Ming Wu

List of Publications by Year
in descending order

49 papers	919 citations	471061 17 h-index	500791 28 g-index
49 all docs	49 docs citations	49 times ranked	668 citing authors

#	Article	IF	Citations
1	A cable-driven locomotor training system for restoration of gait in human SCI. Gait and Posture, 2011, 33, 256-260.	0.6	98
2	Locomotor adaptation to resistance during treadmill training transfers to overground walking in human SCI. Experimental Brain Research, 2012, 216, 473-482.	0.7	77
3	Using swing resistance and assistance to improve gait symmetry in individuals post-stroke. Human Movement Science, 2015, 42, 212-224.	0.6	63
4	Robotic Resistance Treadmill Training Improves Locomotor Function in Human Spinal Cord Injury: A Pilot Study. Archives of Physical Medicine and Rehabilitation, 2012, 93, 782-789.	0.5	61
5	Robotic Resistance/Assistance Training Improves Locomotor Function in Individuals Poststroke: A Randomized Controlled Study. Archives of Physical Medicine and Rehabilitation, 2014, 95, 799-806.	0.5	49
6	Robotic Resistance Treadmill Training Improves Locomotor Function in Children With Cerebral Palsy: A Randomized Controlled Pilot Study. Archives of Physical Medicine and Rehabilitation, 2017, 98, 2126-2133.	0.5	45
7	Temporal facilitation of spastic stretch reflexes following human spinal cord injury. Journal of Physiology, 2006, 571, 593-604.	1.3	44
8	Effects of the Integration of Dynamic Weight Shifting Training Into Treadmill Training on Walking Function of Children with Cerebral Palsy. American Journal of Physical Medicine and Rehabilitation, 2017, 96, 765-772.	0.7	35
9	Minimal step length necessary for recovery of forward balance loss with a single step. Journal of Biomechanics, 2007, 40, 1559-1566.	0.9	32
10	Applying a pelvic corrective force induces forced use of the paretic leg and improves paretic leg EMG activities of individuals post-stroke during treadmill walking. Clinical Neurophysiology, 2017, 128, 1915-1922.	0.7	28
11	Ankle Load Modulates Hip Kinetics and EMG During Human Locomotion. Journal of Neurophysiology, 2009, 101, 2062-2076.	0.9	26
12	Feedback and Feedforward Locomotor Adaptations to Ankle-Foot Load in People With Incomplete Spinal Cord Injury. Journal of Neurophysiology, 2010, 104, 1325-1338.	0.9	23
13	Extensor spasms triggered by imposed knee extension in chronic human spinal cord injury. Experimental Brain Research, 2005, 162, 239-249.	0.7	22
14	Size of kinematic error affects retention of locomotor adaptation in human spinal cord injury. Journal of Rehabilitation Research and Development, 2013, 50, 1187-1200.	1.6	22
15	Forced Use of the Paretic Leg Induced by a Constraint Force Applied to the Nonparetic Leg in Individuals Poststroke During Walking. Neurorehabilitation and Neural Repair, 2017, 31, 1042-1052.	1.4	22
16	Augmented multisensory feedback enhances locomotor adaptation in humans with incomplete spinal cord injury. Human Movement Science, 2014, 35, 80-93.	0.6	21
17	Repeat Exposure to Leg Swing Perturbations During Treadmill Training Induces Long-Term Retention of Increased Step Length in Human SCI. American Journal of Physical Medicine and Rehabilitation, 2016, 95, 911-920.	0.7	20
18	The reaction strategy of lower extremity muscles when slips occur to individuals with trans-femoral amputation. Journal of Electromyography and Kinesiology, 2007, 17, 228-240.	0.7	18

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19	Spastic Reflexes Triggered by Ankle Load Release in Human Spinal Cord Injury. Journal of Neurophysiology, 2006, 96, 2941-2950.	0.9	17
20	Kinematic and EMG Responses to Pelvis and Leg Assistance Force during Treadmill Walking in Children with Cerebral Palsy. Neural Plasticity, 2016, 2016, 1-12.	1.0	15
21	Gradual increase of perturbation load induces a longer retention of locomotor adaptation in children with cerebral palsy. Human Movement Science, 2019, 63, 20-33.	0.6	15
22	Flexor reflex responses triggered by imposed knee extension in chronic human spinal cord injury. Experimental Brain Research, 2006, 168, 566-576.	0.7	13
23	Facilitating Weight Shifting During Treadmill Training Improves Walking Function in Humans With Spinal Cord Injury. American Journal of Physical Medicine and Rehabilitation, 2018, 97, 585-592.	0.7	13
24	Modulation of flexor reflexes by static and dynamic hip proprioceptors in chronic human spinal cord injury. Journal of Clinical Neuroscience, 2007, 14, 1078-1088.	0.8	12
25	Forced use of paretic leg induced by constraining the non-paretic leg leads to motor learning in individuals post-stroke. Experimental Brain Research, 2019, 237, 2691-2703.	0.7	11
26	sEMG Based Gait Phase Recognition for Children with Spastic Cerebral Palsy. Annals of Biomedical Engineering, 2019, 47, 223-230.	1.3	11
27	Motor Adaptation to Weight Shifting Assistance Transfers to Overground Walking in People with Spinal Cord Injury. PM and R, 2019, 11, 1200-1209.	0.9	10
28	Use of Pelvic Corrective Force With Visual Feedback Improves Paretic Leg Muscle Activities and Gait Performance After Stroke. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 2353-2360.	2.7	9
29	Targeted Pelvic Constraint Force Induces Enhanced Use of the Paretic Leg During Walking in Persons Post-Stroke. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2184-2193.	2.7	9
30	Design and Evaluation of a Wearable Powered Foot Orthosis with Metatarsophalangeal Joint. Applied Bionics and Biomechanics, 2018, 2018, 1-7.	0.5	8
31	Gradual adaptation to pelvis perturbation during walking reinforces motor learning of weight shift toward the paretic side in individuals post-stroke. Experimental Brain Research, 2021, 239, 1701-1713.	0.7	8
32	Prolonged electrical stimulation over hip flexors increases locomotor output in human SCI. Clinical Neurophysiology, 2011, 122, 1421-1428.	0.7	7
33	A novel cable-driven robotic training improves locomotor function in individuals post-stroke. , 2011, 2011, 8539-42.		7
34	Motor adaptation to lateral pelvis assistance force during treadmill walking in individuals post-stroke. , 2017, 2017, 300-303.		7
35	Error variability affects the after effects following motor learning of lateral balance control during walking in people with spinal cord injury. European Journal of Neuroscience, 2019, 50, 3221-3234.	1.2	6
36	Increased motor variability facilitates motor learning in weight shift toward the paretic side during walking in individuals postâ€stroke. European Journal of Neuroscience, 2021, 53, 3490-3506.	1.2	6

#	Article	IF	Citations
37	Enhanced error facilitates motor learning in weight shift and increases use of the paretic leg during walking at chronic stage after stroke. Experimental Brain Research, 2021, 239, 3327-3341.	0.7	6
38	Rebound responses to prolonged flexor reflex stimuli in human spinal cord injury. Experimental Brain Research, 2009, 193, 225-237.	0.7	5
39	Locomotor training through a 3D cable-driven robotic system for walking function in children with cerebral palsy: A pilot study. , 2014, 2014, 3529-32.		5
40	Reflex responses to combined hip and knee motion in human chronic spinal cord injury. Journal of Rehabilitation Research and Development, 2010, 47, 117.	1.6	3
41	Varied movement errors drive learning of dynamic balance control during walking in people with incomplete spinal cord injury: a pilot study. Experimental Brain Research, 2020, 238, 981-993.	0.7	3
42	Anodal transcutaneous DC stimulation enhances learning of dynamic balance control during walking in humans with spinal cord injury. Experimental Brain Research, 2022, 240, 1943-1955.	0.7	3
43	Gait Symmetry Can Reduce Dependence on the Intact Limb during Walking with Constraint of Unilateral Metatarsophalangeal Joints. , 2018, 2018, 2300-2303.		1
44	Combined Visual Feedback with Pelvic Assistance Force Improves Step Length during treadmill walking in Individuals with Post-Stroke Hemiparesis. , 2018, 2018, 2333-2336.		1
45	Toward Flexible Assistance for Locomotor Training: Design and Clinical Testing of a Cable-Driven Robot for Stroke, Spinal Cord Injury, and Cerebral Palsy. , 2016, , 435-459.		1
46	Repeated adaptation and de-adaptation to the pelvis resistance force facilitate retention of motor learning in stroke survivors. Journal of Neurophysiology, 2022, 127, 1642-1654.	0.9	1
47	Body-Weight-Supported Treadmill Walking Training Improves Functional Walking and Balance in Stroke Survivors at Any Poststroke Stage: A Systematic Review. Critical Reviews in Physical and Rehabilitation Medicine, 2018, 30, 303-322.	0.1	0
48	Effects of Unilateral Restriction of the Metatarsophalangeal Joints on Biped Robot Walking. , 2018, , .		0
49	Lower Extremity Flexible Assist Devices for Locomotion. , 2012, , 361-378.		0