

Wei Dong

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

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citations

1040056

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all docs

32
docs citations

32
times ranked

116
citing authors

#	ARTICLE	IF	CITATIONS
1	Trajectory Estimation of a Flying Robot With a Single Ranging Beacon and Derived Velocity Constraints. IEEE Transactions on Industrial Electronics, 2023, 70, 5024-5033.	7.9	2
2	Centimeter-Level Aerial Assembly Achieved With Manipulating Condition Inference and Compliance. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1660-1671.	5.8	3
3	Robust Visual Positioning of the UAV for the Under Bridge Inspection With a Ground Guided Vehicle. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	5
4	Experimental studies on the frosting and defrosting performance of compact heat exchanger under moderate humidity condition. Energy Reports, 2022, 8, 1321-1338.	5.1	1
5	Computationally Efficient Topological Mapping With Layered Spanning Trees. IEEE/ASME Transactions on Mechatronics, 2022, 27, 4067-4077.	5.8	0
6	Agile Formation Control of Drone Flocking Enhanced With Active Vision-Based Relative Localization. IEEE Robotics and Automation Letters, 2022, 7, 6359-6366.	5.1	10
7	Computationally Efficient Trajectory Planning for High Speed Obstacle Avoidance of a Quadrotor With Active Sensing. IEEE Robotics and Automation Letters, 2021, 6, 3365-3372.	5.1	11
8	An Active Sense and Avoid System for Flying Robots in Dynamic Environments. IEEE/ASME Transactions on Mechatronics, 2021, 26, 668-678.	5.8	18
9	Efficient Learning-based Trajectory Tracker for Quadrotor at High-speed Flight. , 2021, , .		0
10	A cooperative positioning approach of Unmanned Aerial Vehicles with Accuracy and Robustness. , 2021, , .		0
11	Compositional and Scalable Object SLAM. , 2021, , .		8
12	Aerial Contact Manipulation With Soft End-Effector Compliance and Inverse Kinematic Compensation. Journal of Mechanisms and Robotics, 2021, 13, .	2.2	7
13	Dragon Rider - An Integrated Unmanned Quadruped-Hexarotor System for Flight-Impeded Area Exploration. , 2021, , .		0
14	TRP-Controller: An Efficient Anti-Saturation Controller for Quadrotors Performing Yaw-low-priority Motions. , 2021, , .		1
15	Relative State Estimation with Observer-based Intermittent Kalman Filter and Radial Basis Function Neural Network. , 2021, , .		0
16	A Computationally Efficient Moving Horizon Estimation for Flying Robots's Localization Regarding a Single Anchor. , 2021, , .		0
17	Adaptive Aerial Grasping and Perching With Dual Elasticity Combined Suction Cup. IEEE Robotics and Automation Letters, 2020, 5, 4766-4773.	5.1	24
18	Visual Servoing of Micro Aerial Vehicles with the Cooperation of Ground Vehicle. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
19	An Artificially Weighted Spanning Tree Coverage Algorithm for Decentralized Flying Robots. IEEE Transactions on Automation Science and Engineering, 2020, 17, 1689-1698.	5.2	17
20	Dual-durometer combination of vacuum cup for aerial grasping. , 2020, , .		0
21	Surfel-Based Dense RGB-D Reconstruction With Global And Local Consistency. , 2019, , .		2
22	An Efficient Approach for Stability Analysis and Parameter Tuning in Delayed Feedback Control of a Flying Robot Carrying a Suspended Load. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	1.6	8
23	An optimal curvature smoothing method and the associated real-time interpolation for the trajectory generation of flying robots. Robotics and Autonomous Systems, 2019, 115, 73-82.	5.1	11
24	GPU Accelerated Robust Scene Reconstruction. , 2019, , .		8
25	A Cooperative Aerial Inspection System with Continuable Charging Strategy. , 2019, , .		3
26	Generating Spatial Semantic Representations for Indoor Global Mapping. , 2019, , .		0
27	Differential Quadrature Method for Stability and Sensitivity Analysis of Neutral Delay Differential Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	1.6	1
28	An Efficient Approach of Time-Optimal Trajectory Generation for the Fully Autonomous Navigation of the Quadrotor. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	1.6	10
29	A Trajectory Planning and Control System for Quadrotor Unmanned Aerial Vehicle in Field Inspection Missions. Lecture Notes in Computer Science, 2017, , 551-562.	1.3	1
30	Design and Development of a Multi-rotor Unmanned Aerial Vehicle System for Bridge Inspection. Lecture Notes in Computer Science, 2016, , 498-510.	1.3	11
31	Ball juggling with an under-actuated flying robot. , 2015, , .		12
32	Solving the Boundary Value Problem of an Under-Actuated Quadrotor with Subspace Stabilization Approach. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 80, 299-311.	3.4	10