Steven L Wolf

List of Publications by Citations

262 papers	15,317 citations	65 h-index	118 g-index
294 ext. papers	17,343 ext. citations	4 avg, IF	6.39 L-index

#	Paper	IF	Citations
262	Effect of constraint-induced movement therapy on upper extremity function 3 to 9 months after stroke: the EXCITE randomized clinical trial. *JAMA - Journal of the American Medical Association*, **2006**, 296, 2095-104	27.4	1311
261	Assessing Wolf motor function test as outcome measure for research in patients after stroke. *Stroke*, **2001**, 32, 1635-9	6.7	720
260	Reducing frailty and falls in older persons: an investigation of Tai Chi and computerized balance training. Atlanta FICSIT Group. Frailty and Injuries: Cooperative Studies of Intervention Techniques. *Journal of the American Geriatrics Society*, **1996**, 44, 489-97	5.6	711
259	What do motor "recovery" and "compensation" mean in patients following stroke?. *Neurorehabilitation and Neural Repair*, **2009**, 23, 313-9	4.7	551
258	Agreed definitions and a shared vision for new standards in stroke recovery research: The Stroke Recovery and Rehabilitation Roundtable taskforce. *International Journal of Stroke*, **2017**, 12, 444-450	6.3	328
257	The effect of Tai Chi Quan and computerized balance training on postural stability in older subjects. Atlanta FICSIT Group. Frailty and Injuries: Cooperative Studies on Intervention Techniques. *Physical Therapy*, **1997**, 77, 371-81; discussion 382-4	3.3	258
256	Retention of upper limb function in stroke survivors who have received constraint-induced movement therapy: the EXCITE randomised trial. *Lancet Neurology, The*, **2008**, 7, 33-40	24.1	253
255	Intense tai chi exercise training and fall occurrences in older, transitionally frail adults: a randomized, controlled trial. *Journal of the American Geriatrics Society*, **2003**, 51, 1693-701	5.6	249
254	Treatment interventions for the paretic upper limb of stroke survivors: a critical review. *Neurorehabilitation and Neural Repair*, **2003**, 17, 220-6	4.7	248
253	Constraint-induced movement therapy after stroke. *Lancet Neurology, The*, **2015**, 14, 224-34	24.1	245
252	Development of the common data base for the FICSIT trials. *Journal of the American Geriatrics Society*, **1993**, 41, 297-308	5.6	244
251	Efficacy of a child-friendly form of constraint-induced movement therapy in hemiplegic cerebral palsy: a randomized control trial. *Developmental Medicine and Child Neurology*, **2006**, 48, 635-42	3.3	224
250	Associations of demographic, functional, and behavioral characteristics with activity-related fear of falling among older adults transitioning to frailty. *Journal of the American Geriatrics Society*, **2001**, 49, 1456-62	5.6	199
249	Standardized measurement of sensorimotor recovery in stroke trials: Consensus-based core recommendations from the Stroke Recovery and Rehabilitation Roundtable. *International Journal of Stroke*, **2017**, 12, 451-461	6.3	198
248	Recent developments in biofeedback for neuromotor rehabilitation. *Journal of NeuroEngineering and Rehabilitation*, **2006**, 3, 11	5.3	196
247	Constraint Induced Movement Techniques To Facilitate Upper Extremity Use in Stroke Patients. *Topics in Stroke Rehabilitation*, **1997**, 3, 38-61	2.6	194
246	Effect of a Task-Oriented Rehabilitation Program on Upper Extremity Recovery Following Motor Stroke: The ICARE Randomized Clinical Trial. *JAMA - Journal of the American Medical Association*, **2016**, 315, 571-81	27.4	189

245	Exploring the basis for Tai Chi Chuan as a therapeutic exercise approach. *Archives of Physical Medicine and Rehabilitation*, **1997**, 78, 886-92	2.8	182
244	The EXCITE trial: attributes of the Wolf Motor Function Test in patients with subacute stroke. *Neurorehabilitation and Neural Repair*, **2005**, 19, 194-205	4.7	176
243	Establishing the Reliability and Validity of Measurements of Walking Time Using the Emory Functional Ambulation Profile. *Physical Therapy*, **1999**, 79, 1122-1133	3.3	176
242	Methods for a multisite randomized trial to investigate the effect of constraint-induced movement therapy in improving upper extremity function among adults recovering from a cerebrovascular stroke. *Neurorehabilitation and Neural Repair*, **2003**, 17, 137-52	4.7	173
241	Validity of accelerometry for monitoring real-world arm activity in patients with subacute stroke: evidence from the extremity constraint-induced therapy evaluation trial. *Archives of Physical Medicine and Rehabilitation*, **2006**, 87, 1340-5	2.8	166
240	Constraint-induced movement therapy results in increased motor map area in subjects 3 to 9 months after stroke. *Neurorehabilitation and Neural Repair*, **2008**, 22, 505-13	4.7	161
239	Reduction in fear of falling through intense tai chi exercise training in older, transitionally frail adults. *Journal of the American Geriatrics Society*, **2005**, 53, 1168-78	5.6	156
238	The EXCITE stroke trial: comparing early and delayed constraint-induced movement therapy. *Stroke* , **2010**, 41, 2309-15	6.7	152
237	Doing it with mirrors: a case study of a novel approach to neurorehabilitation. *Neurorehabilitation and Neural Repair*, **2000**, 14, 73-6	4.7	150
236	Methods of constraint-induced movement therapy for children with hemiplegic cerebral palsy: development of a child-friendly intervention for improving upper-extremity function. *Archives of Physical Medicine and Rehabilitation*, **2005**, 86, 837-44	2.8	149
235	Variability of motor potentials evoked by transcranial magnetic stimulation depends on muscle activation. *Experimental Brain Research*, **2006**, 174, 376-85	2.3	147
234	Effect of forced use of the upper extremity of a hemiplegic patient on changes in function. A single-case design. *Physical Therapy*, **1981**, 61, 1022-8	3.3	146
233	Compartmentalization of muscles and their motor nuclei: the partitioning hypothesis. *Physical Therapy*, **1993**, 73, 857-67	3.3	142
232	Environmental and behavioral circumstances associated with falls at home among healthy elderly individuals. Atlanta FICSIT Group. *Archives of Physical Medicine and Rehabilitation*, **1997**, 78, 179-86	2.8	140
231	An Application of Upper-Extremity Constraint-Induced Movement Therapy in a Patient With Subacute Stroke. *Physical Therapy*, **1999**, 79, 847-853	3.3	137
230	Efficacy of constraint-induced movement therapy on involved upper-extremity use in children with hemiplegic cerebral palsy is not age-dependent. *Pediatrics*, **2006**, 117, e363-73	7.4	126
229	A randomized, controlled trial of fall prevention programs and quality of life in older fallers. *Journal of the American Geriatrics Society*, **2007**, 55, 499-506	5.6	122
228	The influence of Tai Chi training on the center of pressure trajectory during gait initiation in older adults. *Archives of Physical Medicine and Rehabilitation*, **2004**, 85, 1593-8	2.8	122

227	Lessons learned in participant recruitment and retention: the EXCITE trial. *Physical Therapy*, **2006**, 86, 1520-33	3.3	121
226	Stem cells as an emerging paradigm in stroke 3: enhancing the development of clinical trials. *Stroke* , **2014**, 45, 634-9	6.7	120
225	Agreed Definitions and a Shared Vision for New Standards in Stroke Recovery Research: The Stroke Recovery and Rehabilitation Roundtable Taskforce. *Neurorehabilitation and Neural Repair*, **2017**, 31, 793-799	4.7	119
224	Quality-of-life change associated with robotic-assisted therapy to improve hand motor function in patients with subacute stroke: a randomized clinical trial. *Physical Therapy*, **2010**, 90, 493-504	3.3	112
223	Self-report benefits of Tai Chi practice by older adults. *Journals of Gerontology - Series B Psychological Sciences and Social Sciences*, **1997**, 52, P242-6	4.6	111
222	Electromyographic biofeedback applications to the hemiplegic patient. Changes in upper extremity neuromuscular and functional status. *Physical Therapy*, **1983**, 63, 1393-403	3.3	106
221	Efficacy of Home-Based Telerehabilitation vs In-Clinic Therapy for Adults After Stroke: A Randomized Clinical Trial. *JAMA Neurology*, **2019**, 76, 1079-1087	17.2	104
220	Selected as the best paper in the 1990s: Reducing frailty and falls in older persons: an investigation of tai chi and computerized balance training. *Journal of the American Geriatrics Society*, **2003**, 51, 1794-803	5.6	102
219	Cognitive and motor mechanisms underlying older adults' ability to divide attention while walking. *Physical Therapy*, **2011**, 91, 1039-50	3.3	100
218	Repetitive task practice: a critical review of constraint-induced movement therapy in stroke. *Neurologist*, **2002**, 8, 325-38	1.6	98
217	Community-based tai chi and its effect on injurious falls, balance, gait, and fear of falling in older people. *Physical Therapy*, **2006**, 86, 1189-201	3.3	95
216	Electromyographic biofeedback applications to stroke patients. A critical review. *Physical Therapy*, **1983**, 63, 1448-59	3.3	88
215	The influence of intense Tai Chi training on physical performance and hemodynamic outcomes in transitionally frail, older adults. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2006**, 61, 184-9	6.4	87
214	Standardized Measurement of Sensorimotor Recovery in Stroke Trials: Consensus-Based Core Recommendations from the Stroke Recovery and Rehabilitation Roundtable. *Neurorehabilitation and Neural Repair*, **2017**, 31, 784-792	4.7	86
213	Gait initiation in older adults with postural instability. *Clinical Biomechanics*, **2008**, 23, 743-53	2.2	86
212	Modification of human spinal stretch reflexes: preliminary studies. *Neuroscience Letters*, **1989**, 105, 350-5	3.3	86
211	Neurological principles and rehabilitation of action disorders: rehabilitation interventions. *Neurorehabilitation and Neural Repair*, **2011**, 25, 33S-43S	4.7	84
210	The impact of vision loss on postural stability and balance strategies in individuals with profound vision loss. *Gait and Posture*, **2008**, 28, 58-61	2.6	84

209	Modified emory functional ambulation profile: an outcome measure for the rehabilitation of poststroke gait dysfunction. *Stroke*, **2001**, 32, 973-9	6.7	82
208	Intra-subject reliability of parameters contributing to maps generated by transcranial magnetic stimulation in able-bodied adults. *Clinical Neurophysiology*, **2004**, 115, 1740-7	4.3	79
207	Effectiveness of tai chi as a community-based falls prevention intervention: a randomized controlled trial. *Journal of the American Geriatrics Society*, **2012**, 60, 841-8	5.6	78
206	Revisiting constraint-induced movement therapy: are we too smitten with the mitten? Is all nonuse "learned"? and other quandaries. *Physical Therapy*, **2007**, 87, 1212-23	3.3	78
205	A functional threshold for long-term use of hand and arm function can be determined: predictions from a computational model and supporting data from the Extremity Constraint-Induced Therapy Evaluation (EXCITE) Trial. *Physical Therapy*, **2009**, 89, 1327-36	3.3	77
204	The Atlanta FICSIT study: two exercise interventions to reduce frailty in elders. *Journal of the American Geriatrics Society*, **1993**, 41, 329-32	5.6	77
203	Stroke Recovery and Rehabilitation Research: Issues, Opportunities, and the National Institutes of Health StrokeNet. *Stroke*, **2017**, 48, 813-819	6.7	71
202	Putting the brain on the map: use of transcranial magnetic stimulation to assess and induce cortical plasticity of upper-extremity movement. *Physical Therapy*, **2007**, 87, 719-36	3.3	70
201	Comparison of the reliability of the Orthoranger and the standard goniometer for assessing active lower extremity range of motion. *Physical Therapy*, **1988**, 68, 214-8	3.3	69
200	The effect of Tai Chi exercise on gait initiation and gait performance in persons with Parkinson's disease. *Parkinsonism and Related Disorders*, **2013**, 19, 955-60	3.6	66
199	The EXCITE Trial: Predicting a clinically meaningful motor activity log outcome. *Neurorehabilitation and Neural Repair*, **2008**, 22, 486-93	4.7	66
198	Minimal detectable change scores for the Wolf Motor Function Test. *Neurorehabilitation and Neural Repair*, **2009**, 23, 662-7	4.7	65
197	Temporal and spatial features of gait in older adults transitioning to frailty. *Gait and Posture*, **2004**, 20, 30-5	2.6	65
196	Can Tai Chi improve vestibulopathic postural control?. *Archives of Physical Medicine and Rehabilitation*, **2004**, 85, 142-52	2.8	65
195	The HAAPI (Home Arm Assistance Progression Initiative) Trial: A Novel Robotics Delivery Approach in Stroke Rehabilitation. *Neurorehabilitation and Neural Repair*, **2015**, 29, 958-68	4.7	64
194	The effects of constraint-induced therapy on precision grip: a preliminary study. *Neurorehabilitation and Neural Repair*, **2004**, 18, 250-8	4.7	62
193	EMG feedback training during dynamic movement for low back pain patients. *Behavior Therapy*, **1982**, 13, 395-406	4.8	61
192	Operant conditioning of spinal stretch reflexes in patients with spinal cord injuries. *Experimental Neurology*, **1994**, 130, 202-13	5.7	60

191	Comparison of the effects of exercise in water and on land on the rehabilitation of patients with intra-articular anterior cruciate ligament reconstructions. *Physical Therapy*, **1994**, 74, 710-9	3.3	59
190	Improving Quality of Life and Depression After Stroke Through Telerehabilitation. *American Journal of Occupational Therapy*, **2015**, 69, 6902290020p1-10	0.4	57
189	Influence of stroke survivor characteristics and family conflict surrounding recovery on caregivers' mental and physical health. *Nursing Research*, **2004**, 53, 406-13	1.9	53
188	Reducing human biceps brachii spinal stretch reflex magnitude. *Journal of Neurophysiology*, **1996**, 75, 1637-46	3.2	53
187	Impact of Tai Chi Chu'an practice on balance and mobility in older adults: an integrative review of 20 years of research. *Journal of Geriatric Physical Therapy*, **2014**, 37, 127-35	3.2	52
186	Examination of electrode placements and stimulating parameters in treating chronic pain with conventional transcutaneous electrical nerve stimulation (TENS). *Pain*, **1981**, 11, 37-47	8	52
185	Tai Chi and vestibular rehabilitation improve vestibulopathic gait via different neuromuscular mechanisms: preliminary report. *BMC Neurology*, **2005**, 5, 3	3.1	51
184	Applications of transcutaneous electrical nerve stimulation in the management of patients with pain. State-of-the-art update. *Physical Therapy*, **1985**, 65, 314-36	3.3	51
183	Theoretical basis for patterning EMG amplitudes to assess muscle dysfunction. *Medicine and Science in Sports and Exercise*, **1996**, 28, 744-51	1.2	50
182	Measurement structure of the Wolf Motor Function Test: implications for motor control theory. *Neurorehabilitation and Neural Repair*, **2010**, 24, 791-801	4.7	49
181	Use it and improve it or lose it: interactions between arm function and use in humans post-stroke. *PLoS Computational Biology*, **2012**, 8, e1002343	5	46
180	Morphological analysis of the human tibialis anterior and medial gastrocnemius muscles. *Cells Tissues Organs*, **1997**, 158, 287-95	2.1	46
179	Tai chi and perceived health status in older adults who are transitionally frail: a randomized controlled trial. *Physical Therapy*, **2007**, 87, 525-35	3.3	44
178	Pilot normative database for the Wolf Motor Function Test. *Archives of Physical Medicine and Rehabilitation*, **2006**, 87, 443-5	2.8	43
177	Vagus nerve stimulation paired with rehabilitation for upper limb motor function after ischaemic stroke (VNS-REHAB): a randomised, blinded, pivotal, device trial. *Lancet, The*, **2021**, 397, 1545-1553	40	43
176	The emerging relationship between regenerative medicine and physical therapeutics. *Physical Therapy*, **2010**, 90, 1807-14	3.3	42
175	Finger extensor variability in TMS parameters among chronic stroke patients. *Journal of NeuroEngineering and Rehabilitation*, **2005**, 2, 10	5.3	42
174	Electromyographic biofeedback applications to the hemiplegic patient. Changes in lower extremity neuromuscular and functional status. *Physical Therapy*, **1983**, 63, 1404-13	3.3	41

173	Chronic back pain: electromyographic, motion and behavioral assessments following sympathetic nerve blocks and placebos. *Pain*, **1980**, 8, 1-10	8	41
172	The home stroke rehabilitation and monitoring system trial: a randomized controlled trial. *International Journal of Stroke*, **2013**, 8, 46-53	6.3	40
171	Effects of acute intermittent hypoxia on hand use after spinal cord trauma: A preliminary study. *Neurology*, **2017**, 89, 1904-1907	6.5	39
170	Intra- and intersubject reliability of abductor pollicis brevis muscle motor map characteristics with transcranial magnetic stimulation. *Archives of Physical Medicine and Rehabilitation*, **2005**, 86, 1670-5	2.8	39
169	Interdisciplinary Comprehensive Arm Rehabilitation Evaluation (ICARE): a randomized controlled trial protocol. *BMC Neurology*, **2013**, 13, 5	3.1	38
168	Repetitive Task Practice: A Critical Review of Constraint-Induced Movement Therapy in Stroke. *Neurologist*, **2002**, 8, 325-338	1.6	38
167	The Excite Trial: relationship of intensity of constraint induced movement therapy to improvement in the wolf motor function test. *Restorative Neurology and Neuroscience*, **2007**, 25, 549-62	2.8	38
166	Can the Wolf Motor Function Test be streamlined?. *Neurorehabilitation and Neural Repair*, **2009**, 23, 422-8	4.7	37
165	Application of adapted tango as therapeutic intervention for patients with chronic stroke. *Journal of Geriatric Physical Therapy*, **2012**, 35, 206-17	3.2	37
164	Changes in serial optical topography and TMS during task performance after constraint-induced movement therapy in stroke: a case study. *Neurorehabilitation and Neural Repair*, **2004**, 18, 95-105	4.7	37
163	A study design to investigate the effect of intense Tai Chi in reducing falls among older adults transitioning to frailty. *Contemporary Clinical Trials*, **2001**, 22, 689-704		37
162	Participant perception of recovery as criterion to establish importance of improvement for constraint-induced movement therapy outcome measures: a preliminary study. *Physical Therapy*, **2007**, 87, 170-8	3.3	35
161	The use of transcranial magnetic stimulation to evaluate cortical excitability of lower limb musculature: Challenges and opportunities. *Restorative Neurology and Neuroscience*, **2018**, 36, 333-348	2.8	35
160	Differential patterns of cortical reorganization following constraint-induced movement therapy during early and late period after stroke: A preliminary study. *NeuroRehabilitation*, **2014**, 35, 415-26	2	34
159	Evaluation of electromyographic biofeedback as an adjunct to therapeutic exercise in treating the lower extremities of hemiplegic patients. *Physical Therapy*, **1981**, 61, 886-93	3.3	34
158	Exploring the bases for a mixed reality stroke rehabilitation system, Part II: design of interactive feedback for upper limb rehabilitation. *Journal of NeuroEngineering and Rehabilitation*, **2011**, 8, 54	5.3	33
157	The Movement Imagery Questionnaire-Revised, Second Edition (MIQ-RS) Is a Reliable and Valid Tool for Evaluating Motor Imagery in Stroke Populations. *Evidence-based Complementary and Alternative Medicine*, **2012**, 2012, 497289	2.3	33
156	Accelerating Stroke Recovery: Body Structures and Functions, Activities, Participation, and Quality of Life Outcomes From a Large Rehabilitation Trial. *Neurorehabilitation and Neural Repair*, **2018**, 32, 150-165	4.7	31

155	Effects of Tai Chi intervention on dual-task ability in older adults: a pilot study. *Archives of Physical Medicine and Rehabilitation*, **2009**, 90, 525-9	2.8	31
154	Overcoming limitations in elbow movement in the presence of antagonist hyperactivity. *Physical Therapy*, **1994**, 74, 826-35	3.3	31
153	Effects of real-time gait biofeedback on paretic propulsion and gait biomechanics in individuals post-stroke. *Topics in Stroke Rehabilitation*, **2018**, 25, 186-193	2.6	30
152	Further assessment to determine the additive effect of botulinum toxin type A on an upper extremity exercise program to enhance function among individuals with chronic stroke but extensor capability. *Archives of Physical Medicine and Rehabilitation*, **2012**, 93, 578-87	2.8	30
151	Comparison of motor copy and targeted biofeedback training techniques for restitution of upper extremity function among patients with neurologic disorders. *Physical Therapy*, **1989**, 69, 719-35	3.3	29
150	Best practice for arm recovery post stroke: an international application. *Physiotherapy*, **2016**, 102, 1-4	3	28
149	Pain, fatigue, and intensity of practice in people with stroke who are receiving constraint-induced movement therapy. *Physical Therapy*, **2006**, 86, 1241-50	3.3	28
148	Conditioning of the spinal stretch reflex: implications for rehabilitation. *Physical Therapy*, **1990**, 70, 652-6	3.3	28
147	Treating chronic low back pain. EMG biofeedback training during movement. *Physical Therapy*, **1980** , 60, 58-63	3.3	28
146	Adaptive mixed reality rehabilitation improves quality of reaching movements more than traditional reaching therapy following stroke. *Neurorehabilitation and Neural Repair*, **2013**, 27, 306-15	4.7	27
145	Exploring the bases for a mixed reality stroke rehabilitation system, part I: a unified approach for representing action, quantitative evaluation, and interactive feedback. *Journal of NeuroEngineering and Rehabilitation*, **2011**, 8, 51	5.3	27
144	Dancing for balance: feasibility and efficacy in oldest-old adults with visual impairment. *Nursing Research*, **2013**, 62, 138-43	1.9	26
143	Caregiver perspectives of memory and behavior changes in stroke survivors. *Rehabilitation Nursing*, **2006**, 31, 26-32	1.3	26
142	Task-oriented EMG activity recorded from partitions in human lateral gastrocnemius muscle. *Journal of Electromyography and Kinesiology*, **1993**, 3, 87-94	2.5	26
141	The effect of muscle stimulation during resistive training on performance parameters. *American Journal of Sports Medicine*, **1986**, 14, 18-23	6.8	26
140	Looking in the rear view mirror when conversing with back seat drivers: the EXCITE trial revisited. *Neurorehabilitation and Neural Repair*, **2007**, 21, 379-87	4.7	25
139	Attempting to improve function and quality of life using the FTM Protocol: case report. *Journal of Neurologic Physical Therapy*, **2006**, 30, 148-56	4.1	25
138	Tai Chi and vestibular rehabilitation effects on gaze and whole-body stability. *Journal of Vestibular Research: Equilibrium and Orientation*, **2004**, 14, 467-478	2.5	25

137	The EXCITE Trial: reacquiring upper-extremity task performance with early versus late delivery of constraint therapy. *Neurorehabilitation and Neural Repair*, **2013**, 27, 654-63	4.7	24
136	Caregiver characteristics predict stroke survivor quality of life at 4 months and 1 year. *Research in Nursing and Health*, **2009**, 32, 592-605	2	24
135	Essential considerations in the use of EMG biofeedback. *Physical Therapy*, **1978**, 58, 25-31	3.3	24
134	Home-based reach-to-grasp training for people after stroke: study protocol for a feasibility randomized controlled trial. *Trials*, **2013**, 14, 109	2.8	23
133	Treatment of severe hand impairment following stroke by combining assisted movement, muscle vibration, and biofeedback. *Journal of Neurologic Physical Therapy*, **2013**, 37, 194-203	4.1	23
132	Constraint-Induced Movement Therapy (CIMT): Current Perspectives and Future Directions. *Stroke Research and Treatment*, **2012**, 2012, 159391	1.7	23
131	Determining consistency of elbow joint threshold angle in elbow flexor muscles with spastic hypertonia. *Physical Therapy*, **1996**, 76, 586-600	3.3	23
130	Incorporating robotic-assisted telerehabilitation in a home program to improve arm function following stroke. *Journal of Neurologic Physical Therapy*, **2013**, 37, 125-32	4.1	22
129	Multimodal Exercise Benefits Mobility in Older Adults With Visual Impairment: A Preliminary Study. *Journal of Aging and Physical Activity*, **2015**, 23, 630-9	1.6	21
128	Imaging in StrokeNet: Realizing the Potential of Big Data. *Stroke*, **2015**, 46, 2000-6	6.7	21
127	Constraint-induced movement therapy in stroke rehabilitation: Perspectives on future clinical applications. *NeuroRehabilitation*, **2008**, 23, 15-28	2	21
126	Tai Chi and vestibular rehabilitation effects on gaze and whole-body stability. *Journal of Vestibular Research: Equilibrium and Orientation*, **2004**, 14, 467-78	2.5	21
125	. *Journal of Rehabilitation Research and Development*, **2008**, 45, 1117		20
124	Patient-Specific, Voice-Controlled, Robotic FLEXotendon Glove-II System for Spinal Cord Injury. *IEEE Robotics and Automation Letters*, **2020**, 5, 898-905	4.2	19
123	Developing strategies for biofeedback. Applications in neurologically handicapped patients. *Physical Therapy*, **1977**, 57, 402-8	3.3	19
122	The use of kinetics as a marker for manual dexterity after stroke and stroke recovery. *Topics in Stroke Rehabilitation*, **2009**, 16, 223-36	2.6	18
121	Contemporary linkages between EMG, kinetics and stroke rehabilitation. *Journal of Electromyography and Kinesiology*, **2005**, 15, 229-39	2.5	18
120	Transcranial magnetic stimulation to assess cortical plasticity: a critical perspective for stroke rehabilitation. *Journal of Rehabilitation Medicine*, **2003**, 20-6	3.4	18

119	A novel adaptive mixed reality system for stroke rehabilitation: principles, proof of concept, and preliminary application in 2 patients. *Topics in Stroke Rehabilitation*, **2011**, 18, 212-30	2.6	17
118	Minimal detectable change of the actual amount of use test and the motor activity log: the EXCITE Trial. *Neurorehabilitation and Neural Repair*, **2012**, 26, 507-14	4.7	17
117	Preliminary Reliability and Validity of a Family Caregiver Conflict Scale for Stroke. *Progress in Cardiovascular Nursing*, **2003**, 18, 77-92		17
116	Stroke Lesions in a Large Upper Limb Rehabilitation Trial Cohort Rarely Match Lesions in Common Preclinical Models. *Neurorehabilitation and Neural Repair*, **2017**, 31, 509-520	4.7	16
115	Abnormal EEG Responses to TMS During the Cortical Silent Period Are Associated With Hand Function in Chronic Stroke. *Neurorehabilitation and Neural Repair*, **2017**, 31, 666-676	4.7	16
114	Neural Stem Cell Therapy and Rehabilitation in the Central Nervous System: Emerging Partnerships. *Physical Therapy*, **2016**, 96, 734-42	3.3	16
113	Interdisciplinary concepts for design and implementation of mixed reality interactive neurorehabilitation systems for stroke. *Physical Therapy*, **2015**, 95, 449-60	3.3	16
112	Organization of responses in human lateral gastrocnemius muscle to specified body perturbations. *Journal of Electromyography and Kinesiology*, **1998**, 8, 11-21	2.5	16
111	The relationship of extraneous movements to lumbar paraspinal muscle activity: implications for EMG biofeedback training applications to low back pain patients. *Biofeedback and Self-regulation*, **1989**, 14, 63-74		16
110	Use of the Krusen Limb Load Monitor to quantify temporal and loading measurements of gait. *Physical Therapy*, **1982**, 62, 976-84	3.3	16
109	Taking the Next Steps in Regenerative Rehabilitation: Establishment of a New Interdisciplinary Field. *Archives of Physical Medicine and Rehabilitation*, **2020**, 101, 917-923	2.8	15
108	Long latency ankle responses to dynamic perturbation in older fallers and non-fallers. *Journal of the American Geriatrics Society*, **1996**, 44, 1447-54	5.6	15
107	Long-term follow-up after constraint-induced therapy: a case report of a chronic stroke survivor. *American Journal of Occupational Therapy*, **2009**, 63, 317-22	0.4	15
106	Feedback signal based upon force and time delay: modification of the Krusen Limb Load Monitor. *Physical Therapy*, **1980**, 60, 1289-90	3.3	14
105	The motor unit. Anatomy and physiology. *Physical Therapy*, **1982**, 62, 1763-72	3.3	14
104	Procedures for EMG biofeedback training in involved upper extremities of hemiplegic patients. *Physical Therapy*, **1979**, 59, 1500-7	3.3	14
103	Home-based Reach-to-Grasp training for people after stroke is feasible: a pilot randomised controlled trial. *Clinical Rehabilitation*, **2017**, 31, 891-903	3.3	13
102	Constraint-induced movement therapy: from history to plasticity. *Expert Review of Neurotherapeutics*, **2012**, 12, 191-8	4.3	13

101	Role of Interhemispheric Cortical Interactions in Poststroke Motor Function. *Neurorehabilitation and Neural Repair*, **2019**, 33, 762-774	4.7	12
100	Partial weight support differentially affects corticomotor excitability across muscles of the upper limb. *Physiological Reports*, **2014**, 2, e12183	2.6	12
99	Concurrent assessment of muscle activity (CAMA). A procedural approach to assess treatment goals. *Physical Therapy*, **1986**, 66, 218-24	3.3	12
98	Paired associative stimulation modulates corticomotor excitability in chronic stroke: A preliminary investigation. *Restorative Neurology and Neuroscience*, **2018**, 36, 183-194	2.8	11
97	Attractor-Shape for Dynamical Analysis of Human Movement: Applications in Stroke Rehabilitation and Action Recognition **2013**,		11
96	Congruence of depressive symptom appraisal between persons with stroke and their caregivers.. *Rehabilitation Psychology*, **2007**, 52, 215-225	2.7	11
95	Interrater reliability of the Wolf Motor Function Test-Functional Ability Scale: why it matters. *Neurorehabilitation and Neural Repair*, **2015**, 29, 436-43	4.7	9
94	A Computational Framework for Quantitative Evaluation of Movement during Rehabilitation **2011**,		9
93	Use of electromyographic biofeedback during the acute phase of spinal cord injury: a case report. *Physical Therapy*, **1982**, 62, 290-4	3.3	9
92	A method for quantifying ambulatory activities. *Physical Therapy*, **1979**, 59, 767-8	3.3	9
91	Preliminary Reliability and Validity of a Family Caregiver Conflict Scale for Stroke. *Progress in Cardiovascular Nursing*, **2003**, 18, 77-83		9
90	Quantitative Analysis of Surface and Percutaneous Electromyographic Activity in Lumbar Erector Spinae of Normal Young Women. *Spine*, **1991**, 16, 155-161	3.3	9
89	Feasibility of a Low-Cost, Interactive Gaming System to Assess Balance in Older Women. *Journal of Aging and Physical Activity*, **2016**, 24, 111-8	1.6	8
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