Brad E. Dicianno

List of Publications by Year
in descending order

129	3,154	172207	205818
papers	citations	29 h-index	48 g-index

136	136	136	2502
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rehabilitation and Medical Management of the Adult with Spina Bifida. American Journal of Physical Medicine and Rehabilitation, 2008, 87, 1027-1050.	0.7	129
2	Perspectives on the Evolution of Mobile (mHealth) Technologies and Application to Rehabilitation. Physical Therapy, 2015, 95, 397-405.	1.1	122
3	Hospitalizations of Adults With Spina Bifida and Congenital Spinal Cord Anomalies. Archives of Physical Medicine and Rehabilitation, 2010, 91, 529-535.	0.5	107
4	Shoulder magnetic resonance imaging abnormalities, wheelchair propulsion, and gender11No 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
5	Systematic Review of Mobile Health Applications in Rehabilitation. Archives of Physical Medicine and Rehabilitation, 2019, 100, 115-127.	0.5	103
6	iMHere: A Novel mHealth System for Supporting Self-Care in Management of Complex and Chronic Conditions. JMIR MHealth and UHealth, 2013, 1, e10.	1.8	101
7	Psychosocial impact of participation in the National Veterans Wheelchair Games and Winter Sports Clinic. Disability and Rehabilitation, 2009, 31, 410-418.	0.9	82
8	Correlates of Depressive and Anxiety Symptoms in Young Adults with Spina Bifida. Journal of Pediatric Psychology, 2010, 35, 778-789.	1.1	77
9	A perspective on intelligent devices and environments in medical rehabilitation. Medical Engineering and Physics, 2008, 30, 1387-1398.	0.8	74
10	RESNA Position on the Application of Tilt, Recline, and Elevating Legrests for Wheelchairs. Assistive Technology, 2009, 21, 13-22.	1.2	73
11	Interrelationships of sex, level of lesion, and transition outcomes among young adults with myelomeningocele. Developmental Medicine and Child Neurology, 2011, 53, 647-652.	1.1	73
12	Pilot feasibility of an mHealth system for conducting ecological momentary assessment of mood-related symptoms following traumatic brain injury. Brain Injury, 2015, 29, 1351-1361.	0.6	70
13	Model-Based Dynamic Control Allocation in a Hybrid Neuroprosthesis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 224-232.	2.7	66
14	Innovations With 3â€Dimensional Printing in Physical Medicine and Rehabilitation: A Review of the Literature. PM and R, 2016, 8, 1201-1212.	0.9	65
15	Factors Associated with Mobility Outcomes in a National Spina Bifida Patient Registry. American Journal of Physical Medicine and Rehabilitation, 2015, 94, 1015-1025.	0.7	59
16	Prosthesis and wheelchair use in veterans with lower-limb amputation. Journal of Rehabilitation Research and Development, 2009, 46, 567.	1.6	58
17	Investigating Neck Pain in Wheelchair Users. American Journal of Physical Medicine and Rehabilitation, 2003, 82, 197-202.	0.7	57
18	Feasibility of Using Mobile Health to Promote Self-Management in Spina Bifida. American Journal of Physical Medicine and Rehabilitation, 2016, 95, 425-437.	0.7	52

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19	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
20	Mobility, Assistive Technology Use, and Social Integration Among Adults with Spina Bifida. American Journal of Physical Medicine and Rehabilitation, 2009, 88, 533-541.	0.7	45
21	Factors Associated With Pressure Ulcers in Individuals With Spina Bifida. Archives of Physical Medicine and Rehabilitation, 2015, 96, 1435-1441.e1.	0.5	43
22	Selfâ€management, preventable conditions and assessment of care among young adults with myelomeningocele. Child: Care, Health and Development, 2011, 37, 861-865.	0.8	41
23	RESNA Position on the Application of Wheelchair Standing Devices. Assistive Technology, 2009, 21, 161-168.	1.2	40
24	An Adaptive Mobile Health System to Support Self-Management for Persons With Chronic Conditions and Disabilities: Usability and Feasibility Studies. JMIR Formative Research, 2019, 3, e12982.	0.7	40
25	Outcomes of Clinicians, Caregivers, Family Members and Adults with Spina Bifida Regarding Receptivity to use of the iMHere mHealth Solution to Promote Wellness. International Journal of Telerehabilitation, 2013, 5, 3-16.	0.7	39
26	The Voice of the Consumer: A Survey of Veterans and Other Users of Assistive Technology. Military Medicine, 2018, 183, e518-e525.	0.4	39
27	Scientific methodology of the development of the Guidelines for the Care of People with Spina Bifida: An initiative of the Spina Bifida Association. Disability and Health Journal, 2020, 13, 100816.	1.6	39
28	Development of mHealth system for supporting self-management and remote consultation of skincare. BMC Medical Informatics and Decision Making, 2015, 15, 114.	1.5	37
29	The Effect of the Interactive Mobile Health and Rehabilitation System on Health and Psychosocial Outcomes in Spinal Cord Injury: Randomized Controlled Trial. Journal of Medical Internet Research, 2019, 21, e14305.	2.1	33
30	Accessibility needs and challenges of a mHealth system for patients with dexterity impairments. Disability and Rehabilitation: Assistive Technology, 2017, 12, 56-64.	1.3	32
31	Design of Mobile Health Tools to Promote Goal Achievement in Self-Management Tasks. JMIR MHealth and UHealth, 2017, 5, e103.	1.8	31
32	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
33	Co-morbidities Associated With Early Mortality in Adults With Spina Bifida. American Journal of Physical Medicine and Rehabilitation, 2018, 97, 861-865.	0.7	30
34	A Control Scheme That Uses Dynamic Postural Synergies to Coordinate a Hybrid Walking Neuroprosthesis: Theory and Experiments. Frontiers in Neuroscience, 2018, 12, 159.	1.4	30
35	Systematic review: Automated vehicles and services for people with disabilities. Neuroscience Letters, 2021, 761, 136103.	1.0	30
36	Spina Bifida and Mobility in the Transition Years. American Journal of Physical Medicine and Rehabilitation, 2009, 88, 1002-1006.	0.7	29

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37	Demographic Profile of Older Adults Using Wheeled Mobility Devices. Journal of Aging Research, 2011, 2011, 1-11.	0.4	28
38	Factors Associated with Provision of Wheelchairs in Older Adults. Assistive Technology, 2012, 24, 155-167.	1.2	28
39	Depressive symptoms in adults with spina bifida.. Rehabilitation Psychology, 2015, 60, 246-253.	0.7	28
40	The future of the provision process for mobility assistive technology: a survey of providers. Disability and Rehabilitation: Assistive Technology, 2019, 14, 338-345.	1.3	28
41	Targeted Preventive Care May Be Needed for Adults with Congenital Spine Anomalies. PM and R, 2011, 3, 730-738.	0.9	26
42	Self-Management, Satisfaction With Family Functioning, and the Course of Psychological Symptoms in Emerging Adults With Spina Bifida. Journal of Pediatric Psychology, 2013, 38, 50-62.	1.1	26
43	Assessment of wheelchair driving performance in a virtual reality-based simulator. Journal of Spinal Cord Medicine, 2013, 36, 322-332.	0.7	25
44	Young Adults with Spina Bifida May Have Higher Occurrence of Prehypertension and Hypertension. American Journal of Physical Medicine and Rehabilitation, 2014, 93, 200-206.	0.7	25
45	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.	0.7	24
46	Power Mobility Device Provision: Understanding Medicare Guidelines and Advocating for Clients. Archives of Physical Medicine and Rehabilitation, 2007, 88, 807-816.	0.5	24
47	Research Needs for Effective Transition in Lifelong Care of Congenital Genitourinary Conditions: A Workshop Sponsored by the National Institute of Diabetes and Digestive and Kidney Diseases. Urology, 2017, 103, 261-271.	0.5	24
48	Validity of activity monitors in wheelchair users: A systematic review. Journal of Rehabilitation Research and Development, 2016, 53, 641-658.	1.6	24
49	An mHealth App for Users with Dexterity Impairments: Accessibility Study. JMIR MHealth and UHealth, 2019, 7, e202.	1.8	24
50	Family Satisfaction, Pain, and Quality-of-Life in Emerging Adults with Spina Bifida. American Journal of Physical Medicine and Rehabilitation, 2013, 92, 641-655.	0.7	23
51	Stakeholder perspectives on research and development priorities for mobility assistive-technology: a literature review. Disability and Rehabilitation: Assistive Technology, 2021, 16, 362-376.	1.3	23
52	Physical Activity, Exercise, and Healthâ€related Measures of Fitness in Adults With Spina Bifida: A Review of the Literature. PM and R, 2013, 5, 1051-1062.	0.9	22
53	Title is missing!. Journal of Rehabilitation Research and Development, 2009, 46, 269.	1.6	21
54	Survey of U.S. adults with spina bifida. Disability and Health Journal, 2020, 13, 100833.	1.6	20

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55	Development and content validity of the behavioral assessment screening tool (BAST_{Î²}). Disability and Rehabilitation, 2019, 41, 1200-1206.	0.9	19
56	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.	0.9	18
57	A Modified Dynamic Surface Controller for Delayed Neuromuscular Electrical Stimulation. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1755-1764.	3.7	18
58	Dynamic optimization of stimulation frequency to reduce isometric muscle fatigue using a modified Hillâ€Huxley model. Muscle and Nerve, 2018, 57, 634-641.	1.0	18
59	Effectiveness of a Wellness Program for Individuals With Spina Bifida and Spinal Cord Injury Within an Integrated Delivery System. Archives of Physical Medicine and Rehabilitation, 2016, 97, 1969-1978.	0.5	17
60	The Frequency of Lymphedema in an Adult Spina Bifida Population. American Journal of Physical Medicine and Rehabilitation, 2011, 90, 89-96.	0.7	16
61	Switching control of functional electrical stimulation and motor assist for muscle fatigue compensation. , 2016, , .		16
62	Accessibility of mHealth Self-Care Apps for Individuals with Spina Bifida. Perspectives in Health Information Management / AHIMA, American Health Information Management Association, 2015, 12, 1h.	0.0	16
63	Investigation of Peak Pressure Index Parameters for People with Spinal Cord Injury Using Wheelchair Tilt-in-Space and Recline: Methodology and Preliminary Report. BioMed Research International, 2014, 2014, 1-9.	0.9	15
64	Iterative Design and Usability Testing of the iMHere System for Managing Chronic Conditions and Disability. International Journal of Telerehabilitation, 2016, 8, 11-20.	0.7	15
65	Correlation Between Neurologic Impairment Grade and Ambulation Status in the Adult Spina Bifida Population. American Journal of Physical Medicine and Rehabilitation, 2019, 98, 1045-1050.	0.7	15
66	Philosophy of care delivery for spina bifida. Disability and Health Journal, 2020, 13, 100883.	1.6	15
67	A Tube-Based Model Predictive Control Method to Regulate a Knee Joint With Functional Electrical Stimulation and Electric Motor Assist. IEEE Transactions on Control Systems Technology, 2021, 29, 2180-2191.	3.2	14
68	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
69	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.	1.3	13
70	Using Person-Specific Muscle Fatigue Characteristics to Optimally Allocate Control in a Hybrid Exoskeletonâ€"Preliminary Results. IEEE Transactions on Medical Robotics and Bionics, 2020, 2, 226-235.	2.1	13
71	Neurogenic bowel treatments and continence outcomes in children and adults with myelomeningocele. Journal of Pediatric Rehabilitation Medicine, 2020, 13, 685-693.	0.3	13
72	Virtual Electric Power Wheelchair Driving Performance of Individuals with Spastic Cerebral Palsy. American Journal of Physical Medicine and Rehabilitation, 2012, 91, 823-830.	0.7	12

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73	Factors Associated With Ambulation in Myelomeningocele. American Journal of Physical Medicine and Rehabilitation, 2020, 99, 586-594.	0.7	12
74	Acute mountain sickness in disability and adaptive sports: Preliminary data. Journal of Rehabilitation Research and Development, 2008, 45, 479-488.	1.6	12
75	Rehabilitation Engineering & Assistive Technology Society (RESNA) position on the application of wheelchair standing devices: 2013 current state of the literature. Assistive Technology, 2016, 28, 57-62.	1.2	11
76	Impact of neurological level and spinal curvature on pulmonary function in adults with spina bifida. Journal of Pediatric Rehabilitation Medicine, 2018, 11, 243-254.	0.3	11
77	Type and frequency of wheelchair repairs and resulting adverse consequences among veteran wheelchair users. Disability and Rehabilitation: Assistive Technology, 2022, 17, 331-337.	1.3	11
78	Preliminary evaluation of variable compliance joystick for people with multiple sclerosis. Journal of Rehabilitation Research and Development, 2014, 51, 951-962.	1.6	10
79	Identifying characteristic back shapes from anatomical scans of wheelchair users to improve seating design. Medical Engineering and Physics, 2016, 38, 999-1007.	0.8	10
80	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.	0.5	10
81	Engineering and Technology in Wheelchair Sport. Physical Medicine and Rehabilitation Clinics of North America, 2018, 29, 347-369.	0.7	10
82	21st Century Challenges to the Provision of Health Care toÂAdults With Spina Bifida: A Rehabilitation Approach. Archives of Physical Medicine and Rehabilitation, 2014, 95, 1601-1602.	0.5	9
83	Rehabilitation Engineering and Assistive Technology Society of North Americaâ€™s Position on the Application of Tilt, Recline, and Elevating Legrests for Wheelchairs Literature Update. Assistive Technology, 2015, 27, 193-198.	1.2	9
84	Neurosurgical procedures for children with myelomeningocele after fetal or postnatal surgery: a comparative effectiveness study. Developmental Medicine and Child Neurology, 2021, 63, 1294-1301.	1.1	9
85	Virtual Socialization in Adults With Spina Bifida. PM and R, 2011, 3, 219-225.	0.9	8
86	Acute mountain sickness in athletes with neurological impairments. Journal of Rehabilitation Research and Development, 2013, 50, 253.	1.6	8
87	Differences in Length of Stay and Costs Between Comparable Hospitalizations of Patients With Spina Bifida With or Without Pressure Injuries. Archives of Physical Medicine and Rehabilitation, 2019, 100, 1475-1481.	0.5	8
88	Usability evaluation of attitude control for a robotic wheelchair for tip mitigation in outdoor environments. Medical Engineering and Physics, 2020, 82, 86-96.	0.8	8
89	Physiatrists and Developmental Pediatricians Working Together to Improve Outcomes in Children with Spina Bifida. Pediatric Clinics of North America, 2010, 57, 973-981.	0.9	7
90	Bilateral control of functional electrical stimulation and robotics-based telerehabilitation. International Journal of Intelligent Robotics and Applications, 2017, 1, 6-18.	1.6	7

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91	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.	0.8	7
92	Tuning Algorithms for Control Interfaces for Users with Upper-Limb Impairments. American Journal of Physical Medicine and Rehabilitation, 2011, 90, 992-998.	0.7	6
93	Advances in spina bifida care: from the womb to adulthood. Current Physical Medicine and Rehabilitation Reports, 2014, 2, 71-78.	0.3	6
94	Validity of a Wheelchair Perceived Exertion Scale (Wheel Scale) for Arm Ergometry Exercise in People with Spina Bifida. Perceptual and Motor Skills, 2015, 120, 304-322.	0.6	6
95	Comfort and stability of wheelchair backrests according to the TAWC (tool for assessing wheelchair) Tj ETQq1 1 0.784314 rgBT /Over	1.3	6
96	Stability and Workload of the Virtual Realityâ€“Based Simulator-2. Archives of Physical Medicine and Rehabilitation, 2016, 97, 1085-1092.e1.	0.5	6
97	Changing Perception. American Journal of Physical Medicine and Rehabilitation, 2017, 96, 362-365.	0.7	6
98	Relationship Between Motor Level and Wheelchair Transfer Ability in Spina Bifida: A Study From the National Spina Bifida Patient Registry. Archives of Physical Medicine and Rehabilitation, 2020, 101, 1953-1960.	0.5	6
99	Shared Control of a Powered Exoskeleton and Functional Electrical Stimulation Using Iterative Learning. Frontiers in Robotics and AI, 2021, 8, 711388.	2.0	6
100	Joystick use for virtual power wheelchair driving in individuals with tremor: pilot study. Journal of Rehabilitation Research and Development, 2009, 46, 269-75.	1.6	6
101	Using the Spina Bifida Life Course Model in Clinical Practice: An Interdisciplinary Approach. Pediatric Clinics of North America, 2010, 57, 945-957.	0.9	5
102	Effectiveness of an Upper Extremity Exercise Device and Text Message Reminders to Exercise in Adults with Spina Bifida: A Pilot Study. Assistive Technology, 2013, 25, 181-193.	1.2	5
103	Effect of the Assistive Technology Professional on the Provision of Mobility Assistive Equipment. Archives of Physical Medicine and Rehabilitation, 2021, 102, 1895-1901.	0.5	5
104	Functional Mobility Outcomes in Telehealth and In-Person Assessments for Wheeled Mobility Devices. International Journal of Telerehabilitation, 2020, 12, 27-34.	0.7	5
105	Integrating Rehabilitation Engineering Technology With Biologics. PM and R, 2011, 3, S148-57.	0.9	4
106	Impact of neurological level and spinal curvature on pulmonary function in adults with spina bifida. Journal of Pediatric Rehabilitation Medicine, 2018, 11, 243-254.	0.3	4
107	Development of a Home-Based Telerehabilitation Service Delivery Protocol for Wheelchair Seating and Mobility Within the Veterans Health Administration. Military Medicine, 2021, , .	0.4	4
108	Mini-review: Rehabilitation engineering: Research priorities and trends. Neuroscience Letters, 2021, 764, 136207.	1.0	4

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109	Title is missing!. American Journal of Physical Medicine and Rehabilitation, 2003, 82, 197-202.	0.7	3
110	Processes and Outcomes from a Medical Student Research Training Program in Integrative, Complementary, and Alternative Medicine. American Journal of Physical Medicine and Rehabilitation, 2016, 95, 779-786.	0.7	3
111	Exercise Prescription Using a Groupâ€Normalized Rating of Perceived Exertion in Adolescents and Adults With Spina Bifida. PM and R, 2018, 10, 738-747.	0.9	3
112	Preface to the special issue for the guidelines for the care of people with spina bifida. Journal of Pediatric Rehabilitation Medicine, 2020, 13, 457-459.	0.3	3
113	Veteran and Provider Satisfaction with a Home-Based Telerehabilitation Assessment for Wheelchair Seating and Mobility. International Journal of Telerehabilitation, 2020, 12, 3-12.	0.7	3
114	User-Centered Design to Enhance mHealth Systems for Individuals With Dexterity Impairments: Accessibility and Usability Study. JMIR Human Factors, 2022, 9, e23794.	1.0	3
115	Implementing a Specialty Electronic Medical Record to Document a Life-Course Developmental Model and Facilitate Clinical Interventions in Spina Bifida Clinics. Pediatric Clinics of North America, 2010, 57, 959-971.	0.9	2
116	Accessibility of iMHere Smartphone Apps for Self-Care. , 2014, , .		2
117	Measuring static seated pressure distributions and risk for skin pressure ulceration in ice sledge hockey players. Disability and Rehabilitation: Assistive Technology, 2016, 11, 241-246.	1.3	2
118	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.	0.3	2
119	RELATIONSHIP BETWEEN BODY MASS INDEX OF MANUAL WHEELCHAIR USERS AND SHOULDER PAIN AND INJURY. American Journal of Physical Medicine and Rehabilitation, 1999, 78, 177-178.	0.7	2
120	Mobile Health to Support Community-Integration of Individuals With Disabilities Using iMHere 2.0: Focus Group Study. JMIR Human Factors, 2022, 9, e31376.	1.0	2
121	Advanced Joystick Algorithms for Computer Access Tasks. PM and R, 2015, 7, 555-561.	0.9	1
122	Factors Associated With Ambulation and Transfer Ability. American Journal of Physical Medicine and Rehabilitation, 2022, 101, 652-658.	0.7	1
123	Effect of Social Determinants of Health Interventions on Adults Living with Disabilities: A Scoping Review. Archives of Physical Medicine and Rehabilitation, 2021, , .	0.5	1
124	Investigation of factors from assistive technology professionals that impact timeliness of wheelchair service delivery: a cross-sectional study. Disability and Rehabilitation: Assistive Technology, 2022, , 1-5.	1.3	1
125	Primary care providers need education and resources to provide optimal care for children and adults with spina bifida. Journal of Pediatric Rehabilitation Medicine, 2021, 14, 681-689.	0.3	1
126	Preface. Physical Medicine and Rehabilitation Clinics of North America, 2010, 21, xix-xx.	0.7	0

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127	Mobile Health Apps Are Used for Many Rehabilitation Purposes. Archives of Physical Medicine and Rehabilitation, 2019, 100, 782-783.	0.5	0
128	Development of an Electronic Exchange of Medical Documentation for Power Mobility Devices. Applied Clinical Informatics, 2021, 12, 348-354.	0.8	0
129	Continuous Switching Control of an Input-Delayed Antagonistic Muscle Pair During Functional Electrical Stimulation. IEEE Transactions on Control Systems Technology, 2023, 31, 306-316.	3.2	0