

Michael L Boninger

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

275 papers	10,271 citations	50 h-index	89 g-index
303 ext. papers	11,829 ext. citations	2.9 avg, IF	6.01 L-index

#	Paper	IF	Citations
275	High-performance neuroprosthetic control by an individual with tetraplegia. <i>Lancet, The</i> , 2013 , 381, 557-64	4.4	1146
274	Reliability and diagnostic accuracy of the clinical examination and patient self-report measures for cervical radiculopathy. <i>Spine</i> , 2003 , 28, 52-62	3.3	383
273	Intracortical microstimulation of human somatosensory cortex. <i>Science Translational Medicine</i> , 2016 , 8, 361ra141	17.5	361
272	An acellular biologic scaffold promotes skeletal muscle formation in mice and humans with volumetric muscle loss. <i>Science Translational Medicine</i> , 2014 , 6, 234ra58	17.5	313
271	An electrocorticographic brain interface in an individual with tetraplegia. <i>PLoS ONE</i> , 2013 , 8, e55344	3.7	263
270	Wheelchair pushrim kinetics: body weight and median nerve function. <i>Archives of Physical Medicine and Rehabilitation</i> , 1999 , 80, 910-5	2.8	198
269	Propulsion patterns and pushrim biomechanics in manual wheelchair propulsion. <i>Archives of Physical Medicine and Rehabilitation</i> , 2002 , 83, 718-23	2.8	194
268	Shoulder joint kinetics and pathology in manual wheelchair users. <i>Clinical Biomechanics</i> , 2006 , 21, 781-9	2.2	181
267	Manual wheelchair pushrim biomechanics and axle position. <i>Archives of Physical Medicine and Rehabilitation</i> , 2000 , 81, 608-13	2.8	166
266	Neural interface technology for rehabilitation: exploiting and promoting neuroplasticity. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2010 , 21, 157-78	2.3	139
265	Functional priorities, assistive technology, and brain-computer interfaces after spinal cord injury. <i>Journal of Rehabilitation Research and Development</i> , 2013 , 50, 145-60		138
264	Assessing mobility characteristics and activity levels of manual wheelchair users. <i>Journal of Rehabilitation Research and Development</i> , 2007 , 44, 561-71		123
263	Outcome measures for gait and ambulation in the spinal cord injury population. <i>Journal of Spinal Cord Medicine</i> , 2008 , 31, 487-99	1.9	120
262	Assessing the influence of wheelchair technology on perception of participation in spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004 , 85, 1854-8	2.8	119
261	Pushrim forces and joint kinetics during wheelchair propulsion. <i>Archives of Physical Medicine and Rehabilitation</i> , 1996 , 77, 856-64	2.8	114
260	An acellular biologic scaffold treatment for volumetric muscle loss: results of a 13-patient cohort study. <i>Npj Regenerative Medicine</i> , 2016 , 1, 16008	15.8	109
259	Performance assessment of a pushrim-activated power-assisted wheelchair control system. <i>IEEE Transactions on Control Systems Technology</i> , 2002 , 10, 121-126	4.8	97

258	Recent trends in assistive technology for mobility. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2012 , 9, 20	5.3	92
257	Shoulder magnetic resonance imaging abnormalities, wheelchair propulsion, and gender. <i>Archives of Physical Medicine and Rehabilitation</i> , 2003 , 84, 1615-20	2.8	89
256	Development of a clinical prediction rule for the diagnosis of carpal tunnel syndrome. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005 , 86, 609-18	2.8	88
255	Shoulder biomechanics during the push phase of wheelchair propulsion: a multisite study of persons with paraplegia. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008 , 89, 667-76	2.8	87
254	Shoulder ultrasound abnormalities, physical examination findings, and pain in manual wheelchair users with spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008 , 89, 2086-93	2.8	85
253	Pushrim biomechanics and injury prevention in spinal cord injury: recommendations based on CULP-SCI investigations. <i>Journal of Rehabilitation Research and Development</i> , 2005 , 42, 9-19		84
252	Evaluation of a pushrim-activated, power-assisted wheelchair. <i>Archives of Physical Medicine and Rehabilitation</i> , 2001 , 82, 702-8	2.8	80
251	A kinetic analysis of manual wheelchair propulsion during start-up on select indoor and outdoor surfaces. <i>Journal of Rehabilitation Research and Development</i> , 2005 , 42, 447-58		74
250	Driving characteristics of electric-powered wheelchair users: how far, fast, and often do people drive?. <i>Archives of Physical Medicine and Rehabilitation</i> , 2002 , 83, 250-5	2.8	74
249	Human perception of electrical stimulation on the surface of somatosensory cortex. <i>PLoS ONE</i> , 2017 , 12, e0176020	3.7	74
248	Relation between median and ulnar nerve function and wrist kinematics during wheelchair propulsion. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004 , 85, 1141-5	2.8	73
247	Three-dimensional pushrim forces during two speeds of wheelchair propulsion. <i>American Journal of Physical Medicine and Rehabilitation</i> , 1997 , 76, 420-6	2.6	71
246	Impact of surface type, wheelchair weight, and axle position on wheelchair propulsion by novice older adults. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009 , 90, 1076-83	2.8	68
245	Manual wheelchair skills capacity predicts quality of life and community integration in persons with spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012 , 93, 2237-43	2.8	67
244	Comparison of fatigue life for 3 types of manual wheelchairs. <i>Archives of Physical Medicine and Rehabilitation</i> , 2001 , 82, 1484-8	2.8	63
243	The synergistic effect of treadmill running on stem-cell transplantation to heal injured skeletal muscle. <i>Tissue Engineering - Part A</i> , 2010 , 16, 839-49	3.9	62
242	Development and consumer validation of the Functional Evaluation in a Wheelchair (FEW) instrument. <i>Disability and Rehabilitation</i> , 2002 , 24, 38-46	2.4	62
241	User assessment of manual wheelchair ride comfort and ergonomics. <i>Archives of Physical Medicine and Rehabilitation</i> , 2000 , 81, 490-4	2.8	61

240	Implementation of a longitudinal mentored scholarly project: an approach at two medical schools. <i>Academic Medicine</i> , 2010 , 85, 429-37	3.9	59
239	Upper limb nerve entrapments in elite wheelchair racers. <i>American Journal of Physical Medicine and Rehabilitation</i> , 1996 , 75, 170-6	2.6	59
238	Performance of selected lightweight wheelchairs on ANSI/RESNA tests. American National Standards Institute-Rehabilitation Engineering and Assistive Technology Society of North America. <i>Archives of Physical Medicine and Rehabilitation</i> , 1997 , 78, 1138-44	2.8	56
237	Usage of tilt-in-space, recline, and elevation seating functions in natural environment of wheelchair users. <i>Journal of Rehabilitation Research and Development</i> , 2008 , 45, 973-83		56
236	A brain-computer interface that evokes tactile sensations improves robotic arm control. <i>Science</i> , 2021 , 372, 831-836	33.3	56
235	Preliminary outcomes of the SmartWheel UsersRGroup database: a proposed framework for clinicians to objectively evaluate manual wheelchair propulsion. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008 , 89, 260-8	2.8	55
234	Wheelchair repairs, breakdown, and adverse consequences for people with traumatic spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009 , 90, 2034-8	2.8	54
233	Effect of a pushrim-activated power-assist wheelchair on the functional capabilities of persons with tetraplegia. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005 , 86, 380-6	2.8	54
232	Wrist biomechanics during two speeds of wheelchair propulsion: an analysis using a local coordinate system. <i>Archives of Physical Medicine and Rehabilitation</i> , 1997 , 78, 364-72	2.8	53
231	Using wavelet analysis to characterize the thermoregulatory mechanisms of sacral skin blood flow. <i>Journal of Rehabilitation Research and Development</i> , 2004 , 41, 797-806		53
230	Required vs. elective research and in-depth scholarship programs in the medical student curriculum. <i>Academic Medicine</i> , 2010 , 85, 405-8	3.9	52
229	Shoulder kinematics and kinetics during two speeds of wheelchair propulsion. <i>Journal of Rehabilitation Research and Development</i> , 2002 , 39, 635-49		51
228	Reliability of quantitative ultrasound measures of the biceps and supraspinatus tendons. <i>Academic Radiology</i> , 2009 , 16, 1424-32	4.3	50
227	Trends and issues in wheelchair technologies. <i>Assistive Technology</i> , 2008 , 20, 61-72	1.5	50
226	Impact of a pushrim-activated power-assisted wheelchair on the metabolic demands, stroke frequency, and range of motion among subjects with tetraplegia. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004 , 85, 1865-71	2.8	50
225	Mechanisms by which acellular biologic scaffolds promote functional skeletal muscle restoration. <i>Biomaterials</i> , 2016 , 103, 128-136	15.6	49
224	Personalized neuromusculoskeletal modeling to improve treatment of mobility impairments: a perspective from European research sites. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2012 , 9, 18	5.3	49
223	. <i>Journal of Rehabilitation Research and Development</i> , 2008 , 45, 1281		49

222	The relationship between quality of life and change in mobility 1 year postinjury in individuals with spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011 , 92, 1027-33	2.8	48
221	The effect of muscle loading on skeletal muscle regenerative potential: an update of current research findings relating to aging and neuromuscular pathology. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2009 , 88, 145-55	2.6	48
220	Demographic and socioeconomic factors associated with disparity in wheelchair customizability among people with traumatic spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004 , 85, 1859-64	2.8	48
219	Glenohumeral joint kinematics and kinetics for three coordinate system representations during wheelchair propulsion. <i>American Journal of Physical Medicine and Rehabilitation</i> , 1999 , 78, 435-46	2.6	48
218	Targeted rehabilitation after extracellular matrix scaffold transplantation for the treatment of volumetric muscle loss. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2014 , 93, S79-87	2.6	47
217	Analysis of position and isometric joysticks for powered wheelchair driving. <i>IEEE Transactions on Biomedical Engineering</i> , 2000 , 47, 902-10	5	47
216	Evaluation of a manual wheelchair interface to computer games. <i>Neurorehabilitation and Neural Repair</i> , 2000 , 14, 21-31	4.7	47
215	Evaluation of selected ultralight manual wheelchairs using ANSI/RESNA standards. <i>Archives of Physical Medicine and Rehabilitation</i> , 1999 , 80, 462-7	2.8	47
214	Repeatability of ultrasonographic median nerve measures. <i>Muscle and Nerve</i> , 2010 , 41, 767-73	3.4	46
213	Comparison of virtual and real electric powered wheelchair driving using a position sensing joystick and an isometric joystick. <i>Medical Engineering and Physics</i> , 2002 , 24, 703-8	2.4	46
212	Biomechanics and strength of manual wheelchair users. <i>Journal of Spinal Cord Medicine</i> , 2005 , 28, 407-14	4.9	46
211	Mechanical efficiency and user power requirement with a pushrim activated power assisted wheelchair. <i>Medical Engineering and Physics</i> , 2001 , 23, 699-705	2.4	46
210	Increases in wheelchair breakdowns, repairs, and adverse consequences for people with traumatic spinal cord injury. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2012 , 91, 463-9	2.6	45
209	A preliminary model of wheelchair service delivery. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009 , 90, 1030-8	2.8	45
208	Engineering better wheelchairs to enhance community participation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2006 , 14, 438-55	4.8	44
207	Shoulder and elbow motion during two speeds of wheelchair propulsion: a description using a local coordinate system. <i>Spinal Cord</i> , 1998 , 36, 418-26	2.7	43
206	Comparison of skin perfusion response with alternating and constant pressures in people with spinal cord injury. <i>Spinal Cord</i> , 2011 , 49, 136-41	2.7	42
205	The emerging relationship between regenerative medicine and physical therapeutics. <i>Physical Therapy</i> , 2010 , 90, 1807-14	3.3	42

204	Investigating neck pain in wheelchair users. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2003 , 82, 197-202	2.6	42
203	Validation of grayscale-based quantitative ultrasound in manual wheelchair users: relationship to established clinical measures of shoulder pathology. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2010 , 89, 390-400	2.6	41
202	Autonomic dysreflexia: incidence in persons with neurologically complete and incomplete tetraplegia. <i>Journal of Spinal Cord Medicine</i> , 2003 , 26, 244-7	1.9	40
201	Collaborative approach in the development of high-performance brain-computer interfaces for a neuroprosthetic arm: translation from animal models to human control. <i>Clinical and Translational Science</i> , 2014 , 7, 52-9	4.9	39
200	Psychosocial well-being and community participation of service dog partners. <i>Disability and Rehabilitation: Assistive Technology</i> , 2006 , 1, 41-8	1.8	39
199	The GAME(Cycle) exercise system: comparison with standard ergometry. <i>Journal of Spinal Cord Medicine</i> , 2004 , 27, 453-9	1.9	39
198	Examining implicit bias of physicians who care for individuals with spinal cord injury: A pilot study and future directions. <i>Journal of Spinal Cord Medicine</i> , 2015 , 38, 102-10	1.9	38
197	Manual wheelchair propulsion patterns on natural surfaces during start-up propulsion. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009 , 90, 1916-23	2.8	38
196	Ultrasound imaging of acute biceps tendon changes after wheelchair sports. <i>Archives of Physical Medicine and Rehabilitation</i> , 2007 , 88, 381-5	2.8	38
195	Surface electromyography activity of trunk muscles during wheelchair propulsion. <i>Clinical Biomechanics</i> , 2006 , 21, 1032-41	2.2	37
194	Redefining the manual wheelchair stroke cycle: identification and impact of nonpropulsive pushrim contact. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009 , 90, 20-6	2.8	36
193	Motor cortical activity changes during neuroprosthetic-controlled object interaction. <i>Scientific Reports</i> , 2017 , 7, 16947	4.9	35
192	Carpal tunnel syndrome in manual wheelchair users with spinal cord injury: a cross-sectional multicenter study. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2009 , 88, 1007-16	2.6	35
191	The science behind mobility devices for individuals with multiple sclerosis. <i>Medical Engineering and Physics</i> , 2002 , 24, 375-83	2.4	35
190	Wheelchair Skills Capacity and Performance of Manual Wheelchair Users With Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016 , 97, 1761-9	2.8	34
189	Range of motion and stroke frequency differences between manual wheelchair propulsion and pushrim-activated power-assisted wheelchair propulsion. <i>Journal of Spinal Cord Medicine</i> , 2003 , 26, 135-40	1.9	34
188	Basic psychometric properties of the transfer assessment instrument (version 3.0). <i>Archives of Physical Medicine and Rehabilitation</i> , 2013 , 94, 2456-2464	2.8	33
187	Brain computer interface learning for systems based on electrocorticography and intracortical microelectrode arrays. <i>Frontiers in Integrative Neuroscience</i> , 2015 , 9, 40	3.2	32

186	Biomechanics of Sitting Pivot Transfers Among Individuals with a Spinal Cord Injury: A Review of the Current Knowledge. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2009 , 15, 33-58	1.5	32
185	Does computer game play aid in motivation of exercise and increase metabolic activity during wheelchair ergometry?. <i>Medical Engineering and Physics</i> , 2001 , 23, 267-73	2.4	31
184	Demographic characteristics of veterans who received wheelchairs and scooters from Veterans Health Administration. <i>Journal of Rehabilitation Research and Development</i> , 2006 , 43, 831-44		31
183	Brain Computer Interfaces in Rehabilitation Medicine. <i>PM and R</i> , 2018 , 10, S233-S243	2.2	31
182	Neuromuscular electrical stimulation as a method to maximize the beneficial effects of muscle stem cells transplanted into dystrophic skeletal muscle. <i>PLoS ONE</i> , 2013 , 8, e54922	3.7	30
181	Seat and footrest shocks and vibrations in manual wheelchairs with and without suspension. <i>Archives of Physical Medicine and Rehabilitation</i> , 2003 , 84, 96-102	2.8	30
180	Durability, value, and reliability of selected electric powered wheelchairs. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004 , 85, 805-14	2.8	30
179	Toward synergy-based brain-machine interfaces. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2011 , 15, 726-36		29
178	Type and Frequency of Reported Wheelchair Repairs and Related Adverse Consequences Among People With Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016 , 97, 1753-60	2.8	28
177	Reliability and validity analysis of the transfer assessment instrument. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011 , 92, 499-508	2.8	28
176	Investigation of factors associated with manual wheelchair mobility in persons with spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011 , 92, 484-90	2.8	28
175	Electrodiagnostic Evaluation of Individuals Implanted With Extracellular Matrix for the Treatment of Volumetric Muscle Injury: Case Series. <i>Physical Therapy</i> , 2016 , 96, 540-9	3.3	27
174	Filter frequency selection for manual wheelchair biomechanics. <i>Journal of Rehabilitation Research and Development</i> , 2002 , 39, 323-36		27
173	Factors related to injury in youth and adolescent baseball pitching, with an eye toward prevention. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2015 , 94, 395-409	2.6	26
172	Upper limb kinetic analysis of three sitting pivot wheelchair transfer techniques. <i>Clinical Biomechanics</i> , 2011 , 26, 923-9	2.2	26
171	Development of a wheelchair virtual driving environment: trials with subjects with traumatic brain injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008 , 89, 996-1003	2.8	26
170	Force control strategies while driving electric powered wheelchairs with isometric and movement-sensing joysticks. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2007 , 15, 144-50	4.8	26
169	Virtual reality and computer-enhanced training applied to wheeled mobility: an overview of work in Pittsburgh. <i>Assistive Technology</i> , 2005 , 17, 159-70	1.5	26

168	Handrim wheelchair propulsion training effect on overground propulsion using biomechanical real-time visual feedback. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013 , 94, 256-63	2.8	25
167	Hand rim wheelchair propulsion training using biomechanical real-time visual feedback based on motor learning theory principles. <i>Journal of Spinal Cord Medicine</i> , 2010 , 33, 33-42	1.9	25
166	Evaluation of the safety and durability of low-cost nonprogrammable electric powered wheelchairs. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005 , 86, 2361-70	2.8	25
165	A pilot study on community usage of a pushrim-activated, power-assisted wheelchair. <i>Assistive Technology</i> , 2003 , 15, 113-9	1.5	24
164	Evaluation of selected electric-powered wheelchairs using the ANSI/RESNA standards. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004 , 85, 611-9	2.8	24
163	Sensory restoration by epidural stimulation of the lateral spinal cord in upper-limb amputees. <i>ELife</i> , 2020 , 9,	8.9	24
162	Remapping cortical modulation for electrocorticographic brain-computer interfaces: a somatotopy-based approach in individuals with upper-limb paralysis. <i>Journal of Neural Engineering</i> , 2018 , 15, 026021	5	24
161	Advanced Robotic Therapy Integrated Centers (ARTIC): an international collaboration facilitating the application of rehabilitation technologies. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018 , 15, 30	5.3	23
160	Patterns, predictors, and associated benefits of driving a modified vehicle after spinal cord injury: findings from the National Spinal Cord Injury Model Systems. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011 , 92, 477-83	2.8	23
159	The association of race, cultural factors, and health-related quality of life in persons with spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011 , 92, 441-8	2.8	23
158	Biomechanical analysis of functional electrical stimulation on trunk musculature during wheelchair propulsion. <i>Neurorehabilitation and Neural Repair</i> , 2009 , 23, 717-25	4.7	23
157	Use of the Independence 3000 IBOT Transporter at home and in the community. <i>Journal of Spinal Cord Medicine</i> , 2003 , 26, 79-85	1.9	23
156	Distribution and cost of wheelchairs and scooters provided by Veterans Health Administration. <i>Journal of Rehabilitation Research and Development</i> , 2007 , 44, 581-92		23
155	Effectiveness of Group Wheelchair Skills Training for People With Spinal Cord Injury: A Randomized Controlled Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016 , 97, 1777-1784.e3	2.8	23
154	The relationship between independent transfer skills and upper limb kinetics in wheelchair users. <i>BioMed Research International</i> , 2014 , 2014, 984526	3	22
153	Ultrasonographic median nerve changes after a wheelchair sporting event. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009 , 90, 1489-94	2.8	22
152	Effects of computer keyboarding on ultrasonographic measures of the median nerve. <i>American Journal of Industrial Medicine</i> , 2011 , 54, 826-33	2.7	21
151	Effect of an intense wheelchair propulsion task on quantitative ultrasound of shoulder tendons. <i>PM and R</i> , 2010 , 2, 920-5	2.2	21

150	A preliminary study on the impact of pushrim-activated power-assist wheelchairs among individuals with tetraplegia. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2008 , 87, 821-9	2.6	21
149	Impact of the clinical practice guideline for preservation of upper limb function on transfer skills of persons with acute spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013 , 94, 1230-46	2.8	20
148	Braking electric-powered wheelchairs: effect of braking method, seatbelt, and legrests. <i>Archives of Physical Medicine and Rehabilitation</i> , 1998 , 79, 1244-9	2.8	20
147	Evaluation of selected sidewalk pavement surfaces for vibration experienced by users of manual and powered wheelchairs. <i>Journal of Spinal Cord Medicine</i> , 2004 , 27, 468-75	1.9	20
146	Vibration exposure of individuals using wheelchairs over sidewalk surfaces. <i>Disability and Rehabilitation</i> , 2005 , 27, 1443-9	2.4	20
145	Multisite comparison of wheelchair propulsion kinetics in persons with paraplegia. <i>Journal of Rehabilitation Research and Development</i> , 2007 , 44, 449-58		20
144	Motor-related brain activity during action observation: a neural substrate for electrocorticographic brain-computer interfaces after spinal cord injury. <i>Frontiers in Integrative Neuroscience</i> , 2014 , 8, 17	3.2	19
143	Emergency evacuation readiness of full-time wheelchair users with spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011 , 92, 491-8	2.8	19
142	Wheeled mobility: factors influencing mobility and assistive technology in veterans and servicemembers with major traumatic limb loss from Vietnam war and OIF/OEF conflicts. <i>Journal of Rehabilitation Research and Development</i> , 2010 , 47, 349-60		19
141	Computer keyboarding biomechanics and acute changes in median nerve indicative of carpal tunnel syndrome. <i>Clinical Biomechanics</i> , 2015 , 30, 546-50	2.2	18
140	Differences between manufacturers in reported power wheelchair repairs and adverse consequences among people with spinal cord injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014 , 95, 597-603	2.8	18
139	Intracortical Microstimulation as a Feedback Source for Brain-Computer Interface Users. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2017 , 43-54	0.4	18
138	Postural changes with aging in tetraplegia: effects on life satisfaction and pain. <i>Archives of Physical Medicine and Rehabilitation</i> , 1998 , 79, 1577-81	2.8	18
137	Advancements in power wheelchair joystick technology: Effects of isometric joysticks and signal conditioning on driving performance. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2006 , 85, 631-9	2.6	18
136	Manual wheelchair pushrim dynamics in people with multiple sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004 , 85, 935-42	2.8	18
135	Transfer Technique Is Associated With Shoulder Pain and Pathology in People With Spinal Cord Injury: A Cross-Sectional Investigation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016 , 97, 1770-6	2.8	18
134	Scholarly Research Projects Benefit Medical Students Research Productivity and Residency Choice: Outcomes From the University of Pittsburgh School of Medicine. <i>Academic Medicine</i> , 2018 , 93, 1727-1734	3.9	18
133	Association between presence of pneumonia and pressure ulcer formation following traumatic spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2017 , 40, 415-422	1.9	17

132	Flight simulation using a Brain-Computer Interface: A pilot, pilot study. <i>Experimental Neurology</i> , 2017 , 287, 473-478	5.7	17
131	Longitudinal Prediction of Quality-of-Life Scores and Locomotion in Individuals With Traumatic Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017 , 98, 2385-2392	2.8	17
130	Health risks of vibration exposure to wheelchair users in the community. <i>Journal of Spinal Cord Medicine</i> , 2013 , 36, 365-75	1.9	17
129	The development of a nationwide registry of wheelchair users. <i>Disability and Rehabilitation: Assistive Technology</i> , 2007 , 2, 358-65	1.8	17
128	Fatigue testing of selected suspension manual wheelchairs using ANSI/RESNA standards. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005 , 86, 123-9	2.8	17
127	Does upper-limb muscular demand differ between preferred and nonpreferred sitting pivot transfer directions in individuals with a spinal cord injury?. <i>Journal of Rehabilitation Research and Development</i> , 2009 , 46, 1099-108		17
126	Major trends in mobility technology research and development: overview of the results of the NSF-WTEC European study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2012 , 9, 22	5.3	16
125	Effectiveness of a Wellness Program for Individuals With Spina Bifida and Spinal Cord Injury Within an Integrated Delivery System. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016 , 97, 1969-1978	2.8	16
124	Wheelchair Breakdowns Are Associated With Pain, Pressure Injuries, Rehospitalization, and Self-Perceived Health in Full-Time Wheelchair Users With Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018 , 99, 1949-1956	2.8	16
123	Taking the Next Steps in Regenerative Rehabilitation: Establishment of a New Interdisciplinary Field. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020 , 101, 917-923	2.8	15
122	Identification of distinct monocyte phenotypes and correlation with circulating cytokine profiles in acute response to spinal cord injury: a pilot study. <i>PM and R</i> , 2014 , 6, 332-41	2.2	15
121	Comparison between overground and dynamometer manual wheelchair propulsion. <i>Journal of Applied Biomechanics</i> , 2012 , 28, 412-9	1.2	15
120	Future directions for spinal cord injury research: recent developments and model systems contributions. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011 , 92, 509-15	2.8	15
119	Functional overloading of dystrophic mice enhances muscle-derived stem cell contribution to muscle contractile capacity. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009 , 90, 66-73	2.8	15
118	Implicit Grasp Force Representation in Human Motor Cortical Recordings. <i>Frontiers in Neuroscience</i> , 2018 , 12, 801	5.1	15
117	Lower extremity outcome measures: considerations for clinical trials in spinal cord injury. <i>Spinal Cord</i> , 2018 , 56, 628-642	2.7	14
116	Early Detection of Pressure Ulcer Development Following Traumatic Spinal Cord Injury Using Inflammatory Mediators. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016 , 97, 1656-62	2.8	14
115	Impact of a wheelchair education protocol based on practice guidelines for preservation of upper-limb function: a randomized trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014 , 95, 10-19.	2.8	14

114	The effect of symptoms of carpal tunnel syndrome on ultrasonographic median nerve measures before and after wheelchair propulsion. <i>PM and R</i> , 2011 , 3, 803-10	2.2	14
113	Investigation of the performance of an ergonomic handrim as a pain-relieving intervention for manual wheelchair users. <i>Assistive Technology</i> , 2006 , 18, 123-43; quiz 145	1.5	14
112	Resident research education in physical medicine and rehabilitation: a practical approach. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2001 , 80, 706-12	2.6	14
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