## Cooperative UAV Formation Flying With Obstacle/Colli

IEEE Transactions on Control Systems Technology 15, 672-679 DOI: 10.1109/tcst.2007.899191

**Citation Report** 

#	Article	IF	CITATIONS
1	Cooperative Control of Multiple Biomimetic Robotic Fish. , 0, , .		6
2	A Framework for Simulation and Testing of UAVs in Cooperative Scenarios. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 54, 307-329.	3.4	17
3	Decentralized UAV formation tracking flight control using gyroscopic force. , 2009, , .		11
4	Non-linear dual-mode receding horizon control for multiple unmanned air vehicles formation flight based on chaotic particle swarm optimisation. IET Control Theory and Applications, 2010, 4, 2565-2578.	2.1	73
5	Reactive Obstacle Avoidance of UAVs with Dynamic Inversion Based Partial Integrated Guidance and Control. , 2010, , .		4
6	Nonlinear Geometric Guidance and Di $\hat{A}^{\textcircled{o}}$ erential Geometric Guidance of UAVs for Reactive Collision Avoidance. , 2010, , .		3
7	Information Based Framework for Aircraft Integrated Mission Planning. , 2010, , .		0
8	Multi-agent consensus algorithm with obstacle avoidance via optimal control approach. International Journal of Control, 2010, 83, 2606-2621.	1.9	37
9	Formation Flight Control of Multiple Small Autonomous Helicopters Using Predictive Control. , 2010, , 195-215.		0
10	3-D Formulation of Formation Flight Based on Model Predictive Control with Collision Avoidance Scheme. , 2010, , .		3
11	A synchronization strategy for three dimensional decentralized formation control of unmanned aircrafts. , 2011, , .		18
12	Modeling and controlling 3D formations and flocking behavior of unmanned air vehicles. , 2011, , .		8
13	Mobile robots cooperative control and obstacle avoidance using potential field. , 2011, , .		37
14	Cooperative actuator fault accommodation in formation flight of unmanned vehicles using relative measurements. International Journal of Control, 2011, 84, 876-894.	1.9	35
15	A review of autonomous multi-agent quad-rotor control techniques and applications. , 2011, , .		14
16	Guidance of Flocks of Vehicles Using Virtual Signposts. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5999-6004.	0.4	4
17	Dealing with midair collisions in dense collective aerial systems. Journal of Field Robotics, 2011, 28, 405-423.	6.0	12
18	Hybrid formation control of the Unmanned Aerial Vehicles. Mechatronics, 2011, 21, 886-898.	3.3	42

TATION REPO

#	Article	IF	CITATIONS
19	Multi-agent consensus algorithm with obstacle avoidance via optimal control approach. , 2011, , .		4
20	Obstacle avoidance in multi-vehicle coordinated motion via stabilization of time-varying sets. , 2011, , .		6
21	ODE-based obstacle avoidance and trajectory planning for unmanned surface vessels. Robotica, 2011, 29, 691-703.	1.9	32
22	Evolving Philosophies on Autonomous Obstacle/Collision Avoidance of Unmanned Aerial Vehicles. Journal of Aerospace Computing, Information, and Communication, 2011, 8, 17-41.	0.8	52
23	Neuro-Adaptive Augmented Dynamic Inversion Based PIGC Design for Reactive Obstacle Avoidance of UAVs. , 2011, , .		8
24	Cooperative actuator fault accommodation in formation flight of unmanned vehicles using absolute measurements. IET Control Theory and Applications, 2012, 6, 2805-2819.	2.1	18
25	Cooperative Nonlinear Model Predictive Control for Flocks of Vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 169-174.	0.4	12
26	Lyapunov, Adaptive, and Optimal Design Techniques for Cooperative Systems on Directed Communication Graphs. IEEE Transactions on Industrial Electronics, 2012, 59, 3026-3041.	7.9	540
27	Distributed and cooperative estimation of formation flight of unmanned vehicles subject to faults and unreliable information. , 2012, , .		1
28	Adaptive artificial potential field approach for obstacle avoidance of unmanned aircrafts. , 2012, , .		31
29	Decentralized control of nonlinear multi-agent systems using single network adaptive critics. , 2012, ,		0
30	An Optimal Tracking Approach to Formation Control of Nonlinear Multi-Agent Systems. , 2012, , .		5
31	In-flight collision avoidance controller based only on OS4 embedded sensors. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2012, 34, 294-307.	1.6	39
32	Intelligent Cooperative Control Architecture: A Framework for Performance Improvement Using Safe Learning. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 72, 83-103.	3.4	24
33	Finite-time consensus and collision avoidance control algorithms for multiple AUVs. Automatica, 2013, 49, 3359-3367.	5.0	295
34	Integrated Optimal Formation Control of Multiple Unmanned Aerial Vehicles. IEEE Transactions on Control Systems Technology, 2013, 21, 1731-1744.	5.2	229
35	Using multiple Quadrotor aircraft and Linear Model Predictive Control for the encirclement of a target. , 2013, , .		15
36	Clobal consensus of multiple integrator agents via saturated controls. Journal of the Franklin Institute, 2013, 350, 2261-2276.	3.4	22

#	Article	IF	CITATIONS
37	UAV Position Estimation and Collision Avoidance Using the Extended Kalman Filter. IEEE Transactions on Vehicular Technology, 2013, 62, 2749-2762.	6.3	134
38	Further Results on Consensus of Second-Order Multi-Agent Systems With Exogenous Disturbance. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 3215-3226.	5.4	59
39	Optimal Collision Avoidance Trajectories for Unmanned/Remotely Piloted Aircraft. , 2013, , .		18
40	<mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">id="M1"&gt;<mml:mrow><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ Control and Obstacle Avoidance for Hybrid Multi-Agent Systems. Journal of Applied Mathematics, 2013, 2013. 1-11.</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>	ž <td>&gt;</td>	>
41	Efficient distributed sensing using adaptive censoring based inference. , 2013, , .		1
42	Formation control of a team of single-integrator agents with measurement error. , 2013, , .		0
43	Challenges of Integrating Unmanned Aerial Vehicles In Civil Application. IOP Conference Series: Materials Science and Engineering, 2013, 53, 012092.	0.6	3
44	Multiple robot formation control strategy in corridor environments. , 2014, , .		1
45	Safety in coordinated control of multiple unmanned aerial vehicle manipulator systems: Case of obstacle avoidance. , 2014, , .		5
46	Optimal Collision Avoidance Trajectories via Direct Orthogonal Collocation for Unmanned/Remotely Piloted Aircraft Sense and Avoid Operations. , 2014, , .		17
47	Adaptive control for attitude synchronisation of spacecraft formation via extended state observer. IET Control Theory and Applications, 2014, 8, 2171-2185.	2.1	77
48	Global consensus of singleâ€integrator agents subject to saturation constraints. IET Control Theory and Applications, 2014, 8, 765-771.	2.1	15
49	Obstacle avoidance algorithm for a finite-time formation control. , 2014, , .		0
50	Distributed formation control for a multi-agent system with dynamic and static obstacle avoidances. Chinese Physics B, 2014, 23, 070509.	1.4	10
51	Flocking of multi-agents with arbitrary shape obstacle. , 2014, , .		10
52	A review of rotorcraft Unmanned Aerial Vehicle (UAV) developments and applications in civil engineering. Smart Structures and Systems, 2014, 13, 1065-1094.	1.9	268
53	Efficient distributed sensing using adaptive censoring-based inference. Automatica, 2014, 50, 1590-1602.	5.0	15
54	Model predictive control of cooperative vehicles using systematic search approach. Control Engineering Practice, 2014, 32, 204-217.	5.5	23

#	Article	IF	CITATIONS
55	Consensus of second-order multi-agent systems with disturbances generated by nonlinear exosystems under switching topologies. Journal of the Franklin Institute, 2014, 351, 473-486.	3.4	13
56	Time-varying formation control for unmanned aerial vehicles with switching interaction topologies. , 2014, , .		10
57	Distributed Finite-Time Containment Control for Double-Integrator Multiagent Systems. IEEE Transactions on Cybernetics, 2014, 44, 1518-1528.	9.5	321
58	An adaptive critic-based scheme for consensus control of nonlinear multi-agent systems. International Journal of Control, 2014, 87, 2463-2474.	1.9	9
59	Distributed rotating consensus control of multi-agent systems with random time-varying delays. , 2014, , .		0
60	Cooperative Adaptive Fuzzy Tracking Control for Networked Unknown Nonlinear Multiagent Systems With Time-Varying Actuator Faults. IEEE Transactions on Fuzzy Systems, 2014, 22, 494-504.	9.8	297
61	A Decentralized Cooperative Control Scheme With Obstacle Avoidance for a Team of Mobile Robots. IEEE Transactions on Industrial Electronics, 2014, 61, 347-354.	7.9	298
62	On Consensus of Multiple High-Order Uncertain Systems Based on Distributed Backstepping Framework. International Journal of Advanced Robotic Systems, 2014, 11, 120.	2.1	1
63	Mixed H <inf>∞</inf> and passive consensus of second-order multi-agent systems with time-varying transmission delays. , 2014, , .		0
64	Conflict Detection and Resolution System Architecture for Unmanned Aerial Vehicles in Civil Airspace. , 2015, , .		5
65	Multi-obstacle avoidance for UAVs in indoor applications. , 2015, , .		2
66	Consensus based second order discrete-time multi-agent systems formation control with time-delays. , 2015, , .		2
67	Formation Control of Mobile Robots with Obstacle Avoidance. Transactions of the Institute of Systems Control and Information Engineers, 2015, 28, 50-57.	0.1	1
68	A Stochastic Sampling Consensus Protocol of Networked Euler–Lagrange Systems With Application to Two-Link Manipulator. IEEE Transactions on Industrial Informatics, 2015, 11, 907-914.	11.3	74
69	Multi-agent coordination in high velocity UAVs conflict detection and resolution. , 2015, , .		1
70	Cooperative control of networked autonomous vehicles using convex optimization. , 2015, , .		2
71	Collision avoidance for quadrotor using stereo vision depth maps. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 3226-3241.	4.7	33
72	Time-Varying Formation Control for Unmanned Aerial Vehicles: Theories and Applications. IEEE Transactions on Control Systems Technology, 2015, 23, 340-348.	5.2	730

#	Article	IF	CITATIONS
73	Distributed backstepping-based adaptive fuzzy control of multiple high-order nonlinear dynamics. Nonlinear Dynamics, 2015, 81, 63-75.	5.2	32
74	Leader-following consensus of heterogeneous multi-agent systems with packet dropout. International Journal of Control, Automation and Systems, 2015, 13, 1067-1075.	2.7	20
75	Cooperative Control of Multi-Agent Systems With Unknown State-Dependent Controlling Effects. IEEE Transactions on Automation Science and Engineering, 2015, 12, 827-834.	5.2	175
76	An overview of recent progress in high-order nonholonomic chained system control and distributed coordination. Journal of Control and Decision, 2015, 2, 64-85.	1.6	21
77	Receding horizon particle swarm optimisationâ€based formation control with collision avoidance for nonâ€holonomic mobile robots. IET Control Theory and Applications, 2015, 9, 2075-2083.	2.1	36
78	Multiple cooperative UAVs target tracking using Learning Based Model Predictive Control. , 2015, , .		12
79	Fixed-time consensus protocols for multi-agent systems with linear and nonlinear state measurements. Nonlinear Dynamics, 2015, 82, 1683-1690.	5.2	39
80	Cooperative Unmanned Aerial Vehicles formation via decentralized LBMPC. , 2015, , .		4
81	Leader-follower formation control of unmanned aerial vehicles with fault tolerant and collision avoidance capabilities. , 2015, , .		23
82	Path Planning for Multi-UAV Formation. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 77, 229-246.	3.4	99
83	Robot Obstacle Avoidance Learning Based on Mixture Models. Journal of Robotics, 2016, 2016, 1-14.	0.9	10
84	Consensus of Second Order Multi-Agent Systems with Exogenous Disturbance Generated by Unknown Exosystems. Entropy, 2016, 18, 423.	2.2	10
85	Formation reconfiguration of cooperative UAVs via Learning Based Model Predictive Control in an obstacle-loaded environment. , 2016, , .		12
86	Intelligent Unmanned Aerial Vehicle Platform for Smart Cities. , 2016, , .		14
87	Event-based finite time containment control for multi-agent systems. , 2016, , .		3
88	Impact of drone swarm formations in 3D scene reconstruction. , 2016, , .		12
89	A novel control algorithm for the self-organized fission behavior of flocking system with time delay. International Journal of Control, Automation and Systems, 2016, 14, 986-997.	2.7	10
90	Switching hierarchical leadership mechanism in homing flight of pigeon flocks. Europhysics Letters, 2016, 114, 60008.	2.0	22

#	Article	IF	CITATIONS
91	Time-varying formation tracking for UAV swarm systems with switching interaction topologies. , 2016, , .		8
92	Fault-Tolerant Formation Control of Unmanned Aerial Vehicles in the Presence of Actuator Faults and Obstacles. Unmanned Systems, 2016, 04, 197-211.	3.6	26
93	A formation flight control of UAVs using ZigBee. , 2016, , .		4
94	Exploring the use of RPAs as 5G points of presence. , 2016, , .		2
95	Noisy Problem on Discrete Linear Consensus Protocol in Networked Multi-agent Systems. , 2016, , .		0
96	On the implementation of area coverage optimization using mobile robots. , 2016, , .		1
97	Cooperative formation control of autonomous underwater vehicles: An overview. International Journal of Automation and Computing, 2016, 13, 199-225.	4.5	138
98	Formation control of multiple Euler-Lagrange systems via null-space-based behavioral control. Science China Information Sciences, 2016, 59, 1-11.	4.3	53
99	Real-time Autonomous UAV Formation Flight with Collision and Obstacle Avoidance in Unknown Environment. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 415-433.	3.4	53
100	Finite-time distributed event-triggered consensus control for multi-agent systems. Information Sciences, 2016, 339, 132-142.	6.9	143
101	Formation Control of Swarm Systems. Springer Theses, 2016, , 53-103.	0.1	0
103	Synchronization for non-uniform sampling networked rigid bodies. Neurocomputing, 2016, 173, 1761-1767.	5.9	4
104	Time-varying formation control for unmanned aerial vehicles with switching interaction topologies. Control Engineering Practice, 2016, 46, 26-36.	5.5	284
105	Reinforcement learning-based asymptotic cooperative tracking of a class multi-agent dynamic systems using neural networks. Neurocomputing, 2016, 171, 220-229.	5.9	25
106	Optimal formation control with limited communication for multi-unmanned aerial vehicle in an obstacle-laden environment. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 979-997.	1.3	7
107	Observerâ€based leaderâ€following consensus of uncertain nonlinear multiâ€agent systems. International Journal of Robust and Nonlinear Control, 2017, 27, 3794-3811.	3.7	142
108	Current trends in the development of intelligent unmanned autonomous systems. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 68-85.	2.6	93
109	Introduction to Multi-agent Cooperative Control. Advances in Industrial Control, 2017, , 45-65.	0.5	1

#	Article	IF	CITATIONS
110	A Collision Forecast and Coordination Algorithm in Configuration Control of Missile Autonomous Formation. IEEE Access, 2017, 5, 1188-1199.	4.2	14
111	Simulation and exploration of high-density unmanned aerial vehicle systems. , 2017, , .		1
112	Flying Swarm of Drones Over Circulant Digraph. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2662-2670.	4.7	18
113	Distributed Adaptive Fuzzy Control for Output Consensus of Heterogeneous Stochastic Nonlinear Multi-Agent Systems. IEEE Transactions on Fuzzy Systems, 2017, , 1-1.	9.8	25
114	Guaranteeing spoof-resilient multi-robot networks. Autonomous Robots, 2017, 41, 1383-1400.	4.8	44
115	Robust nonlinear control approach to nontrivial maneuvers and obstacle avoidance for quadrotor UAV under disturbances. Robotics and Autonomous Systems, 2017, 98, 317-332.	5.1	36
116	Heterogeneous multi-robot trajectories for area coverage optimization. , 2017, , .		0
117	Collision avoidance between multi-UAV-systems considering formation control using MPC. , 2017, , .		25
118	Networked Drone Cameras for Sports Streaming. , 2017, , .		37
119	An event-triggering-based approach for three-dimensional local-level frame formation control of leader-follower UAVs. , 2017, , .		4
120	Semi-global leader-follower consensus for networked unmanned multi-aircraft systems with input saturation. , 2017, , .		2
121	Avoidance maps: A new concept in UAV collision avoidance. , 2017, , .		17
122	Formation obstacle avoidance using RRT and constraint based programming. , 2017, , .		3
123	Distributed Adaptive Finite-Time Approach for Formation-Containment Control of Networked Nonlinear Systems Under Directed Topology. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-12.	11.3	37
124	Time-Varying Formation Tracking for Second-Order Multi-Agent Systems Subjected to Switching Topologies With Application to Quadrotor Formation Flying. IEEE Transactions on Industrial Electronics, 2017, 64, 5014-5024.	7.9	566
125	A study on UAV formation collision avoidance. , 2017, , .		Ο
126	Sense and avoid technology in unmanned aerial vehicles: A review. , 2017, , .		20
127	Formation control of multi-agent systems with direction adjustment. , 2017, , .		0

#	Article	IF	CITATIONS
128	A brief review on the positioning technologies for unmanned aerial vehicles. , 2017, , .		5
129	Multi-UAV cooperative formation flight control based on APF & amp; SMC. , 2017, , .		4
130	Model-free optimal consensus control for multi-agent systems using kernel-based ADP method. , 2017, ,		4
131	$\hat{I}^3$ -adaptive consensus control for leader-following multi-agent systems with adjustable convergence speed. , 2017, , .		1
132	Circular formation control of fixed-wing UAVs with constant speeds. , 2017, , .		18
133	$\hat{I}^3$ -Adaptive consensus control for multi-agent systems with adjustable convergence speed. , 2017, , .		0
134	Passivity-based pose synchronization for quadrotors under general digraphs. , 2017, , .		3
135	Autonomous UAV forced graffiti detection and removal system based on machine learning. , 2017, , .		6
136	Finiteâ€time eventâ€triggered consensus for nonâ€linear multiâ€agent networks under directed network topology. IET Control Theory and Applications, 2017, 11, 2458-2464.	2.1	43
137	Formation-containment control of second-order multi-agent systems with time delays. , 2017, , .		2
138	Quadrotor UAVs Flying Formation Reconfiguration with Collision Avoidance Using Probabilistic Roadmap Algorithm. , 2017, , .		8
139	Faultâ€ŧolerant formation control of nonâ€ŀinear multiâ€vehicle systems with application to quadrotors. IET Control Theory and Applications, 2017, 11, 3179-3190.	2.1	29
140	Asymptotical Cooperative Tracking Control for Unknown High-Order Multi-Agent Systems via Distributed Adaptive Critic Design. IEEE Access, 2018, 6, 24650-24659.	4.2	5
141	Unmanned Aerial Vehicles Formation Using Learning Based Model Predictive Control. Asian Journal of Control, 2018, 20, 1014-1026.	3.0	22
142	LMI consensus condition for discrete-time multi-agent systems. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 509-513.	13.1	11
143	Finite-time containment control of perturbed multi-agent systems based on sliding-mode control. International Journal of Systems Science, 2018, 49, 299-311.	5.5	20
144	Optimal Consensus Control of Unknown Nonlinear Multi-Agent Systems Using Adaptive Dynamic Programming via MRAC. , 2018, , .		1
145	Vision-based Control for Aerial Obstacle Avoidance in Forest Environments. IFAC-PapersOnLine, 2018, 51, 480-485.	0.9	12

$\mathbf{C}$		ON	DEDODT
	IIAII	UN	REPORT

#	Article	IF	CITATIONS
146	Cooperative Formation and Obstacle Avoidance Algorithm for Multi-UAV System in 3D Environment. , 2018, , .		11
147	Formation control of multiple UAVâ $\in$ Ms via decentralized control approach. , 2018, , .		3
148	Multi-Agent Formation Control and Target Tracking. , 2018, , .		1
149	Rotorigami: A rotary origami protective system for robotic rotorcraft. Science Robotics, 2018, 3, .	17.6	116
150	Pose Synchronization for Quadrotor Networks under Fixed General Interconnection Topology: A Passivity Approach. SICE Journal of Control Measurement and System Integration, 2018, 11, 160-168.	0.7	1
151	Formation Configuration for Cooperative Multiple UAV Via Backstepping PID Controller. , 2018, , .		14
152	UAS Neural Net based Formation Flight. , 2018, , .		0
153	Event-triggered Model Predictive Control Applied to Formation Control for Multiple UAVs. , 2018, , .		0
154	Formation control of multirotor aerial vehicles using decentralized MPC. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	11
155	Group controllability of two-time-scale multi-agent networks. Journal of the Franklin Institute, 2018, 355, 6045-6061.	3.4	50
156	Formation control of multiple quadcopters using model predictive control. Advanced Robotics, 2018, 32, 1037-1046.	1.8	6
157	Energy-Optimized Consensus Formation Control for the Time-Delayed Bilateral Teleoperation System of UAVs. International Journal of Aerospace Engineering, 2018, 2018, 1-22.	0.9	3
158	Sliding-mode consensus algorithms for disturbed second-order multi-agent systems. Journal of the Franklin Institute, 2018, 355, 7443-7465.	3.4	34
159	A Distributed Control Approach to Formation Balancing and Maneuvering of Multiple Multirotor UAVs. IEEE Transactions on Robotics, 2018, 34, 870-882.	10.3	52
160	Optimal Tracking Control of Flight Trajectory for Unmanned Aerial Vehicles. , 2018, , .		3
161	Multiagent Systems. , 2018, , 313-338.		1
162	Research on UAV Multi-Obstacle Detection Algorithm based on Stereo Vision. , 2019, , .		2
163	Hybrid ISMC-PIO and Receding Horizon Control for UAVs Formation. , 2019, , .		0

#	Article	IF	CITATIONS
164	3D-Sensing MIMO Radar for UAV Formation Flight and Obstacle Avoidance. , 2019, , .		8
165	Formation control for a string of interconnected second-order systems via target feedback. Journal of the Franklin Institute, 2019, 356, 8521-8541.	3.4	1
166	Formation Control with Collision Avoidance through Deep Reinforcement Learning. , 2019, , .		14
167	Safe and Efficient UAV Navigation Near an Airport. , 2019, , .		3
168	Coordinated flight control of miniature fixed-wing UAV swarms: methods and experiments. Science China Information Sciences, 2019, 62, 1.	4.3	62
169	Distributed adaptive consensus tracking control for uncertain nonâ€linear multiâ€agent systems with input saturation. IET Control Theory and Applications, 2019, 13, 2153-2162.	2.1	15
170	Nonrepetitive trajectory tracking for nonlinear autonomous agents with asymmetric output constraints using parametric iterative learning control. International Journal of Robust and Nonlinear Control, 2019, 29, 1941-1955.	3.7	16
171	Practical time-varying output formation tracking for high-order multi-agent systems with collision avoidance, obstacle dodging and connectivity maintenance. Journal of the Franklin Institute, 2019, 356, 5898-5926.	3.4	27
172	Nonlinear Control for Autonomous Trajectory Tracking while Considering Collision Avoidance of UAVs Based on Geometric Relations. Energies, 2019, 12, 1551.	3.1	20
173	Control of multi-agent systems with input delay via PDE-based method. Automatica, 2019, 106, 91-100.	5.0	39
174	Safe multi-cluster UAV continuum deformation coordination. Aerospace Science and Technology, 2019, 91, 640-655.	4.8	12
175	Asynchronous adaptive event-triggered tracking control for multi-agent systems with stochastic actuator faults. Applied Mathematics and Computation, 2019, 355, 482-496.	2.2	35
176	Time-varying formation tracking for uncertain second-order nonlinear multi-agent systems. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 76-87.	2.6	12
177	Research on the Collision Avoidance Algorithm for Fixed-Wing UAVs Based on Maneuver Coordination and Planned Trajectories Prediction. Applied Sciences (Switzerland), 2019, 9, 798.	2.5	13
178	Single Target Dynamic Tracking and Hunting Based on Multi- Agent systems Control. , 2019, , .		0
179	Passivity based Consensus of Multi-agent Systems with Partly Consensusable Topologies by Admissible Edge-dependent Switching. , 2019, , .		0
180	Heterogeneous Formation Control of Multiple Rotorcrafts with Unknown Dynamics using Reinforcement Learning*. , 2019, , .		1
181	Formation control for multiple heterogeneous unmanned aerial vehicles and unmanned surface vessels system. , 2019, , .		4

#	Article	IF	Citations
182	A Review on Source Seeking Control and Its Application to Wheeled Mobile Robots. , 2019, , .		2
183	Building Smart City Drone for Graffiti Detection and Clean-up. , 2019, , .		8
184	Multi-agent formation control with obstacle avoidance based on receding horizon strategy. , 2019, , .		5
185	Obstacle Avoidance Algorithm for Multi-UAV Flocking Based on Artificial Potential Field and Dubins Path Planning. , 2019, , .		10
186	Energy-Efficient Topology Control for UAV Networks. Energies, 2019, 12, 4523.	3.1	13
187	UAV Formation Flight and Collision Warning with Centralized Control of Ground Control Station. , 2019, , .		4
188	A Novel Collision Avoidance Method for Multiple Fixed-wing Unmanned Aerial Vehicles. , 2019, , .		3
189	A Hybrid Control Strategy for Autonomous Navigation while Avoiding Multiple Obstacles at Unknown Locations. , 2019, , .		2
190	Distributed dynamic containment control over a strongly connected and weight-balanced digraph. IFAC-PapersOnLine, 2019, 52, 25-30.	0.9	5
191	The null-space-based behavioral control for a swarm of robots tracking a target region in obstacle environments. , 2019, , .		6
192	Guidance and control for own aircraft in the autonomous air combat: A historical review and future prospects. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 5943-5991.	1.3	14
193	Distributed Fault-Tolerant Cooperative Control for Multi-UAVs Under Actuator Fault and Input Saturation. IEEE Transactions on Control Systems Technology, 2019, 27, 2417-2429.	5.2	112
194	Time-optimal control of multiple unmanned aerial vehicles with human control input. International Journal of Intelligent Computing and Cybernetics, 2019, 12, 138-152.	2.7	3
195	Multi-UAV Continuum Deformation Flight Optimization in Cluttered urban environments. , 2019, , .		0
196	Time-Varying Formation Tracking for UAV Swarm Systems With Switching Directed Topologies. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3674-3685.	11.3	114
197	Event-triggered sliding mode based consensus tracking in second order heterogeneous nonlinear multi-agent systems. European Journal of Control, 2019, 45, 30-44.	2.6	36
198	Theory and Experiment on Formation-Containment Control of Multiple Multirotor Unmanned Aerial Vehicle Systems. IEEE Transactions on Automation Science and Engineering, 2019, 16, 229-240.	5.2	217
199	Consensus-based total-amount cooperative tracking control for multi-motor locomotive traction system. Journal of the Franklin Institute, 2019, 356, 819-834.	3.4	11

#	Article	IF	CITATIONS
200	Model-Free Distributed Consensus Control Based on Actor–Critic Framework for Discrete-Time Nonlinear Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4123-4134.	9.3	37
201	Robust Formation Control for Multiple Quadrotors With Nonlinearities and Disturbances. IEEE Transactions on Cybernetics, 2020, 50, 1362-1371.	9.5	169
202	Distributed Reactive Model Predictive Control for Collision Avoidance of Unmanned Aerial Vehicles in Civil Airspace. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 97, 185-203.	3.4	27
203	A multi-objective pigeon-inspired optimization approach to UAV distributed flocking among obstacles. Information Sciences, 2020, 509, 515-529.	6.9	110
204	Collision Avoidance of SDRE Controller using Artificial Potential Field Method: Application to Aerial Robotics. , 2020, , .		3
205	Bebop 2 Quadrotor as a Platform for Research and Education in Robotics and Control Engineering. , 2020, , .		5
206	Twoâ€layer distributed formationâ€containment control strategy for linear swarm systems: Algorithm and experiments. International Journal of Robust and Nonlinear Control, 2020, 30, 6433-6453.	3.7	22
207	Robust ADP-based solution of a class of nonlinear multi-agent systems with input saturation and collision avoidance constraints. ISA Transactions, 2020, 107, 52-62.	5.7	10
208	Designing Event-Triggered Observers for Distributed Tracking Consensus of Higher-Order Multiagent Systems. IEEE Transactions on Cybernetics, 2022, 52, 3302-3313.	9.5	14
209	Energy-Efficient Formation Morphing for Collision Avoidance in a Swarm of Drones. IEEE Access, 2020, 8, 170681-170695.	4.2	25
210	Formation Control Strategy of Multi-agent Systems with Obstacle Avoidance. , 2020, , .		1
211	Fast Distributed Model Predictive Control for DC Microgrids. , 2020, , .		3
212	Distributed adaptive output-feedback fault tolerant control for nonlinear systems with sensor faults. Journal of Intelligent and Fuzzy Systems, 2020, 38, 4173-4190.	1.4	4
213	Stereo vision based obstacle collision avoidance for a quadrotor using ellipsoidal bounding box and hierarchical clustering. Aerospace Science and Technology, 2020, 103, 105882.	4.8	28
214	Cooperative Path Following Control of Fixed-wing Unmanned Aerial Vehicles with Collision Avoidance. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 100, 1569-1581.	3.4	25
215	Unmanned Aerial Vehicles (UAVs): Collision Avoidance Systems and Approaches. IEEE Access, 2020, 8, 105139-105155.	4.2	158
216	Research on Cooperative Control of the Hydraulic System of Multiple Intelligent Vehicles Combined Transportation. Journal of Advanced Transportation, 2020, 2020, 1-13.	1.7	2
217	UAV Trajectory Estimation and Deviation Analysis for Contingency Management in Urban Environments. , 2020, , .		12

#	Article	IF	CITATIONS
218	Research on Assessment of Technical Importance Based on Weapon Technology System-of-Systems Network Model. , 2020, , .		0
219	Finite-time formation tracking control with collision avoidance for quadrotor UAVs. Journal of the Franklin Institute, 2020, 357, 4034-4058.	3.4	71
220	Multi-UAV Interference Coordination via Joint Trajectory and Power Control. IEEE Transactions on Signal Processing, 2020, 68, 843-858.	5.3	90
221	Formation control for multiquadrotor aircraft: Connectivity preserving and collision avoidance. International Journal of Robust and Nonlinear Control, 2020, 30, 2352-2366.	3.7	22
222	Dynamic Event-Triggered Time-Varying Formation Control of Second-Order Dynamic Agents: Application to Multiple Quadcopters Systems. Applied Sciences (Switzerland), 2020, 10, 2814.	2.5	7
223	A Quadral-Fuzzy Control Approach to Flight Formation by a Fleet of Unmanned Aerial Vehicles. IEEE Access, 2020, 8, 64366-64381.	4.2	10
224	Development of Efficient Swarm Intelligence Algorithm for Simulating Two-Dimensional Orthomosaic for Terrain Mapping Using Cooperative Unmanned Aerial Vehicles. , 2020, , 75-93.		2
225	Formation Control With Collision Avoidance Through Deep Reinforcement Learning Using Model-Guided Demonstration. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2358-2372.	11.3	46
226	Placement and Routing Optimization for Automated Inspection With Unmanned Aerial Vehicles: A Study in Offshore Wind Farm. IEEE Transactions on Industrial Informatics, 2021, 17, 3032-3043.	11.3	34
227	Performance Analysis of Adaptive Dynamic Tube MPC. , 2021, , .		1
228	Attacks on Formation Control for Multiagent Systems. IEEE Transactions on Cybernetics, 2022, 52, 12805-12817.	9.5	36
229	Cloud-Based Drone Management System in Smart Cities. Studies in Systems, Decision and Control, 2021, , 211-230.	1.0	9
230	UAV Trajectory Planning With Probabilistic Geo-Fence via Iterative Chance-Constrained Optimization. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5859-5870.	8.0	9
231	Data Driven Model-Free Adaptive Control Method for Quadrotor Formation Trajectory Tracking Based on RISE and ISMC Algorithm. Sensors, 2021, 21, 1289.	3.8	9
232	Finiteâ€time consensus of leaderâ€following nonâ€linear multiâ€agent systems via eventâ€triggered impulsive control. IET Control Theory and Applications, 2021, 15, 926-936.	2.1	16
233	Energy-Efficient Navigation of an Autonomous Swarm with Adaptive Consciousness. Remote Sensing, 2021, 13, 1059.	4.0	10
234	Flocks formation model for self-interested UAVs. Intelligent Service Robotics, 2021, 14, 157-174.	2.6	4
235	Multi-agent time-varying formation control based on consistency. Journal of Physics: Conference Series, 2021, 1865, 022031.	0.4	1

#	Article	IF	CITATIONS
236	Multi-unmanned aerial vehicle swarm formation control using hybrid strategy. Transactions of the Institute of Measurement and Control, 2021, 43, 2689-2701.	1.7	26
237	Decentralized Planning-Assisted Deep Reinforcement Learning for Collision and Obstacle Avoidance in UAV Networks. , 2021, , .		6
238	Heterogeneous formation control of multiple rotorcrafts with unknown dynamics by reinforcement learning. Information Sciences, 2021, 558, 194-207.	6.9	26
239	Efficient Three Dimensional Formation Control for Unmanned Aerial Vehicles in GPS-Denied Environments. , 2021, , .		0
240	A State-of-the-Art Analysis of Obstacle Avoidance Methods from the Perspective of an Agricultural Sprayer UAV's Operation Scenario. Agronomy, 2021, 11, 1069.	3.0	18
241	Virtual Structure Formation Flight Control Based on Nonlinear MPC. , 2021, , .		8
242	Joint resource allocation and power control for radar interference mitigation in multi-UAV networks. Science China Information Sciences, 2021, 64, 1.	4.3	5
243	Designing airspace for urban air mobility: A review of concepts and approaches. Progress in Aerospace Sciences, 2021, 125, 100726.	12.1	147
244	Extremely Low-Profile Monopolar Microstrip Antenna with Wide Bandwidth. Sensors, 2021, 21, 5295.	3.8	2
245	3D path planning and real-time collision resolution of multirotor drone operations in complex urban low-altitude airspace. Transportation Research Part C: Emerging Technologies, 2021, 129, 103123.	7.6	23
246	On the Distributed Path Planning of Multiple Autonomous Vehicles Under Uncertainty Based on Model-Predictive Control and Convex Optimization. IEEE Systems Journal, 2021, 15, 3759-3768.	4.6	2
247	Bearing-Based Distributed Formation Control of Multiple Vertical Take-Off and Landing UAVs. IEEE Transactions on Control of Network Systems, 2021, 8, 1281-1292.	3.7	34
248	Adaptive Attitude Control for Multi-MUAV Systems With Output Dead-Zone and Actuator Fault. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1567-1575.	13.1	52
249	Distributed Consensus Control for Nonlinear Multi-agent Systems. Studies in Systems, Decision and Control, 2021, , 193-223.	1.0	0
250	Control of Cooperative Unmanned Aerial Vehicles: Review of Applications, Challenges, and Algorithms. Advances in Intelligent Systems and Computing, 2020, , 229-255.	0.6	10
251	Navigation of Autonomous Swarm of Drones Using Translational Coordinates. Lecture Notes in Computer Science, 2020, , 353-362.	1.3	8
252	From Simulated to Real Scenarios: A Framework for Multi-UAVs. Lecture Notes in Computer Science, 2008, , 17-28.	1.3	3
253	Multiple UAV Formation Control. , 2014, , 143-181.		2

#	ARTICLE	IF	CITATIONS
254	Formation Maintenance and Collision Avoidance in a Swarm of Drones. , 2019, , .		16
256	Probabilistic Planning for Continuous Dynamic Systems under Bounded Risk. Journal of Artificial Intelligence Research, 0, 46, 511-577.	7.0	39
257	A Survey of Recent Progress in the Study of Distributed High-Order Linear Multi-Agent Coordination. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2014, 18, 83-92.	0.9	4
258	Multi-UAV Tactic Switching via Model Predictive Control and Fuzzy Q-Learning. Journal of Engineering Science and Military Technologies, 2017, 1, 44-57.	0.2	2
259	Online Feasible Trajectory Generation for Collision Avoidance in Fixed-Wing Unmanned Aerial Vehicles. Journal of Guidance, Control, and Dynamics, 2020, 43, 1201-1209.	2.8	9
260	Formation Flight and Collision Avoidance for Multiple UAVs using Concept of Elastic Weighting Factor. International Journal of Aeronautical and Space Sciences, 2013, 14, 75-84.	2.0	10
261	UAV POSITIONING AND COLLISION AVOIDANCE BASED ON RSS MEASUREMENTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W4, 219-225.	0.2	20
263	Multirobot System Formation Control With Multiple Performance and Feasibility Constraints. IEEE Transactions on Control Systems Technology, 2022, 30, 1766-1773.	5.2	9
264	Sensing via Collisions: a Smart Cage for Quadrotors with Applications to Self-Localization. , 2021, , .		2
265	Consensusability of Continuous-time Multi-agent Systems With Multiplicative Noises. , 2021, , .		0
266	Design of Precise Delivery and Recovery System of Unmanned Aerial Vehicle Equipped with Line Patrol Robot. Journal of Physics: Conference Series, 2021, 2030, 012085.	0.4	0
267	Hopfield Neural Network Guided Evolutionary Algorithm for Aircraft Penetration Path Planning. Lecture Notes in Electrical Engineering, 2010, , 235-243.	0.4	0
268	Introduction to Synchronization in Nature and Physics and Cooperative Control for Multi-Agent Systems on Graphs. Communications and Control Engineering, 2014, , 1-21.	1.6	5
269	Analysis of Perturbations in Trajectory Control Using Visual Estimation in Multiple Quadrotor Systems. Advances in Intelligent Systems and Computing, 2014, , 115-129.	0.6	1
270	Research on UAV Collision Avoidance Strategy Considering Threat Levels. Advances in Intelligent Systems and Computing, 2014, , 887-897.	0.6	3
271	Development of Mission Analysis and Design Tool for ISR UAV Mission Planning. Journal of the Korean Society for Aeronautical & Space Sciences, 2014, 42, 181-190.	0.1	2
272	Consensus and Obstacle Avoidance of Partially-informed Multi-agent System. , 0, , .		0

#	Article	IF	CITATIONS
273	Developing Generative Adversarial Nets to Extend Training Sets and Optimize Discrete Actions. TransNav, 2019, 13, 875-880.	0.6	1
274	Overview of 5G and Beyond Communications. Wireless Networks, 2020, , 1-25.	0.5	Ο
275	Formation Control and Obstacle/Collision Avoidance withÂDynamic Constraints. Lecture Notes in Electrical Engineering, 2020, , 147-162.	0.4	1
276	Model-free Output Consensus Control for Nonlinear Multi-agent Systems with Random Disturbance. , 2020, , .		0
277	Event-Based Average Consensus of Multi-Agent Systems with Time-Varying Delays. Pure Mathematics, 2020, 10, 567-579.	0.0	0
279	Collisionless Fast Pattern Formation Mechanism for Dynamic Number of UAVs. , 2020, , .		6
280	Co-operative Collision Avoidance for Unmanned Aerial Vehicles using both Centralised and Decoupled Approaches. IFAC-PapersOnLine, 2020, 53, 10208-10215.	0.9	3
281	A Novel Formation Creation Algorithm for Heterogeneous Vehicles in Highway Scenarios: Assessment and Experimental Validation. IFAC-PapersOnLine, 2020, 53, 15300-15305.	0.9	1
282	A Novel Collision Avoidance Method for Fixed-wing Unmanned Aerial Vehicles. , 2020, , .		0
283	A Framework for Simulation and Testing of UAVs in Cooperative Scenarios. , 2008, , 307-329.		5
284	Research and Implementation of Biomimetic Cluster Method for UAVs Anti-collision. Lecture Notes in Electrical Engineering, 2022, , 2751-2760.	0.4	0
285	UAV formation obstacle avoidance control method based on artificial potential field and consistency. Journal of Physics: Conference Series, 2021, 2083, 042029.	0.4	1
286	Two-Step Asynchronous Iterative Formation Control for Heterogeneous Vehicles in Highway Scenarios. IEEE Transactions on Intelligent Vehicles, 2023, 8, 3119-3128.	12.7	1
287	Distributed UAV Swarm Formation and Collision Avoidance Strategies Over Fixed and Switching Topologies. IEEE Transactions on Cybernetics, 2022, 52, 10969-10979.	9.5	26
288	GPS-Denied Three Dimensional Leader-Follower Formation Control Using Deep Reinforcement Learning. , 2022, , .		3
289	Simulation of obstacle avoidance of an UAV. , 2020, , .		1
290	Output Formation-containment Control of Multiple Agents with Leaders of Unknown Inputs over Switching Topologies. , 2020, , .		1
291	Semi-Cooperative Control for Autonomous Emergency Vehicles. , 2021, , .		3

#	Article	IF	CITATIONS
292	Consensus Control and Collision Avoidance of Multi-agent System Based on Artificial Potential Field. Lecture Notes in Electrical Engineering, 2022, , 5277-5287.	0.4	0
293	Flight Strategy Design for Unmanned Aerial Vehicle Flying in Multi-threats Environment. , 2021, , .		1
294	Distributed Consensus Tracking Control of a Second-Order Nonlinear Multiagent System via Immersion and Invariance Method. IEEE Systems Journal, 2022, 16, 3120-3129.	4.6	1
295	Simulation analysis and experimental research on the safety distance of UAV inspection on transmission lines. AIP Advances, 2022, 12, .	1.3	2
296	Distributed finiteâ€ŧime formation of networked nonlinear systems via dynamic gain control. Asian Journal of Control, 2022, 24, 3299-3310.	3.0	4
297	Formation Control of Multi-Agent Systems With Constrained Mismatched Compasses. IEEE Transactions on Network Science and Engineering, 2022, 9, 2224-2236.	6.4	2
298	PPCA - Privacy-Preserving Collision Avoidance for Autonomous Unmanned Aerial Vehicles. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 1541-1558.	5.4	9
299	Multidepot Drone Path Planning With Collision Avoidance. IEEE Internet of Things Journal, 2022, 9, 16297-16307.	8.7	8
300	Formation control of unmanned aerial vehicle swarms: A comprehensive review. Asian Journal of Control, 2023, 25, 570-593.	3.0	23
301	A Data-Driven Dynamic Obstacle Avoidance Method for Liquid-Carrying Plant Protection UAVs. Agronomy, 2022, 12, 873.	3.0	3
302	A Detection-Interval-Varying Event-Triggering Mechanism for Multi-Agent Systems With Disturbances. , 2021, , .		0
303	Adaptive Constrained Formation-Tracking Control for a Tractor-Trailer Mobile Robot Team With Multiple Constraints. IEEE Transactions on Automatic Control, 2023, 68, 1700-1707.	5.7	19
304	Energy-Efficient Post-Failure Reconfiguration of Swarms of Unmanned Aerial Vehicles. IEEE Access, 2023, 11, 24768-24779.	4.2	0
305	Distributed Adaptive Mittag–Leffler Formation Control for Second-Order Fractional Multi-Agent Systems via Event-Triggered Control Strategy. Fractal and Fractional, 2022, 6, 380.	3.3	2
306	Bipartite consensus problems of directed signed networks with saturating input. , 2022, , .		0
307	Autonomous Robust Navigation System for MAV Based on Monocular Cameras. , 2022, , .		0
308	Cooperative Multi-UAV System for Surveillance and Search&Rescue Operations Over a Mobile 5G Node. , 2022, , .		1
310	Rapid networking method of multi-task UAV swarm based on leader-follower model. , 2022, , .		1

#	Article	IF	CITATIONS
311	Group Consensus for First-order Multi-agent Systems by the Iterative Learning Control. , 2022, , .		1
312	Adaptive sliding mode consensus control based on neural network for singular fractional order multi-agent systems. Applied Mathematics and Computation, 2022, 434, 127442.	2.2	7
313	On the understanding of the current status of urban air mobility development and its future prospects: Commuting in a flying vehicle as a new paradigm. Transportation Research, Part E: Logistics and Transportation Review, 2022, 166, 102868.	7.4	22
314	Event-Based Finite-Time Control for Nonlinear Multiagent Systems With Asymptotic Tracking. IEEE Transactions on Automatic Control, 2023, 68, 3790-3797.	5.7	104
315	Research on the Shortest Trajectory Problem for Fixed-Wing UAV Steering to Avoid Obstacles. Modeling and Simulation, 2022, 11, 1265-1273.	0.1	0
316	An Adaptive Formation Control Architecture for A Team of Quadrotors with Performance and Safety Constraints. , 2022, , .		Ο
317	Observerâ€based bipartite Mittag‣effler timeâ€varying formation for fractional multiâ€agent systems with discontinuous inherent dynamics. International Journal of Adaptive Control and Signal Processing, 2022, 36, 2838-2853.	4.1	0
318	Technical Background. Springer Tracts in Advanced Robotics, 2023, , 9-31.	0.4	0
319	OADC: An Obstacle-Avoidance Data Collection Scheme Using Multiple Unmanned Aerial Vehicles. Applied Sciences (Switzerland), 2022, 12, 11509.	2.5	2
320	Formation Control with Connectivity Assurance for Missile Swarms by a Natural Co-Evolutionary Strategy. Mathematics, 2022, 10, 4244.	2.2	2
321	Differential Game-Based Optimal Control of Autonomous Vehicle Convoy. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 2903-2919.	8.0	4
322	Distributed cooperative control of multiple UAVs with uncertainty. International Journal of Dynamics and Control, 0, , .	2.5	2
323	Autonomous Navigation and Obstacle Avoidance for Small VTOL UAV in Unknown Environments. Symmetry, 2022, 14, 2608.	2.2	3
324	Behavior-Based Herding Algorithm for Social Force Model Based Sheep Herd. Electronics (Switzerland), 2023, 12, 285.	3.1	0
325	Toward cooperative multi-agent video streaming perception. Scientia Sinica Informationis, 2023, 53, 46.	0.4	0
326	Reinforcement Learning Based Topology Control for UAV Networks. Sensors, 2023, 23, 921.	3.8	7
327	Recurrent LSTM-based UAV Trajectory Prediction with ADS-B Information. , 2022, , .		5
328	Constrained Load Transportation by A Team of Quadrotors. , 2022, , .		1

#	Article	IF	CITATIONS
329	Obstacle Avoidance Control of Unmanned Aerial Vehicle with Motor Loss-of-Effectiveness Fault Based on Improved Artificial Potential Field. Sustainability, 2023, 15, 2368.	3.2	3
330	Distributed Stochastic MPC forÂFormation ofÂMulti-agent Systems. Lecture Notes in Electrical Engineering, 2023, , 2669-2677.	0.4	0
331	Distributed Finite-Time Fault-Tolerant Cooperative Control ofÂMultiple UAVs Against Thrust Loss Fault andÂExternal Disturbances. Lecture Notes in Electrical Engineering, 2023, , 3060-3069.	0.4	0
332	Research on Modeling and Simulation of Autonomous Maneuver of Unmanned Combat Aircraft. Lecture Notes in Electrical Engineering, 2023, , 1401-1409.	0.4	0
333	Output Consensus of Heterogeneous Stochastic Multi-Agent Systems with Noises Different. , 2022, , .		0
334	Nonlinear Model Predictive Control of UAVs for Optimal Path Planning and Obstacle Avoidance. , 2022, , .		1
335	Distributed Model Predictive Formation Control for a Group of UAVs With Spatial Kinematics and Unidirectional Data Transmissions. IEEE Transactions on Network Science and Engineering, 2023, 10, 3209-3222.	6.4	1
336	Mission Planning forÂHeterogeneous UAVs inÂObstacle-Dense Environment. Lecture Notes in Electrical Engineering, 2023, , 823-836.	0.4	0
337	Formation Control Approach for Multi-UAV System Based on Consensus Method. Lecture Notes in Electrical Engineering, 2023, , 401-410.	0.4	0
338	Reinforcement Learning-based Hierarchical Obstacle Avoidance Strategy for Fixed-wing Aircraft. , 2022, , .		1
339	Research on Global Collision Avoidance Algorithm for Unmanned Ship Based on Improved Artificial Potential Field Algorithm. Communications in Computer and Information Science, 2023, , 358-369.	0.5	0
340	Development of a Hardware Demonstration Platform for Multi-Spacecraft Reconnaissance of Small Bodies. IEEE Journal on Miniaturization for Air and Space Systems, 2023, , 1-1.	2.7	0
341	Cooperative attack based on small-unit UAV swarms formation with trajectory tracking. Journal of Intelligent and Fuzzy Systems, 2023, , 1-17.	1.4	0
342	Adaptive formation control architectures for a team of quadrotors with multiple performance and safety constraints. International Journal of Robust and Nonlinear Control, 0, , .	3.7	0
344	Delay-Informed Intelligent Formation Control for UAV-Assisted IoT Application. Sensors, 2023, 23, 6190.	3.8	1
345	Adaptive Backstepping Sliding Mode Based Fault-Tolerant Cooperative Control for Multiple UAVs under Thrust Loss Faults and Input Saturation. , 2023, , .		0
346	Consensus Based Distributed Collective Motion of Swarm of Quadcopters. IEEE Internet of Things Journal, 2023, , 1-1.	8.7	0
347	Encryption–decryptionâ€based eventâ€triggered consensus control for nonlinear MASs under DoS attacks. International Iournal of Robust and Nonlinear Control. 2024. 34. 132-146.	3.7	0

#	Article	IF	CITATIONS
348	Review on Type of Sensors and Detection Method of Anti-Collision System of Unmanned Aerial Vehicle. Sensors, 2023, 23, 6810.	3.8	0
349	Three-Dimensional Urban Air Networks for Future Urban Air Transport Systems. Sustainability, 2023, 15, 13551.	3.2	0
350	Research on obstacle avoidance path planning of UAV in complex environments based on improved Bézier curve. Scientific Reports, 2023, 13, .	3.3	0
351	Al-based Navigation and Communication Control for a Team of UAVs with Reconfigurable Intelligent Surfaces Supporting Mobile Internet of Vehicles. , 2023, , .		1
353	Filter-Based Distributed Fault-Tolerant Neural Control Against Sensor Faults. , 2023, , 151-181.		0
354	Distributed Cooperative Neural Fault-Tolerant Sliding Mode Control Against Actuator Faults. , 2023, , 13-38.		0
355	Adaptive Fault-Tolerant Consensus Control Against Communication Faults. , 2023, , 107-130.		0
356	Distributed Finite-Time Formation Control of Quadrotors with Directed Topology <sup>*</sup> ., 2023,		0
357	Dynamic Event-Triggered Distributed Model-Free Adaptive Control for Unknown Nonlinear MASs with Stochastic Cyber-Attacks. , 2023, , .		0
358	Lightweight Privacy-Preserving Proximity Discovery for Remotely-Controlled Drones. , 2023, , .		0
359	Distributed FTCC of Multi-UAVs Under Actuator Fault and Input Saturation. , 2024, , 51-76.		0
360	Mean-Square Output Consensus of Heterogeneous Multi-Agent Systems with Multiplicative Noises in Dynamics and Measurements. Journal of Systems Science and Complexity, 2023, 36, 2364-2381.	2.8	0
361	Comparison of Multiple Models in Decentralized Target Estimation by a UAV Swarm. Drones, 2024, 8, 5.	4.9	0
362	Observer-based robust adaptive neural control for nonlinear multi-agent systems with quantised input. International Journal of Systems Science, 2024, 55, 1270-1282.	5.5	0
363	Systematic Review of Formation Control for Multiple Unmanned Aerial Vehicles. , 2023, , .		0
364	Design of an experiment platform for robot-fish swarm interaction. , 2023, , .		0