

Le Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86
papers

1,217
citations

18
h-index

32
g-index

105
ext. papers

1,578
ext. citations

3.2
avg, IF

4.45
L-index

#	Paper	IF	Citations
86	Effects of core stability training on older women with low back pain: a randomized controlled trial.. <i>European Review of Aging and Physical Activity</i> , 2022 , 19, 10	6.5	0
85	Interrater and Intrarater Reliability of Electrical Impedance Myography: A Comparison between Large and Small Handheld Electrode Arrays. <i>Journal of Healthcare Engineering</i> , 2021 , 2021, 7296322	3.7	0
84	Detection of functional connectivity in the brain during visuo-guided grip force tracking tasks: A functional near-infrared spectroscopy study. <i>Journal of Neuroscience Research</i> , 2021 , 99, 1108-1119	4.4	1
83	Inhomogeneous and anisotropic mechanical properties of the triceps surae muscles and aponeuroses in vivo during submaximal muscle contraction. <i>Journal of Biomechanics</i> , 2021 , 121, 110396	2.9	0
82	Voluntary Control of an Ankle Joint Exoskeleton by Able-Bodied Individuals and Stroke Survivors Using EMG-Based Admittance Control Scheme. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 695-705	5	10
81	Cortical Representations of Transversus Abdominis and Multifidus Muscles Were Discrete in Patients with Chronic Low Back Pain: Evidence Elicited by TMS. <i>Neural Plasticity</i> , 2021 , 2021, 6666024	3.3	1
80	The Effect of Virtual Reality Training on Anticipatory Postural Adjustments in Patients with Chronic Nonspecific Low Back Pain: A Preliminary Study. <i>Neural Plasticity</i> , 2021 , 2021, 9975862	3.3	1
79	Assessing redistribution of muscle innervation zones after spinal cord injuries. <i>Journal of Electromyography and Kinesiology</i> , 2021 , 59, 102550	2.5	3
78	A novel glasses-free virtual reality rehabilitation system on improving upper limb motor function among patients with stroke: A feasibility pilot study. <i>Medicine in Novel Technology and Devices</i> , 2021 , 11, 100069	2.1	3
77	Quantifying the Changes of Mechanical and Electrical Properties of Paralyzed Muscle in Survivors With Cervical Spinal Cord Injury. <i>Frontiers in Neurology</i> , 2021 , 12, 720901	4.1	0
76	Electrical Properties of Lumbar Paraspinal Muscles in Young Adults With and Without Chronic Low Back Pain Based on Electrical Impedance Myography: A Cross-Sectional Study.. <i>Frontiers in Neurology</i> , 2021 , 12, 789589	4.1	
75	Muscle Electrical Impedance Properties and Activation Alteration After Functional Electrical Stimulation-Assisted Cycling Training for Chronic Stroke Survivors: A Longitudinal Pilot Study.. <i>Frontiers in Neurology</i> , 2021 , 12, 746263	4.1	0
74	Mediator-free electron-transfer on patternable hierarchical meso/macro porous bienzyme interface for highly-sensitive sweat glucose and surface electromyography monitoring. <i>Sensors and Actuators B: Chemical</i> , 2020 , 312, 127962	8.5	29
73	Effects of Different Sling Settings on Electromyographic Activities of Selected Trunk Muscles: A Preliminary Research. <i>BioMed Research International</i> , 2020 , 2020, 2945952	3	4
72	Iterative Adjustment of Stimulation Timing and Intensity During FES-Assisted Treadmill Walking for Patients After Stroke. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020 , 28, 1292-1298	4.8	1
71	A Wearable Exoskeletal Rehabilitation Robot for Interactive Therapy 2020 , 19-39		1
70	Quantitative evaluation 2020 , 193-207		1

69	Advanced quantitative estimation methods for spasticity: a literature review. <i>Journal of International Medical Research</i> , 2020 , 48, 300060519888425	1.4	6
68	Impact of nonsurgical spinal decompression on paraspinal muscle morphology and mechanical properties in young adults with low back pain. <i>Journal of International Medical Research</i> , 2020 , 48, 300060520919232	1.4	1
67	EEG Changes in Time and Time-Frequency Domain During Movement Preparation and Execution in Stroke Patients. <i>Frontiers in Neuroscience</i> , 2020 , 14, 827	5.1	4
66	Trunk muscle activity during pressure feedback monitoring among individuals with and without chronic low Back pain. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 569	2.8	3
65	The association between pelvic asymmetry and non-specific chronic low back pain as assessed by the global postural system. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 596	2.8	2
64	The Effects of Extracorporeal Shock Wave Therapy on Spastic Muscle of the Wrist Joint in Stroke Survivors: Evidence From Neuromechanical Analysis. <i>Frontiers in Neuroscience</i> , 2020 , 14, 580762	5.1	5
63	Efficacy and Safety of Chinese Herbs for the Prevention of the Risk of Renal Damage in Henoch-Schonlein Purpura in Children: Meta-Analysis of Randomized Controlled Trials and GRADE Evaluation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019 , 2019, 4089184	2.3	3
62	Kinematic Analysis of Trajectory Dimension-Dependent Sensorimotor Control in Arm Tracking. <i>IEEE Access</i> , 2019 , 7, 8890-8900	3.5	4
61	The Step Response in Isometric Grip Force Tracking: A Model to Characterize Aging- and Stroke-Induced Changes. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019 , 27, 673-681	4.8	2
60	Identify the Alteration of Balance Control and Risk of Falling in Stroke Survivors During Obstacle Crossing Based on Kinematic Analysis. <i>Frontiers in Neurology</i> , 2019 , 10, 813	4.1	3
59	Scoliotic Imaging With a Novel Double-Sweep 2.5-Dimensional Extended Field-of-View Ultrasound. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019 , 66, 1304-1315	3.2	9
58	Alterations of Elastic Property of Spastic Muscle With Its Joint Resistance Evaluated From Shear Wave Elastography and Biomechanical Model. <i>Frontiers in Neurology</i> , 2019 , 10, 736	4.1	10
57	Comparison of dominant hand to non-dominant hand in conduction of reaching task from 3D kinematic data: Trade-off between successful rate and movement efficiency. <i>Mathematical Biosciences and Engineering</i> , 2019 , 16, 1611-1624	2.1	3
56	Lumbar muscles biomechanical characteristics in young people with chronic spinal pain. <i>BMC Musculoskeletal Disorders</i> , 2019 , 20, 559	2.8	9
55	Correlation Between Muscle Structures and Electrical Properties of the Tibialis Anterior in Subacute Stroke Survivors: A Pilot Study. <i>Frontiers in Neuroscience</i> , 2019 , 13, 1270	5.1	4
54	Stroke-Related Changes in the Complexity of Muscle Activation during Obstacle Crossing Using Fuzzy Approximate Entropy Analysis. <i>Frontiers in Neurology</i> , 2018 , 9, 131	4.1	8
53	The Crucial Changes of Sit-to-Stand Phases in Subacute Stroke Survivors Identified by Movement Decomposition Analysis. <i>Frontiers in Neurology</i> , 2018 , 9, 185	4.1	7
52	The Perceived Benefits of an Artificial Intelligence-Embedded Mobile App Implementing Evidence-Based Guidelines for the Self-Management of Chronic Neck and Back Pain: Observational Study. <i>JMIR MHealth and UHealth</i> , 2018 , 6, e198	5.5	13

51	Speed-adaptive control of functional electrical stimulation for dropfoot correction. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018 , 15, 98	5.3	4
50	6.3: Glasses-free Virtual Reality for Rehabilitation of Stroke Survivors. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 57-59	0.5	
49	Quantifying paraspinal muscle tone and stiffness in young adults with chronic low back pain: a reliability study. <i>Scientific Reports</i> , 2018 , 8, 14343	4.9	22
48	Combining Movement-Related Cortical Potentials and Event-Related Desynchronization to Study Movement Preparation and Execution. <i>Frontiers in Neurology</i> , 2018 , 9, 822	4.1	19
47	Assessing the Relationship Between Motor Anticipation and Cortical Excitability in Subacute Stroke Patients With Movement-Related Potentials. <i>Frontiers in Neurology</i> , 2018 , 9, 881	4.1	4
46	Assessing the immediate impact of botulinum toxin injection on impedance of spastic muscle. <i>Medical Engineering and Physics</i> , 2017 , 43, 97-102	2.4	7
45	Prospective clinical study of rehabilitation interventions with multisensory interactive training in patients with cerebral infarction: study protocol for a randomised controlled trial. <i>Trials</i> , 2017 , 18, 173	2.8	5
44	Electrical impedance myography changes after incomplete cervical spinal cord injury: An examination of hand muscles. <i>Clinical Neurophysiology</i> , 2017 , 128, 2242-2247	4.3	7
43	Relative and Absolute Interrater Reliabilities of a Hand-Held Myotonometer to Quantify Mechanical Muscle Properties in Patients with Acute Stroke in an Inpatient Ward. <i>BioMed Research International</i> , 2017 , 2017, 4294028	3	21
42	Cerebral Reorganization in Subacute Stroke Survivors after Virtual Reality-Based Training: A Preliminary Study. <i>Behavioural Neurology</i> , 2017 , 2017, 6261479	3	19
41	Kinematic Outcome Measures using Target-Reaching Arm Movement in Stroke. <i>Annals of Biomedical Engineering</i> , 2017 , 45, 2794-2803	4.7	5
40	Electrical Impedance Myography for Evaluating Paretic Muscle Changes After Stroke. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017 , 25, 2113-2121	4.8	19
39	Alterations of Muscle Activation Pattern in Stroke Survivors during Obstacle Crossing. <i>Frontiers in Neurology</i> , 2017 , 8, 70	4.1	12
38	Alterations in Localized Electrical Impedance Myography of Biceps Brachii Muscles Paralyzed by Spinal Cord Injury. <i>Frontiers in Neurology</i> , 2017 , 8, 253	4.1	7
37	The Difference of Neural Networks between Bimanual Antiphase and In-Phase Upper Limb Movements: A Preliminary Functional Magnetic Resonance Imaging Study. <i>Behavioural Neurology</i> , 2017 , 2017, 8041962	3	4
36	The Effect of Subcutaneous Fat on Electrical Impedance Myography: Electrode Configuration and Multi-Frequency Analyses. <i>PLoS ONE</i> , 2016 , 11, e0156154	3.7	12
35	Combined Ultrasound Imaging and Biomechanical Modeling to Estimate Triceps Brachii Musculotendon Changes in Stroke Survivors. <i>BioMed Research International</i> , 2016 , 2016, 5275768	3	2
34	Localized Electrical Impedance Myography of the Biceps Brachii Muscle during Different Levels of Isometric Contraction and Fatigue. <i>Sensors</i> , 2016 , 16,	3.8	29

33	Effect of different terrains on onset timing, duration and amplitude of tibialis anterior activation. <i>Biomedical Signal Processing and Control</i> , 2015 , 19, 115-121	4.9	4
32	Changes of pelvis control with subacute stroke: A comparison of body-weight- support treadmill training coupled virtual reality system and over-ground training. <i>Technology and Health Care</i> , 2015 , 23 Suppl 2, S355-64	1.1	5
31	Improved walking ability with wearable robot-assisted training in patients suffering chronic stroke. <i>Bio-Medical Materials and Engineering</i> , 2015 , 26 Suppl 1, S329-40	1	10
30	Alterations in multidimensional motor unit number index of hand muscles after incomplete cervical spinal cord injury. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 238	3.3	14
29	Reduced knee hyperextension after wearing a robotic knee orthosis during gait training--a case study. <i>Bio-Medical Materials and Engineering</i> , 2015 , 26 Suppl 1, S381-8	1	2
28	The Effect of Body Weight Support Treadmill Training on Gait Recovery, Proximal Lower Limb Motor Pattern, and Balance in Patients with Subacute Stroke. <i>BioMed Research International</i> , 2015 , 2015, 175719	3	48
27	Ultrasound Imaging of Muscle-tendon Architecture in Neurological Disease: Theoretical Basis and Clinical Applications. <i>Current Medical Imaging</i> , 2015 , 10, 246-251	1.2	2
26	Change of muscle architecture following body weight support treadmill training for persons after subacute stroke: evidence from ultrasonography. <i>BioMed Research International</i> , 2014 , 2014, 270676	3	14
25	Virtual reality training improves balance function. <i>Neural Regeneration Research</i> , 2014 , 9, 1628-34	4.5	41
24	Arm-eye coordination test to objectively quantify motor performance and muscles activation in persons after stroke undergoing robot-aided rehabilitation training: a pilot study. <i>Experimental Brain Research</i> , 2013 , 229, 373-82	2.3	6
23	EEG patterns from acute to chronic stroke phases in focal cerebral ischemic rats: correlations with functional recovery. <i>Physiological Measurement</i> , 2013 , 34, 423-35	2.9	21
22	The effects of training intensities on motor recovery and gait symmetry in a rat model of ischemia. <i>Brain Injury</i> , 2013 , 27, 408-16	2.1	8
21	Mechanism of Kinect-based virtual reality training for motor functional recovery of upper limbs after subacute stroke. <i>Neural Regeneration Research</i> , 2013 , 8, 2904-13	4.5	32
20	Evaluation of transcranial Doppler flow velocity changes in intracerebral hemorrhage rats using ultrasonography. <i>Journal of Neuroscience Methods</i> , 2012 , 210, 272-80	3	3
19	Clinical outcomes of radiofrequency ablation and surgical resection for small hepatocellular carcinoma: a meta-analysis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2012 , 27, 51-8	4	70
18	Muscle activation changes during body weight support treadmill training after focal cortical ischemia: A rat hindlimb model. <i>Journal of Electromyography and Kinesiology</i> , 2011 , 21, 318-26	2.5	10
17	The effects of voluntary, involuntary, and forced exercises on motor recovery in a stroke rat model. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 8223-6	0.9	9
16	The effects of voluntary, involuntary, and forced exercises on brain-derived neurotrophic factor and motor function recovery: a rat brain ischemia model. <i>PLoS ONE</i> , 2011 , 6, e16643	3.7	190

15	Muscle activation improvement during treadmill training at ischemia rat. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 4926-9	0.9	
14	Evaluation of cerebral blood flow changes in focal cerebral ischemia rats by using transcranial Doppler ultrasonography. <i>Ultrasound in Medicine and Biology</i> , 2010 , 36, 595-603	3.5	11
13	Incorporating ultrasound-measured musculotendon parameters to subject-specific EMG-driven model to simulate voluntary elbow flexion for persons after stroke. <i>Clinical Biomechanics</i> , 2009 , 24, 101-9	3.2	28
12	FNS therapy for the functional restoration of the paralysed eyelid. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2009 , 62, e622-4	1.7	8
11	Assistive control system using continuous myoelectric signal in robot-aided arm training for patients after stroke. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2008 , 16, 371-9	4.8	130
10	Implanted FNS system in closed-circle may become a way for the restoration of eye blinking and closing function for facial paralysis patient. <i>Medical Hypotheses</i> , 2008 , 70, 1068-9	3.8	9
9	Effects of consecutive slips in nerve signals recorded by implanted cuff electrode. <i>Medical Engineering and Physics</i> , 2008 , 30, 460-5	2.4	4
8	The effect of poststroke impairments on brachialis muscle architecture as measured by ultrasound. <i>Archives of Physical Medicine and Rehabilitation</i> , 2007 , 88, 243-50	2.8	69
7	Variation of muscle coactivation patterns in chronic stroke during robot-assisted elbow training. <i>Archives of Physical Medicine and Rehabilitation</i> , 2007 , 88, 1022-9	2.8	63
6	Is maximum isometric muscle stress the same among prime elbow flexors?. <i>Clinical Biomechanics</i> , 2007 , 22, 874-83	2.2	15
5	The mechanomyography of persons after stroke during isometric voluntary contractions. <i>Journal of Electromyography and Kinesiology</i> , 2007 , 17, 473-83	2.5	28
4	The therapeutic effects of myoelectrically controlled robotic system for persons after stroke--a pilot study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 4945-8		3
3	Coactivations of elbow and shoulder muscles in hemiplegic persons with chronic stroke during robot-assisted training. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 4933-5		1
2	Musculotendon parameters estimation by ultrasound measurement and geometric modeling: application on brachialis muscle. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2005, 4974-7		2
1	Using in Vivo Subject-Specific Musculotendon Parameters to Investigate Voluntary Movement Changes after Stroke. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 161-180	0.3	