

Rui Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

477
citations

840119

11
h-index

887659

17
g-index

25
all docs

25
docs citations

25
times ranked

369
citing authors

#	ARTICLE	IF	CITATIONS
1	Unified approach to cooperative guidance laws against stationary and maneuvering targets. <i>Nonlinear Dynamics</i> , 2015, 81, 1635-1647.	2.7	93
2	A novel piezo-driven microgripper with a large jaw displacement. <i>Microsystem Technologies</i> , 2015, 21, 931-942.	1.2	57
3	Distributed time-constrained guidance using nonlinear model predictive control. <i>Nonlinear Dynamics</i> , 2016, 84, 1399-1416.	2.7	47
4	Pigeon-inspired optimization applied to constrained gliding trajectories. <i>Nonlinear Dynamics</i> , 2015, 82, 1781-1795.	2.7	36
5	Progress in reentry trajectory planning for hypersonic vehicle. <i>Journal of Systems Engineering and Electronics</i> , 2014, 25, 627-639.	1.1	35
6	UAV formation control with obstacle avoidance using improved artificial potential fields. , 2017, , .		33
7	A hybrid approach of virtual force and A<sup>g&t;∗</sup></sup> search algorithm for UAV path re-planning. , 2011, , .		24
8	A Novel Cooperative Path Planning for Multi-robot Persistent Coverage with Obstacles and Coverage Period Constraints. <i>Sensors</i> , 2019, 19, 1994.	2.1	21
9	A New Noncontact Flatness Measuring System of Large 2-D Flat Workpiece. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2008, 57, 2891-2904.	2.4	19
10	Connectivity Maintenance Based on Multiple Relay UAVs Selection Scheme in Cooperative Surveillance. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 8.	1.3	19
11	A Novel Cooperative Path Planning for Multirobot Persistent Coverage in Complex Environments. <i>IEEE Sensors Journal</i> , 2020, 20, 4485-4495.	2.4	19
12	A decoupled 2-DOF flexure-based micropositioning stage with large travel ranges. <i>Robotica</i> , 2014, 32, 677-694.	1.3	12
13	A force-decoupled compound parallel alignment stage for nanoimprint lithography. <i>Review of Scientific Instruments</i> , 2013, 84, 125002.	0.6	11
14	Reentry Trajectory Optimization Based on a Multistage Pseudospectral Method. <i>Scientific World Journal, The</i> , 2014, 2014, 1-13.	0.8	9
15	UCAV path planning based on Ant Colony Optimization and satisficing decision algorithm. , 2008, , .		8
16	Multi-UAV cooperative target tracking with bounded noise for connectivity preservation. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 1494-1503.	1.5	8
17	Multi-€sensor fusion for robust target tracking in the simultaneous presence of set-€membership and stochastic Gaussian uncertainties. <i>IET Radar, Sonar and Navigation</i> , 2017, 11, 621-628.	0.9	7
18	A physicochemically inspired approach to flocking control of multiagent system. <i>Nonlinear Dynamics</i> , 2020, 102, 2627-2648.	2.7	6

#	ARTICLE	IF	CITATIONS
19	Sensor Fusion of Gaussian Mixtures for Ballistic Target Tracking in the Re-Entry Phase. Sensors, 2016, 16, 1289.	2.1	5
20	Aero-Engine Faults Diagnosis Based on K-Means Improved Wasserstein GAN and Relevant Vector Machine. , 2019, , .		4
21	Design and analysis of a new flexure-based XY micropositioning stage with decoupled motion characteristic. , 2012, , .		2
22	DOB based robust adaptive backstepping control of compound-axis Opto-electronic tracking system. , 2012, , .		1
23	A Consistent Track-to-Track Fusion Method Based on Copula Theory. Mathematical Problems in Engineering, 2016, 2016, 1-9.	0.6	1
24	Design of a force-decoupled compound parallel alignment stage for high-resolution imprint lithography. , 2014, , .		0
25	Fitting Initial Firing Data of Launch Vehicle Based on Radial Basis Function Neural Network. , 2018, , .		0