

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	Biomechanical Changes on the Typical Sites of Pressure Ulcers in the Process of Turning Over from Supine Position: Theoretical Analysis, Simulation, and Experiment. <i>Annals of Biomedical Engineering</i> , 2022, 50, 654-665.	2.5	2
2	Research on Attitude Interpolation and Tracking Control Based on Improved Orientation Vector SLERP Method. <i>Robotica</i> , 2020, 38, 719-731.	1.9	13
3	Influence of a Compatible Design on Physical Human-Robot Interaction Force: a Case Study of a Self-Adapting Lower-Limb Exoskeleton Mechanism. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020, 98, 525-538.	3.4	15
4	Calibration of Low Cost IMU's Inertial Sensors for Improved Attitude Estimation. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020, 100, 1015-1029.	3.4	11
5	Velocity and Force Transfer Performance Analysis of a Parallel Hip Assistive Mechanism. <i>Robotica</i> , 2020, 38, 747-759.	1.9	3
6	Design and Workspace Analysis of a Parallel Ankle Rehabilitation Robot (PARR). <i>Journal of Healthcare Engineering</i> , 2019, 2019, 1-10.	1.9	30
7	Improvement of human-machine compatibility of upper-limb rehabilitation exoskeleton using passive joints. <i>Robotics and Autonomous Systems</i> , 2019, 112, 22-31.	5.1	22
8	Position solution and kinematic interference analysis of a novel parallel hip-assistive mechanism. <i>Mechanism and Machine Theory</i> , 2018, 120, 265-287.	4.5	16
9	Three-dimensional biomechanical modeling and simulation of trephine cutting cornea for keratoplasty. <i>Acta of Bioengineering and Biomechanics</i> , 2018, 20, 23-33.	0.4	3