

Kuangen Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Gaussian-guided feature alignment for unsupervised cross-subject adaptation. Pattern Recognition, 2022, 122, 108332.	5.1	5
3	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
4	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
5	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
6	A Subvision System for Enhancing the Environmental Adaptability of the Powered Transfemoral Prosthesis. IEEE Transactions on Cybernetics, 2021, 51, 3285-3297.	6.2	54
7	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
8	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
9	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
10	Height Control and Optimal Torque Planning for Jumping With Wheeled-Bipedal Robots. , 2021, , .		2
11	A Multi-task Learning Method for Human Motion Classification and Person Identification. , 2021, , .		1
12	Multi-Gait Recognition for a Soft Ankle Exoskeleton with Limited Sensors. , 2021, , .		1
13	Design and Implement an Elastically Suspended Back Frame for Reducing the Burden of Carrier. , 2021, , .		0
14	Foot Gesture Recognition with Flexible High-Density Device Based on Convolutional Neural Network. , 2021, , .		4
15	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
16	Comparison of machine learning regression algorithms for foot placement prediction. , 2021, , .		2
17	Linked Dynamic Graph CNN: Learning through Point Cloud by Linking Hierarchical Features. , 2021, , .		16
18	A Lightweight, Integrated and Portable Force-Controlled Ankle Exoskeleton for Daily Walking Assistance. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
19	Unsupervised Cross-Subject Adaptation for Predicting Human Locomotion Intent. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 646-657.	2.7	25
20	Sequential Decision Fusion for Environmental Classification in Assistive Walking. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1780-1790.	2.7	29
21	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
22	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
23	Jamming Analysis and Force Control for Flexible Dual Peg-in-Hole Assembly. IEEE Transactions on Industrial Electronics, 2019, 66, 1930-1939.	5.2	47
24	Knowledge-Driven Deep Deterministic Policy Gradient for Robotic Multiple Peg-in-Hole Assembly Tasks. , 2018, , .		13
25	The learning-based optimization algorithm for robotic dual peg-in-hole assembly. Assembly Automation, 2018, 38, 369-375.	1.0	17
26	Force control for a rigid dual peg-in-hole assembly. Assembly Automation, 2017, 37, 200-207.	1.0	45