Rory A Cooper

List of Publications by Year
in descending order

269 papers	8,283 citations	47006 47 h-index	76900 74 g-index
283 all docs	283 docs citations	283 times ranked	3514 citing authors

#	Article	IF	Citations
1	Current state and conceptual framework of assistive technology provision in Saudi Arabia. Disability and Rehabilitation: Assistive Technology, 2023, 18, 1357-1363.	2.2	3
2	Curb Negotiation With Dynamic Humanâ€“Robotic Wheelchair Collaboration. IEEE Transactions on Human-Machine Systems, 2022, 52, 149-155.	3.5	3
3	Analysis of Whole-Body Vibration Using Electric Powered Wheelchairs on Surface Transitions. Vibration, 2022, 5, 98-109.	1.9	4
4	Mini-review: Robotic wheelchair taxonomy and readiness. Neuroscience Letters, 2022, 772, 136482.	2.1	8
5	Perceived Physical and Mental Health and Healthy Eating Habits During the COVID-19 Pandemic in Korea. Journal of Korean Medical Science, 2022, 37, e118.	2.5	5
6	Telerehabilitation Innovation in Response to Covid-19. Technology and Innovation, 2022, 22, 225-232.	0.2	0
7	Covid-19: Crisis as Spur to Innovation. Technology and Innovation, 2022, 22, 121-122.	0.2	1
8	Rapid Deployment of Nasopharyngeal Test Swabs Within the US Department of Veterans Affairs. Technology and Innovation, 2022, 22, 189-197.	0.2	0
9	Practice improves court mobility and self-efficacy in tennis-specific wheelchair propulsion. Disability and Rehabilitation: Assistive Technology, 2021, 16, 398-406.	2.2	3
10	A review of adaptive sport opportunities for power wheelchair users. Disability and Rehabilitation: Assistive Technology, 2021, 16, 407-413.	2.2	10
11	Design of an adjustable wheelchair for table tennis participation. Disability and Rehabilitation: Assistive Technology, 2021, 16, 425-431.	2.2	4
12	Stakeholder perspectives on research and development priorities for mobility assistive-technology: a literature review. Disability and Rehabilitation: Assistive Technology, 2021, 16, 362-376.	2.2	23
13	Person transfer assist systems: a literature review. Disability and Rehabilitation: Assistive Technology, 2021, 16, 270-279.	2.2	23
14	Wheelchairs and Seating Systems. , 2021, , 261-290.e2.		0
15	The voice of the consumer: A survey of consumer priorities to inform knowledge translation among Veterans who use mobility assistive technology. Journal of Military, Veteran and Family Health, 2021, 7, 26-39.	0.6	2
16	A consumer assessment of women who use wheelchairs. Journal of Military, Veteran and Family Health, 2021, 7, 40-49.	0.6	1
17	Introduction. Disability and Rehabilitation: Assistive Technology, 2021, 16, 361-361.	2.2	0
18	Technology Transfer Assistance Project Brings VA Health Care Ideas to Life. Technology and Innovation, 2021, 22, 65-73.	0.2	3

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19	Classification of wheelchair pressure relief maneuvers using changes in center of pressure and weight on the seat. Disability and Rehabilitation: Assistive Technology, 2021, , 1-9.	2.2	2
20	Comparison of trunk mechanics and spatiotemporal outcomes in caregivers using a robotic assisted transfer device and a mobile floor lift. Journal of Spinal Cord Medicine, 2021, , 1-8.	1.4	0
21	Systematic review: Automated vehicles and services for people with disabilities. Neuroscience Letters, 2021, 761, 136103.	2.1	30
22	Mini-review: Rehabilitation engineering: Research priorities and trends. Neuroscience Letters, 2021, 764, 136207.	2.1	4
23	Assessment of Muscle Activation of Caregivers Performing Dependent Transfers With a Novel Robotic-Assisted Transfer Device Compared With the Hoyer Advance. American Journal of Physical Medicine and Rehabilitation, 2021, 100, 885-894.	1.4	4
24	Economic evaluation of wheelchairs interventions: a systematic review. Disability and Rehabilitation: Assistive Technology, 2021, , 1-12.	2.2	0
25	Automated Curb Recognition and Negotiation for Robotic Wheelchairs. Sensors, 2021, 21, 7810.	3.8	3
26	The American Student Placements in Rehabilitation Engineering Program (ASPIRE). Disability and Rehabilitation, 2020, 42, 2821-2827.	1.8	1
27	Comparison of carbon fibre and aluminium materials in the construction of ultralight wheelchairs. Disability and Rehabilitation: Assistive Technology, 2020, 15, 432-441.	2.2	4
28	Usability and task load comparison between a robotic assisted transfer device and a mechanical floor lift during caregiver assisted transfers on a care recipient. Disability and Rehabilitation: Assistive Technology, 2020, , 1-7.	2.2	7
29	Usability evaluation of attitude control for a robotic wheelchair for tip mitigation in outdoor environments. Medical Engineering and Physics, 2020, 82, 86-96.	1.7	8
30	Improving wheelchair route planning through instrumentation and navigation systems. , 2020, 2020, 5737-5740.		2
31	Access denied: the shortage of digitized fitness resources for people with disabilities. Disability and Rehabilitation, 2020, , 1-3.	1.8	7
32	Air-powered shopping carts in grocery stores: a pilot study. Disability and Rehabilitation: Assistive Technology, 2020, , 1-7.	2.2	0
33	Comparing the performance of ultralight folding manual wheelchairs using standardized tests. Disability and Rehabilitation: Assistive Technology, 2020, , 1-10.	2.2	4
34	A Heuristic Approach to Overcome Architectural Barriers Using a Robotic Wheelchair. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1846-1854.	4.9	21
35	Usability Evaluation of a Curb-climbing Power Wheelchair for Indoor/Outdoor Accessibility. Archives of Physical Medicine and Rehabilitation, 2019, 100, e12.	0.9	2
36	Rehabilitation Engineering: A perspective on the past 40-years and thoughts for the future. Medical Engineering and Physics, 2019, 72, 3-12.	1.7	17

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37	Design and operation verification of an automated pressure mapping and modulating seat cushion for pressure ulcer prevention. Medical Engineering and Physics, 2019, 69, 17-27.	1.7	14
38	Accessible machining for people who use wheelchairs. Work, 2019, 62, 361-370.	1.1	3
39	Assessment of Usability and Task Load Demand Using a Robot-Assisted Transfer Device Compared With a Hoyer Advance for Dependent Wheelchair Transfers. American Journal of Physical Medicine and Rehabilitation, 2019, 98, 729-734.	1.4	15
40	Usability Evaluation of a Novel Robotic Power Wheelchair for Indoor and Outdoor Navigation. Archives of Physical Medicine and Rehabilitation, 2019, 100, 627-637.	0.9	16
41	Effects of grab bars and backrests on independent wheelchair transfer performance and technique. Physiotherapy Research International, 2019, 24, e1758.	1.5	5
42	The future of the provision process for mobility assistive technology: a survey of providers. Disability and Rehabilitation: Assistive Technology, 2019, 14, 338-345.	2.2	28
43	Engineering and Technology in Wheelchair Sport. Physical Medicine and Rehabilitation Clinics of North America, 2018, 29, 347-369.	1.3	10
44	The Voice of the Consumer: A Survey of Veterans and Other Users of Assistive Technology. Military Medicine, 2018, 183, e518-e525.	0.8	39
45	Full-participation of students with physical disabilities in science and engineering laboratories. Disability and Rehabilitation: Assistive Technology, 2018, 13, 186-193.	2.2	16
46	Performance evaluation of 3D vision-based semi-autonomous control method for assistive robotic manipulator. Disability and Rehabilitation: Assistive Technology, 2018, 13, 140-145.	2.2	11
47	Naturalistic physiological monitoring as an objective approach for detecting behavioral dysregulation after traumatic brain injury: A pilot study. Journal of Vocational Rehabilitation, 2018, 49, 379-388.	0.9	2
48	The International Society of Wheelchair Professionals (ISWP): A resource aiming to improve wheelchair services worldwide. British Journal of Occupational Therapy, 2018, 81, 671-672.	0.9	11
49	Amputation-Site Soft-Tissue Restoration Using Adipose Stem Cell Therapy. Plastic and Reconstructive Surgery, 2018, 142, 1349-1352.	1.4	14
50	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.	2.2	103
51	Wheelchair Sports Technology and Biomechanics. , 2018, , 21-34.		4
52	Comparison of High-Strength Aluminum Ultralight Wheelchairs Using ANSI/RESNA Testing Standards. Topics in Spinal Cord Injury Rehabilitation, 2018, 24, 63-77.	1.8	10
53	Reflections on recovery, rehabilitation and reintegration of injured service members and veterans from a bio-psychosocial-spiritual perspective. Canadian Journal of Surgery, 2018, 61, S219-S231.	1.2	15
54	Development of the Pneuchair: Pneumatic-Powered Wheelchair. Technology and Innovation, 2018, 20, 11-19.	0.2	3

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55	Identifying research needs for wheelchair transfers in the built environment. Disability and Rehabilitation: Assistive Technology, 2017, 12, 121-127.	2.2	13
56	Development of a wheelchair maintenance training programme and questionnaire for clinicians and wheelchair users. Disability and Rehabilitation: Assistive Technology, 2017, 12, 843-851.	2.2	36
57	Innovation in Transfer Assist Technologies for Persons with Severe Disabilities and Their Caregivers. IEEE Potentials, 2017, 36, 34-41.	0.3	17
58	A novel tool for naturalistic assessment of behavioural dysregulation after traumatic brain injury: A pilot study. Brain Injury, 2017, 31, 1781-1790.	1.2	1
59	Commentary on WHO GATE Initiative. Journal of Spinal Cord Medicine, 2017, 40, 2-4.	1.4	3
60	Power seat function usage and wheelchair discomfort for power wheelchair users. Journal of Spinal Cord Medicine, 2017, 40, 62-69.	1.4	7
61	Development of a contextually appropriate, reliable and valid basic Wheelchair Service Provision Test. Disability and Rehabilitation: Assistive Technology, 2017, 12, 333-340.	2.2	30
62	Stairs detection for enhancing wheelchair capabilities based on radar sensors. , 2017, , .		5
63	Kinematics and Stability Analysis of a Novel Power Wheelchair When Traversing Architectural Barriers. Topics in Spinal Cord Injury Rehabilitation, 2017, 23, 110-119.	1.8	16
64	Editorial. African Journal of Disability, 2017, 6, 423.	1.6	0
65	Step-Climbing Power Wheelchairs: A Literature Review. Topics in Spinal Cord Injury Rehabilitation, 2017, 23, 98-109.	1.8	24
66	Task-Oriented Performance Evaluation for Assistive Robotic Manipulators. American Journal of Physical Medicine and Rehabilitation, 2017, 96, 395-407.	1.4	9
67	Integration of Pneumatic Technology in Powered Mobility Devices. Topics in Spinal Cord Injury Rehabilitation, 2017, 23, 120-130.	1.8	3
68	Performance Evaluation of a Mobile Touchscreen Interface for Assistive Robotic Manipulators: A Pilot Study. Topics in Spinal Cord Injury Rehabilitation, 2017, 23, 131-139.	1.8	9
69	Further Development of a Robotic-Assisted Transfer Device. Topics in Spinal Cord Injury Rehabilitation, 2017, 23, 140-146.	1.8	16
70	Consumer Feedback to Steer the Future of Assistive Technology Research and Development: A Pilot Study. Topics in Spinal Cord Injury Rehabilitation, 2017, 23, 89-97.	1.8	7
71	The clinical trials mosaic: Toward a range of clinical trials designs to optimize evidence-based treatment. , 2017, 3, 28-48.		5
72	Design, testing and evaluation of angle-adjustable backrest hardware. Disability and Rehabilitation: Assistive Technology, 2016, 11, 1-8.	2.2	4

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73	A Patient-Controlled Analgesia Adaptor to Mitigate Postsurgical Pain for Combat Casualties With Multiple Limb Amputation: A Case Series. Military Medicine, 2016, 181, e948-e951.	0.8	1
74	Use of Assistive Technology for Cognition Among People With Traumatic Brain Injury: A Survey Study. Military Medicine, 2016, 181, 560-566.	0.8	9
75	Design and focus group evaluation of a bed-integrated weight measurement system for wheelchair users. Assistive Technology, 2016, 28, 193-201.	2.0	12
76	Immediate Biomechanical Implications of Transfer Component Skills Training on Independent Wheelchair Transfers. Archives of Physical Medicine and Rehabilitation, 2016, 97, 1785-1792.	0.9	16
77	Evaluating the usability of a smartphone virtual seating coach application for powered wheelchair users. Medical Engineering and Physics, 2016, 38, 569-575.	1.7	19
78	Identifying characteristic back shapes from anatomical scans of wheelchair users to improve seating design. Medical Engineering and Physics, 2016, 38, 999-1007.	1.7	10
79	Proposed pedestrian pathway roughness thresholds to ensure safety and comfort for wheelchair users. Assistive Technology, 2016, 28, 209-215.	2.0	10
80	Type and Frequency of Reported Wheelchair Repairs and Related Adverse Consequences Among People With Spinal Cord Injury. Archives of Physical Medicine and Rehabilitation, 2016, 97, 1753-1760.	0.9	40
81	Comfort and stability of wheelchair backrests according to the TAWC (tool for assessing wheelchair) Tj ETQq1 1 0.784314 rgBT /Over	2.2	6
82	Design and evaluation of a seat orientation controller during uneven terrain driving. Medical Engineering and Physics, 2016, 38, 241-247.	1.7	18
83	Estimation of Energy Expenditure for Wheelchair Users Using a Physical Activity Monitoring System. Archives of Physical Medicine and Rehabilitation, 2016, 97, 1146-1153.e1.	0.9	19
84	Interrater Reliability of the Power Mobility Road Test in the Virtual Realityâ€“Based Simulator-2. Archives of Physical Medicine and Rehabilitation, 2016, 97, 1078-1084.	0.9	10
85	Stability and Workload of the Virtual Realityâ€“Based Simulator-2. Archives of Physical Medicine and Rehabilitation, 2016, 97, 1085-1092.e1.	0.9	6
86	The Experiential Learning for Veterans in Assistive Technology and Engineering (ELeVATE) program. Journal of Military, Veteran and Family Health, 2016, 2, 96-100.	0.6	5
87	Evaluating and Modifying an Advanced Manufacturing Curriculum for People with Disabilities. Journal of Applied Rehabilitation Counseling, 2016, 47, 36-42.	0.2	2
88	Participatory design and validation of mobility enhancement robotic wheelchair. Journal of Rehabilitation Research and Development, 2015, 52, 739-750.	1.6	27
89	Evaluation of custom energy expenditure models for SenseWear armband in manual wheelchair users. Journal of Rehabilitation Research and Development, 2015, 52, 793-804.	1.6	3
90	Design and User Evaluation of a Wheelchair Mounted Robotic Assisted Transfer Device. BioMed Research International, 2015, 2015, 1-9.	1.9	26

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91	Detection of physical activities using a physical activity monitor system for wheelchair users. Medical Engineering and Physics, 2015, 37, 68-76.	1.7	38
92	Advanced Joystick Algorithms for Computer Access Tasks. PM and R, 2015, 7, 555-561.	1.6	1
93	Rehabilitation of People with Lower-Limb Amputations. Current Physical Medicine and Rehabilitation Reports, 2014, 2, 263-272.	0.8	20
94	Comparing the Activity Profiles of Wheelchair Rugby Using a Miniaturised Data Logger and Radio-Frequency Tracking System. BioMed Research International, 2014, 2014, 1-8.	1.9	15
95	Stability analysis of electrical powered wheelchair-mounted robotic-assisted transfer device. Journal of Rehabilitation Research and Development, 2014, 51, 761-774.	1.6	19
96	Preliminary evaluation of variable compliance joystick for people with multiple sclerosis. Journal of Rehabilitation Research and Development, 2014, 51, 951-962.	1.6	10
97	A Participatory Approach to Develop the Power Mobility Screening Tool and the Power Mobility Clinical Driving Assessment Tool. BioMed Research International, 2014, 2014, 1-15.	1.9	18
98	An interview study for developing a user guide for powered seating function usage. Disability and Rehabilitation: Assistive Technology, 2014, 9, 499-512.	2.2	3
99	Slip mitigation control for an Electric Powered Wheelchair. , 2014, , .		4
100	Adaptive Sports Technology and Biomechanics: Wheelchairs. PM and R, 2014, 6, S31-9.	1.6	50
101	Technologies to Facilitate the Active Participation and Independence of Persons with Disabilities in STEM from College to Careers. , 2014, , 5-30.		4
102	Initial development of direct interaction for a transfer robotic Arm system for caregivers. , 2013, 2013, 6650390.		10
103	Performance evaluation of The Personal Mobility and Manipulation Appliance (PerMMA). Medical Engineering and Physics, 2013, 35, 1613-1619.	1.7	17
104	Development and evaluation of a gyroscope-based wheel rotation monitor for manual wheelchair users. Journal of Spinal Cord Medicine, 2013, 36, 347-356.	1.4	27
105	Assessment of wheelchair driving performance in a virtual reality-based simulator. Journal of Spinal Cord Medicine, 2013, 36, 322-332.	1.4	25
106	Functional assessment and performance evaluation for assistive robotic manipulators: Literature review. Journal of Spinal Cord Medicine, 2013, 36, 273-289.	1.4	72
107	Criterion validity and accuracy of global positioning satellite and data logging devices for wheelchair tennis court movement. Journal of Spinal Cord Medicine, 2013, 36, 383-393.	1.4	27
108	Development of an advanced mobile base for personal mobility and manipulation appliance generation II robotic wheelchair. Journal of Spinal Cord Medicine, 2013, 36, 333-346.	1.4	19

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109	Pressure mapping to assess seated pressure distributions and the potential risk for skin ulceration in a population of sledge hockey players and control subjects. Disability and Rehabilitation: Assistive Technology, 2013, 8, 387-391.	2.2	13
110	Evaluation of lightweight wheelchairs using ANSI/RESNA testing standards. Journal of Rehabilitation Research and Development, 2013, 50, 1373-1390.	1.6	17
111	Evaluation of scooters using ANSI/RESNA standards. Journal of Rehabilitation Research and Development, 2013, 50, 1017-1034.	1.6	8
112	Test-retest reliability of the functional mobility assessment (FMA): a pilot study. Disability and Rehabilitation: Assistive Technology, 2013, 8, 213-219.	2.2	52
113	Wheelchair Tennis Match-Play Demands: Effect of Player Rank and Result. International Journal of Sports Physiology and Performance, 2013, 8, 28-37.	2.3	44
114	Opportunities in rehabilitation research. Journal of Rehabilitation Research and Development, 2013, 50, vii-xxxii.	1.6	7
115	Pilot study for quantifying driving characteristics during power wheelchair soccer. Journal of Rehabilitation Research and Development, 2012, 49, 75.	1.6	13
116	Guest Editorial: Wheelchair research progress, perspectives, and transformation. Journal of Rehabilitation Research and Development, 2012, 49, 1.	1.6	15
117	Factors Associated with Provision of Wheelchairs in Older Adults. Assistive Technology, 2012, 24, 155-167.	2.0	28
118	The Personal Mobility and Manipulation Appliance (PerMMA): A robotic wheelchair with advanced mobility and manipulation. , 2012, 2012, 3324-7.		12
119	Assistive Technology in Rehabilitation: Improving Impact Through Policy. Rehabilitation Research Policy and Education, 2012, 26, 19-32.	0.4	15
120	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.	1.4	55
121	Virtual Electric Power Wheelchair Driving Performance of Individuals with Spastic Cerebral Palsy. American Journal of Physical Medicine and Rehabilitation, 2012, 91, 823-830.	1.4	12
122	Personal Mobility and Manipulation Applianceâ€"Design, Development, and Initial Testing. Proceedings of the IEEE, 2012, 100, 2505-2511.	21.3	25
123	Evaluation of Highly Adjustable Throwing Chair for People with Disabilities. Assistive Technology, 2012, 24, 240-245.	2.0	3
124	Technology to improve sports performance in wheelchair sports. Sports Technology, 2012, 5, 4-19.	0.4	16
125	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.	0.9	13
126	Sensor technology for smart homes. Maturitas, 2011, 69, 131-136.	2.4	212

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127	Design and Development of a Lightweight, Durable, Adjustable Composite Backrest Mounting. Assistive Technology, 2011, 23, 24-35.	2.0	8
128	Tuning Algorithms for Control Interfaces for Users with Upper-Limb Impairments. American Journal of Physical Medicine and Rehabilitation, 2011, 90, 992-998.	1.4	6
129	International Mobility Technology Research: A Delphi Study to Identify Challenges and Compensatory Strategies. Assistive Technology, 2011, 23, 232-242.	2.0	6
130	The Relationship Between Wheelchair Mobility Patterns and Community Participation Among Individuals With Spinal Cord Injury. Assistive Technology, 2011, 23, 177-183.	2.0	23
131	Manual Wheelchair Propulsion Over Cross-Sloped Surfaces: A Literature Review. Assistive Technology, 2011, 23, 42-51.	2.0	10
132	Design and Development of the Personal Mobility and Manipulation Appliance. Assistive Technology, 2011, 23, 81-92.	2.0	13
133	The Role of Assistive Robotics in the Lives of Persons with Disability. American Journal of Physical Medicine and Rehabilitation, 2010, 89, 509-521.	1.4	159
134	Relationship between wheelchair durability and wheelchair type and years of test. Disability and Rehabilitation: Assistive Technology, 2010, 5, 318-322.	2.2	16
135	Seating virtual coach: A smart reminder for power seat function usage. Technology and Disability, 2010, 22, 53-60.	0.6	7
136	Enhanced bimanual manipulation assistance with the Personal Mobility and Manipulation Appliance (PerMMA). , 2010, , .		2
137	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
138	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
139	Manual wheelchair-related mobility characteristics of older adults in nursing homes. Disability and Rehabilitation: Assistive Technology, 2010, 5, 428-437.	2.2	24
140	Current State of Mobility Technology Provision in Less-Resourced Countries. Physical Medicine and Rehabilitation Clinics of North America, 2010, 21, 221-242.	1.3	20
141	Quality-of-Life Technology for People with Spinal Cord Injuries. Physical Medicine and Rehabilitation Clinics of North America, 2010, 21, 1-13.	1.3	24
142	Joystick Control for Powered Mobility: Current State of Technology and Future Directions. Physical Medicine and Rehabilitation Clinics of North America, 2010, 21, 79-86.	1.3	49
143	Design Features That Affect the Maneuverability of Wheelchairs and Scooters. Archives of Physical Medicine and Rehabilitation, 2010, 91, 759-764.	0.9	38
144	Virtual Coach Technology for Supporting Self-Care. Physical Medicine and Rehabilitation Clinics of North America, 2010, 21, 179-194.	1.3	29

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145	Manual wheeled mobility â€“ current and future developments from the human engineering research laboratories. Disability and Rehabilitation, 2010, 32, 2210-2221.	1.8	13
146	Using information technology to assist people with disabilities. , 2009, , .		0
147	Design, development and testing of a low-cost electric powered wheelchair for India. Disability and Rehabilitation: Assistive Technology, 2009, 4, 42-57.	2.2	18
148	Quantification of Activity During Wheelchair Basketball and Rugby at the National Veterans Wheelchair Games. Prosthetics and Orthotics International, 2009, 33, 210-217.	1.0	74
149	SMARTWheel. Prosthetics and Orthotics International, 2009, 33, 198-209.	1.0	42
150	Biomechanical Analysis of Functional Electrical Stimulation on Trunk Musculature During Wheelchair Propulsion. Neurorehabilitation and Neural Repair, 2009, 23, 717-725.	2.9	25
151	Design of a custom racing hand-cycle: Review and analysis. Disability and Rehabilitation: Assistive Technology, 2009, 4, 119-128.	2.2	14
152	Satisfaction related to wheelchair use in older adults in both nursing homes and community dwelling. Disability and Rehabilitation: Assistive Technology, 2009, 4, 337-343.	2.2	30
153	Real-time model based electrical powered wheelchair control. Medical Engineering and Physics, 2009, 31, 1244-1254.	1.7	29
154	Manual Wheelchair Propulsion Patterns on Natural Surfaces During Start-Up Propulsion. Archives of Physical Medicine and Rehabilitation, 2009, 90, 1916-1923.	0.9	46
155	Wheelchair Repairs, Breakdown, and Adverse Consequences for People With Traumatic Spinal Cord Injury. Archives of Physical Medicine and Rehabilitation, 2009, 90, 2034-2038.	0.9	64
156	Psychosocial impact of participation in the National Veterans Wheelchair Games and Winter Sports Clinic. Disability and Rehabilitation, 2009, 31, 410-418.	1.8	82
157	Prosthesis and wheelchair use in veterans with lower-limb amputation. Journal of Rehabilitation Research and Development, 2009, 46, 567.	1.6	58
158	A perspective on intelligent devices and environments in medical rehabilitation. Medical Engineering and Physics, 2008, 30, 1387-1398.	1.7	74
159	Lower-limb prostheses and wheelchairs in low-income countries [An Overview]. IEEE Engineering in Medicine and Biology Magazine, 2008, 27, 12-22.	0.8	68
160	Quality-of-Life Technology [A Human-Centered and Holistic Design]. IEEE Engineering in Medicine and Biology Magazine, 2008, 27, 10-11.	0.8	13
161	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.	0.9	63
162	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.	0.9	102

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163	Evaluation of Pushrim-Activated Power-Assisted Wheelchairs Using ANSI/RESNA Standards. Archives of Physical Medicine and Rehabilitation, 2008, 89, 1191-1198.	0.9	17
164	Development of a Wheelchair Virtual Driving Environment: Trials With Subjects With Traumatic Brain Injury. Archives of Physical Medicine and Rehabilitation, 2008, 89, 996-1003.	0.9	27
165	Trends and Issues in Wheelchair Technologies. Assistive Technology, 2008, 20, 61-72.	2.0	59
166	How many people would benefit from a smart wheelchair?. Journal of Rehabilitation Research and Development, 2008, 45, 53-72.	1.6	181
167	Quantifying Wheelchair Activity of Children. American Journal of Physical Medicine and Rehabilitation, 2008, 87, 977-983.	1.4	32
168	A Preliminary Study on the Impact of Pushrim-Activated Power-Assist Wheelchairs Among Individuals with Tetraplegia. American Journal of Physical Medicine and Rehabilitation, 2008, 87, 821-829.	1.4	24
169	Relationship Between Quality of Wheelchair and Quality of Life. Topics in Geriatric Rehabilitation, 2008, 24, 264-278.	0.4	6
170	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
171	Title is missing!. Journal of Rehabilitation Research and Development, 2008, 45, 1251.	1.6	24
172	Responsiveness of the TAWC tool for assessing wheelchair discomfort. Disability and Rehabilitation: Assistive Technology, 2007, 2, 97-103.	2.2	9
173	New design and development of a manual wheelchair for India. Disability and Rehabilitation, 2007, 29, 949-962.	1.8	27
174	A sports wheelchair for low-income countries. Disability and Rehabilitation, 2007, 29, 963-967.	1.8	16
175	Personal Mobility and Manipulation Using Robotics, Artificial Intelligence and Advanced Control. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4368-71.	0.5	2
176	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.	4.9	30
177	Assessing mobility characteristics and activity levels of manual wheelchair users. Journal of Rehabilitation Research and Development, 2007, 44, 561.	1.6	140
178	Multisite comparison of wheelchair propulsion kinetics in persons with paraplegia. Journal of Rehabilitation Research and Development, 2007, 44, 449.	1.6	26
179	Distribution and cost of wheelchairs and scooters provided by Veterans Health Administration. Journal of Rehabilitation Research and Development, 2007, 44, 581.	1.6	26
180	Shoulder joint kinetics and pathology in manual wheelchair users. Clinical Biomechanics, 2006, 21, 781-789.	1.2	215

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181	Wheelchair design and seating technology. , 2006, , 147-164.		1
182	Carrying the Torch: A Call to Build on the Progress of the Past 25 Years. Journal of Spinal Cord Medicine, 2006, 29, 5-9.	1.4	32
183	Advancements in Power Wheelchair Joystick Technology: Effects of Isometric Joysticks and Signal Conditioning on Driving Performance. American Journal of Physical Medicine and Rehabilitation, 2006, 85, 631-639.	1.4	24
184	Wheelchair Standards: It's All About Quality Assurance and Evidence-based Practice. Journal of Spinal Cord Medicine, 2006, 29, 93-94.	1.4	15
185	Development and qualitative assessment of the GAME/sup Cycle/ exercise system. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006, 14, 83-90.	4.9	19
186	Engineering Better Wheelchairs to Enhance Community Participation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006, 14, 438-455.	4.9	59
187	Investigation of the Performance of an Ergonomic Handrim as a Pain-Relieving Intervention for Manual Wheelchair Users. Assistive Technology, 2006, 18, 123-145.	2.0	15
188	Towards the development of an effective technology transfer model of wheelchairs to developing countries. Disability and Rehabilitation: Assistive Technology, 2006, 1, 103-110.	2.2	27
189	Rehabilitation Medicine Summit: Building Research Capacityâ€“Executive Summary. Journal of Musculoskeletal Pain, 2006, 14, 47-59.	0.3	1
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