

# Rory A Cooper

## List of Publications by Year in descending order

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269  
papers

8,283  
citations

46918

47  
h-index

76769

74  
g-index

283  
all docs

283  
docs citations

283  
times ranked

3514  
citing authors

#	ARTICLE	IF	CITATIONS
1	Propulsion patterns and pushrim biomechanics in manual wheelchair propulsion. Archives of Physical Medicine and Rehabilitation, 2002, 83, 718-723.	0.5	235
2	Wheelchair pushrim kinetics: Body weight and median nerve function. Archives of Physical Medicine and Rehabilitation, 1999, 80, 910-915.	0.5	229
3	Shoulder joint kinetics and pathology in manual wheelchair users. Clinical Biomechanics, 2006, 21, 781-789.	0.5	215
4	Sensor technology for smart homes. Maturitas, 2011, 69, 131-136.	1.0	212
5	Manual wheelchair pushrim biomechanics and axle position. Archives of Physical Medicine and Rehabilitation, 2000, 81, 608-613.	0.5	187
6	How many people would benefit from a smart wheelchair?. Journal of Rehabilitation Research and Development, 2008, 45, 53-72.	1.6	181
7	The Role of Assistive Robotics in the Lives of Persons with Disability. American Journal of Physical Medicine and Rehabilitation, 2010, 89, 509-521.	0.7	159
8	Assessing mobility characteristics and activity levels of manual wheelchair users. Journal of Rehabilitation Research and Development, 2007, 44, 561.	1.6	140
9	Pushrim forces and joint kinetics during wheelchair propulsion. Archives of Physical Medicine and Rehabilitation, 1996, 77, 856-864.	0.5	136
10	Assessing the influence of wheelchair technology on perception of participation in spinal cord injury <sup>11</sup> No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit upon the author(s) or upon any organization with which the author(s) is/are associated.. Archives of Physical Medicine and Rehabilitation, 2004, 85, 1854-1858.	0.5	132
11	Intelligent walkers for the elderly: Performance and safety testing of VA-PAMAID robotic walker. Journal of Rehabilitation Research and Development, 2003, 40, 423.	1.6	118
12	Pushrim biomechanics and injury prevention in spinal cord injury: Recommendations based on CULP-SCI investigations. Journal of Rehabilitation Research and Development, 2004, 42, 9.	1.6	111
13	Shoulder magnetic resonance imaging abnormalities, wheelchair propulsion, and gender <sup>11</sup> No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit upon the authors(s) or upon any organization with which the author(s) is/are associated.. Archives of Physical Medicine and Rehabilitation, 2003, 84, 1615-1620.	0.5	106
14	Assistive technology products: a position paper from the first global research, innovation, and education on assistive technology (GREAT) summit. Disability and Rehabilitation: Assistive Technology, 2018, 13, 473-485.	1.3	103
15	Shoulder Biomechanics During the Push Phase of Wheelchair Propulsion: A Multisite Study of Persons With Paraplegia. Archives of Physical Medicine and Rehabilitation, 2008, 89, 667-676.	0.5	102
16	A kinetic analysis of manual wheelchair propulsion during start-up on select indoor and outdoor surfaces. Journal of Rehabilitation Research and Development, 2005, 42, 447.	1.6	98
17	THREE-DIMENSIONAL PUSHRIM FORCES DURING TWO SPEEDS OF WHEELCHAIR PROPULSION <sup>1</sup> . American Journal of Physical Medicine and Rehabilitation, 1997, 76, 420-426.	0.7	97
18	Driving characteristics of electric-powered wheelchair users: How far, fast, and often do people drive?. Archives of Physical Medicine and Rehabilitation, 2002, 83, 250-255.	0.5	92

#	ARTICLE	IF	CITATIONS
19	Relation between median and ulnar nerve function and wrist kinematics during wheelchair propulsion. Archives of Physical Medicine and Rehabilitation, 2004, 85, 1141-1145.	0.5	89
20	Evaluation of a pushrim-activated, power-assisted wheelchair. Archives of Physical Medicine and Rehabilitation, 2001, 82, 702-708.	0.5	88
21	Psychosocial impact of participation in the National Veterans Wheelchair Games and Winter Sports Clinic. Disability and Rehabilitation, 2009, 31, 410-418.	0.9	82
22	Wheelchair racing sports science: A review. Journal of Rehabilitation Research and Development, 1990, 27, 295.	1.6	77
23	A perspective on intelligent devices and environments in medical rehabilitation. Medical Engineering and Physics, 2008, 30, 1387-1398.	0.8	74
24	Quantification of Activity During Wheelchair Basketball and Rugby at the National Veterans Wheelchair Games. Prosthetics and Orthotics International, 2009, 33, 210-217.	0.5	74
25	UPPER LIMB NERVE ENTRAPMENTS IN ELITE WHEELCHAIR RACERS <sup>1</sup> . American Journal of Physical Medicine and Rehabilitation, 1996, 75, 170-176.	0.7	74
26	Functional assessment and performance evaluation for assistive robotic manipulators: Literature review. Journal of Spinal Cord Medicine, 2013, 36, 273-289.	0.7	72
27	Comparison of fatigue life for 3 types of manual wheelchairs. Archives of Physical Medicine and Rehabilitation, 2001, 82, 1484-1488.	0.5	70
28	Usage of tilt-in-space, recline, and elevation seating functions in natural environment of wheelchair users. Journal of Rehabilitation Research and Development, 2008, 45, 973-984.	1.6	70
29	User assessment of manual wheelchair ride comfort and ergonomics. Archives of Physical Medicine and Rehabilitation, 2000, 81, 490-494.	0.5	69
30	Lower-limb prostheses and wheelchairs in low-income countries [An Overview]. IEEE Engineering in Medicine and Biology Magazine, 2008, 27, 12-22.	1.1	68
31	Evaluation of a Manual Wheelchair Interface to Computer Games. Neurorehabilitation and Neural Repair, 2000, 14, 21-31.	1.4	66
32	Wheelchair Repairs, Breakdown, and Adverse Consequences for People With Traumatic Spinal Cord Injury. Archives of Physical Medicine and Rehabilitation, 2009, 90, 2034-2038.	0.5	64
33	Performance of selected lightweight wheelchairs on ANSI/RESNA tests. Archives of Physical Medicine and Rehabilitation, 1997, 78, 1138-1144.	0.5	63
34	Preliminary Outcomes of the SmartWheel Usersâ€™™ Group Database: A Proposed Framework for Clinicians to Objectively Evaluate Manual Wheelchair Propulsion. Archives of Physical Medicine and Rehabilitation, 2008, 89, 260-268.	0.5	63
35	Effect of a pushrim-activated power-assist wheelchair on the functional capabilities of persons with tetraplegia. Archives of Physical Medicine and Rehabilitation, 2005, 86, 380-386.	0.5	62
36	Demographic and socioeconomic factors associated with disparity in wheelchair customizability among people with traumatic spinal cord injury. Archives of Physical Medicine and Rehabilitation, 2004, 85, 1859-1864.	0.5	59

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37	Biomechanics and Strength of Manual Wheelchair Users. Journal of Spinal Cord Medicine, 2005, 28, 407-414.	0.7	59
38	Engineering Better Wheelchairs to Enhance Community Participation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006, 14, 438-455.	2.7	59
39	Trends and Issues in Wheelchair Technologies. Assistive Technology, 2008, 20, 61-72.	1.2	59
40	GLENOHUMERAL JOINT KINEMATICS AND KINETICS FOR THREE COORDINATE SYSTEM REPRESENTATIONS DURING WHEELCHAIR PROPULSION1. American Journal of Physical Medicine and Rehabilitation, 1999, 78, 435-446.	0.7	59
41	Impact of a pushrim-activated power-assisted wheelchair on the metabolic demands, stroke frequency, and range of motion among subjects with tetraplegia. Archives of Physical Medicine and Rehabilitation, 2004, 85, 1865-1871.	0.5	58
42	Prosthesis and wheelchair use in veterans with lower-limb amputation. Journal of Rehabilitation Research and Development, 2009, 46, 567.	1.6	58
43	Investigating Neck Pain in Wheelchair Users. American Journal of Physical Medicine and Rehabilitation, 2003, 82, 197-202.	0.7	57
44	Shoulder kinematics and kinetics during two speeds of wheelchair propulsion. Journal of Rehabilitation Research and Development, 2002, 39, 635-49.	1.6	56
45	Comparison of virtual and real electric powered wheelchair driving using a position sensing joystick and an isometric joystick. Medical Engineering and Physics, 2002, 24, 703-708.	0.8	55
46	Increases in Wheelchair Breakdowns, Repairs, and Adverse Consequences for People with Traumatic Spinal Cord Injury. American Journal of Physical Medicine and Rehabilitation, 2012, 91, 463-469.	0.7	55
47	Mechanical efficiency and user power requirement with a pushrim activated power assisted wheelchair. Medical Engineering and Physics, 2001, 23, 699-705.	0.8	52
48	Test-retest reliability of the functional mobility assessment (FMA): a pilot study. Disability and Rehabilitation: Assistive Technology, 2013, 8, 213-219.	1.3	52
49	Adaptive Sports Technology and Biomechanics: Wheelchairs. PM and R, 2014, 6, S31-9.	0.9	50
50	Shoulder and elbow motion during two speeds of wheelchair propulsion: a description using a local coordinate system. Spinal Cord, 1998, 36, 418-426.	0.9	49
51	Tips and falls during electric-powered wheelchair driving: effects of seatbelt use, legrests, and driving speed11No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit on the author(s) or on any organization with which the author(s) is/are associated.. Archives of Physical Medicine and Rehabilitation, 2003, 84, 1797-1802.	0.5	49
52	Joystick Control for Powered Mobility: Current State of Technology and Future Directions. Physical Medicine and Rehabilitation Clinics of North America, 2010, 21, 79-86.	0.7	49
53	Evaluation of selected ultralight manual wheelchairs using ANSI/RESNA standards. Archives of Physical Medicine and Rehabilitation, 1999, 80, 462-467.	0.5	48
54	Manual Wheelchair Propulsion Patterns on Natural Surfaces During Start-Up Propulsion. Archives of Physical Medicine and Rehabilitation, 2009, 90, 1916-1923.	0.5	46

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55	A systems approach to the modeling of racing wheelchair propulsion. <i>Journal of Rehabilitation Research and Development</i> , 1990, 27, 151.	1.6	45
56	The Game<sup>cycle</sup>Exercise System: Comparison With Standard Ergometry. <i>Journal of Spinal Cord Medicine</i> , 2004, 27, 453-459.	0.7	44
57	Wheelchair Tennis Match-Play Demands: Effect of Player Rank and Result. <i>International Journal of Sports Physiology and Performance</i> , 2013, 8, 28-37.	1.1	44
58	SMARTWheel. <i>Prosthetics and Orthotics International</i> , 2009, 33, 198-209.	0.5	42
59	Engineering Manual and Electric Powered Wheelchairs. <i>Critical Reviews in Biomedical Engineering</i> , 1999, 27, 27-73.	0.5	42
60	Does computer game play aid in motivation of exercise and increase metabolic activity during wheelchair ergometry?. <i>Medical Engineering and Physics</i> , 2001, 23, 267-273.	0.8	41
61	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, 1753-1760.	0.5	40
62	The Voice of the Consumer: A Survey of Veterans and Other Users of Assistive Technology. <i>Military Medicine</i> , 2018, 183, e518-e525.	0.4	39
63	Demographic characteristics of veterans who received wheelchairs and scooters from Veterans Health Administration. <i>Journal of Rehabilitation Research and Development</i> , 2006, 43, 831.	1.6	39
64	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, 135-140.	0.7	38
65	Design Features That Affect the Maneuverability of Wheelchairs and Scooters. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010, 91, 759-764.	0.5	38
66	Detection of physical activities using a physical activity monitor system for wheelchair users. <i>Medical Engineering and Physics</i> , 2015, 37, 68-76.	0.8	38
67	Development of a wheelchair maintenance training programme and questionnaire for clinicians and wheelchair users. <i>Disability and Rehabilitation: Assistive Technology</i> , 2017, 12, 843-851.	1.3	36
68	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.	0.5	35
69	Integrated Control and Related Technology of Assistive Devices. <i>Assistive Technology</i> , 2003, 15, 89-97.	1.2	35
70	Issues in maintenance and repairs of wheelchairs: A pilot study. <i>Journal of Rehabilitation Research and Development</i> , 2005, 42, 853.	1.6	35
71	Durability, value, and reliability of selected electric powered wheelchairs <sup>11</sup> No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit upon the author(s) or upon any organization with which the author(s) is/are associated. <i>Archives of Physical Medicine and Rehabilitation</i> . 2004. 85. 805-814.	0.5	33
72	Carrying the Torch: A Call to Build on the Progress of the Past 25 Years. <i>Journal of Spinal Cord Medicine</i> , 2006, 29, 5-9.	0.7	32

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73	Quantifying Wheelchair Activity of Children. American Journal of Physical Medicine and Rehabilitation, 2008, 87, 977-983.	0.7	32
74	Use Of The Independence 3000 Ibot Transporter At Home And In The Community. Journal of Spinal Cord Medicine, 2003, 26, 79-85.	0.7	31
75	Evaluation Of Selected Sidewalk Pavement Surfaces For Vibration Experienced By Users Of Manual And Powered Wheelchairs. Journal of Spinal Cord Medicine, 2004, 27, 468-475.	0.7	31
76	Development of a consumer-driven Wheelchair Seating Discomfort Assessment Tool (WcS-DAT). International Journal of Rehabilitation Research, 2004, 27, 85-90.	0.7	30
77	Vibration exposure of individuals using wheelchairs over sidewalk surfaces. Disability and Rehabilitation, 2005, 27, 1443-1449.	0.9	30
78	Virtual Reality and Computer-Enhanced Training Applied to Wheeled Mobility: An Overview of Work in Pittsburgh. Assistive Technology, 2005, 17, 159-170.	1.2	30
79	Evaluation of the Safety and Durability of Low-Cost Nonprogrammable Electric Powered Wheelchairs. Archives of Physical Medicine and Rehabilitation, 2005, 86, 2361-2370.	0.5	30
80	Force Control Strategies While Driving Electric Powered Wheelchairs With Isometric and Movement-Sensing Joysticks. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2007, 15, 144-150.	2.7	30
81	Satisfaction related to wheelchair use in older adults in both nursing homes and community dwelling. Disability and Rehabilitation: Assistive Technology, 2009, 4, 337-343.	1.3	30
82	Evaluation of aluminum ultralight rigid wheelchairs versus other ultralight wheelchairs using ANSI/RESNA standards. Journal of Rehabilitation Research and Development, 2010, 47, 441.	1.6	30
83	Development of a contextually appropriate, reliable and valid basic Wheelchair Service Provision Test. Disability and Rehabilitation: Assistive Technology, 2017, 12, 333-340.	1.3	30
84	Systematic review: Automated vehicles and services for people with disabilities. Neuroscience Letters, 2021, 761, 136103.	1.0	30
85	A Pilot Study on Community Usage of a Pushrim-Activated, Power-Assisted Wheelchair. Assistive Technology, 2003, 15, 113-119.	1.2	29
86	Real-time model based electrical powered wheelchair control. Medical Engineering and Physics, 2009, 31, 1244-1254.	0.8	29
87	Wheeled mobility: Factors influencing mobility and assistive technology in veterans and servicemembers with major traumatic limb loss from Vietnam war and OIF/OEF conflicts. Journal of Rehabilitation Research and Development, 2010, 47, 349.	1.6	29
88	Virtual Coach Technology for Supporting Self-Care. Physical Medicine and Rehabilitation Clinics of North America, 2010, 21, 179-194.	0.7	29
89	Filter frequency selection for manual wheelchair biomechanics. Journal of Rehabilitation Research and Development, 2002, 39, 323-36.	1.6	29
90	Evaluation of selected electric-powered wheelchairs using the ANSI/RESNA standards. Archives of Physical Medicine and Rehabilitation, 2004, 85, 611-619.	0.5	28

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91	Factors Associated with Provision of Wheelchairs in Older Adults. <i>Assistive Technology</i> , 2012, 24, 155-167.	1.2	28
92	The future of the provision process for mobility assistive technology: a survey of providers. <i>Disability and Rehabilitation: Assistive Technology</i> , 2019, 14, 338-345.	1.3	28
93	Towards the development of an effective technology transfer model of wheelchairs to developing countries. <i>Disability and Rehabilitation: Assistive Technology</i> , 2006, 1, 103-110.	1.3	27
94	New design and development of a manual wheelchair for India. <i>Disability and Rehabilitation</i> , 2007, 29, 949-962.	0.9	27
95	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.	0.5	27
96	Development and evaluation of a gyroscope-based wheel rotation monitor for manual wheelchair users. <i>Journal of Spinal Cord Medicine</i> , 2013, 36, 347-356.	0.7	27
97	Criterion validity and accuracy of global positioning satellite and data logging devices for wheelchair tennis court movement. <i>Journal of Spinal Cord Medicine</i> , 2013, 36, 383-393.	0.7	27
98	Participatory design and validation of mobility enhancement robotic wheelchair. <i>Journal of Rehabilitation Research and Development</i> , 2015, 52, 739-750.	1.6	27
99	An Exploratory Study of Racing Wheelchair Propulsion Dynamics. <i>Adapted Physical Activity Quarterly</i> , 1990, 7, 74-85.	0.6	26
100	Braking electric-powered wheelchairs: Effect of braking method, seatbelt, and legrests. <i>Archives of Physical Medicine and Rehabilitation</i> , 1998, 79, 1244-1249.	0.5	26
101	Design and User Evaluation of a Wheelchair Mounted Robotic Assisted Transfer Device. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	26
102	Multisite comparison of wheelchair propulsion kinetics in persons with paraplegia. <i>Journal of Rehabilitation Research and Development</i> , 2007, 44, 449.	1.6	26
103	Distribution and cost of wheelchairs and scooters provided by Veterans Health Administration. <i>Journal of Rehabilitation Research and Development</i> , 2007, 44, 581.	1.6	26
104	Test-Retest Reliability, Internal Item Consistency, and Concurrent Validity of the Wheelchair Seating Discomfort Assessment Tool. <i>Assistive Technology</i> , 2005, 17, 98-107.	1.2	25
105	Biomechanical Analysis of Functional Electrical Stimulation on Trunk Musculature During Wheelchair Propulsion. <i>Neurorehabilitation and Neural Repair</i> , 2009, 23, 717-725.	1.4	25
106	Personal Mobility and Manipulation Appliance Design, Development, and Initial Testing. <i>Proceedings of the IEEE</i> , 2012, 100, 2505-2511.	16.4	25
107	Assessment of wheelchair driving performance in a virtual reality-based simulator. <i>Journal of Spinal Cord Medicine</i> , 2013, 36, 322-332.	0.7	25
108	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, 631-639.	0.7	24

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109	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, 821-829.	0.7	24
110	Manual wheelchair-related mobility characteristics of older adults in nursing homes. <i>Disability and Rehabilitation: Assistive Technology</i> , 2010, 5, 428-437.	1.3	24
111	Quality-of-Life Technology for People with Spinal Cord Injuries. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2010, 21, 1-13.	0.7	24
112	Step-Climbing Power Wheelchairs: A Literature Review. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2017, 23, 98-109.	0.8	24
113	Title is missing!. <i>Journal of Rehabilitation Research and Development</i> , 2008, 45, 1251.	1.6	24
114	A perspective on the ultralight wheelchair revolution. <i>Technology and Disability</i> , 1996, 5, 383-392.	0.3	23
115	Three-Dimensional Kinematic Analysis and Physiologic Assessment of Racing Wheelchair Propulsion. <i>Adapted Physical Activity Quarterly</i> , 1998, 15, 1-14.	0.6	23
116	The Relationship Between Wheelchair Mobility Patterns and Community Participation Among Individuals With Spinal Cord Injury. <i>Assistive Technology</i> , 2011, 23, 177-183.	1.2	23
117	Stakeholder perspectives on research and development priorities for mobility assistive-technology: a literature review. <i>Disability and Rehabilitation: Assistive Technology</i> , 2021, 16, 362-376.	1.3	23
118	Person transfer assist systems: a literature review. <i>Disability and Rehabilitation: Assistive Technology</i> , 2021, 16, 270-279.	1.3	23
119	Upper Limb Strength in Individuals With Spinal Cord Injury Who Use Manual Wheelchairs. <i>Journal of Spinal Cord Medicine</i> , 2005, 28, 26-32.	0.7	22
120	A Heuristic Approach to Overcome Architectural Barriers Using a Robotic Wheelchair. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 1846-1854.	2.7	21
121	Fatigue testing of selected suspension manual wheelchairs using ANSI/RESNA standards. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005, 86, 123-129.	0.5	20
122	Current State of Mobility Technology Provision in Less-Resourced Countries. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2010, 21, 221-242.	0.7	20
123	Rehabilitation of People with Lower-Limb Amputations. <i>Current Physical Medicine and Rehabilitation Reports</i> , 2014, 2, 263-272.	0.3	20
124	Postural changes with aging in tetraplegia: Effects on life satisfaction and pain. <i>Archives of Physical Medicine and Rehabilitation</i> , 1998, 79, 1577-1581.	0.5	19
125	Development and qualitative assessment of the GAME/sup Cycle/ exercise system. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2006, 14, 83-90.	2.7	19
126	Development of an advanced mobile base for personal mobility and manipulation appliance generation II robotic wheelchair. <i>Journal of Spinal Cord Medicine</i> , 2013, 36, 333-346.	0.7	19



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127	Stability analysis of electrical powered wheelchair-mounted robotic-assisted transfer device. <i>Journal of Rehabilitation Research and Development</i> , 2014, 51, 761-774.	1.6	19
128	Evaluating the usability of a smartphone virtual seating coach application for powered wheelchair users. <i>Medical Engineering and Physics</i> , 2016, 38, 569-575.	0.8	19
129	Estimation of Energy Expenditure for Wheelchair Users Using a Physical Activity Monitoring System. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 1146-1153.e1.	0.5	19
130	Design, development and testing of a low-cost electric powered wheelchair for India. <i>Disability and Rehabilitation: Assistive Technology</i> , 2009, 4, 42-57.	1.3	18
131	A Participatory Approach to Develop the Power Mobility Screening Tool and the Power Mobility Clinical Driving Assessment Tool. <i>BioMed Research International</i> , 2014, 2014, 1-15.	0.9	18
132	Design and evaluation of a seat orientation controller during uneven terrain driving. <i>Medical Engineering and Physics</i> , 2016, 38, 241-247.	0.8	18
133	Evaluation of Pushrim-Activated Power-Assisted Wheelchairs Using ANSI/RESNA Standards. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 1191-1198.	0.5	17
134	Performance evaluation of The Personal Mobility and Manipulation Appliance (PerMMA). <i>Medical Engineering and Physics</i> , 2013, 35, 1613-1619.	0.8	17
135	Evaluation of lightweight wheelchairs using ANSI/RESNA testing standards. <i>Journal of Rehabilitation Research and Development</i> , 2013, 50, 1373-1390.	1.6	17
136	Innovation in Transfer Assist Technologies for Persons with Severe Disabilities and Their Caregivers. <i>IEEE Potentials</i> , 2017, 36, 34-41.	0.2	17
137	Rehabilitation Engineering: A perspective on the past 40-years and thoughts for the future. <i>Medical Engineering and Physics</i> , 2019, 72, 3-12.	0.8	17
138	Training Practices of Athletes Who Participated in the National Wheelchair Athletic Association Training Camps. <i>Adapted Physical Activity Quarterly</i> , 1992, 9, 249-260.	0.6	16
139	Wheelchairs and seating: Issues and practice. <i>Technology and Disability</i> , 1996, 5, 3-16.	0.3	16
140	A sports wheelchair for low-income countries. <i>Disability and Rehabilitation</i> , 2007, 29, 963-967.	0.9	16
141	Relationship between wheelchair durability and wheelchair type and years of test. <i>Disability and Rehabilitation: Assistive Technology</i> , 2010, 5, 318-322.	1.3	16
142	Technology to improve sports performance in wheelchair sports. <i>Sports Technology</i> , 2012, 5, 4-19.	0.4	16
143	Immediate Biomechanical Implications of Transfer Component Skills Training on Independent Wheelchair Transfers. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 1785-1792.	0.5	16
144	Kinematics and Stability Analysis of a Novel Power Wheelchair When Traversing Architectural Barriers. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2017, 23, 110-119.	0.8	16

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145	Full-participation of students with physical disabilities in science and engineering laboratories. <i>Disability and Rehabilitation: Assistive Technology</i> , 2018, 13, 186-193.	1.3	16
146	Usability Evaluation of a Novel Robotic Power Wheelchair for Indoor and Outdoor Navigation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 627-637.	0.5	16
147	Further Development of a Robotic-Assisted Transfer Device. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2017, 23, 140-146.	0.8	16
148	Wheelchair Standards: It's All About Quality Assurance and Evidence-based Practice. <i>Journal of Spinal Cord Medicine</i> , 2006, 29, 93-94.	0.7	15
149	Investigation of the Performance of an Ergonomic Handrim as a Pain-Relieving Intervention for Manual Wheelchair Users. <i>Assistive Technology</i> , 2006, 18, 123-145.	1.2	15
150	Guest Editorial: Wheelchair research progress, perspectives, and transformation. <i>Journal of Rehabilitation Research and Development</i> , 2012, 49, 1.	1.6	15
151	Assistive Technology in Rehabilitation: Improving Impact Through Policy. <i>Rehabilitation Research Policy and Education</i> , 2012, 26, 19-32.	0.2	15
152	Comparing the Activity Profiles of Wheelchair Rugby Using a Miniaturised Data Logger and Radio-Frequency Tracking System. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	15
153	Assessment of Usability and Task Load Demand Using a Robot-Assisted Transfer Device Compared With a Hoyer Advance for Dependent Wheelchair Transfers. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2019, 98, 729-734.	0.7	15
154	Reflections on recovery, rehabilitation and reintegration of injured service members and veterans from a bio-psychosocial-spiritual perspective. <i>Canadian Journal of Surgery</i> , 2018, 61, S219-S231.	0.5	15
155	The contribution of selected anthropometric and physiological variables to 10K performance of wheelchair racers: A preliminary study. <i>Journal of Rehabilitation Research and Development</i> , 1992, 29, 29.	1.6	15
156	Use of the INDEPENDENCE 3000 IBOT™,¢ transporter at home and in the community: A case report. <i>Disability and Rehabilitation: Assistive Technology</i> , 2006, 1, 111-117.	1.3	14
157	Design of a custom racing hand-cycle: Review and analysis. <i>Disability and Rehabilitation: Assistive Technology</i> , 2009, 4, 119-128.	1.3	14
158	Amputation-Site Soft-Tissue Restoration Using Adipose Stem Cell Therapy. <i>Plastic and Reconstructive Surgery</i> , 2018, 142, 1349-1352.	0.7	14
159	Design and operation verification of an automated pressure mapping and modulating seat cushion for pressure ulcer prevention. <i>Medical Engineering and Physics</i> , 2019, 69, 17-27.	0.8	14
160	Preliminary assessment of a prototype advanced mobility device in the work environment of veterans with spinal cord injury. <i>NeuroRehabilitation</i> , 2004, 19, 161-170.	0.5	13
161	Quality-of-Life Technology [A Human-Centered and Holistic Design]. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2008, 27, 10-11.	1.1	13
162	Manual wheeled mobility – current and future developments from the human engineering research laboratories. <i>Disability and Rehabilitation</i> , 2010, 32, 2210-2221.	0.9	13

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163	Comparison of Virtual Wheelchair Driving Performance of People With Traumatic Brain Injury Using an Isometric and a Conventional Joystick. Archives of Physical Medicine and Rehabilitation, 2011, 92, 1298-1304.	0.5	13
164	Design and Development of the Personal Mobility and Manipulation Appliance. Assistive Technology, 2011, 23, 81-92.	1.2	13
165	Pilot study for quantifying driving characteristics during power wheelchair soccer. Journal of Rehabilitation Research and Development, 2012, 49, 75.	1.6	13
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