

Weijia Yao

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-Robot Flocking Control Based on Deep Reinforcement Learning. IEEE Access, 2020, 8, 150397-150406.	2.6	43
2	Singularity-Free Guiding Vector Field for Robot Navigation. IEEE Transactions on Robotics, 2021, 37, 1206-1221.	7.3	32
3	A simulation system based on ROS and Gazebo for RoboCup Middle Size League. , 2015, , .		24
4	Distributed Static and Dynamic Circumnavigation Control with Arbitrary Spacings for a Heterogeneous Multi-robot System. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 94, 883-905.	2.0	24
5	Path following control in 3D using a vector field. Automatica, 2020, 117, 108957.	3.0	22
6	Robotic Path Following in 3D Using a Guiding Vector Field. , 2018, , .		11
7	Integrated Path Following and Collision Avoidance Using a Composite Vector Field. , 2019, , .		11
8	Distributed encirclement control with arbitrary spacing for multiple anonymous mobile robots. , 2017, , .		10
9	Distributed coordinated path following using guiding vector fields. , 2021, , .		10
10	Distributed Multi-robot Circumnavigation with Dynamic Spacing and Time Delay. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 165-182.	2.0	8
11	Vector Field Guided Path Following Control: Singularity Elimination and Global Convergence. , 2020, , .		8
12	Building Software System and Simulation Environment for RoboCup MSL Soccer Robots Based on ROS and Gazebo. Studies in Computational Intelligence, 2017, , 597-631.	0.7	7
13	Cooperative Encirclement Control for a Group of Targets by Decentralized Robots with Collision Avoidance. , 2018, , .		5
14	Topological Analysis of Vector-Field Guided Path Following on Manifolds. IEEE Transactions on Automatic Control, 2023, 68, 1353-1368.	3.6	5
15	Guiding Vector Fields for Following Occluded Paths. IEEE Transactions on Automatic Control, 2022, 67, 4091-4106.	3.6	4
16	Object detection based on GPU parallel computing for RoboCup Middle Size League. , 2017, , .		3
17	Distributed Circumnavigation Control with Dynamic Spacing for a Heterogeneous Multi-robot System. Lecture Notes in Computer Science, 2019, , 374-386.	1.0	3
18	Simatch: A Simulation System for Highly Dynamic Confrontations Between Multi-Robot Systems. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Refining dichotomy convergence in vector-field guided path-following control., 2021, , .		2
20	On Wilson's theorem about domains of attraction and tubular neighborhoods. Systems and Control Letters, 2022, 167, 105322.	1.3	2