

Jianan Wang

List of Publications by Year in descending order

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74
papers

1,188
citations

361413
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all docs

74
docs citations

74
times ranked

739
citing authors

#	ARTICLE	IF	CITATIONS
1	Affine Formation Control of General Linear Multi-Agent Systems with Delays. Unmanned Systems, 2023, 11, 123-132.	3.6	3
2	Targets-Attackers-Defenders Game via Pairwise Outcomes. Unmanned Systems, 2023, 11, 133-142.	3.6	1
3	Resilient Unscented Kalman Filtering Fusion With Dynamic Event-Triggered Scheme: Applications to Multiple Unmanned Aerial Vehicles. IEEE Transactions on Control Systems Technology, 2023, 31, 370-381.	5.2	13
4	Event/Self-Triggered Consensus Control of Multiagent Systems With Undesirable Sensor Signals. IEEE Transactions on Cybernetics, 2022, 52, 4346-4355.	9.5	2
5	Finite-time distributed event-triggered formation control for quadrotor UAVs with experimentation. ISA Transactions, 2022, 126, 585-596.	5.7	22
6	Secure Particle Filtering for Cyber-Physical Systems With Binary Sensors Under Multiple Attacks. IEEE Systems Journal, 2022, 16, 603-613.	4.6	5
7	Fixed-Time Terminal Angle-Constrained Cooperative Guidance Law Against Maneuvering Target. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 1352-1366.	4.7	26
8	Nonlinear Impact Angle Constrained Guidance Law Design via the SDRE Method. Lecture Notes in Electrical Engineering, 2022, , 1229-1238.	0.4	0
9	Impact time and angle constrained guidance via range-based line-of-sight shaping. International Journal of Robust and Nonlinear Control, 2022, 32, 3606-3624.	3.7	8
10	Cooperative Circular Guidance with Nonuniform Field-of-View Constraints. Journal of Guidance, Control, and Dynamics, 2022, 45, 1435-1450.	2.8	7
11	Impact-Angle-Constrained Cooperative Guidance for Salvo Attack. Journal of Guidance, Control, and Dynamics, 2022, 45, 684-703.	2.8	23
12	Unified Method for Field-of-View-Limited Homing Guidance. Journal of Guidance, Control, and Dynamics, 2022, 45, 1415-1434.	2.8	13
13	Consensus Control of Multi-Agent Systems Based on Adaptive Disturbance Observer. , 2022, , .		0
14	A Reconnaissance Penetration Game With Territorial-Constrained Defender. IEEE Transactions on Automatic Control, 2022, 67, 6295-6302.	5.7	4
15	Impulsive Consensus of Fractional-Order Takagi-Sugeno Fuzzy Multiagent Systems With Average Dwell Time Approach and Its Applications: Achieving Finite-Time Consensus. IEEE Systems, Man, and Cybernetics Magazine, 2022, 8, 41-50.	1.4	3
16	Predictive Descriptor Observer Design for a Class of Linear Time-Invariant Systems With Applications to Quadrotor Trajectory Tracking. IEEE Transactions on Industrial Electronics, 2021, 68, 10019-10028.	7.9	16
17	Particle Filtering for Nonlinear/Non-Gaussian Systems With Energy Harvesting Sensors Subject to Randomly Occurring Sensor Saturations. IEEE Transactions on Signal Processing, 2021, 69, 15-27.	5.3	20
18	disturbance attenuation for a class of Lipschitz nonlinear systems with large input delay. International Journal of Robust and Nonlinear Control, 2021, 31, 873-886.	3.7	2

#	ARTICLE	IF	CITATIONS
19	Joint Resource Allocation and 3D Aerial Trajectory Design for Video Streaming in UAV Communication Systems. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3227-3241.	8.3	21
20	Distributed Auxiliary Particle Filtering With Diffusion Strategy for Target Tracking: A Dynamic Event-Triggered Approach. IEEE Transactions on Signal Processing, 2021, 69, 328-340.	5.3	25
21	Three-Dimensional Fixed-Time Cooperative Guidance Law With Impact Angle Constraint and Prespecified Impact Time. IEEE Access, 2021, 9, 29755-29763.	4.2	19
22	Robust Cooperative Control of Networked Train Platoons: A Negative-Imaginary Systemsâ€™ Perspective. IEEE Transactions on Control of Network Systems, 2021, 8, 1743-1753.	3.7	17
23	Cooperative Guidance for Multiple Powered Missiles with Constrained Impact and Bounded Speed. Journal of Guidance, Control, and Dynamics, 2021, 44, 825-841.	2.8	29
24	Graphical Minimax Game and Off-Policy Reinforcement Learning for Heterogeneous MASs with Spanning Tree Condition. Research on World Agricultural Economy, 2021, 01, .	1.3	5
25	Guidance Law Design with Fixed-Time Convergent Error Dynamics. Journal of Guidance, Control, and Dynamics, 2021, 44, 1389-1398.	2.8	25
26	Three-Dimensional Nonsingular Cooperative Guidance Law with Different Field-of-View Constraints. Journal of Guidance, Control, and Dynamics, 2021, 44, 2001-2015.	2.8	27
27	Affine formation control for multi-agent systems with prescribed convergence time. Journal of the Franklin Institute, 2021, 358, 7055-7072.	3.4	20
28	Distributed diffusion unscented Kalman filtering based on covariance intersection with intermittent measurements. Automatica, 2021, 132, 109769.	5.0	17
29	Impact Time Constrained Cooperative Guidance Law Design via Line-of-Sight Shaping. , 2021, , .		1
30	Three-Dimensional Cooperative Homing Guidance Law with Field-of-View Constraint. Journal of Guidance, Control, and Dynamics, 2020, 43, 389-397.	2.8	42
31	Composite weighted average consensus filtering for space object tracking. Acta Astronautica, 2020, 168, 69-79.	3.2	9
32	Cascade structure predictive observer design for consensus control with applications to UAVs formation flying. Automatica, 2020, 121, 109200.	5.0	52
33	Distributed Cooperative Guidance for Multivehicle Simultaneous Arrival Without Numerical Singularities. Journal of Guidance, Control, and Dynamics, 2020, 43, 1365-1373.	2.8	31
34	Nonlinear Suboptimal Guidance Law With Impact Angle Constraint: An SDRE-Based Approach. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4831-4840.	4.7	33
35	A robust three-dimensional cooperative guidance law against maneuvering target. Journal of the Franklin Institute, 2020, 357, 5735-5752.	3.4	23
36	Remote State Estimation for Jump Markov Nonlinear Systems: A Stochastic Event-Triggered Approach. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
37	Adaptive Affine Formation Maneuver Control of Second-Order Multi-Agent Systems with Disturbances. , 2020, , .		3
38	Robust Formation Control of Train Platoons for Interval Maintaining. , 2020, , .		0
39	Graphical Minimax Game and On-Policy Reinforcement Learning for Consensus of Leaderless Multi-Agent Systems. , 2020, , .		2
40	Consensus Based Cooperative Guidance with a Leader. , 2020, , .		0
41	Event-triggered Consensus Control of Multi-Agent Systems with Undesirable Sensor Signals. , 2020, , .		0
42	Robust safety formation control for multiple unmanned helicopters. , 2020, , .		0
43	Multiple Quadrotors Formation Flying Control Design and Experimental Verification. Unmanned Systems, 2019, 07, 47-54.	3.6	14
44	A variance-constrained approach to event-triggered distributed extended Kalman filtering with multiple fading measurements. International Journal of Robust and Nonlinear Control, 2019, 29, 1558-1576.	3.7	23
45	A modified cooperative proportional navigation guidance law. Journal of the Franklin Institute, 2019, 356, 5692-5705.	3.4	38
46	Dynamic average consensus with topology balancing under a directed graph. International Journal of Robust and Nonlinear Control, 2019, 29, 3014-3026.	3.7	5
47	Evader Cooperative Capture by Multiple Pursuers with Area-Minimization Policy. , 2019, , .		5
48	Cooperative Guidance law under Large Actuator Delay. , 2019, , .		1
49	Full-order sliding mode control for finite-time attitude synchronization of rigid spacecraft with input delay. , 2019, , .		1
50	Aerial cooperative transporting and assembling control using multiple quadrotor-manipulator systems. International Journal of Systems Science, 2018, 49, 662-676.	5.5	18
51	Optimal Cooperative Guidance Law for Salvo Attack: An MPC-Based Consensus Perspective. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2397-2410.	4.7	60
52	Consensus Disturbance Rejection with Delay and Parameter Adaptive Estimation. , 2018, , .		1
53	Event-Triggered Distributed Extended Kalman Filtering with Randomly Occurring Deception Attack: A Variance-Constrained Approach. , 2018, , .		0
54	Nonlinear optimal control with disturbance rejection for asteroid landing. Journal of the Franklin Institute, 2018, 355, 8027-8048.	3.4	5

#	ARTICLE	IF	CITATIONS
55	Composite Weighted Average Consensus Filtering. , 2018, , .		0
56	Output synchronization of multiple FOSMIB power systems. , 2017, , .		0
57	Optimal distributed coordination control of multiple photovoltaic generators in distribution networks. , 2017, , .		0
58	Collision-Free Formation Control for Multiple Quadrotor-Manipulator Systems * *This work is supported by NSFC Grant No.61503025 and Research Fund of Key Laboratory within Ministry of Industry and Information. IFAC-PapersOnLine, 2017, 50, 7923-7928.	0.9	7
59	Formation Control of Multi-UAV Systems using Zeroing Dynamics Method. , 2017, , .		0
60	Cooperative extremum seeking for power availability detection of photovoltaic cluster. , 2017, , .		0
61	Robust cooperative tracking of multiple p-order power integrators. , 2016, , .		0
62	Multi-UAV UWA video surveillance system. , 2016, , .		2
63	MPC-consensus based optimal cooperative guidance law design. , 2016, , .		0
64	Cooperative assembling using multiple robotic manipulators. , 2016, , .		3
65	Feedback-control-aided image stitching using multi-UAV platform. , 2016, , .		3
66	Robust Output Feedback Consensus for Networked Negative-Imaginary Systems. IEEE Transactions on Automatic Control, 2015, 60, 2547-2552.	5.7	71
67	Robust cooperative control of multiple heterogeneous Negative-Imaginary systems. Automatica, 2015, 61, 64-72.	5.0	56
68	A Robust Output Feedback Consensus Protocol for Networked Negative-Imaginary Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2878-2883.	0.4	3
69	Integrated Optimal Formation Control of Multiple Unmanned Aerial Vehicles. IEEE Transactions on Control Systems Technology, 2013, 21, 1731-1744.	5.2	229
70	Optimal consensus algorithm integrated with obstacle avoidance. International Journal of Systems Science, 2013, 44, 166-177.	5.5	26
71	Consensus filter on networked single-integrator system. , 2012, , .		0
72	Hierarchical control of cooperative nonlinear dynamical systems. International Journal of Control, 2012, 85, 1093-1111.	1.9	6

#	ARTICLE	IF	CITATIONS
73	Multi-agent consensus algorithm with obstacle avoidance via optimal control approach. , 2011, , .		4
74	Multi-agent consensus algorithm with obstacle avoidance via optimal control approach. International Journal of Control, 2010, 83, 2606-2621.	1.9	37