

# Roberto Gatti

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

2,451  
citations

236925

25  
h-index

233421

45  
g-index

79  
all docs

79  
docs citations

79  
times ranked

3742  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rehabilitation that incorporates virtual reality is more effective than standard rehabilitation for improving walking speed, balance and mobility after stroke: a systematic review. <i>Journal of Physiotherapy</i> , 2015, 61, 117-124.	1.7	236
2	Brain structural and functional connectivity in <sc>P</sc>arkinson's disease with freezing of gait. <i>Human Brain Mapping</i> , 2015, 36, 5064-5078.	3.6	154
3	Intraâ€arterial transplantation of <sc>HLA</sc> â€matched donor mesoangioblasts in Duchenne muscular dystrophy. <i>EMBO Molecular Medicine</i> , 2015, 7, 1513-1528.	6.9	146
4	Action observation versus motor imagery in learning a complex motor task: A short review of literature and a kinematics study. <i>Neuroscience Letters</i> , 2013, 540, 37-42.	2.1	128
5	Constraint-induced movement therapy for upper extremities in stroke patients. , 2009, , CD004433.		115
6	Constraint-induced movement therapy for upper extremities in people with stroke. <i>The Cochrane Library</i> , 2017, 2017, CD004433.	2.8	106
7	Brain plasticity in Parkinsonâ€™s disease with freezing of gait induced by action observation training. <i>Journal of Neurology</i> , 2017, 264, 88-101.	3.6	101
8	Testâ€retest reliability of pain extent and pain location using a novel method for pain drawing analysis. <i>European Journal of Pain</i> , 2015, 19, 1129-1138.	2.8	84
9	Action observation treatment improves autonomy in daily activities in Parkinson's disease patients: Results from a pilot study. <i>Movement Disorders</i> , 2011, 26, 1963-1964.	3.9	78
10	Action observation training to improve motor function recovery: a systematic review. <i>Archives of Physiotherapy</i> , 2015, 5, 14.	1.8	77
11	Motor Learning in Healthy Humans Is Associated to Gray Matter Changes: A Tensor-Based Morphometry Study. <i>PLoS ONE</i> , 2010, 5, e10198.	2.5	68
12	Action observation and motor imagery in performance of complex movements: Evidence from EEG and kinematics analysis. <i>Behavioural Brain Research</i> , 2015, 281, 290-300.	2.2	62
13	Intra-rater reliability of an experienced physiotherapist in locating myofascial trigger points in upper trapezius muscle. <i>Journal of Manual and Manipulative Therapy</i> , 2012, 20, 171-177.	1.2	57
14	Quantitative muscle strength assessment in duchenne muscular dystrophy: longitudinal study and correlation with functional measures. <i>BMC Neurology</i> , 2012, 12, 91.	1.8	52
15	Efficacy of Trunk Balance Exercises for Individuals With Chronic Low Back Pain: A Randomized Clinical Trial. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2011, 41, 542-552.	3.5	50
16	Longitudinal <sc>MRI</sc> quantification of muscle degeneration in Duchenne muscular dystrophy. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 607-622.	3.7	50
17	Efficacy of Muscle Exercise in Patients with Muscular Dystrophy: A Systematic Review Showing a Missed Opportunity to Improve Outcomes. <i>PLoS ONE</i> , 2013, 8, e65414.	2.5	50
18	Aerobic and resistance training effects compared to aerobic training alone in obese type 2 diabetic patients on diet treatment. <i>Diabetes Research and Clinical Practice</i> , 2011, 94, 395-403.	2.8	47

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19	The effect of action observation/execution on mirror neuron system recruitment: an fMRI study in healthy individuals. <i>Brain Imaging and Behavior</i> , 2017, 11, 565-576.	2.1	47
20	Myofascial trigger points and innervation zone locations in upper trapezius muscles. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 179.	1.9	43
21	The role of mirror mechanism in the recovery, maintenance, and acquisition of motor abilities. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 127, 404-423.	6.1	40
22	Flexible electrogoniometers: kinesiological advantages with respect to potentiometric goniometers. <i>Clinical Biomechanics</i> , 1995, 10, 275-277.	1.2	37
23	Influence of task complexity during coordinated hand and foot movements in MS patients with and without fatigue. <i>Journal of Neurology</i> , 2009, 256, 470-482.	3.6	30
24	Reliability of surface EMG matrix in locating the innervation zone of upper trapezius muscle. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 827-833.	1.7	28
25	Training of Manual Actions Improves Language Understanding of Semantically Related Action Sentences. <i>Frontiers in Psychology</i> , 2012, 3, 547.	2.1	28
26	The disembodiment effect of negation: negating action-related sentences attenuates their interference on congruent upper limb movements. <i>Journal of Neurophysiology</i> , 2013, 109, 1782-1792.	1.8	27
27	Sensory trick phenomenon in cervical dystonia: a functional MRI study. <i>Journal of Neurology</i> , 2020, 267, 1103-1115.	3.6	27
28	Functional and structural plasticity following action observation training in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019, 25, 1472-1487.	3.0	26
29	Effects of different classroom temperatures on cardiac autonomic control and cognitive performances in undergraduate students. <i>Physiological Measurement</i> , 2019, 40, 054005.	2.1	26
30	Gait analysis in patients after bilateral versus unilateral total hip arthroplasty. <i>Gait and Posture</i> , 2019, 72, 46-50.	1.4	24
31	Brain motor functional changes after somatosensory discrimination training. <i>Brain Imaging and Behavior</i> , 2018, 12, 1011-1021.	2.1	22
32	Impact of fatigue on the efficacy of rehabilitation in multiple sclerosis. <i>Journal of Neurology</i> , 2011, 258, 835-839.	3.6	21
33	Validation of the Treadmill Six-Minute Walk Test in People Following Cardiac Surgery. <i>Physical Therapy</i> , 2011, 91, 566-576.	2.4	21
34	Influence of body segment position during in-phase and antiphase hand and foot movements: A kinematic and functional MRI study. <i>Human Brain Mapping</i> , 2007, 28, 218-227.	3.6	20
35	Improving Hand Functional Use in Subjects with Multiple Sclerosis Using a Musical Keyboard: A Randomized Controlled Trial. <i>Physiotherapy Research International</i> , 2015, 20, 100-107.	1.5	20
36	The association between patient participation and functional gain following inpatient rehabilitation. <i>Ageing Clinical and Experimental Research</i> , 2017, 29, 729-736.	2.9	17

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37	Conservative Treatment and Percutaneous Pain Relief Techniques in Patients with Lumbar Spinal Stenosis: WFNS Spine Committee Recommendations. <i>World Neurosurgery</i> : X, 2020, 7, 100079.	1.1	16
38	Functional and postural recovery after bilateral or unilateral total hip arthroplasty. <i>Journal of Electromyography and Kinesiology</i> , 2019, 48, 205-211.	1.7	15
39	Can action observation modulate balance performance in healthy subjects?. <i>Archives of Physiotherapy</i> , 2019, 9, 1.	1.8	15
40	Efficacy and Characteristics of the Stimuli of Action Observation Therapy in Subjects With Parkinson's Disease: A Systematic Review. <i>Frontiers in Neurology</i> , 2020, 11, 808.	2.4	15
41	Can strenuous exercise harm the heart? Insights from a study of cardiovascular neural regulation in amateur triathletes. <i>PLoS ONE</i> , 2019, 14, e0216567.	2.5	14
42	Conservative vs. surgical approach for degenerative meniscal injuries: a systematic review of clinical evidence. <i>European Review for Medical and Pharmacological Sciences</i> , 2020, 24, 2874-2885.	0.7	14
43	The Location of Peak Upper Trapezius Muscle Activity During Submaximal Contractions is not Associated With the Location of Myofascial Trigger Points. <i>Clinical Journal of Pain</i> , 2016, 32, 1044-1052.	1.9	13
44	Action observation training modifies brain gray matter structure in healthy adult individuals. <i>Brain Imaging and Behavior</i> , 2017, 11, 1343-1352.	2.1	12
45	Balance exercise in patients with chronic sensory ataxic neuropathy: a pilot study. <i>Journal of the Peripheral Nervous System</i> , 2014, 19, 145-151.	3.1	11
46	Predictors of effectiveness of multidisciplinary rehabilitation treatment on motor dysfunction in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2014, 20, 862-870.	3.0	11
47	Cortical Motor Circuits after Piano Training in Adulthood: Neurophysiologic Evidence. <i>PLoS ONE</i> , 2016, 11, e0157526.	2.5	11
48	Cognitive training with action-related verbs induces neural plasticity in the action representation system as assessed by gray matter brain morphometry. <i>Neuropsychologia</i> , 2018, 114, 186-194.	1.6	11
49	Persistence of congenital mirror movements after hemiplegic stroke. <i>American Journal of Neuroradiology</i> , 2005, 26, 831-4.	2.4	10
50	Effects of coupled upper limbs movements on postural stabilisation. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 1222-1228.	1.7	9
51	Has the Italian Academia Missed an Opportunity?. <i>Physical Therapy</i> , 2014, 94, 1358-1360.	2.4	9
52	Dispersion of helical axes during shoulder movements in young and elderly subjects. <i>Journal of Biomechanics</i> , 2019, 88, 72-77.	2.1	9
53	Does walking the day of total hip arthroplasty speed up functional independence? A non-randomized controlled study. <i>Archives of Physiotherapy</i> , 2020, 10, 8.	1.8	9
54	Static and dynamic pelvic kinematics after one-stage bilateral or unilateral total hip arthroplasty. <i>HIP International</i> , 2021, 31, 729-734.	1.7	7

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55	Constraint-induced movement therapy: trial sequential analysis applied to Cochrane collaboration systematic review results. <i>Trials</i> , 2014, 15, 512.	1.6	6
56	Constraint-Induced Movement Therapy for Upper Extremities in People With Stroke. <i>Stroke</i> , 2016, 47, .	2.0	6
57	Dispersion of knee helical axes during walking in young and elderly healthy subjects. <i>Journal of Biomechanics</i> , 2020, 109, 109944.	2.1	6
58	Evaluation and training of hands and feet movements performed with different strategies: A kinematic study. <i>Clinical Neurology and Neurosurgery</i> , 2011, 113, 218-223.	1.4	5
59	Finite helical axis for the analysis of joint kinematics: comparison of an electromagnetic and an optical motion capture system. <i>Archives of Physiotherapy</i> , 2015, 5, 8.	1.8	5
60	Teaching how to improve activities and participation of elderly subjects: the carelessness of the Italian Academia shown by the national qualification for physiotherapists. <i>Aging Clinical and Experimental Research</i> , 2015, 27, 243-244.	2.9	5
61	Capsulectomy vs capsulotomy in total hip arthroplasty. Clinical outcomes and proprioception evaluation: Study protocol for a randomized, controlled, double blinded trial. <i>Journal of Orthopaedics</i> , 2019, 16, 526-533.	1.3	5
62	EMG-Feedback from two muscles in postural reactions: A new pocket device for the patient-therapist pair. <i>Journal of Electromyography and Kinesiology</i> , 1996, 6, 277-279.	1.7	4
63	Constraint-Induced Movement Therapy for Upper Extremities in Patients With Stroke. <i>Stroke</i> , 2010, 41, .	2.0	4
64	Development of the Italian version of the Consultation and Relational Empathy (CARE) measure: translation, internal reliability, and construct validity in patients undergoing rehabilitation after total hip and knee arthroplasty. <i>Disability and Rehabilitation</i> , 2022, , 1-6.	1.8	3
65	Mapping brain structure and function in professional fencers: A model to study training effects on central nervous system plasticity. <i>Human Brain Mapping</i> , 2022, 43, 3375-3385.	3.6	3
66	Motion analysis after total knee arthroplasty. <i>Sport Sciences for Health</i> , 2008, 4, 1-6.	1.3	2
67	From a national to an international journal: a new opportunity for the physiotherapy community. <i>Archives of Physiotherapy</i> , 2015, 5, 1.	1.8	2
68	Dispersion of shoulder helical axes during upper limb movements after muscle fatigue. <i>Journal of Biomechanics</i> , 2020, 113, 110075.	2.1	2
69	Neuromuscular activation of quadriceps bellies during tasks performed in the same biomechanical condition in patients undergoing total knee arthroplasty. <i>Journal of Electromyography and Kinesiology</i> , 2022, 64, 102659.	1.7	2
70	Enriched environment or enriched therapy? Time for clarification. <i>Physiotherapy Theory and Practice</i> , 2020, 36, 1175-1178.	1.3	1
71	A two-year multicenter point prevalence study of older patients with hip fractures admitted to rehabilitation units in Italy. <i>European Geriatric Medicine</i> , 2020, 11, 573-580.	2.8	1
72	Association among patient satisfaction, functional outcomes, and physiotherapy approaches after arthroscopic rotator cuff repair. <i>Journal of Arthroscopy and Joint Surgery</i> , 2020, 7, 78-81.	0.3	1

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73	Efficacy and characteristics of physiotherapy interventions in patients with lumbar spinal stenosis: a systematic review. <i>European Spine Journal</i> , 2022, 31, 1370-1390.	2.2	1
74	Dispersion of Knee Helical Axes during Walking after Maximal versus Resistant Strength Training in Healthy Subjects. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5850.	2.5	1
75	Electromyographic activity of the rectus abdominis muscle during exercise performed with the AB Slider. <i>Sport Sciences for Health</i> , 2006, 1, 109-112.	1.3	0
76	Electromyographic activity to keep a lower limb in a raised position in healthy subjects and subjects with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2008, 14, 691-693.	3.0	0
77	P4.35 Outcome measures validation study for mesoangioblasts transplantation in children affected by Duchenne muscular dystrophy. <i>Neuromuscular Disorders</i> , 2010, 20, 668-669.	0.6	0
78	5th National Congress of the Italian Society of Physiotherapy. <i>Archives of Physiotherapy</i> , 2016, 6, .	1.8	0