

# Linhong Ji

## List of Publications by Year in descending order

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54  
papers

992  
citations

567281

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h-index

477307

29  
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54  
docs citations

54  
times ranked

815  
citing authors

#	ARTICLE	IF	CITATIONS
1	Triboelectric microplasma powered by mechanical stimuli. <i>Nature Communications</i> , 2018, 9, 3733.	12.8	212
2	Triboelectric nanogenerators for human-health care. <i>Science Bulletin</i> , 2021, 66, 490-511.	9.0	93
3	Decoding lip language using triboelectric sensors with deep learning. <i>Nature Communications</i> , 2022, 13, 1401.	12.8	77
4	Electrical analysis of triboelectric nanogenerator for high voltage applications exemplified by DBD microplasma. <i>Nano Energy</i> , 2019, 56, 482-493.	16.0	64
5	Power Backpack for Energy Harvesting and Reduced Load Impact. <i>ACS Nano</i> , 2021, 15, 2611-2623.	14.6	49
6	Distributed mobile ultraviolet light sources driven by ambient mechanical stimuli. <i>Nano Energy</i> , 2020, 74, 104910.	16.0	43
7	Charge Pumping for Sliding-mode Triboelectric Nanogenerator with Voltage Stabilization and Boosted Current. <i>Advanced Energy Materials</i> , 2021, 11, 2101147.	19.5	38
8	Triboelectric nanogenerators for electro-assisted cell printing. <i>Nano Energy</i> , 2020, 67, 104150.	16.0	36
9	Energy from greenhouse plastic films. <i>Nano Energy</i> , 2021, 89, 106328.	16.0	21
10	Dynamic Modeling and Interactive Performance of PARM: A Parallel Upper-Limb Rehabilitation Robot Using Impedance Control for Patients after Stroke. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-11.	1.9	20
11	Design and Preliminary Validation of a Lower Limb Exoskeleton With Compact and Modular Actuation. <i>IEEE Access</i> , 2020, 8, 66338-66352.	4.2	20
12	CNN-Based Prognosis of BCI Rehabilitation Using EEG From First Session BCI Training. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 1936-1943.	4.9	20
13	Brain-Computer Interface Channel-Selection Strategy Based on Analysis of Event-Related Desynchronization Topography in Stroke Patients. <i>Journal of Healthcare Engineering</i> , 2019, 2019, 1-12.	1.9	19
14	Study of the activation in sensorimotor cortex and topological properties of functional brain network following focal vibration on healthy subjects and subacute stroke patients: An EEG study. <i>Brain Research</i> , 2019, 1722, 146338.	2.2	17
15	Prediction of working memory ability based on EEG by functional data analysis. <i>Journal of Neuroscience Methods</i> , 2020, 333, 108552.	2.5	17
16	Alternating Current Electroluminescent Device Powered by Triboelectric Nanogenerator with Capacitively Driven Circuit Strategy. <i>Advanced Functional Materials</i> , 2022, 32, 2106411.	14.9	16
17	Development and Implementation of an End-Effector Upper Limb Rehabilitation Robot for Hemiplegic Patients with Line and Circle Tracking Training. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-11.	1.9	15
18	Effects of Focal Vibration over Upper Limb Muscles on the Activation of Sensorimotor Cortex Network: An EEG Study. <i>Journal of Healthcare Engineering</i> , 2019, 2019, 1-7.	1.9	15

#	ARTICLE	IF	CITATIONS
19	Trunk muscle activity patterns and motion patterns of patients with motor complete spinal cord injury at T8 and T10 walking with different un-powered exoskeletons. <i>Journal of Spinal Cord Medicine</i> , 2017, 40, 463-470.	1.4	13
20	Implementation and Validation of Engagement Monitoring in an Engagement Enhancing Rehabilitation System. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 726-738.	4.9	13
21	Design and Analysis of a Clutched Parallel Elastic Actuator. <i>Actuators</i> , 2019, 8, 67.	2.3	12
22	Design and First Operation of an Active Lower Limb Exoskeleton with Parallel Elastic Actuation. <i>Actuators</i> , 2021, 10, 75.	2.3	10
23	Thousandfold boosting instantaneous current of triboelectric nanogenerator based on decoupled charge pump and discharge tube. <i>Nano Energy</i> , 2022, 98, 107264.	16.0	10
24	Prediction of residual clamping force for Coulomb type and Johnsenâ€“Rahbek type of bipolar electrostatic chucks. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 302-312.	2.1	9
25	Impact of smart force feedback rehabilitation robot training on upper limb motor function in the subacute stage of stroke. <i>NeuroRehabilitation</i> , 2020, 47, 209-215.	1.3	9
26	Trunk muscle activity patterns in a person with spinal cord injury walking with different un-powered exoskeletons: A case study. <i>Journal of Rehabilitation Medicine</i> , 2016, 48, 390-395.	1.1	8
27	Denosing Algorithm for Event-Related Desynchronization-Based Motor Intention Recognition in Robot-assisted Stroke Rehabilitation Training with Brain-Machine Interaction. <i>Journal of Neuroscience Methods</i> , 2020, 346, 108909.	2.5	8
28	Quantitative Assessment of Motor Function by an End-Effector Upper Limb Rehabilitation Robot Based on Admittance Control. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6854.	2.5	7
29	EEG characteristics in â€œeyes-openâ€“versus â€œeyes-closedâ€“condition during vibrotactile stimulation. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102759.	5.7	7
30	Conceptual design, modeling and control of a rigid parallel serial-elastic actuator. <i>Automatisierungstechnik</i> , 2020, 68, 410-422.	0.8	7
31	Graphene Quantum Dots with Improved Fluorescence Activity via Machine Learning: Implications for Fluorescence Monitoring. <i>ACS Applied Nano Materials</i> , 2022, 5, 2728-2737.	5.0	7
32	Analysis, Design, and Preliminary Evaluation of a Parallel Elastic Actuator for Power-Efficient Walking Assistance. <i>IEEE Access</i> , 2020, 8, 88060-88075.	4.2	6
33	Recognizing the individualized sensorimotor loop of stroke patients during BMI-supported rehabilitation training based on brain functional connectivity analysis. <i>Journal of Neuroscience Methods</i> , 2022, , 109658.	2.5	6
34	Effectiveness of an innovative hip energy storage walking orthosis for improving paraplegic walking: A pilot randomized controlled study. <i>Gait and Posture</i> , 2017, 57, 91-96.	1.4	5
35	Effects of Ankle Joint Motion on Pelvis-Hip Biomechanics and Muscle Activity Patterns of Healthy Individuals in Knee Immobilization Gait. <i>Journal of Healthcare Engineering</i> , 2019, 2019, 1-10.	1.9	5
36	An Adaptive Shrinking Grid Search Chaotic Wolf Optimization Algorithm Using Standard Deviation Updating Amount. <i>Computational Intelligence and Neuroscience</i> , 2020, 2020, 1-15.	1.7	5

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37	Preshooting Electroencephalographic Activity of Professional Shooters in a Competitive State. Computational Intelligence and Neuroscience, 2021, 2021, 1-9.	1.7	5
38	Dynamic Parameter Identification of a Human-Exoskeleton System With the Motor Torque Data. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 206-218.	3.2	5
39	Size-Controllable Eu-MOFs through Machine Learning Technology: Application for High Sensitive Ions and Small-Molecular Identification. Small Methods, 2022, , 2200208.	8.6	5
40	Determination of electrostatic force and its characteristics based on phase difference by amplitude modulation atomic force microscopy. Nanoscale Research Letters, 2016, 11, 548.	5.7	4
41	Influence of focal vibration over Achilles tendon on the activation of sensorimotor cortex in healthy subjects and subacute stroke patients. NeuroReport, 2019, 30, 1081-1086.	1.2	4
42	Quantitative Assessment of Motor Function for Patients with a Stroke by an End-Effector Upper Limb Rehabilitation Robot. BioMed Research International, 2020, 2020, 1-14.	1.9	4
43	Small-Dimension Feature Matrix Construction Method for Decoding Repetitive Finger Movements From Electroencephalogram Signals. IEEE Access, 2020, 8, 56060-56071.	4.2	4
44	Bayesian State Estimation in Sensorimotor Systems With Particle Filtering. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1528-1538.	4.9	4
45	5 Hz rTMS improves motor-imagery based BCI classification performance. , 2021, 2021, 6116-6120.		4
46	Tailoring brain-machine interface rehabilitation training based on neural reorganization: towards personalized treatment for stroke patients. Cerebral Cortex, 0, , .	2.9	3
47	Dynamic Analysis of the Abnormal Isometric Strength Movement Pattern between Shoulder and Elbow Joint in Patients with Hemiplegia. Journal of Healthcare Engineering, 2018, 2018, 1-7.	1.9	2
48	Proprioceptive Recognition with Artificial Neural Networks Based on Organizations of Spinocerebellar Tract and Cerebellum. International Journal of Neural Systems, 2019, 29, 1850056.	5.2	2
49	Quantitative electrostatic force measurement and characterization based on oscillation amplitude using atomic force microscopy. AIP Advances, 2020, 10, 015143.	1.3	2
50	A Multiposture Locomotor Training Device with Force-Field Control. Advances in Mechanical Engineering, 2014, 6, 173518.	1.6	2
51	Pilot study of vibration stimulation on neurological rehabilitation. Bio-Medical Materials and Engineering, 2014, 24, 2593-2601.	0.6	1
52	Electrical description of an inductively coupled plasma processing reactor with discharge parameters calculated from a global model. AIP Advances, 2020, 10, 035216.	1.3	1
53	Triboelectric Nanogenerators: Charge Pumping for Sliding-mode Triboelectric Nanogenerator with Voltage Stabilization and Boosted Current (Adv. Energy Mater. 28/2021). Advanced Energy Materials, 2021, 11, 2170113.	19.5	1
54	Development and Preliminary Validation of a Pneumatic Focal Vibration System to the Mitigation of Post-Stroke Spasticity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 380-388.	4.9	0