

# Chao Jiang

## List of Publications by Year in descending order

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18  
papers

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261  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reinforcement based mobile robot path planning with improved dynamic window approach in unknown environment. <i>Autonomous Robots</i> , 2021, 45, 51-76.	3.2	101
2	Robot-Assisted Pedestrian Regulation Based on Deep Reinforcement Learning. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 1669-1682.	6.2	46
3	Human Mobility Modeling for Robot-Assisted Evacuation in Complex Indoor Environments. <i>IEEE Transactions on Human-Machine Systems</i> , 2016, 46, 694-707.	2.5	42
4	Learning Human-Robot Interaction for Robot-Assisted Pedestrian Flow Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 797-813.	5.9	30
5	Robot-assisted pedestrian regulation in an exit corridor. , 2016, , .		13
6	Robot-assisted smartphone localization for human indoor tracking. <i>Robotics and Autonomous Systems</i> , 2018, 106, 82-94.	3.0	12
7	Multi-robot formation control: a comparison between model-based and learning-based methods. <i>Journal of Control and Decision</i> , 2020, 7, 90-108.	0.7	12
8	Pedestrian-Robot Interaction Experiments in an Exit Corridor. , 2018, , .		11
9	Robot-assisted human indoor localization using the Kinect sensor and smartphones. , 2014, , .		9
10	Probabilistic human mobility model in indoor environment. , 2016, , .		7
11	Pedestrian Flow Optimization to Reduce the Risk of Crowd Disasters Through Human-Robot Interaction. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020, 4, 298-311.	3.4	7
12	Robot-assisted pedestrian flow control of a controlled pedestrian corridor. <i>International Journal of Advanced Robotic Systems</i> , 2018, 15, 172988141881469.	1.3	6
13	Learning Decentralized Control Policies for Multi-Robot Formation. , 2019, , .		5
14	Design and calibration of a novel piezoelectric six-axis force/torque sensor. <i>Proceedings of SPIE</i> , 2011, , .	0.8	4
15	A Modified PSO Algorithm for Parameters Identification of the Double-Dispersion Cole Model. <i>Journal of Circuits, Systems and Computers</i> , 2018, 27, 1850210.	1.0	4
16	Distance-based Formation Control of a Three-Robot System. , 2019, , .		3
17	Multi-Robot Guided Policy Search for Learning Decentralized Swarm Control. , 2021, 5, 743-748.		2
18	Optimization of Merging Pedestrian Flows Based on Adaptive Dynamic Programming. , 2019, , .		1