Kuangen Zhang

List of Publications by Year
in descending order

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		758635	887659
26	546	12	17
papers	citations	h-index	g-index

26	26	26	327
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Feedback Deep Deterministic Policy Gradient With Fuzzy Reward for Robotic Multiple Peg-in-Hole Assembly Tasks. IEEE Transactions on Industrial Informatics, 2019, 15, 1658-1667.	7.2	97
2	Environmental Features Recognition for Lower Limb Prostheses Toward Predictive Walking. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 465-476.	2.7	88
3	A Subvision System for Enhancing the Environmental Adaptability of the Powered Transfemoral Prosthesis. IEEE Transactions on Cybernetics, 2021, 51, 3285-3297.	6.2	54
4	Jamming Analysis and Force Control for Flexible Dual Peg-in-Hole Assembly. IEEE Transactions on Industrial Electronics, 2019, 66, 1930-1939.	5.2	47
5	Force control for a rigid dual peg-in-hole assembly. Assembly Automation, 2017, 37, 200-207.	1.0	45
6	Sequential Decision Fusion for Environmental Classification in Assistive Walking. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1780-1790.	2.7	29
7	Unsupervised Cross-Subject Adaptation for Predicting Human Locomotion Intent. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 646-657.	2.7	25
8	Fuzzy Logic-Driven Variable Time-Scale Prediction-Based Reinforcement Learning for Robotic Multiple Peg-in-Hole Assembly. IEEE Transactions on Automation Science and Engineering, 2022, 19, 218-229.	3.4	22
9	The learning-based optimization algorithm for robotic dual peg-in-hole assembly. Assembly Automation, 2018, 38, 369-375.	1.0	17
10	Wheel-Legged Robotic Limb to Assist Human With Load Carriage: An Application For Environmental Disinfection During COVID-19. IEEE Robotics and Automation Letters, 2021, 6, 3695-3702.	3.3	16
11	Foot Placement Prediction for Assistive Walking by Fusing Sequential 3D Gaze and Environmental Context. IEEE Robotics and Automation Letters, 2021, 6, 2509-2516.	3.3	16
12	Linked Dynamic Graph CNN: Learning through Point Cloud by Linking Hierarchical Features. , 2021, , .		16
13	A Probability Distribution Model-Based Approach for Foot Placement Prediction in the Early Swing Phase With a Wearable IMU Sensor. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2595-2604.	2.7	15
14	Knowledge-Driven Deep Deterministic Policy Gradient for Robotic Multiple Peg-in-Hole Assembly Tasks. , 2018, , .		13
15	Allowing the Load to Swing Reduces the Mechanical Energy of the Stance Leg and Improves the Lateral Stability of Human Walking. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 429-441.	2.7	13
16	Unsupervised Sim-to-Real Adaptation for Environmental Recognition in Assistive Walking. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1350-1360.	2.7	9
17	Gaussian-guided feature alignment for unsupervised cross-subject adaptation. Pattern Recognition, 2022, 122, 108332.	5.1	5
18	Foot Gesture Recognition with Flexible High-Density Device Based on Convolutional Neural Network. , 2021, , .		4

#	Article	IF	Citations
19	A Model for Estimating the Leg Mechanical Work Required to Walk With an Elastically Suspended Backpack. IEEE Transactions on Human-Machine Systems, 2022, 52, 1303-1312.	2.5	4
20	A Lightweight, Integrated and Portable Force-Controlled Ankle Exoskeleton for Daily Walking Assistance. , 2021, , .		3
21	Height Control and Optimal Torque Planning for Jumping With Wheeled-Bipedal Robots. , 2021, , .		2
22	Gait Phase Subdivision and Leg Stiffness Estimation During Stair Climbing. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 860-868.	2.7	2
23	Comparison of machine learning regression algorithms for foot placement prediction. , 2021, , .		2
24	A Multi-task Learning Method for Human Motion Classification and Person Identification. , 2021, , .		1
25	Multi-Gait Recognition for a Soft Ankle Exoskeleton with Limited Sensors. , 2021, , .		1
26	Design and Implement an Elastically Suspended Back Frame for Reducing the Burden of Carrier. , 2021, , .		0