

Jianfeng Li

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

520
citations

623734

14
h-index

713466

21
g-index

45
all docs

45
docs citations

45
times ranked

290
citing authors

#	ARTICLE	IF	CITATIONS
1	State of the art in parallel ankle rehabilitation robot: a systematic review. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 52.	4.6	47
2	Explicit dynamics equations of the constrained robotic systems. Nonlinear Dynamics, 2009, 58, 217-235.	5.2	32
3	A New Ankle Robotic System Enabling Whole-Stage Compliance Rehabilitation Training. IEEE/ASME Transactions on Mechatronics, 2021, 26, 1490-1500.	5.8	32
4	Design and Workspace Analysis of a Parallel Ankle Rehabilitation Robot (PARR). Journal of Healthcare Engineering, 2019, 2019, 1-10.	1.9	30
5	Mechanical Design and Performance Analysis of a Novel Parallel Robot for Ankle Rehabilitation. Journal of Mechanisms and Robotics, 2020, 12, .	2.2	30
6	Position solution of a novel four-DOFs self-aligning exoskeleton mechanism for upper limb rehabilitation. Mechanism and Machine Theory, 2019, 141, 14-39.	4.5	27
7	Design and Performance Evaluation of a Novel Wearable Parallel Mechanism for Ankle Rehabilitation. Frontiers in Neurorobotics, 2020, 14, 9.	2.8	27
8	Design and performance analysis of a parallel wrist rehabilitation robot (PWRR). Robotics and Autonomous Systems, 2020, 125, 103390.	5.1	26
9	Improvement of human-machine compatibility of upper-limb rehabilitation exoskeleton using passive joints. Robotics and Autonomous Systems, 2019, 112, 22-31.	5.1	22
10	A number synthesis method of the self-adapting upper-limb rehabilitation exoskeletons. International Journal of Advanced Robotic Systems, 2017, 14, 172988141771079.	2.1	20
11	Implementation of passive compliance training on a parallel ankle rehabilitation robot to enhance safety. Industrial Robot, 2020, 47, 747-755.	2.1	17
12	Research on control strategies for ankle rehabilitation using parallel mechanism. Cognitive Computation and Systems, 2020, 2, 105-111.	1.4	17
13	Position solution and kinematic interference analysis of a novel parallel hip-assistive mechanism. Mechanism and Machine Theory, 2018, 120, 265-287.	4.5	16
14	Structure design of lower limb exoskeletons for gait training. Chinese Journal of Mechanical Engineering (English Edition), 2015, 28, 878-887.	3.7	15
15	Influence of a Compatible Design on Physical Human-Robot Interaction Force: a Case Study of a Self-Adapting Lower-Limb Exoskeleton Mechanism. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 98, 525-538.	3.4	15
16	Research on Attitude Interpolation and Tracking Control Based on Improved Orientation Vector SLERP Method. Robotica, 2020, 38, 719-731.	1.9	13
17	A theoretical analysis and finite element simulation of fixator-bone system stiffness on healing progression. Journal of Applied Biomaterials and Functional Materials, 2018, 16, 115-125.	1.6	12
18	Calibration of Low Cost IMU's Inertial Sensors for Improved Attitude Estimation. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 100, 1015-1029.	3.4	11

#	ARTICLE	IF	CITATIONS
19	An efficient method for inverse dynamics of kinematically defective parallel platforms. <i>Journal of Field Robotics</i> , 2002, 19, 45-61.	0.7	10
20	Configuration design and correction ability evaluation of a novel external fixator for foot and ankle deformity treated by U osteotomy. <i>Medical and Biological Engineering and Computing</i> , 2020, 58, 541-558.	2.8	9
21	Kinematic Calibration of a Parallel 2-UPS/RRR Ankle Rehabilitation Robot. <i>Journal of Healthcare Engineering</i> , 2020, 2020, 1-12.	1.9	9
22	A Modified Kinematic Model of Shoulder Complex Based on Vicon Motion Capturing System: Generalized GH Joint with Floating Centre. <i>Sensors</i> , 2020, 20, 3713.	3.8	9
23	Comparison of three different correction trajectories for foot and ankle deformity treated by supramalleolar osteotomy using a novel external fixator. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3400.	2.1	9
24	A Kinematic Model of the Shoulder Complex Obtained from a Wearable Detection System. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3696.	2.5	7
25	Configuration synthesis and structural design of lower-mobility parallel external fixators based on corrective degree-of-freedom classification. <i>Mechanism and Machine Theory</i> , 2022, 168, 104593.	4.5	7
26	Design and Kinematic Analysis of Co-Exoskeleton with Passive Translational Joints for Upper-Limb Rehabilitation. <i>International Journal of Humanoid Robotics</i> , 2018, 15, 1850020.	1.1	6
27	Influence of parameter deviation on the closeness of the tibial limb and external fixator based on a novel collision detection algorithm. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2021, 37, e3502.	2.1	5
28	Inverse kinematic and dynamic analysis of a 3-DOF parallel mechanism. , 0, , .		4
29	Numerical investigation of the relationship between pin deviations and joint coordinates of a unilateral external fixator. <i>Clinical Biomechanics</i> , 2018, 53, 107-116.	1.2	4
30	Kinematics and performance analysis of a serial hip assistive mechanism. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401877176.	1.6	4
31	Configuration Synthesis and Structure Design of a Reconfigurable Robot for Muscle Strength Training. , 2021, , .		4
32	Estimation of muscle activation during ankle rehabilitation. , 2021, , .		4
33	Optimum design and preliminary experiments of a novel parallel end traction apparatus for upper-limb rehabilitation. <i>Frontiers of Mechanical Engineering</i> , 2021, 16, 726-746.	4.3	4
34	Compliant physical interaction to enhance rehabilitation training of a parallel ankle robotic system. , 2020, , .		4
35	Development and Preliminary Trajectory Verification of the Electromotor-Driven Parallel External Fixator for Deformity Correction. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9074.	2.5	3
36	Velocity and Force Transfer Performance Analysis of a Parallel Hip Assistive Mechanism. <i>Robotica</i> , 2020, 38, 747-759.	1.9	3

#	ARTICLE	IF	CITATIONS
37	Comparative analysis of three categories of four-DOFs exoskeleton mechanism based on relative movement offsets. <i>Industrial Robot</i> , 2022, 49, 672-687.	2.1	3
38	Investigation of Correction Trajectory Considering Bone End-Plane Orientation and the Shortest Growth Path. <i>Journal of Biomechanical Engineering</i> , 2020, 142, .	1.3	2
39	Analysis and Design of A Novel Micro-Dissection Manipulator Based on Ultrasonic Vibration. , 0, , .		1
40	Experimental Study on Human Knee Joint Instantaneous Center. , 2016, , .		0
41	The Influence of Pin Deviation on the Fracture Correction and the Fixator Adjustment with Sensitivity and Kinematic Analysis. <i>BioMed Research International</i> , 2018, 2018, 1-16.	1.9	0
42	Research on the Kinematic Compatibility of Position Solution of a Four-DOFs Mechanical Structure Mechanism. <i>Journal of Physics: Conference Series</i> , 2021, 1952, 032062.	0.4	0
43	Detection System Design of the Glenohumeral Joint Motion Information. , 2019, , .		0
44	Establishment and validation of the interference detection algorithm applied in limb deformity correction. , 2021, , .		0
45	Ergonomics Design and Assistance Strategy of A-Suit. <i>Micromachines</i> , 2022, 13, 1114.	2.9	0