

# Tania Lam

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,094  
citations

236925

25  
h-index

243625

44  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1962  
citing authors

#	ARTICLE	IF	CITATIONS
1	A systematic review of functional ambulation outcome measures in spinal cord injury. <i>Spinal Cord</i> , 2008, 46, 246-254.	1.9	224
2	Gait speed using powered robotic exoskeletons after spinal cord injury: a systematic review and correlational study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 82.	4.6	169
3	Contribution of Feedback and Feedforward Strategies to Locomotor Adaptations. <i>Journal of Neurophysiology</i> , 2006, 95, 766-773.	1.8	168
4	Proprioceptive Modulation of Hip Flexor Activity During the Swing Phase of Locomotion in Decerebrate Cats. <i>Journal of Neurophysiology</i> , 2001, 86, 1321-1332.	1.8	88
5	Swing Phase Resistance Enhances Flexor Muscle Activity During Treadmill Locomotion in Incomplete Spinal Cord Injury. <i>Neurorehabilitation and Neural Repair</i> , 2008, 22, 438-446.	2.9	79
6	The Role of Proprioceptive Feedback in the Regulation and Adaptation of Locomotor Activity. <i>Advances in Experimental Medicine and Biology</i> , 2002, 508, 343-355.	1.6	78
7	The mechanical relationship between the rearfoot, pelvis and low-back. <i>Gait and Posture</i> , 2010, 32, 637-640.	1.4	68
8	Infant stepping: a window to the behaviour of the human pattern generator for walking. <i>Canadian Journal of Physiology and Pharmacology</i> , 2004, 82, 662-674.	1.4	65
9	Association of Epidural Stimulation With Cardiovascular Function in an Individual With Spinal Cord Injury. <i>JAMA Neurology</i> , 2018, 75, 630.	9.0	65
10	Locomotor adaptations and aftereffects to resistance during walking in individuals with spinal cord injury. <i>Journal of Neurophysiology</i> , 2011, 106, 247-258.	1.8	62
11	A Systematic Review of the Effects of Pharmacological Agents on Walking Function in People with Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2012, 29, 865-879.	3.4	56
12	A Systematic Review of the Efficacy of Gait Rehabilitation Strategies for Spinal Cord Injury. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2007, 13, 32-57.	1.8	51
13	Turning Capacity in Ambulatory Individuals Poststroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2009, 88, 873-883.	1.4	48
14	Spinal Cord Injury Functional Ambulation Profile. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 285-293.	2.9	48
15	Infants Adapt Their Stepping to Repeated Trip-Inducing Stimuli. <i>Journal of Neurophysiology</i> , 2003, 90, 2731-2740.	1.8	48
16	Stumbling Corrective Responses During Treadmill-Elicited Stepping in Human Infants. <i>Journal of Physiology</i> , 2003, 553, 319-331.	2.9	45
17	Using Robot-Applied Resistance to Augment Body-Weight-Supported Treadmill Training in an Individual With Incomplete Spinal Cord Injury. <i>Physical Therapy</i> , 2011, 91, 143-151.	2.4	45
18	Reliability and validity of using the Lokomat to assess lower limb joint position sense in people with incomplete spinal cord injury. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 167.	4.6	45

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19	How Do Infants Adapt to Loading of the Limb During the Swing Phase of Stepping?. <i>Journal of Neurophysiology</i> , 2003, 89, 1920-1928.	1.8	44
20	Training with robot-applied resistance in people with motor-incomplete spinal cord injury: Pilot study. <i>Journal of Rehabilitation Research and Development</i> , 2015, 52, 113-130.	1.6	43
21	Treadmill-Based Locomotor Training with Leg Weights to Enhance Functional Ambulation in People with Chronic Stroke: A Pilot Study. <i>Journal of Neurologic Physical Therapy</i> , 2009, 33, 129-135.	1.4	39
22	Overground walking with a robotic exoskeleton elicits trunk muscle activity in people with high-thoracic motor-complete spinal cord injury. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018, 15, 109.	4.6	35
23	Overground vs. treadmill-based robotic gait training to improve seated balance in people with motor-complete spinal cord injury: a case report. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017, 14, 27.	4.6	34
24	Patterns of muscle coordination vary with stride frequency during weight assisted treadmill walking. <i>Gait and Posture</i> , 2010, 31, 360-365.	1.4	33
25	Cortical and vestibular stimulation reveal preserved descending motor pathways in individuals with motor-complete spinal cord injury. <i>Journal of Rehabilitation Medicine</i> , 2016, 48, 589-596.	1.1	31
26	Transfer of Motor Performance in an Obstacle Avoidance Task to Different Walking Conditions. <i>Journal of Neurophysiology</i> , 2004, 92, 2010-2016.	1.8	28
27	A systematic review of the effectiveness of task-specific rehabilitation interventions for improving independent sitting and standing function in spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2018, 41, 254-266.	1.4	28
28	Sartorius muscle afferents influence the amplitude and timing of flexor activity in walking decerebrate cats. <i>Experimental Brain Research</i> , 2002, 147, 175-185.	1.5	26
29	Neuromuscular strategies in the paretic leg during curved walking in individuals post-stroke. <i>Journal of Neurophysiology</i> , 2011, 106, 280-290.	1.8	26
30	Potential role of oxidative stress on the prescription of rehabilitation interventions in spinal cord injury. <i>Spinal Cord</i> , 2013, 51, 656-662.	1.9	21
31	Feasibility of sensory tongue stimulation combined with task-specific therapy in people with spinal cord injury: a case study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 96.	4.6	20
32	Quantification of Lower Extremity Kinesthesia Deficits Using a Robotic Exoskeleton in People With a Spinal Cord Injury. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 199-208.	2.9	17
33	Sensorimotor integration of vision and proprioception for obstacle crossing in ambulatory individuals with spinal cord injury. <i>Journal of Neurophysiology</i> , 2017, 117, 36-46.	1.8	17
34	Ergogenic effects of an epidural neuroprosthesis in one individual with spinal cord injury. <i>Neurology</i> , 2019, 92, 338-340.	1.1	16
35	Arm crank ergometer "spin" training improves seated balance and aerobic capacity in people with spinal cord injury. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 361-369.	2.9	16
36	Assessment of abdominal muscle function in individuals with motor-complete spinal cord injury above T6 in response to transcranial magnetic stimulation. <i>Journal of Rehabilitation Medicine</i> , 2015, 47, 138-146.	1.1	15

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37	Short-term Cortical Plasticity Associated With Feedback-Error Learning After Locomotor Training in a Patient With Incomplete Spinal Cord Injury. <i>Physical Therapy</i> , 2015, 95, 257-266.	2.4	14
38	Limited interlimb transfer of locomotor adaptations to a velocity-dependent force field during unipedal walking. <i>Journal of Neurophysiology</i> , 2012, 108, 943-952.	1.8	13
39	The relationship between lower limb proprioceptive sense and locomotor skill acquisition. <i>Experimental Brain Research</i> , 2016, 234, 3185-3192.	1.5	13
40	Quantifying lower limb joint position sense using a robotic exoskeleton: A pilot study. , 2011, 2011, 5975455.		12
41	The sensorimotor effects of a lower limb proprioception training intervention in individuals with a spinal cord injury. <i>Journal of Neurophysiology</i> , 2019, 122, 2364-2371.	1.8	11
42	Contributions to enhanced activity in rectus femoris in response to Lokomat-applied resistance. <i>Experimental Brain Research</i> , 2013, 225, 1-10.	1.5	10
43	Residual Innervation of the Pelvic Floor Muscles in People with Motor-Complete Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 2320-2331.	3.4	10
44	Walking Phase Modulates H-Reflex Amplitude in Flexor Carpi Radialis. <i>Journal of Motor Behavior</i> , 2014, 46, 49-57.	0.9	9
45	Acquisition of a precision walking skill and the impact of proprioceptive deficits in people with motor-incomplete spinal cord injury. <i>Journal of Neurophysiology</i> , 2019, 121, 1078-1084.	1.8	8
46	Improvements in skilled walking associated with kinematic adaptations in people with spinal cord injury. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 107.	4.6	7
47	Quantifying muscle coactivation in individuals with incomplete spinal cord injury using wavelets. <i>Clinical Biomechanics</i> , 2020, 73, 101-107.	1.2	7
48	Breathing Frequency Changes at the Onset of Stepping in Human Infants. <i>Journal of Neurophysiology</i> , 2008, 99, 1224-1234.	1.8	6
49	Exoskeleton gait training to improve lower urinary tract function in people with motor-complete spinal cord injury: A randomized pilot trial. <i>Journal of Rehabilitation Medicine</i> , 2021, 53, jrm00222.	1.1	6
50	Neuromuscular control of curved walking in people with stroke: Case report. <i>Journal of Rehabilitation Research and Development</i> , 2015, 52, 775-784.	1.6	5
51	Trunk muscle activity and kinematics during boxing and battle rope exercise in people with motor-complete spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2024, 47, 135-142.	1.4	4
52	Knowledge, Attitudes, and Practice of Pelvic Floor Muscle Training in People With Spinal Cord Injury: A Cross-Sectional Survey. <i>Frontiers in Rehabilitation Sciences</i> , 0, 3, .	1.2	4
53	Development of a rehabilitation goal menu for inpatients with neurological disorders: application in a Saudi Arabian context. <i>Clinical Rehabilitation</i> , 2015, 29, 1002-1012.	2.2	3
54	Accidental boosting in an individual with tetraplegia – considerations for the interpretation of cardiopulmonary exercise testing. <i>Journal of Spinal Cord Medicine</i> , 2022, 45, 969-974.	1.4	3

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55	Effects of Exercise-Based Interventions on Urogenital Outcomes in Persons with Spinal Cord Injury: A Systematic Review and Meta-Analysis. <i>Journal of Neurotrauma</i> , 2021, 38, 1225-1241.	3.4	2
56	Prior experience does not alter modulation of cutaneous reflexes during manual wheeling and symmetrical arm cycling. <i>Journal of Neurophysiology</i> , 2013, 109, 2345-2353.	1.8	1
57	PD64-03 DEMONSTRATION OF LEVATOR ANI EMG ACTIVITY BELOW THE LEVEL OF INJURY IN COMPLETE SPINAL CORD INJURY (SCI) USING OVER GROUND ROBOTIC EXOSKELETON WALKING. <i>Journal of Urology</i> , 2017, 197, .	0.4	1
58	Exploring the ecological validity and variability of a 10-min bout of wheeling. <i>Disability and Rehabilitation: Assistive Technology</i> , 2018, 13, 287-292.	2.2	0
59	2019 Champion of Change Award. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 8-9.	1.4	0