

Linhong Ji

List of Publications by Year in descending order

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papers

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815
citing authors

#	ARTICLE	IF	CITATIONS
1	Alternating Current Electroluminescent Device Powered by Triboelectric Nanogenerator with Capacitively Driven Circuit Strategy. <i>Advanced Functional Materials</i> , 2022, 32, 2106411.	14.9	16
2	Dynamic Parameter Identification of a Human-Exoskeleton System With the Motor Torque Data. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2022, 4, 206-218.	3.2	5
3	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
4	Decoding lip language using triboelectric sensors with deep learning. <i>Nature Communications</i> , 2022, 13, 1401.	12.8	77
5	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
6	Size-Controllable Eu-MOFs through Machine Learning Technology: Application for High Sensitive Ions and Small-Molecular Identification. <i>Small Methods</i> , 2022, , 2200208.	8.6	5
7	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
8	Triboelectric nanogenerators for human-health care. <i>Science Bulletin</i> , 2021, 66, 490-511.	9.0	93
9	Preshooting Electroencephalographic Activity of Professional Shooters in a Competitive State. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-9.	1.7	5
10	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
11	Power Backpack for Energy Harvesting and Reduced Load Impact. <i>ACS Nano</i> , 2021, 15, 2611-2623.	14.6	49
12	Design and First Operation of an Active Lower Limb Exoskeleton with Parallel Elastic Actuation. <i>Actuators</i> , 2021, 10, 75.	2.3	10
13	Charge Pumping for Sliding-mode Triboelectric Nanogenerator with Voltage Stabilization and Boosted Current. <i>Advanced Energy Materials</i> , 2021, 11, 2101147.	19.5	38
14	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
15	EEG characteristics in "eyes-open" versus "eyes-closed" condition during vibrotactile stimulation. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102759.	5.7	7
16	Energy from greenhouse plastic films. <i>Nano Energy</i> , 2021, 89, 106328.	16.0	21
17	Triboelectric Nanogenerators: Charge Pumping for Sliding-mode Triboelectric Nanogenerator with Voltage Stabilization and Boosted Current (Adv. Energy Mater. 28/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170113.	19.5	1
18	Development and Preliminary Validation of a Pneumatic Focal Vibration System to the Mitigation of Post-Stroke Spasticity. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 380-388.	4.9	0

#	ARTICLE	IF	CITATIONS
19	5 Hz rTMS improves motor-imagery based BCI classification performance. , 2021, 2021, 6116-6120.		4
20	Triboelectric nanogenerators for electro-assisted cell printing. Nano Energy, 2020, 67, 104150.	16.0	36
21	Prediction of working memory ability based on EEG by functional data analysis. Journal of Neuroscience Methods, 2020, 333, 108552.	2.5	17
22	Denosing Algorithm for Event-Related Desynchronization-Based Motor Intention Recognition in Robot-assisted Stroke Rehabilitation Training with Brain-Machine Interaction. Journal of Neuroscience Methods, 2020, 346, 108909.	2.5	8
23	Impact of smart force feedback rehabilitation robot training on upper limb motor function in the subacute stage of stroke. NeuroRehabilitation, 2020, 47, 209-215.	1.3	9
24	Design and Preliminary Validation of a Lower Limb Exoskeleton With Compact and Modular Actuation. IEEE Access, 2020, 8, 66338-66352.	4.2	20
25	Distributed mobile ultraviolet light sources driven by ambient mechanical stimuli. Nano Energy, 2020, 74, 104910.	16.0	43
26	Analysis, Design, and Preliminary Evaluation of a Parallel Elastic Actuator for Power-Efficient Walking Assistance. IEEE Access, 2020, 8, 88060-88075.	4.2	6
27	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
28	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
29	Small-Dimension Feature Matrix Construction Method for Decoding Repetitive Finger Movements From Electroencephalogram Signals. IEEE Access, 2020, 8, 56060-56071.	4.2	4
30	Bayesian State Estimation in Sensorimotor Systems With Particle Filtering. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1528-1538.	4.9	4
31	An Adaptive Shrinking Grid Search Chaotic Wolf Optimization Algorithm Using Standard Deviation Updating Amount. Computational Intelligence and Neuroscience, 2020, 2020, 1-15.	1.7	5
32	Quantitative electrostatic force measurement and characterization based on oscillation amplitude using atomic force microscopy. AIP Advances, 2020, 10, 015143.	1.3	2
33	Conceptual design, modeling and control of a rigid parallel serial-elastic actuator. Automatisierungstechnik, 2020, 68, 410-422.	0.8	7
34	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. Brain Research, 2019, 1722, 146338.	2.2	17
35	Effects of Ankle Joint Motion on Pelvis-Hip Biomechanics and Muscle Activity Patterns of Healthy Individuals in Knee Immobilization Gait. Journal of Healthcare Engineering, 2019, 2019, 1-10.	1.9	5
36	Brain-Computer Interface Channel-Selection Strategy Based on Analysis of Event-Related Desynchronization Topography in Stroke Patients. Journal of Healthcare Engineering, 2019, 2019, 1-12.	1.9	19

#	ARTICLE	IF	CITATIONS
37	Design and Analysis of a Clutched Parallel Elastic Actuator. <i>Actuators</i> , 2019, 8, 67.	2.3	12
38	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
39	Influence of focal vibration over Achilles tendon on the activation of sensorimotor cortex in healthy subjects and subacute stroke patients. <i>NeuroReport</i> , 2019, 30, 1081-1086.	1.2	4
40	Proprioceptive Recognition with Artificial Neural Networks Based on Organizations of Spinocerebellar Tract and Cerebellum. <i>International Journal of Neural Systems</i> , 2019, 29, 1850056.	5.2	2
41	Electrical analysis of triboelectric nanogenerator for high voltage applications exemplified by DBD microplasma. <i>Nano Energy</i> , 2019, 56, 482-493.	16.0	64
42	Prediction of residual clamping force for Coulomb type and Johnson-Cook 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
43	Triboelectric microplasma powered by mechanical stimuli. <i>Nature Communications</i> , 2018, 9, 3733.	12.8	212
44	Dynamic Analysis of the Abnormal Isometric Strength Movement Pattern between Shoulder and Elbow Joint in Patients with Hemiplegia. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-7.	1.9	2
45	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
46	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
47	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
48	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
49	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
50	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
51	Determination of electrostatic force and its characteristics based on phase difference by amplitude modulation atomic force microscopy. <i>Nanoscale Research Letters</i> , 2016, 11, 548.	5.7	4
52	Pilot study of vibration stimulation on neurological rehabilitation. <i>Bio-Medical Materials and Engineering</i> , 2014, 24, 2593-2601.	0.6	1
53	A Multiposture Locomotor Training Device with Force-Field Control. <i>Advances in Mechanical Engineering</i> , 2014, 6, 173518.	1.6	2
54	Tailoring brain-machine interface rehabilitation training based on neural reorganization: towards personalized treatment for stroke patients. <i>Cerebral Cortex</i> , 0, , .	2.9	3