

Xiaolei Hou

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

165
citations

1478505

6
h-index

1474206

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g-index

30
all docs

30
docs citations

30
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Study of Haptic Interfaces for Bilateral Teleoperation of VTOL Aerial Robots. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1352-1363.	9.3	27
2	Dynamic Kinesthetic Boundary for Haptic Teleoperation of VTOL Aerial Robots in Complex Environments. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 694-705.	9.3	26
3	Representation of vehicle dynamics in haptic teleoperation of aerial robots. , 2013, , .		12
4	Intercontinental haptic teleoperation of a flying vehicle: A step towards real-time applications. , 2013, , .		11
5	Supervisory Control of Multirotor Vehicles in Challenging Conditions Using Inertial Measurements. IEEE Transactions on Robotics, 2018, 34, 1490-1501.	10.3	10
6	Relative State and Inertia Estimation of Unknown Tumbling Spacecraft by Stereo Vision. IEEE Access, 2018, 6, 54126-54138.	4.2	10
7	Dynamic kinesthetic boundary for haptic teleoperation of aerial robotic vehicles. , 2013, , .		8
8	Haptic teleoperation of a multirotor aerial robot using path planning with human intention estimation. Intelligent Service Robotics, 2021, 14, 33-46.	2.6	8
9	Decoupled Robust Velocity Control for Uncertain Quadrotors. Asian Journal of Control, 2015, 17, 225-233.	3.0	6
10	The UAV cooperative formation control design with collision avoidance based on improved artificial potential field. , 2018, , .		6
11	Robust attitude control for tail-€sitter unmanned aerial vehicles in flight mode transitions. International Journal of Robust and Nonlinear Control, 2019, 29, 1132-1149.	3.7	6
12	Haptics-aided path planning and virtual fixture based dynamic kinesthetic boundary for bilateral teleoperation of VTOL aerial robots. , 2016, , .		5
13	An intuitive multimodal haptic interface for teleoperation of aerial robots. , 2014, , .		4
14	Edge-event-based multi-agent consensus with Zeno-free triggers under synchronized/unsynchronized clocks. , 2017, , .		3
15	On the Application of Reinforcement Learning in Multi-debris Active Removal Mission Planning. , 2019, , .		3
16	On the implementation of a robotic SWARM testbed. , 2009, , .		2
17	Energy Based Set Point Modulation for Obstacle Avoidance In Haptic Teleoperation of Aerial Robots. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11030-11035.	0.4	2
18	Dynamic kinesthetic boundary for haptic teleoperation of unicycle type ground mobile robots. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	Environmental Force Reflection In An Admittance Configured Haptic Interface For Teleoperation Of VTOL Aerial Robots. IFAC-PapersOnLine, 2017, 50, 10262-10267.	0.9	2
20	Study on the controllability of a drogue for hose-drogue aerial refueling system. , 2017, , .		2
21	Design and flight stability analysis of the UAV close cooperative formation control laws. , 2018, , .		2
22	A novel parameterization method to estimate the relative state and inertia parameters for non-cooperative targets. , 2019, , .		2
23	On Development of An Autonomous Ball Collecting Wheeled Mobile Robot. , 2019, , .		2
24	Lidar-camera Based 3D Obstacle Detection for UGVs. , 2019, , .		2
25	A virtual framework of robotic SWARM testbed. , 2009, , .		1
26	On the Four-Dimensional Trajectory Control of UAV. , 2018, , .		1
27	Cooperative shadowing algorithm: A speed-only approach. , 2010, , .		0
28	A Novel Wind-field Reconstruction Approach for Quadrotors Using Inertial Measurement Units. , 2018, , .		0
29	Passive impact/vibration control and isolation performance optimization for space noncooperative target capture. International Journal of Advanced Robotic Systems, 2020, 17, 172988141989538.	2.1	0
30	Design of Magnetic Field LUT Model for Femto-Satellites. Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University, 2019, 37, 283-290.	0.5	0