

Rachel E Cowan

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

884
citations

516215

16
h-index

476904

29
g-index

43
all docs

43
docs citations

43
times ranked

1038
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent trends in assistive technology for mobility. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2012, 9, 20.	2.4	124
2	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, 1076-1083.	0.5	78
3	Do older adults with knee osteoarthritis place greater loads on the knee during gait? A preliminary study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005, 86, 703-709.	0.5	73
4	Preliminary Outcomes of the SmartWheel Usersâ€™™ Group Database: A Proposed Framework for Clinicians to Objectively Evaluate Manual Wheelchair Propulsion. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 260-268.	0.5	63
5	Reducing Cardiometabolic Disease in Spinal Cord Injury. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2014, 25, 573-604.	0.7	52
6	Wheelchair Skills Capacity and Performance of Manual Wheelchair Users With Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 1761-1769.	0.5	50
7	Cardiovascular disease, SCI and exercise: unique risks and focused countermeasures. <i>Disability and Rehabilitation</i> , 2010, 32, 2228-2236.	0.9	45
8	Exercise Is Medicine Initiative: Physical Activity as a Vital Sign and Prescription in Adult Rehabilitation Practice. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, S232-S237.	0.5	43
9	Evidence-based and heuristic approaches for customization of care in cardiometabolic syndrome after spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2012, 35, 278-292.	0.7	39
10	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.	0.5	29
11	Adapted Manual Wheelchair Circuit: Test-Retest Reliability and Discriminative Validity in Persons With Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011, 92, 1270-1280.	0.5	23
12	Facilitators and Barriers to Spinal Cord Injury Clinical Trial Participation: Multi-National Perspective of People Living with Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 493-499.	1.7	22
13	The 6-min Push Test Is Reliable and Predicts Low Fitness in Spinal Cord Injury. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1993-2000.	0.2	20
14	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.	2.4	20
15	Body System Effects of a Multi-Modal Training Program Targeting Chronic, Motor Complete Thoracic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 411-423.	1.7	20
16	Effects of prandial challenge on triglyceridemia, glycemia, and pro-inflammatory activity in persons with chronic paraplegia. <i>Journal of Spinal Cord Medicine</i> , 2015, 38, 468-475.	0.7	19
17	Assessment of the Talk Test and Rating of Perceived Exertion for Exercise Intensity Prescription in Persons With Paraplegia. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2012, 18, 212-219.	0.8	17
18	Comparison of 1- Versus 3-Minute Stage Duration During Arm Ergometry in Individuals With Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 1895-1900.	0.5	15

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19	Perceived Exercise Barriers and Odds of Exercise Participation Among Persons With SCI Living in High-Income Households. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2012, 18, 126-127.	0.8	14
20	Subjective Measures of Exercise Intensity to Gauge Substrate Partitioning in Persons With Paraplegia. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2012, 18, 205-211.	0.8	13
21	Interrater and intrarater reliability of ventilatory thresholds determined in individuals with spinal cord injury. <i>Spinal Cord</i> , 2019, 57, 669-678.	0.9	12
22	Relationship between wheelchair skills scores and peak aerobic exercise capacity of manual wheelchair users with spinal cord injury: a cross-sectional study. <i>Disability and Rehabilitation</i> , 2020, 42, 114-121.	0.9	10
23	Effects of Home Exercises on Shoulder Pain and Pathology in Chronic Spinal Cord Injury. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2020, 99, 504-513.	0.7	8
24	Using remote learning to teach clinicians manual wheelchair skills: a cohort study with pre- vs post-training comparisons. <i>Disability and Rehabilitation: Assistive Technology</i> , 2022, 17, 752-759.	1.3	8
25	Immersive interactive virtual walking reduces neuropathic pain in spinal cord injury: findings from a preliminary investigation of feasibility and clinical efficacy. <i>Pain</i> , 2022, 163, 350-361.	2.0	8
26	Exercise is Medicine™: Exercise Prescription After SCI to Manage Cardiovascular Disease Risk Factors. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2009, 14, 69-83.	0.8	8
27	Relationship of Fitness and Wheelchair Mobility With Encounters, Avoidances, and Perception of Environmental Barriers Among Manual Wheelchair Users With Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 2007-2014.e3.	0.5	6
28	Efficacy of a Remote Train-the-Trainer Model for Wheelchair Skills Training Administered by Clinicians: A Cohort Study With Pre- vs Posttraining Comparisons. <i>Archives of Physical Medicine and Rehabilitation</i> , 2022, 103, 798-806.	0.5	6
29	Development and deployment of an at-home strength and conditioning program to support a phase I trial in persons with chronic spinal cord injury. <i>Spinal Cord</i> , 2021, 59, 44-54.	0.9	5
30	Lifestyle physical activity in manual wheelchair users – an overlooked public health opportunity. <i>Spinal Cord</i> , 2022, 60, 190-192.	0.9	5
31	Increased Reliability of Quantitative Ultrasound Measures of the Supraspinatus Tendon Using Multiple Image Analysts and Analysis Runs. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2018, 97, 62-67.	0.7	4
32	Replication and novel analysis of age and sex effects on the neurologic and functional value of each spinal segment in the US healthcare setting. <i>Spinal Cord</i> , 2019, 57, 156-164.	0.9	4
33	Exercise for people with SCI: so important but difficult to achieve. <i>Spinal Cord</i> , 2021, 59, 1-2.	0.9	4
34	Good association between sprint power and aerobic peak power during asynchronous arm-crank exercise in people with spinal cord injury. <i>Disability and Rehabilitation</i> , 2021, 43, 378-385.	0.9	3
35	The Effect of External Power Output and Its Reliability on Propulsion Technique Variables in Wheelchair Users With Spinal Cord Injury. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 296-304.	2.7	3
36	Why do we need improved mobility technology?. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2012, 9, 16.	2.4	2

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37	Structures promoting research, training, and technology transfer in mobility: lessons learned from a visit to European centers. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2012, 9, 19.	2.4	2
38	Effectiveness of Group Wheelchair Maintenance Training for People with Spinal Cord Injury: A Randomized Controlled Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2022, 103, 790-797.	0.5	2
39	Recovery Off-Kinetics Following Exhaustive Upper Body Exercise in Spinal Cord Injury. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2020, 26, 304-313.	0.8	2
40	A Primary Care Provider's Guide to Wheelchair Prescription for Persons With Spinal Cord Injury. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2020, 26, 100-107.	0.8	1
41	Case-Control Study of Ultrasound Evaluation of Acute Median Nerve Response to Upper Extremity Circuit Training in Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020, 101, 1898-1905.	0.5	1
42	Association between individual wheelchair skills and fitness in community-dwelling manual wheelchair users with spinal cord injuries. <i>Disability and Rehabilitation: Assistive Technology</i> , 2024, 19, 60-65.	1.3	1