

Liang Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

141
citations

1478505

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all docs

20
docs citations

20
times ranked

99
citing authors

#	ARTICLE	IF	CITATIONS
1	RS-SLAM: A Robust Semantic SLAM in Dynamic Environments Based on RGB-D Sensor. IEEE Sensors Journal, 2021, 21, 20657-20664.	4.7	38
2	Object Tracking With Particle Filtering in Fluorescence Microscopy Images: Application to the Motion of Neurofilaments in Axons. IEEE Transactions on Medical Imaging, 2012, 31, 117-130.	8.9	33
3	Not Only Look But Infer: Multiple Hypothesis Clustering of Data Association Inference for Semantic SLAM. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	14
4	Multigoal Visual Navigation With Collision Avoidance via Deep Reinforcement Learning. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	10
5	Trajectory following control of lower limb exoskeleton robot based on Udwadia's Kalaba theory. JVC/Journal of Vibration and Control, 2022, 28, 3383-3396.	2.6	8
6	Bayesian Nonparametric Object Association for Semantic SLAM. IEEE Robotics and Automation Letters, 2021, 6, 5493-5500.	5.1	8
7	Overview of the Development and Application of the Twin Screw Expander. Energies, 2020, 13, 6586.	3.1	6
8	Constrained control methods for lower extremity rehabilitation exoskeleton robot considering unknown perturbations. Nonlinear Dynamics, 2022, 108, 1395-1408.	5.2	6
9	A Microdevice for the Mixing of a Highly Viscous Biosample with Water/Membrane Protein Solution using Microchannel and Centrifugation. Journal of the Association for Laboratory Automation, 2011, 16, 68-81.	2.8	5
10	Nonlinear Vibroimpact Characteristics of a Planetary Gear Transmission System. Shock and Vibration, 2016, 2016, 1-11.	0.6	5
11	Application of Improved A* algorithm in Mobile Robot Path Planning. , 2019, , .		2
12	Global finite-time control for image-based visual servoing of quadrotor using backstepping method. JVC/Journal of Vibration and Control, 0, , 107754632211085.	2.6	2
13	Target Tracking Based on Improved Particle Filter Algorithm and Camshift Method. , 2018, , .		1
14	Optimal robust control with cooperative game theory for lower limb exoskeleton robot. Nonlinear Dynamics, 2022, 108, 1283-1303.	5.2	1
15	Robust Indoor Visual-Inertial SLAM with Pedestrian Detection. , 2021, , .		1
16	Object-Oriented Semantic SLAM Based on Geometric Constraints of Points and Lines. IEEE Transactions on Cognitive and Developmental Systems, 2023, 15, 751-760.	3.8	1
17	Neurofilament tracking by detection in fluorescence microscopy images. , 2013, , .		0
18	Video Object Tracking in Neural Axons with Fluorescence Microscopy Images. Journal of Applied Mathematics, 2014, 2014, 1-6.	0.9	0

#	ARTICLE	IF	CITATIONS
19	Improved Fuzzy Logic Rules and Effective Searching Box Method for Mobile Robot Obstacle Avoidance. , 2018, , .		0