Manuela Galli

List of Publications by Citations

216 papers	3,863 citations	34 h-index	51 g-index
231 ext. papers	4,663 ext. citations	2.9 avg, IF	5.45 L-index

#	Paper	IF	Citations
216	Summary measures for clinical gait analysis: a literature review. *Gait and Posture*, **2014**, 39, 1005-10	2.6	149
215	Biomechanical analysis of sit-to-stand movement in normal and obese subjects. *Clinical Biomechanics*, **2003**, 18, 745-50	2.2	140
214	Joint stiffness and gait pattern evaluation in children with Down syndrome. *Gait and Posture*, **2008**, 28, 502-6	2.6	108
213	Gender-specific effect of obesity on balance. *Obesity*, **2009**, 17, 1951-6	8	107
212	Quantitative analysis of sit to stand movement: experimental set-up definition and application to healthy and hemiplegic adults. *Gait and Posture*, **2008**, 28, 80-5	2.6	97
211	Postural control in patients with Down syndrome. *Disability and Rehabilitation*, **2008**, 30, 1274-8	2.4	91
210	Postural control in children, teenagers and adults with Down syndrome. *Research in Developmental Disabilities*, **2011**, 32, 170-5	2.7	77
209	Use of the normalcy index for the evaluation of gait pathology. *Gait and Posture*, **2004**, 19, 85-90	2.6	77
208	Effect of transcranial direct-current stimulation combined with treadmill training on balance and functional performance in children with cerebral palsy: a double-blind randomized controlled trial. *PLoS ONE*, **2014**, 9, e105777	3.7	68
207	Gait development during lifespan in subjects with Down syndrome. *Research in Developmental Disabilities*, **2011**, 32, 158-63	2.7	64
206	Gait patterns in Prader-Willi and Down syndrome patients. *Journal of NeuroEngineering and Rehabilitation*, **2010**, 7, 28	5.3	64
205	Transcranial direct current stimulation during treadmill training in children with cerebral palsy: a randomized controlled double-blind clinical trial. *Research in Developmental Disabilities*, **2014**, 35, 2840-8	2.7	63
204	Effect of obesity and low back pain on spinal mobility: a cross sectional study in women. *Journal of NeuroEngineering and Rehabilitation*, **2010**, 7, 3	5.3	63
203	Effects of anodal transcranial direct current stimulation combined with virtual reality for improving gait in children with spastic diparetic cerebral palsy: a pilot, randomized, controlled, double-blind, clinical trial. *Clinical Rehabilitation*, **2015**, 29, 1212-23	3.3	59
202	Effect of Ankle-foot Orthosis on Gait Velocity and Cadence of Stroke Patients: A Systematic Review. *Journal of Physical Therapy Science*, **2013**, 25, 1503-8	1	59
201	Clinical implications of gait analysis in the rehabilitation of adult patients with "Prader-Willi" Syndrome: a cross-sectional comparative study ("Prader-Willi" Syndrome vs matched obese patients and healthy subjects). *Journal of NeuroEngineering and Rehabilitation*, **2007**, 4, 14	5.3	59
200	Strength characterization of knee flexor and extensor muscles in Prader-Willi and obese patients. *BMC Musculoskeletal Disorders*, **2009**, 10, 47	2.8	55

199	Direct-acting antivirals in hepatitis C virus (HCV)-infected and HCV/HIV-coinfected patients: real-life safety and efficacy. *HIV Medicine*, **2017**, 18, 284-291	2.7	54
198	Sit-to-stand movement analysis in obese subjects. *International Journal of Obesity*, **2000**, 24, 1488-92	5.5	54
197	Quantitative evaluation of functional limitation of upper limb movements in subjects affected by ataxia. *European Journal of Neurology*, **2009**, 16, 232-9	6	53
196	Novel characterization of gait impairments in people with multiple sclerosis by means of the gait profile score. *Journal of the Neurological Sciences*, **2014**, 345, 159-63	3.2	43
195	3D Tracking of Human Motion Using Visual Skeletonization and Stereoscopic Vision. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 181	5.8	42
194	Robot-assisted walking training for individuals with Parkinson's disease: a pilot randomized controlled trial. *BMC Neurology*, **2013**, 13, 50	3.1	42
193	Gait strategy in patients with Ehlers-Danlos syndrome hypermobility type and Down syndrome. *Research in Developmental Disabilities*, **2012**, 33, 1437-42	2.7	42
192	Use of the gait profile score for the evaluation of patients with joint hypermobility syndrome/Ehlers-Danlos syndrome hypermobility type. *Research in Developmental Disabilities*, **2013**, 34, 4280-5	2.7	40
191	Effect of a single session of transcranial direct-current stimulation on balance and spatiotemporal gait variables in children with cerebral palsy: A randomized sham-controlled study. *Brazilian Journal of Physical Therapy*, **2014**, 18, 419-27	3.7	40
190	Postural strategies in Prader-Willi and Down syndrome patients. *Research in Developmental Disabilities*, **2011**, 32, 669-73	2.7	39
189	Measuring regularity of human postural sway using approximate entropy and sample entropy in patients with Ehlers-Danlos syndrome hypermobility type. *Research in Developmental Disabilities*, **2013**, 34, 840-6	2.7	38
188	Use of the Gait Deviation Index for the assessment of gastrocnemius fascia lengthening in children with Cerebral Palsy. *Research in Developmental Disabilities*, **2011**, 32, 377-81	2.7	38
187	Constraint-induced movement therapy for children with hemiplegia after traumatic brain injury: a quantitative study. *Journal of Head Trauma Rehabilitation*, **2012**, 27, 177-87	3	38
186	Center of pressure displacements during gait initiation in individuals with obesity. *Journal of NeuroEngineering and Rehabilitation*, **2014**, 11, 82	5.3	37
185	Postural analysis in time and frequency domains in patients with Ehlers-Danlos syndrome. *Research in Developmental Disabilities*, **2011**, 32, 322-5	2.7	36
184	3D gait analysis in patients with hereditary spastic paraparesis and spastic diplegia: a kinematic, kinetic and EMG comparison. *European Journal of Paediatric Neurology*, **2011**, 15, 138-45	3.8	35
183	Gait evaluation using inertial measurement units in subjects with Parkinson's disease. *Journal of Electromyography and Kinesiology*, **2018**, 42, 44-48	2.5	34
182	Whole-body vibration training in obese subjects: A systematic review. *PLoS ONE*, **2018**, 13, e0202866	3.7	33

181	Osteopathic manipulative treatment in obese patients with chronic low back pain: a pilot study. *Manual Therapy*, **2012**, 17, 451-5		32
180	Gait patterns in hemiplegic children with Cerebral Palsy: comparison of right and left hemiplegia. *Research in Developmental Disabilities*, **2010**, 31, 1340-5	2.7	32
179	Three dimensional motion capture applied to violin playing: A study on feasibility and characterization of the motor strategy. *Computer Methods and Programs in Biomedicine*, **2017**, 149, 19-27	6.9	31
178	The effects of low arched feet on foot rotation during gait in children with Down syndrome. *Journal of Intellectual Disability Research*, **2014**, 58, 758-64	3.2	30
177	Relationship between flat foot condition and gait pattern alterations in children with Down syndrome. *Journal of Intellectual Disability Research*, **2014**, 58, 269-76	3.2	30
176	The Parkinsonian Gait Spatiotemporal Parameters Quantified by a Single Inertial Sensor before and after Automated Mechanical Peripheral Stimulation Treatment. *Parkinson's Disease*, **2015**, 2015, 390512	2.6	30
175	Gait strategy in patients with Ehlers-Danlos syndrome hypermobility type: a kinematic and kinetic evaluation using 3D gait analysis. *Research in Developmental Disabilities*, **2011**, 32, 1663-8	2.7	30
174	Effectiveness of a 6-month home-based training program in Prader-Willi patients. *Research in Developmental Disabilities*, **2010**, 31, 1373-9	2.7	30
173	Effects of obesity and chronic low back pain on gait. *Journal of NeuroEngineering and Rehabilitation*, **2011**, 8, 55	5.3	29
172	Effect of Transcranial Direct Current Stimulation Combined With Virtual Reality Training on Balance in Children With Cerebral Palsy: A Randomized, Controlled, Double-Blind, Clinical Trial. *Journal of Motor Behavior*, **2017**, 49, 329-336	1.4	27
171	The effects of muscle hypotonia and weakness on balance: a study on Prader-Willi and Ehlers-Danlos syndrome patients. *Research in Developmental Disabilities*, **2011**, 32, 1117-21	2.7	27
170	Foot-ground interaction during upright standing in children with Down syndrome. *Research in Developmental Disabilities*, **2012**, 33, 1881-7	2.7	26
169	Characterisation of balance capacity in Prader-Willi patients. *Research in Developmental Disabilities*, **2011**, 32, 81-6	2.7	26
168	Effect of transcranial direct current stimulation combined with gait and mobility training on functionality in children with cerebral palsy: study protocol for a double-blind randomized controlled clinical trial. *BMC Pediatrics*, **2013**, 13, 168	2.6	24
167	Robot-assisted gait training versus treadmill training in patients with Parkinson's disease: a kinematic evaluation with gait profile score. *Functional Neurology*, **2016**, 31, 163-70	2.2	24
166	Effect of virtual reality training on walking distance and physical fitness in individuals with Parkinson's disease. *NeuroRehabilitation*, **2018**, 42, 473-480	2	23
165	Effects of mechanical stimulation of the feet on gait and cardiovascular autonomic control in Parkinson's disease. *Journal of Applied Physiology*, **2014**, 116, 495-503	3.7	23
164	Timed Up and Go evaluation with wearable devices: Validation in Parkinson's disease. *Journal of Bodywork and Movement Therapies*, **2018**, 22, 390-395	1.6	23

163	Gait analysis and cerebral volumes in Down's syndrome. *Functional Neurology*, **2009**, 24, 147-52	2.2	23
162	Relationship between fatigue and gait abnormality in joint hypermobility syndrome/Ehlers-Danlos syndrome hypermobility type. *Research in Developmental Disabilities*, **2012**, 33, 1914-8	2.7	22
161	Clumsiness in fine motor tasks: evidence from the quantitative drawing evaluation of children with Down Syndrome. *Journal of Intellectual Disability Research*, **2015**, 59, 248-56	3.2	21
160	Neuromuscular taping for the upper limb in Cerebral Palsy: A case study in a patient with hemiplegia. *Developmental Neurorehabilitation*, **2014**, 17, 384-7	1.8	21
159	Effects of gastrocnemius fascia lengthening on gait pattern in children with cerebral palsy using the gait profile score. *Research in Developmental Disabilities*, **2014**, 35, 1137-43	2.7	21
158	Motor strategies and motor programs during an arm tapping task in adults with Down Syndrome. *Experimental Brain Research*, **2013**, 225, 333-8	2.3	21
157	Evaluation of balance and improvement of proprioception by repetitive muscle vibration in a 15-year-old girl with joint hypermobility syndrome. *Arthritis Care and Research*, **2011**, 63, 775-9	4.7	21
156	Multi-segmental movement patterns reflect juggling complexity and skill level. *Human Movement Science*, **2017**, 54, 144-153	2.4	20
155	Effects of a single session of transcranial direct current stimulation on upper limb movements in children with cerebral palsy: A randomized, sham-controlled study. *Developmental Neurorehabilitation*, **2017**, 20, 368-375	1.8	20
154	An optoelectronic based approach for handwriting capture. *Computer Methods and Programs in Biomedicine*, **2013**, 111, 357-65	6.9	20
153	Movement analysis and EEG recordings in children with hemiplegic cerebral palsy. *Experimental Brain Research*, **2012**, 223, 517-24	2.3	19
152	Fractal dimension approach in postural control of subjects with Prader-Willi Syndrome. *Journal of NeuroEngineering and Rehabilitation*, **2011**, 8, 45	5.3	19
151	Acute Modulation of Brain Connectivity in Parkinson Disease after Automatic Mechanical Peripheral Stimulation: A Pilot Study. *PLoS ONE*, **2015**, 10, e0137977	3.7	19
150	The effects of neuromuscular taping on gait walking strategy in a patient with joint hypermobility syndrome/Ehlers-Danlos syndrome hypermobility type. *Therapeutic Advances in Musculoskeletal Disease*, **2015**, 7, 3-10	3.8	18
149	Spared Primary Motor Cortex and The Presence of MEP in Cerebral Palsy Dictate the Responsiveness to tDCS during Gait Training. *Frontiers in Human Neuroscience*, **2016**, 10, 361	3.3	18
148	Effects of flooring on required coefficient of friction: Elderly adult vs. middle-aged adult barefoot gait. *Applied Ergonomics*, **2015**, 50, 147-52	4.2	17
147	Short-term effects of "botulinum toxin a" as treatment for children with cerebral palsy: kinematic and kinetic aspects at the ankle joint. *Functional Neurology*, **2001**, 16, 317-23	2.2	17
146	Linear correlation between fractal dimension of surface EMG signal from Rectus Femoris and height of vertical jump. *Chaos, Solitons and Fractals*, **2014**, 66, 120-126	9.3	16

145	Long-term effects of automated mechanical peripheral stimulation on gait patterns of patients with Parkinson's disease. *International Journal of Rehabilitation Research*, **2015**, 38, 238-45	1.8	16
144	Relationship between obesity and plantar pressure distribution in youths with Down syndrome. *American Journal of Physical Medicine and Rehabilitation*, **2013**, 92, 889-97	2.6	16
143	Quantifying established clinical assessment measures using 3D-movement analysis in individuals with Down syndrome. *Disability and Rehabilitation*, **2010**, 32, 1768-74	2.4	16
142	Gait analysis in patients after bilateral versus unilateral total hip arthroplasty. *Gait and Posture*, **2019**, 72, 46-50	2.6	15
141	Gait analysis in patients with chronic obstructive pulmonary disease: a systematic review. *Gait and Posture*, **2018**, 61, 408-415	2.6	14
140	Quantitative assessment of the effects of 6 months of adapted physical activity on gait in people with multiple sclerosis: a randomized controlled trial. *Disability and Rehabilitation*, **2018**, 40, 144-151	2.4	14
139	How multi segmental patterns deviate in spastic diplegia from typical developed. *Clinical Biomechanics*, **2017**, 48, 103-109	2.2	14
138	Effects of a single session of transcranial direct current stimulation on static balance in a patient with hemiparesis: a case study. *Journal of Physical Therapy Science*, **2015**, 27, 955-8	1	14
137	A new approach for the quantitative evaluation of the clock drawing test: preliminary results on subjects with Parkinson's disease. *Neurology Research International*, **2010**, 2010, 283890	1.7	14
136	Comparative study between circumferential method and laser scanner 3D method for the evaluation of arm volume in healthy subjects. *Journal of Vascular Surgery: Venous and Lymphatic Disorders*, **2016**, 4, 64-72	3.2	13
135	Feedback reliance during an arm-tapping task with obstacle avoidance in adults with Down syndrome. *Experimental Brain Research*, **2013**, 226, 631-8	2.3	13
134	Kinematic analysis of upper limb during walking in diplegic children with Cerebral Palsy. *European Journal of Paediatric Neurology*, **2014**, 18, 134-9	3.8	13
133	A new approach for the quantitative evaluation of drawings in children with learning disabilities. *Research in Developmental Disabilities*, **2011**, 32, 1004-10	2.7	13
132	Gait pattern in two rare genetic conditions characterized by muscular hypotonia: Ehlers-Danlos and Prader-Willi syndrome. *Research in Developmental Disabilities*, **2011**, 32, 1722-8	2.7	13
131	Postural adaptations to long-term training in Prader-Willi patients. *Journal of NeuroEngineering and Rehabilitation*, **2011**, 8, 26	5.3	13
130	Quantitative Evaluation of the Effects of Ankle Foot Orthosis on Gait in Children with Cerebral Palsy Using the Gait Profile Score and Gait Variable Scores. *Journal of Developmental and Physical Disabilities*, **2016**, 28, 367-379	1.5	13
129	Effects of obesity on gait pattern in young individuals with Down syndrome. *International Journal of Rehabilitation Research*, **2015**, 38, 55-60	1.8	12
128	Balance Control and Balance Recovery in Obesity. *Current Obesity Reports*, **2012**, 1, 166-173	8.4	12

127	Towards a biomarker of motor adaptation: integration of kinematic and neural factors. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2012**, 20, 258-67	4.8	12
126	Robot-Assisted Upper Limb Training for Hemiplegic Children with Cerebral Palsy. *Journal of Developmental and Physical Disabilities*, **2019**, 31, 89-101	1.5	12
125	Gait pattern in lean and obese adolescents. *International Journal of Rehabilitation Research*, **2015**, 38, 40-8	1.8	11
124	Fatigue, as measured using the Modified Fatigue Impact Scale, is a predictor of processing speed improvement induced by exercise in patients with multiple sclerosis: data from a randomized controlled trial. *Journal of Neurology*, **2018**, 265, 1328-1333	5.5	11
123	Down Syndrome: Gait Pattern Alterations in Posture Space Kinematics. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2019**, 27, 1589-1596	4.8	11
122	Foot-type analysis and plantar pressure differences between obese and nonobese adolescents during upright standing. *International Journal of Rehabilitation Research*, **2016**, 39, 87-91	1.8	11
121	Focal Muscle Vibration Improves Gait in Parkinson's Disease: A Pilot Randomized, Controlled Trial. *Movement Disorders Clinical Practice*, **2016**, 3, 559-566	2.2	11
120	Different horse's paces during hippotherapy on spatio-temporal parameters of gait in children with bilateral spastic cerebral palsy: A feasibility study. *Research in Developmental Disabilities*, **2016**, 59, 65-72	2.7	11
119	Do wearable sensors add meaningful information to the Timed Up and Go test? A study on obese women. *Journal of Electromyography and Kinesiology*, **2019**, 44, 78-85	2.5	11
118	Gait strategy of uninvolved limb in children with spastic hemiplegia. *Europa Medicophysica*, **2007**, 43, 303-10		11
117	Kinematics of trunk movements: protocol design and application in obese females. *Journal of Applied Biomaterials and Biomechanics*, **2008**, 6, 178-85		11
116	Functional and postural recovery after bilateral or unilateral total hip arthroplasty. *Journal of Electromyography and Kinesiology*, **2019**, 48, 205-211	2.5	10
115	Symmetry of Gait in Underweight, Normal and Overweight Children and Adolescents. *Sensors*, **2019** , 19,	3.8	10
114	Does kinematics add meaningful information to clinical assessment in post-stroke upper limb rehabilitation? A case report. *Journal of Physical Therapy Science*, **2016**, 28, 2408-13	1	10
113	Use of Machine Learning and Wearable Sensors to Predict Energetics and Kinematics of Cutting Maneuvers. *Sensors*, **2019**, 19,	3.8	10
112	Obstacle avoidance in Down syndrome. *Journal of Electromyography and Kinesiology*, **2013**, 23, 483-9	2.5	10
111	Gait initiation and termination strategies in patients with Prader-Willi syndrome. *Journal of NeuroEngineering and Rehabilitation*, **2017**, 14, 44	5.3	10
110	Use of the Gait Profile Score for the Quantification of Gait Pattern in Down Syndrome. *Journal of Developmental and Physical Disabilities*, **2015**, 27, 609-615	1.5	10

109	Plantar pressure patterns in women affected by Ehlers-Danlos syndrome while standing and walking. *Research in Developmental Disabilities*, **2013**, 34, 3720-6	2.7	10
108	Educational impact of hand motion analysis in the evaluation of FAST examination skills. *European Journal of Trauma and Emergency Surgery*, **2020**, 46, 1421-1428	2.3	10
107	Computation of spatio-temporal parameters in level walking using a single inertial system in lean and obese adolescents. *Biomedizinische Technik*, **2017**, 62, 505-511	1.3	9
106	Efficacy of end-effector Robot-Assisted Gait Training in subacute stroke patients: Clinical and gait outcomes from a pilot bi-centre study. *NeuroRehabilitation*, **2019**, 45, 201-212	2	9
105	Kinematic effects of repeated turns while running. *European Journal of Sport Science*, **2019**, 19, 1072-1081	3.9	9
104	Quantitative comparison between the laser scanner three-dimensional method and the circumferential method for evaluation of arm volume in patients with lymphedema. *Journal of Vascular Surgery: Venous and Lymphatic Disorders*, **2018**, 6, 96-103	3.2	9
103	Automated Mechanical Peripheral Stimulation Improves Gait Parameters in Subjects With Parkinson Disease and Freezing of Gait: A Randomized Clinical Trial. *American Journal of Physical Medicine and Rehabilitation*, **2018**, 97, 383-389	2.6	9
102	Plantar stimulation in parkinsonians: From biomarkers to mobility - randomized-controlled trial. *Restorative Neurology and Neuroscience*, **2018**, 36, 195-205	2.8	9
101	Effect of physiotherapeutic intervention on the gait after the application of botulinum toxin in children with cerebral palsy: systematic review. *European Journal of Physical and Rehabilitation Medicine*, **2018**, 54, 757-765	4.4	9
100	The fractal dimension approach in posture: a comparison between Down and Prader-Willi syndrome patients. *Computer Methods in Biomechanics and Biomedical Engineering*, **2014**, 17, 1535-41	2.1	9
99	Immediate Effect of Postural Insoles on Gait Performance of Children with Cerebral Palsy: Preliminary Randomized Controlled Double-blind Clinical Trial. *Journal of Physical Therapy Science*, **2014**, 26, 1003-7	1	9
98	The effect of vision on postural strategies in Prader-Willi patients. *Research in Developmental Disabilities*, **2011**, 32, 1965-9	2.7	9
97	Mechanisms underlying center of pressure displacements in obese subjects during quiet stance. *Journal of NeuroEngineering and Rehabilitation*, **2011**, 8, 20	5.3	9
96	Ultrasonographic and Myotonometric Evaluation of the Shoulder Girdle After an Isokinetic Muscle Fatigue Protocol. *Journal of Sport Rehabilitation*, **2020**, 29, 1047-1052	1.7	9
95	Osteopathic Manipulative Treatment improves gait pattern and posture in adult patients with Prader Willi syndrome. *International Journal of Osteopathic Medicine*, **2016**, 19, 35-43	1.9	8
94	Automated Mechanical Peripheral Stimulation Effects on Gait Variability in Individuals With Parkinson Disease and Freezing of Gait: A Double-Blind, Randomized Controlled Trial. *Archives of Physical Medicine and Rehabilitation*, **2018**, 99, 2420-2429	2.8	8
93	Quantitative assessment of drawing tests in children with dyslexia and dysgraphia. *Human Movement Science*, **2019**, 65, 51-51	2.4	8
92	Evaluation of posture signal using entropy analysis and fractal dimension in adults with Down syndrome. *Computer Methods in Biomechanics and Biomedical Engineering*, **2014**, 17, 474-9	2.1	8

91	Gait and postural control patterns and rehabilitation in Down syndrome: a systematic review. *Journal of Physical Therapy Science*, **2020**, 32, 303-314	1	8
90	A biomechanical study of gait initiation in Down syndrome. *BMC Neurology*, **2019**, 19, 66	3.1	7
89	Mechanical energy assessment of adult with Down syndrome during walking with obstacle avoidance. *Research in Developmental Disabilities*, **2014**, 35, 1856-62	2.7	7
88	Body-scaled action in obesity during locomotion: Insights on the nature and extent of body representation disturbances. *Journal of Psychosomatic Research*, **2017**, 102, 34-40	4.1	7
87	Protocol study for a randomised, controlled, double-blind, clinical trial involving virtual reality and anodal transcranial direct current stimulation for the improvement of upper limb motor function in children with Down syndrome. *BMJ Open*, **2017**, 7, e016260	3	7
86	Motor Cortex Plasticity in Children With Spastic Cerebral Palsy: A Systematic Review. *Journal of Motor Behavior*, **2017**, 49, 355-364	1.4	7
85	Transcranial direct current stimulation combined with upper limb functional training in children with spastic, hemiparetic cerebral palsy: study protocol for a randomized controlled trial. *Trials*, **2016**, 17, 405	2.8	7
84	Sex differences in the gait kinematics of patients with Down syndrome: A preliminary report. *Journal of Rehabilitation Medicine*, **2019**, 51, 144-146	3.4	7
83	Analyzing gait variability and dual-task interference in patients with Parkinson's disease and freezing by means of the word-color Stroop test. *Aging Clinical and Experimental Research*, **2018**, 30, 1137-1142	4.8	7
82	Monitoring of Gait Parameters in Post-Stroke Individuals: A Feasibility Study Using RGB-D Sensors. *Sensors*, **2021**, 21,	3.8	7
81	Relationship between gait initiation and disability in individuals affected by multiple sclerosis. *Multiple Sclerosis and Related Disorders*, **2015**, 4, 594-7	4	6
80	Gait strategy in genetically obese patients: a 7-year follow up. *Research in Developmental Disabilities*, **2014**, 35, 1501-6	2.7	6
79	Spiral analysis in subjects with Parkinson's disease before and after levodopa treatment: a new protocol with stereophotogrammetric systems. *Journal of Applied Biomaterials and Functional Materials*, **2014**, 12, e107-12	1.8	6
78	Quantification of patellar tendon shortening in a patient with cerebral palsy. *Journal of Applied Biomaterials and Functional Materials*, **2014**, 12, 57-63	1.8	6
77	Quantitative 3D evaluation of step ascent and descent in individuals with Down syndrome--analysis of a daily challenging task. *Journal of Intellectual Disability Research*, **2013**, 57, 1143-51	3.2	6
76	The Use of 3d Motion Analysis in a Patient with an Atypical Juvenile Neuronal Ceroid Lipofuscinoses Phenotype with CLN1 Mutation and Deficient PPT Activity. *Journal of Developmental and Physical Disabilities*, **2012**, 24, 155-165	1.5	6
75	Quantitative evaluation of facial movement and morphology. *Annals of Otology, Rhinology and Laryngology*, **2012**, 121, 246-52	2.1	6
74	Bicoherence Interpretation in EEG Requires Signal to Noise Ratio Quantification: An Application to Sensorimotor Rhythms. *IEEE Transactions on Biomedical Engineering*, **2020**, 67, 2696-2704	5	6

73	Land and Underwater Gait Analysis Using Wearable IMU. *IEEE Sensors Journal*, **2021**, 21, 11192-11202	4	6
72	Postural insoles on gait in children with cerebral palsy: Randomized controlled double-blind clinical trial. *Journal of Bodywork and Movement Therapies*, **2017**, 21, 890-895	1.6	5
71	Foot type analysis based on electronic pedobarography data in individuals with joint hypermobility syndrome/Ehlers-Danlos syndrome hypermobility type during upright standing. *Journal of the American Podiatric Medical Association*, **2014**, 104, 588-93	1	5
70	A novel summary kinematic index for postural characterization in subjects with Parkinson's disease. *European Journal of Physical and Rehabilitation Medicine*, **2020**, 56, 142-147	4.4	5
69	Temporomandibular joint mobility in adult females with Ehlers-Danlos syndrome, hypermobility type (also known as joint hypermobility syndrome). *Journal of Cranio-Maxillary Diseases*, **2012**, 1, 88		5
68	Maturity offset affects standing postural control in youth male soccer players. *Journal of Biomechanics*, **2020**, 99, 109523	2.9	5
67	The Required Coefficient of Friction for evaluating gait alterations in people with Multiple Sclerosis during gait. *Multiple Sclerosis and Related Disorders*, **2016**, 10, 174-178	4	5
66	A proposal for a kinetic summary measure: the Gait Kinetic Index. *Computer Methods in Biomechanics and Biomedical Engineering*, **2019**, 22, 94-99	2.1	5
65	Men and women with Down syndrome exhibit different kinematic (but not spatio-temporal) gait patterns. *Journal of Intellectual Disability Research*, **2019**, 63, 64-71	3.2	5
64	Effect of physical therapy interventions on spatiotemporal gait parameters in children with cerebral palsy: a systematic review. *Disability and Rehabilitation*, **2021**, 43, 1507-1516	2.4	5
63	Fatigue-Induced Scapular Dyskinesis in Healthy Overhead Athletes. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 302	5.8	4
62	Stabilometric analysis of the effect of postural insoles on static balance in patients with hemiparesis: A randomized, controlled, clinical trial. *Journal of Bodywork and Movement Therapies*, **2017**, 21, 290-296	1.6	4
61	Spatiotemporal and kinematic aspects of obstacle avoidance in subjects with Down syndrome. *Functional Neurology*, **2012**, 27, 231-7	2.2	4
60	Kinematics Adaptation and Inter-Limb Symmetry during Gait in Obese Adults. *Sensors*, **2021**, 21,	3.8	4
59	Balance in patients with anorexia and bulimia nervosa. *European Journal of Physical and Rehabilitation Medicine*, **2009**, 45, 335-40	4.4	4
58	Static and dynamic pelvic kinematics after one-stage bilateral or unilateral total hip arthroplasty. *HIP International*, **2021**, 31, 729-734	1.7	3
57	Effect of Transcranial Direct Current Stimulation Combined With Xbox-Kinect Game Experience on Upper Limb Movement in Down Syndrome: A Case Report. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 514	5.8	3
56	The coefficient of friction in Parkinson's disease gait. *Functional Neurology*, **2017**, 32, 17-22	2.2	3

55	Age-Related Changes in Smoothness of Gait of Healthy Children and Early Adolescents. *Journal of Motor Behavior*, **2020**, 52, 694-702	1.4	3
54	Bilateral Foot Orthoses Elicit Changes in Gait Kinematics of Adolescents with Down Syndrome with Flatfoot. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	3
53	Functional Electrical Stimulation for Foot Drop in Post-Stroke People: Quantitative Effects on Step-to-Step Symmetry of Gait Using a Wearable Inertial Sensor. *Sensors*, **2021**, 21,	3.8	3
52	Fatigue Induced by Repeated Changes of Direction in Elite Female Football (Soccer) Players: Impact on Lower Limb Biomechanics and Implications for ACL Injury Prevention. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 666841	5.8	3
51	Preliminary evidence of effectiveness of TECAR in lymphedema. *Lymphology*, **2019**, 52, 35-43	1.9	3
50	The effect of transcranial direct current stimulation on mobility in a child with cerebral palsy: case report. *Brain Stimulation*, **2019**, 12, 429	5.1	2
49	Changes in symmetry during gait in adults with Prader-Willi syndrome. *Computer Methods in Biomechanics and Biomedical Engineering*, **2020**, 23, 1094-1101	2.1	2
48	Functional Evaluation Using Inertial Measurement of Back School Therapy in Lower Back Pain. *Sensors*, **2020**, 20,	3.8	2
47	Does focal mechanical stimulation of the lower limb muscles improve postural control and sit to stand movement in elderly?. *Aging Clinical and Experimental Research*, **2018**, 30, 1161-1166	4.8	2
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