

# Leiyu Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1620410/publications.pdf>

Version: 2024-02-01

9  
papers

115  
citations

1478505

6  
h-index

1474206

9  
g-index

9  
all docs

9  
docs citations

9  
times ranked

104  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Workspace Analysis of a Parallel Ankle Rehabilitation Robot (PARR). Journal of Healthcare Engineering, 2019, 2019, 1-10.	1.9	30
2	Improvement of human-machine compatibility of upper-limb rehabilitation exoskeleton using passive joints. Robotics and Autonomous Systems, 2019, 112, 22-31.	5.1	22
3	Position solution and kinematic interference analysis of a novel parallel hip-assistive mechanism. Mechanism and Machine Theory, 2018, 120, 265-287.	4.5	16
4	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
5	Research on Attitude Interpolation and Tracking Control Based on Improved Orientation Vector SLERP Method. Robotica, 2020, 38, 719-731.	1.9	13
6	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
7	Velocity and Force Transfer Performance Analysis of a Parallel Hip Assistive Mechanism. Robotica, 2020, 38, 747-759.	1.9	3
8	Three-dimensional biomechanical modeling and simulation of trephine cutting cornea for keratoplasty. Acta of Bioengineering and Biomechanics, 2018, 20, 23-33.	0.4	3
9	Biomechanical Changes on the Typical Sites of Pressure Ulcers in the Process of Turning Over from Supine Position: Theoretical Analysis, Simulation, and Experiment. Annals of Biomedical Engineering, 2022, 50, 654-665.	2.5	2