Diane L Damiano

List of Publications by Year
in descending order

168 papers	14,086 citations	30070 54 h-index	20961 115 g-index
171 all docs	171 docs citations	171 times ranked	8418 citing authors

#	Article	IF	Citations
1	Proposed definition and classification of cerebral palsy, April 2005. Developmental Medicine and Child Neurology, 2005, 47, 571-576.	2.1	2,047
2	A report: the definition and classification of cerebral palsy April 2006. Developmental Medicine and Child Neurology Supplement, 2007, 109, 8-14.	4.5	1,582
3	Early, Accurate Diagnosis and Early Intervention in Cerebral Palsy. JAMA Pediatrics, 2017, 171, 897.	6.2	898
4	Cerebral palsy. Nature Reviews Disease Primers, 2016, 2, 15082.	30.5	603
5	Functional outcomes of strength training in spastic cerebral palsy. Archives of Physical Medicine and Rehabilitation, 1998, 79, 119-125.	0.9	413
6	Lowerâ€Extremity strength profiles in spastic cerebral palsy. Developmental Medicine and Child Neurology, 1998, 40, 100-107.	2.1	405
7	A systematic review of the effectiveness of strength-training programs for people with cerebral palsy. Archives of Physical Medicine and Rehabilitation, 2002, 83, 1157-1164.	0.9	362
8	Activity, Activity, Activity: Rethinking Our Physical Therapy Approach to Cerebral Palsy. Physical Therapy, 2006, 86, 1534-1540.	2.4	341
9	Effects of Quadriceps Femoris Muscle Strengthening on Crouch Gait in Children With Spastic Diplegia. Physical Therapy, 1995, 75, 658-667.	2.4	256
10	Outcome tools used for ambulatory children with cerebral palsy: responsiveness and minimum clinically important differences. Developmental Medicine and Child Neurology, 2008, 50, 918-925.	2.1	245
11	Prospective Open-Label Clinical Trial of Trihexyphenidyl in Children With Secondary Dystonia due to Cerebral Palsy. Journal of Child Neurology, 2007, 22, 530-537.	1.4	243
12	Muscle force production and functional performance in spastic cerebral palsy: Relationship of cocontraction. Archives of Physical Medicine and Rehabilitation, 2000, 81, 895-900.	0.9	228
13	MUSCLE RESPONSE TO HEAVY RESISTANCE EXERCISE IN CHILDREN WITH SPASTIC CEREBRAL PALSY. Developmental Medicine and Child Neurology, 1995, 37, 731-739.	2.1	228
14	Promotion of Physical Fitness and Prevention of Secondary Conditions for Children With Cerebral Palsy: Section on Pediatrics Research Summit Proceedings. Physical Therapy, 2007, 87, 1495-1510.	2.4	214
15	The Evolution of Gait in Childhood and Adolescent Cerebral Palsy. Journal of Pediatric Orthopaedics, 1997, 17, 392-396.	1.2	199
16	What does the Ashworth scale really measure and are instrumented measures more valid and precise?. Developmental Medicine and Child Neurology, 2002, 44, 112.	2.1	177
17	A Systematic Review of the Effectiveness of Treadmill Training and Body Weight Support in Pediatric Rehabilitation. Journal of Neurologic Physical Therapy, 2009, 33, 27-44.	1.4	160
18	Should we be testing and training muscle strength in cerebral palsy?. Developmental Medicine and Child Neurology, 2002, 44, 68.	2.1	147

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19	Relation Of Gait Analysis To Gross Motor Function In Cerebral Palsy. Developmental Medicine and Child Neurology, 1996, 38, 389-396.	2.1	136
20	Progressive Resistance Exercise in Physical Therapy: A Summary of Systematic Reviews. Physical Therapy, 2005, 85, 1208-1223.	2.4	134
21	Joint-Position Sense and Kinesthesia in Cerebral Palsy. Archives of Physical Medicine and Rehabilitation, 2009, 90, 447-453.	0.9	132
22	Gait assessment of fixed ankle-foot orthoses in children with spastic diplegia. Archives of Physical Medicine and Rehabilitation, 1998, 79, 126-133.	0.9	124
23	Strategies for Increasing Walking Speed in Diplegic Cerebral Palsy. Journal of Pediatric Orthopaedics, 1996, 16, 753-758.	1.2	124
24	Rapid force generation is impaired in cerebral palsy and is related to decreased muscle size and functional mobility. Gait and Posture, 2012, 35, 154-158.	1.4	122
25	Muscle Architecture Predicts Maximum Strength and Is Related to Activity Levels in Cerebral Palsy. Physical Therapy, 2010, 90, 1619-1630.	2.4	115
26	In vivo muscle architecture and size of the rectus femoris and vastus lateralis in children and adolescents with cerebral palsy. Developmental Medicine and Child Neurology, 2009, 51, 800-806.	2.1	113
27	Can Strength Training Predictably Improve Gait Kinematics? A Pilot Study on the Effects of Hip and Knee Extensor Strengthening on Lower-Extremity Alignment in Cerebral Palsy. Physical Therapy, 2010, 90, 269-279.	2.4	112
28	Prefrontal, posterior parietal and sensorimotor network activity underlying speed control during walking. Frontiers in Human Neuroscience, 2015, 9, 247.	2.0	112
29	A lower-extremity exoskeleton improves knee extension in children with crouch gait from cerebral palsy. Science Translational Medicine, 2017, 9, .	12.4	110
30	Muscle-Tendon Surgery in Diplegic Cerebral Palsy: Functional and Mechanical Changes. Journal of Pediatric Orthopaedics, 1999, 19, 366-375.	1.2	96
31	ORTHOTIC MANAGEMENT OF GAIT IN SPASTIC DIPLEGIA1. American Journal of Physical Medicine and Rehabilitation, 1997, 76, 219-225.	1.4	93
32	Tactile sensory abilities in cerebral palsy: deficits in roughness and object discrimination. Developmental Medicine and Child Neurology, 2008, 50, 832-838.	2.1	92
33	Rehabilitative Therapies in Cerebral Palsy: The Good, the Not As Good, and the Possible. Journal of Child Neurology, 2009, 24, 1200-1204.	1.4	91
34	Fuzzy clustering of children with cerebral palsy based on temporal-distance gait parameters. IEEE Transactions on Rehabilitation Engineering: A Publication of the IEEE Engineering in Medicine and Biology Society, 1997, 5, 300-309.	1.4	90
35	A Robotic Exoskeleton for Treatment of Crouch Gait in Children With Cerebral Palsy: Design and Initial Application. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 650-659.	4.9	89
36	Outcome assessments in children with cerebral palsy, Part I: descriptive characteristics of GMFCS Levels I to III. Developmental Medicine and Child Neurology, 2007, 49, 172-180.	2.1	88

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37	New Clinical and Research Trends in Lower Extremity Management for Ambulatory Children with Cerebral Palsy. Physical Medicine and Rehabilitation Clinics of North America, 2009, 20, 469-491.	1.3	87
38	Lower extremity functional electrical stimulation cycling promotes physical and functional recovery in chronic spinal cord injury. Journal of Spinal Cord Medicine, 2013, 36, 623-631.	1.4	82
39	ANKLE AND KNEE COUPLING IN PATIENTS WITH SPASTIC DIPLEGIA. Journal of Bone and Joint Surgery - Series A, 2002, 84, 736-744.	3.0	82
40	Title is missing!. Journal of Pediatric Orthopaedics, 1997, 17, 392-396.	1.2	81
41	Relationship of spasticity to knee angular velocity and motion during gait in cerebral palsy. Gait and Posture, 2006, 23, 1-8.	1.4	79
42	Intrasession and Intersession Reliability of Handheld Dynamometry in Children with Cerebral Palsy. Pediatric Physical Therapy, 2004, 16, 191-198.	0.6	75
43	Joint Angular Velocity in Spastic Gait and the Influence of Muscle-Tendon Lengthening*. Journal of Bone and Joint Surgery - Series A, 2000, 82, 174-186.	3.0	69
44	Comparing functional profiles of children with hemiplegic and diplegic cerebral palsy in GMFCS Levels I and II: are separate classifications needed?. Developmental Medicine and Child Neurology, 2006, 48, 797.	2.1	66
45	Deficits in eccentric versus concentric torque in children with spastic cerebral palsy. Medicine and Science in Sports and Exercise, 2001, 33, 117-122.	0.4	65
46	Relationships Among Musculoskeletal Impairments and Functional Health Status in Ambulatory Cerebral Palsy. Journal of Pediatric Orthopaedics, 2003, 23, 535-541.	1.2	64
47	Effectiveness of physical therapy for improving gait and balance in individuals with traumatic brain injury: A systematic review. Brain Injury, 2011, 25, 664-679.	1.2	64
48	Muscle Plasticity and Ankle Control After Repetitive Use of a Functional Electrical Stimulation Device for Foot Drop in Cerebral Palsy. Neurorehabilitation and Neural Repair, 2013, 27, 200-207.	2.9	63
49	A Prospective Cohort Study of the Effects of Lower Extremity Orthopaedic Surgery on Outcome Measures in Ambulatory Children With Cerebral Palsy. Journal of Pediatric Orthopaedics, 2009, 29, 903-909.	1.2	62
50	Tibialis anterior architecture, strength, and gait in individuals with cerebral palsy. Muscle and Nerve, 2011, 44, 509-517.	2.2	61
51	Relationships among functional outcome measures used for assessing children with ambulatory CP. Developmental Medicine and Child Neurology, 2007, 49, 338-344.	2.1	59
52	Title is missing!. Journal of Pediatric Orthopaedics, 1999, 19, 366-375.	1.2	58
53	Responsiveness and Uniqueness of the Pediatric Outcomes Data Collection Instrument Compared to the Gross Motor Function Measure for Measuring Orthopaedic and Neurosurgical Outcomes in Cerebral Palsy. Journal of Pediatric Orthopaedics, 2005, 25, 641-645.	1.2	57
54	Health-Related Physical Fitness for Children With Cerebral Palsy. Journal of Child Neurology, 2014, 29, 1091-1100.	1.4	57

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55	Title is missing!. Journal of Pediatric Orthopaedics, 2003, 23, 535-541.	1.2	55
56	Contribution of hip joint proprioception to static and dynamic balance in cerebral palsy: a case control study. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 57.	4.6	55
57	Fatigue Resistance During a Voluntary Performance Task Is Associated With Lower Levels of Mobility in Cerebral Palsy. Archives of Physical Medicine and Rehabilitation, 2008, 89, 2011-2016.	0.9	54
58	A novel walking speed estimation scheme and its application to treadmill control for gait rehabilitation. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 62.	4.6	54
59	Strategies for Increasing Walking Speed in Diplegic Cerebral Palsy. Journal of Pediatric Orthopaedics, 1996, 16, 753-758.	1.2	54
60	Asymmetric Hip Deformity and Subluxation in Cerebral Palsy: An Analysis of Surgical Treatment. Journal of Pediatric Orthopaedics, 1999, 19, 479-485.	1.2	54
61	Development of a Haptic Elbow Spasticity Simulator (HESS) for Improving Accuracy and Reliability of Clinical Assessment of Spasticity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 361-370.	4.9	51
62	Effectiveness of surgical and non-surgical management of crouch gait in cerebral palsy: A systematic review. Gait and Posture, 2017, 54, 93-105.	1.4	51
63	Acceptability and potential effectiveness of a foot drop stimulator in children and adolescents with cerebral palsy. Developmental Medicine and Child Neurology, 2012, 54, 1044-1049.	2.1	50
64	The Effects of Exoskeleton Assisted Knee Extension on Lower-Extremity Gait Kinematics, Kinetics, and Muscle Activity in Children with Cerebral Palsy. Scientific Reports, 2017, 7, 13512.	3.3	50
65	Feasibility and preliminary effectiveness of a novel mobility training intervention in infants and toddlers with cerebral palsy. Developmental Neurorehabilitation, 2012, 15, 259-266.	1.1	49
66	Meaningfulness of mean group results for determining the optimal motor rehabilitation program for an individual child with cerebral palsy. Developmental Medicine and Child Neurology, 2014, 56, 1141-1146.	2.1	48
67	Outcome assessments in children with cerebral palsy, Part II: discriminatory ability of outcome tools. Developmental Medicine and Child Neurology, 2007, 49, 181-186.	2.1	46
68	Somatosensoryâ€evoked cortical activity in spastic diplegic cerebral palsy. Human Brain Mapping, 2010, 31, 1772-1785.	3.6	46
69	Children With Cerebral Palsy Have Greater Stride-to-Stride Variability of Muscle Synergies During Gait Than Typically Developing Children: Implications for Motor Control Complexity. Neurorehabilitation and Neural Repair, 2018, 32, 834-844.	2.9	46
70	Comparison of elliptical training, stationary cycling, treadmill walking and overground walking. Gait and Posture, 2011, 34, 260-264.	1.4	44
71	Comparison of elliptical training, stationary cycling, treadmill walking and overground walking. Electromyographic patterns. Gait and Posture, 2011, 33, 244-250.	1.4	42
72	Progressive resistance exercise in physical therapy: a summary of systematic reviews. Physical Therapy, 2005, 85, 1208-23.	2.4	42

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73	Gross Motor Function Classification System and outcome tools for assessing ambulatory cerebral palsy: a multicenter study. Developmental Medicine and Child Neurology, 2004, 46, 311-9.	2.1	36
74	Pediatric Outcomes Data Collection Instrument Scores in Ambulatory Children With Cerebral Palsy. Journal of Pediatric Orthopaedics, 2008, 28, 97-102.	1.2	36
75	Interrelationships of Strength and Gait Before and After Hamstrings Lengthening. Journal of Pediatric Orthopaedics, 1999, 19, 352-358.	1.2	36
76	Characteristics associated with improved knee extension after strength training for individuals with cerebral palsy and crouch gait. Journal of Pediatric Rehabilitation Medicine, 2012, 5, 99-106.	0.5	35
77	Part 2: Adaptation of Gait Kinematics in Unilateral Cerebral Palsy Demonstrates Preserved Independent Neural Control of Each Limb. Frontiers in Human Neuroscience, 2017, 11, 50.	2.0	34
78	Novel Methods to Enhance Precision and Reliability in Muscle Synergy Identification during Walking. Frontiers in Human Neuroscience, 2016, 10, 455.	2.0	33
79	Early intervention evidence for infants with or at risk for cerebral palsy: an overview of systematic reviews. Developmental Medicine and Child Neurology, 2021, 63, 771-784.	2.1	33
80	Biomechanical changes in gait following selective dorsal rhizotomy. Journal of Neurosurgery, 2005, 102, 157-162.	1.6	32
81	Kinematic foot types in youth with equinovarus secondary to hemiplegia. Gait and Posture, 2015, 41, 402-408.	1.4	29
82	Reviewing Muscle Cocontraction. Physical and Occupational Therapy in Pediatrics, 1993, 12, 3-20.	1.3	29
83	Relationships among musculoskeletal impairments and functional health status in ambulatory cerebral palsy. Journal of Pediatric Orthopaedics, 2003, 23, 535-41.	1.2	27
84	A Practical Strategy for sEMG-Based Knee Joint Moment Estimation During Gait and Its Validation in Individuals With Cerebral Palsy. IEEE Transactions on Biomedical Engineering, 2012, 59, 1480-1487.	4.2	25
85	Shoulder strength profiles in children with and without brachial PLEXUS PALSY. Muscle and Nerve, 2014, 50, 60-66.	2.2	25
86	Contributors to fatigue resistance of the hamstrings and quadriceps in cerebral palsy. Clinical Biomechanics, 2009, 24, 355-360.	1.2	24
87	Effects of a rapid-resisted elliptical training program on motor, cognitive and neurobehavioral functioning in adults with chronic traumatic brain injury. Experimental Brain Research, 2016, 234, 2245-2252.	1.5	24
88	Effect of muscle strength training in children and adolescents with spastic cerebral palsy: A systematic review and meta-analysis. Clinical Rehabilitation, 2022, 36, 4-14.	2.2	24
89	Title is missing!. Journal of Pediatric Orthopaedics, 1999, 19, 352-358.	1.2	24
90	An Interactive Treadmill Under a Novel Control Scheme for Simulating Overground Walking by Reducing Anomalous Force. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1491-1496.	5.8	23

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91	Coordination of Reach-to-Grasp Kinematics in Individuals With Childhood-Onset Dystonia Due to Hemiplegic Cerebral Palsy. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 582-590.	4.9	22
92	Children With Unilateral Cerebral Palsy Utilize More Cortical Resources for Similar Motor Output During Treadmill Gait. Frontiers in Human Neuroscience, 2020, 14, 36.	2.0	22
93	A Feasible and Reliable Muscle Fatigue Assessment Protocol for Individuals with Cerebral Palsy. Pediatric Physical Therapy, 2008, 20, 59-65.	0.6	20
94	Task-Specific and Functional Effects of Speed-Focused Elliptical or Motor-Assisted Cycle Training in Children With Bilateral Cerebral Palsy: Randomized Clinical Trial. Neurorehabilitation and Neural Repair, 2017, 31, 736-745.	2.9	20
95	Reviewing Muscle Cocontraction. Physical and Occupational Therapy in Pediatrics, 1993, 12, 3-20.	1.3	19
96	Cortical activation and inter-hemispheric sensorimotor coherence in individuals with arm dystonia due to childhood stroke. Clinical Neurophysiology, 2015, 126, 1589-1598.	1.5	19
97	A Pediatric Knee Exoskeleton With Real-Time Adaptive Control for Overground Walking in Ambulatory Individuals With Cerebral Palsy. Frontiers in Robotics and AI, 2021, 8, 702137.	3.2	19
98	A robotic exoskeleton to treat crouch gait from cerebral palsy: Initial kinematic and neuromuscular evaluation. , 2016, 2016, 2214-2217.		17
99	Systematic Review of Clinical Guidelines Related to Care of Individuals With Cerebral Palsy as Part of the World Health Organization Efforts to Develop a Global Package of Interventions for Rehabilitation. Archives of Physical Medicine and Rehabilitation, 2021, 102, 1764-1774.	0.9	17
100	Characteristics of Bilateral Hand Function in Individuals With Unilateral Dystonia Due to Perinatal Stroke. Journal of Child Neurology, 2014, 29, 623-632.	1.4	16
101	Deficits in motor abilities for multi-finger force control in hemiparetic stroke survivors. Experimental Brain Research, 2016, 234, 2391-2402.	1.5	16
102	Balance Assessment in Traumatic Brain Injury: A Comparison of the Sensory Organization and Limits of Stability Tests. Journal of Neurotrauma, 2019, 36, 2435-2442.	3.4	16
103	Pass the torch, please!. Developmental Medicine and Child Neurology, 2007, 49, 723-723.	2.1	15
104	Relationship between sensorimotor cortical activation as assessed by functional near infrared spectroscopy and lower extremity motor coordination in bilateral cerebral palsy. NeuroImage: Clinical, 2018, 20, 275-285.	2.7	15
105	Progressive resistance exercise increases strength but does not improve objective measures of mobility in young people with cerebral palsy. Journal of Physiotherapy, 2014, 60, 58.	1.7	14
106	Motor Learning Abilities Are Similar in Hemiplegic Cerebral Palsy Compared to Controls as Assessed by Adaptation to Unilateral Leg-Weighting during Gait: Part I. Frontiers in Human Neuroscience, 2017, 11, 49.	2.0	14
107	Functional Near Infrared Spectroscopy of the Sensory and Motor Brain Regions with Simultaneous Kinematic and EMG Monitoring During Motor Tasks. Journal of Visualized Experiments, 2014, , .	0.3	13
108	Estimating the Mechanical Behavior of the Knee Joint During Crouch Gait: Implications for Real-Time Motor Control of Robotic Knee Orthoses. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 621-629.	4.9	13

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109	Exergaming with a pediatric exoskeleton: Facilitating rehabilitation and research in children with cerebral palsy. , 2017, 2017, 1087-1093.		13
110	Muscle thickness reflects activity in CP but how well does it represent strength?. Developmental Medicine and Child Neurology, 2008, 50, 88-88.	2.1	12
111	Muscle synergies: input or output variables for neural control?. Developmental Medicine and Child Neurology, 2015, 57, 1091-1092.	2.1	12
112	Rehabilitation Research at the National Institutes of Health. Neurorehabilitation and Neural Repair, 2017, 31, 304-314.	2.9	12
113	Relationship between assistive torque and knee biomechanics during exoskeleton walking in individuals with crouch gait. , 2017, 2017, 491-497.		12
114	Brain activation patterns underlying upper limb bilateral motor coordination in unilateral cerebral palsy: an fNIRS study. Developmental Medicine and Child Neurology, 2020, 62, 625-632.	2.1	12
115	What does the Ashworth scale really measure and are instrumented measures more valid and precise?. Developmental Medicine and Child Neurology, 2002, 44, 112-118.	2.1	11
116	A New Perspective on the Walking Margin of Stability. Journal of Applied Biomechanics, 2014, 30, 737-741.	0.8	11
117	Biomechanical evaluation of virtual reality-based turning on a self-paced linear treadmill. Gait and Posture, 2018, 65, 157-162.	1.4	10
118	Comparing functional profiles of children with hemiplegic and diplegic cerebral palsy in GMFCS Levels I and II: are separate classifications needed?. Developmental Medicine and Child Neurology, 2006, 48, 797-803.	2.1	9
119	Measurement of rectus femoris muscle velocities during patellar tendon jerk using vector tissue doppler imaging. , 2009, 2009, 2963-6.		9
120	Hearing Safety From Single- and Double-Pulse Transcranial Magnetic Stimulation in Children and Young Adults. Journal of Clinical Neurophysiology, 2017, 34, 340-347.	1.7	9
121	Design Advancements Toward a Wearable Pediatric Robotic Knee Exoskeleton for Overground Gait Rehabilitation. , 2018, , .		9
122	Computational modeling of neuromuscular response to swing-phase robotic knee extension assistance in cerebral palsy. Journal of Biomechanics, 2019, 87, 142-149.	2.1	9
123	Effects of Dopamine on Motor Recovery and Training in Adults and Children With Nonprogressive Neurological Injuries: A Systematic Review. Neurorehabilitation and Neural Repair, 2019, 33, 331-344.	2.9	9
124	Systematic Review: Recommendations for Rehabilitation in ASD and ID From Clinical Practice Guidelines. Archives of Rehabilitation Research and Clinical Translation, 2021, 3, 100140.	0.9	9
125	Haptic recreation of elbow spasticity. , 2011, 2011, 5975462.		8
126	2014 Section on Pediatrics Knowledge Translation Lecture. Pediatric Physical Therapy, 2015, 27, 105-112.	0.6	8

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127	Inter-joint coordination analysis of reach-to-grasp kinematics in children and adolescents with obstetrical brachial plexus palsy. Clinical Biomechanics, 2017, 46, 15-22.	1.2	8
128	Poor data produce poor models: children with developmental disabilities deserve better. The Lancet Global Health, 2019, 7, e188.	6.3	8
129	Obstetric Brachial Plexus Palsy: Can a Unilateral Birth Onset Peripheral Injury Significantly Affect Brain Development?. Developmental Neurorehabilitation, 2020, 23, 375-382.	1.1	8
130	Toward a hybrid exoskeleton for crouch gait in children with cerebral palsy: neuromuscular electrical stimulation for improved knee extension. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 121.	4.6	8
131	Akwenda intervention programme for children and youth with cerebral palsy in a low-resource setting in sub-Saharan Africa: protocol for a quasi-randomised controlled study. BMJ Open, 2021, 11, e047634.	1.9	8
132	Is Addressing Impairments the Shortest Path to Improving Function?. Physical and Occupational Therapy in Pediatrics, 2008, 28, 327-330.	1.3	7
133	Measurement of tendon velocities using vector Tissue Doppler Imaging: A feasibility study. , 2010, 2010, 5310-3.		7
134	Accuracy and reliability of haptic spasticity assessment using HESS (Haptic Elbow Spasticity) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T		7
135	Repeatability of EMG activity during exoskeleton assisted walking in children with cerebral palsy: implications for real time adaptable control. , 2018, 2018, 2801-2804.		7
136	International initiatives to improve the lives of children with developmental disabilities. Developmental Medicine and Child Neurology, 2019, 61, 1121-1121.	2.1	7
137	Should we be testing and training muscle strength in cerebral palsy?. Developmental Medicine and Child Neurology, 2002, 44, 68-72.	2.1	6
138	We are the world: meeting the global challenge of childhood disability. Developmental Medicine and Child Neurology, 2016, 58, 649-649.	2.1	6
139	Rehabilitation Research at the National Institutes of Health: Moving the Field Forward (Executive) Tj ETQq1 1 0.784314 rgBT /Overloc	0.9	6
140	Quantification of Muscle Tissue Properties by Modeling the Statistics of Ultrasound Image Intensities Using a Mixture of Gamma Distributions in Children With and Without Cerebral Palsy. Journal of Ultrasound in Medicine, 2018, 37, 2157-2169.	1.7	6
141	Validating Model-Based Prediction Of Biological Knee Moment During Walking With An Exoskeleton in Crouch Gait: Potential Application for Exoskeleton Control. , 2019, 2019, 778-783.		6
142	Comparison of functional outcomes from orthopedic and neurosurgical interventions in spastic diplegia. Neurosurgical Focus, 1998, 4, E5.	2.3	5
143	Effects of motor activity on brain and muscle development in cerebral palsy. , 2014, , 189-198.		5
144	Rehabilitation Research at the National Institutes of Health: Moving the Field Forward (Executive) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.3	5

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145	Mu Rhythm during Standing and Walking Is Altered in Children with Unilateral Cerebral Palsy Compared to Children with Typical Development. Developmental Neurorehabilitation, 2021, 24, 8-17.	1.1	5
146	Exoskeleton Assistance Improves Crouch during Overground Walking with Forearm Crutches: A Case Study. , 2020, , .		4
147	Algorithmic localization of high-density EEG electrode positions using motion capture. Journal of Neuroscience Methods, 2020, 346, 108919.	2.5	4
148	Greater Reliance on Cerebral Palsy-Specific Muscle Synergies During Gait Relates to Poorer Temporal-Spatial Performance Measures. Frontiers in Physiology, 2021, 12, 630627.	2.8	4
149	Classification of cerebral palsy: clinical therapist's perspective. Developmental Medicine and Child Neurology, 2007, 49, 16-17.	2.1	3
150	Rehabilitation research at the National Institutes of Health: Moving the field forward (Executive) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	2.0	3
151	Effects of Orthoses on Standing Postural Control and Muscle Activity in Children With Cerebral Palsy. Pediatric Physical Therapy, 2021, 33, 129-135.	0.6	3
152	Effects of quadriceps strengthening on crouch gait in children with spastic diplegia. Gait and Posture, 1994, 2, 62.	1.4	2
153	Loaded sit-to-stand resistance exercise improves motor function in children with cerebral palsy. Australian Journal of Physiotherapy, 2007, 53, 201.	0.9	2
154	Relating motor and cognitive interventions in animals and humans. Translational Neuroscience, 2014, 5, .	1.4	2
155	An open source graphical user interface for wireless communication and operation of wearable robotic technology. Journal of Rehabilitation and Assistive Technologies Engineering, 2020, 7, 205566832096405.	0.9	2
156	Rehabilitation research at the National Institutes of Health moving the field forward (executive) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	1.3	2
157	Asymmetric Hip Deformity and Subluxation in Cerebral Palsy: An Analysis of Surgical Treatment. Journal of Pediatric Orthopaedics, 1999, 19, 479-485.	1.2	2
158	â€˜Better Togetherâ€™: achieving a global professional network for childhood disability. Developmental Medicine and Child Neurology, 2022, 64, 277-278.	2.1	2
159	Muscle size matters. Developmental Medicine and Child Neurology, 2009, 51, 416-417.	2.1	1
160	Early identification and intervention in developmental coordination disorder: lessons for and from cerebral palsy. Developmental Medicine and Child Neurology, 2021, 63, 630-630.	2.1	1
161	Functional and Structural Brain Connectivity in Children With Bilateral Cerebral Palsy Compared to Age-Related Controls and in Response to Intensive Rapid-Reciprocal Leg Training. Frontiers in Rehabilitation Sciences, 2022, 3, .	1.2	1
162	Strengthening Exercises. , 2005, , 806-808.		0

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163	Are muscle strength and fatigue related to walking velocity in individuals with and without CP?. Gait and Posture, 2006, 24, S257-S258.	1.4	0
164	Measurement of tendon velocities using vector tissue Doppler imaging and curved M-mode in patients with cerebral palsy. , 2011, , .		0
165	Commentary on an article by Pamela Thomason, BPhty, MPT, et al.: â€œSingle-Event Multilevel Surgery in Children with Spastic Diplegia. A Pilot Randomized Controlled Trialâ€. Journal of Bone and Joint Surgery - Series A, 2011, 93, e19.	3.0	0
166	Functional near-infrared spectroscopy to assess sensorimotor cortical activity during hand squeezing and ankle dorsiflexion in individuals with and without bilateral and unilateral cerebral palsy. Neurophotonics, 2020, 7, 045001.	3.3	0
167	Compensatory strategies lead to efficient movement in children with brachial plexus birth injury. Annals of Physical and Rehabilitation Medicine, 2022, 65, 101515.	2.3	0
168	NCS Assessments of the Motor, Sensory, and Physical Health Domains. Frontiers in Pediatrics, 2021, 9, 622542.	1.9	0