against multiple sclerosis): study protocol for a randomized controlled trial. <i>Trials</i> , <b>2012</b> , 13, 183	2.8	13
64	Measurement in clinical vs. biological medicine: the Rasch model as a bridge on a widening gap. <i>Journal of Applied Measurement</i> , <b>2004</b> , 5, 362-6	0.3	13
63	Knee rotationplasty: motion of the body centre of mass during walking. <i>International Journal of Rehabilitation Research</i> , <b>2016</b> , 39, 346-353	1.8	12
62	Reliability of muscle strength testing quantified by the intraclass correlation coefficient. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2002</b> , 83, 582	2.8	12
61	Transient palsy of hip abductors after a fall on the buttocks. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>1990</b> , 109, 164-5	3.6	12
60	Functional assessment in rehabilitative medicine: principles and methods. <i>Europa Medicophysica</i> , <b>2007</b> , 43, 515-23		12
59	Gait analysis on force treadmill in children: comparison with results from ground-based force platforms. <i>International Journal of Rehabilitation Research</i> , <b>2017</b> , 40, 315-324	1.8	11

58	Don't touch the physical in "physical and rehabilitation medicine". <i>Acta Dermato-Venereologica</i> , <b>2007</b> , 39, 662-3	2.2	11
57	Use of Rasch analysis to refine a patient-reported questionnaire on satisfaction with communication of the multiple sclerosis diagnosis. <i>Multiple Sclerosis Journal</i> , <b>2014</b> , 20, 1224-33	5	10
56	Rehabilitation: the Cinderella of neurological research? A bibliometric study. <i>Italian Journal of Neurological Sciences</i> , <b>1995</b> , 16, 473-7		10
55	Coordination of Cyclic Coupled Movements of Hand and Foot in Normal Subjects and on the Healthy Side of Hemiplegic Patients <b>1994</b> , 229-242		9
54	MINDFIM: a measure of disability in high-functioning traumatic brain injury outpatients. <i>Brain Injury</i> , <b>2006</b> , 20, 913-25	2.1	8
53	Spinal cord lesion after penicillin gluteal injection. <i>Spinal Cord</i> , <b>1992</b> , 30, 442-4	2.7	8
52	Crouch gait can be an effective form of forced-use/no constraint exercise for the paretic lower limb in stroke. <i>International Journal of Rehabilitation Research</i> , <b>2017</b> , 40, 254-267	1.8	7
51	Quality of life measurement: one size fits all. Rehabilitation medicine makes no exception. <i>Journal of Medicine and the Person</i> , <b>2009</b> , 7, 5-9		7
50	The illness-disease dichotomy and the biological-clinical splitting of medicine. <i>Medical Humanities</i> , <b>2021</b> , 47, 507-512	1.4	7
49	Bimanual dexterity assessment: validation of a revised form of the turning subtest from the Minnesota Dexterity Test. <i>International Journal of Rehabilitation Research</i> , <b>2016</b> , 39, 57-62	1.8	7
48	Limping on split-belt treadmills implies opposite kinematic and dynamic lower limb asymmetries. <i>International Journal of Rehabilitation Research</i> , <b>2018</b> , 41, 304-315	1.8	7
47	Rehabilitation and outcome measurement: where is Rasch analysis-going?. <i>Europa Medicophysica</i> , <b>2007</b> , 43, 417-26		7
46	Multisensory stimulation for the rehabilitation of unilateral spatial neglect. <i>Neuropsychological Rehabilitation</i> , <b>2021</b> , 31, 1410-1443	3.1	6
45	APAs Constraints to Voluntary Movements: The Case for Limb Movements Coupling. <i>Frontiers in Human Neuroscience</i> , <b>2017</b> , 11, 152	3.3	6
44	Surgical leg rotation: cortical neuroplasticity assessed through brain mapping using transcranial magnetic stimulation. <i>International Journal of Rehabilitation Research</i> , <b>2014</b> , 37, 323-33	1.8	6
43	Functional mobility measures in older adults after hip fracture. <i>American Journal of Physical Medicine and Rehabilitation</i> , <b>2003</b> , 82, 901-2	2.6	6
42	Three-dimensional path of the body centre of mass during walking in children: an index of neural maturation. <i>International Journal of Rehabilitation Research</i> , <b>2019</b> , 42, 112-119	1.8	6
41	A new grading for easy and concise description of functional status after spinal cord lesions. <i>Spinal Cord</i> , <b>2012</b> , 50, 42-50	2.7	5

40	6.3B Scientific background of physical and rehabilitation medicine: Specificity of a clinical science. <i>The Journal of the International Society of Physical and Rehabilitation Medicine</i> , <b>2019</b> , 2, 113	0.6	5
39	Phonemic fluency improved after inhibitory transcranial magnetic stimulation in a case of chronic aphasia. <i>International Journal of Rehabilitation Research</i> , <b>2019</b> , 42, 92-95	1.8	5
38	Level of Activity in Profound/Severe Mental Retardation (LAPMER): a Rasch-derived scale of disability. <i>Journal of Applied Measurement</i> , <b>2002</b> , 3, 50-84	0.3	5
37	Alternative medicines: yes; alternatives to medicine: no. <i>American Journal of Physical Medicine and Rehabilitation</i> , <b>2013</b> , 92, 542-5	2.6	4
36	How specific is a medical speciality? A semiserious game to test your understanding of physical and rehabilitation medicine. <i>International Journal of Rehabilitation Research</i> , <b>2012</b> , 35, 378-81	1.8	4
35	The cause of back pain and sciatica may be a venous matter too. <i>Rheumatology</i> , <b>1991</b> , 30, 70-1	3.9	4
34	Individualized Coaching After Stroke Does Not Work: How Much or Which One?. <i>American Journal of Physical Medicine and Rehabilitation</i> , <b>2020</b> , 99, e3-e6	2.6	3
33	Electromyographic latency of postural evoked responses from the leg muscles during EquiTest Computerised Dynamic Posturography: Reference data on healthy subjects. <i>Journal of Electromyography and Kinesiology</i> , <b>2014</b> , 24, 126-33	2.5	3
32	The good-hearted and the clever: clinical medicine at the bottom of the barrel of science. <i>Journal of Medicine and the Person</i> , <b>2010</b> , 8, 103-111		3
31	EMG-Feedback from two muscles in postural reactions: A new pocket device for the patient-therapist pair. <i>Journal of Electromyography and Kinesiology</i> , <b>1996</b> , 6, 277-9	2.5	3
30	Frequency coding of input signal transients in alpha motoneurons of cat. <i>Brain Research</i> , <b>1979</b> , 160, 155-8	3.7	3
29	Ground Walking in Chronic Complete Spinal Cord Injury: Does Epidural Stimulation Allow "Awakening" of Corticospinal Circuits? A Wide-Ranging Epistemic Criticism. <i>American Journal of Physical Medicine and Rehabilitation</i> , <b>2021</b> , 100, e43-e47	2.6	3
28	Physical and rehabilitation medicine targets relational organs. <i>International Journal of Rehabilitation Research</i> , <b>2020</b> , 43, 193-194	1.8	3
27	A theoretical framework to improve the construct for chronic pain disorders using fibromyalgia as an example. <i>Therapeutic Advances in Musculoskeletal Disease</i> , <b>2021</b> , 13, 1759720X20966490	3.8	3
26	Velocity of the Body Center of Mass During Walking on Split-Belt Treadmill. <i>American Journal of Physical Medicine and Rehabilitation</i> , <b>2021</b> , 100, 620-624	2.6	3
25	Crying spells triggered by thumb-index rubbing after thalamic stroke: a case report. <i>BMC Research Notes</i> , <b>2017</b> , 10, 109	2.3	2
24	Measuring voluntary activation of the Quadriceps femoris during isokinetic concentric contractions. <i>Isokinetics and Exercise Science</i> , <b>2019</b> , 27, 125-134	0.6	2
23	A model for fatigue generation and exercise prescription in multiple sclerosis patients. <i>Neurological Sciences</i> , <b>2006</b> , 27, s300-s303	3.5	2

22	Mobility scales for lower limb-prosthetic patient: the locomotor capabilities index. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2002</b> , 83, 582-3; author reply 583	2.8	2
21	From neuroplastic potential to actual recovery after stroke: a call for cooperation between drugs and exercise. <i>Aging Clinical and Experimental Research</i> , <b>1991</b> , 3, 97-8	4.8	2
20	The curvature peaks of the trajectory of the body centre of mass during walking: A new index of dynamic balance. <i>Journal of Biomechanics</i> , <b>2021</b> , 123, 110486	2.9	2
19	rTMS can improve post-stroke apraxia of speech. A case study. <i>Brain Stimulation</i> , <b>2019</b> , 12, 380-382	5.1	2
18	Rasch analysis: valid, useful, or both?. <i>European Journal of Physical and Rehabilitation Medicine</i> , <b>2008</b> , 44, 365-6	4.4	2
17	How motoneurons control velocity of tension development. <i>Journal of Physiology</i> , <b>2020</b> , 598, 1109-1110	0.9	1
16	Ataxia and imbalance in multiple sclerosis	201-214	1
15	Autotractor treatment for low-back pain in pregnancy: a pilot study. <i>Clinical Rehabilitation</i> , <b>1994</b> , 8, 314-319	3.3	1
14	Kinematic patterns during walking in children: Application of principal component analysis. <i>Human Movement Science</i> , <b>2021</b> , 80, 102892	2.4	1
13	COVID-19 pandemic: why time-dependent rehabilitation is forgotten. <i>International Journal of Rehabilitation Research</i> , <b>2021</b> , 44, 1-2	1.8	1
12	Quadriceps activation during maximal isometric and isokinetic contractions: The minimal real difference and its implications. <i>Isokinetics and Exercise Science</i> , <b>2021</b> , 29, 277-289	0.6	1
11	Funding Medical Research Projects: Taking into Account Referees' Severity and Consistency through Many-Faceted Rasch Modeling of Projects' Scores. <i>Journal of Applied Measurement</i> , <b>2015</b> , 16, 129-52	0.3	1
10	Balance Impairment in Fahr's Disease: Mixed Signs of Parkinsonism and Cerebellar Disorder. A Case Study. <i>Frontiers in Human Neuroscience</i> , <b>2022</b> , 16, 832170	3.3	1
9	Comments on the Spinal Cord Ability Ruler. <i>Spinal Cord</i> , <b>2018</b> , 56, 523-524	2.7	0
8	Efficacy of Repetitive Transcranial Magnetic Stimulation for Acute Central Post-stroke Pain: A Case Study. <i>Frontiers in Neurology</i> , <b>2021</b> , 12, 742567	4.1	0
7	Dynamic Asymmetries Do Not Match Spatiotemporal Step Asymmetries during Split-Belt Walking. <i>Symmetry</i> , <b>2021</b> , 13, 1089	2.7	0
6	Inpatient Rehabilitation Units: Age and Comorbidities Are Not Relevant if Admission Fits the Mission. <i>Practical Issues in Geriatrics</i> , <b>2018</b> , 521-529	0.1	
5	Case-mix in rehabilitation: a useful way to achieve a specific goal. <i>Clinical Rehabilitation</i> , <b>2000</b> , 14, 112-4	3.3	

- 4 Reply from DR L Tesio MD. *Spinal Cord*, **1995**, 33, 740-740 2.7
- 3 Role of neurological research in rehabilitation after central nervous system diseases. *Italian Journal of Neurological Sciences*, **1996**, 17, 255-6
- 2 Rasch-derived latent trait measurement of outcomes: insightful use leads to precision case management and evidence-based practices in functional healthcare. *Journal of Applied Measurement*, **2010**, 11, 230-43 0.3
- 1 Holism and Reductionism in the Illness/Disease Debate. *The Frontiers Collection*, **2022**, 743-778 0.3