

Xiaohua Ge

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72 papers	5,569 citations	32 h-index	74 g-index
97 ext. papers	7,384 ext. citations	6.3 avg, IF	7.1 L-index

#	Paper	IF	Citations
72	Scalable and Resilient Platooning Control of Cooperative Automated Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	6
71	Communication-Constrained Active Suspension Control for Networked In-Wheel Motor-Driven Electric Vehicles with Dynamic Dampers. <i>IEEE Transactions on Intelligent Vehicles</i> , 2022 , 1-1	5	0
70	Resource-Efficient Platooning Control of Connected Automated Vehicles over VANETs. <i>IEEE Transactions on Intelligent Vehicles</i> , 2022 , 1-1	5	2
69	A Soft Short-Circuit Diagnosis Method for Lithium-Ion Battery Packs in Electric Vehicles. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 8572-8581	7.2	1
68	Distributed Resilient Estimator Design for Positive Systems Under Topological Attacks. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3676-3686	10.2	15
67	Finite-Horizon H ₂ Bipartite Consensus Control of Cooperation-Competition Multiagent Systems With Round-Robin Protocols. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3699-3709	10.2	13
66	A novel approach to H ₂ performance analysis of discrete-time networked systems subject to network-induced delays and malicious packet dropouts. <i>Automatica</i> , 2021 , 136, 110010	5.7	12
65	Secure Control of Multi-Agent Systems Against Malicious Attacks: A Brief Survey. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	13
64	Networked Active Suspension Control of In-Wheel Motor Driven Electric Vehicles Under Aperiodic Sampling and Transmission Delays. <i>Communications in Computer and Information Science</i> , 2021 , 274-284	0.3	
63	Sufficient conditions for a class of matrix-valued polynomial inequalities on closed intervals and application to H ₂ filtering for linear systems with time-varying delays. <i>Automatica</i> , 2021 , 125, 109390	5.7	25
62	Decentralized Dynamic Event-Triggered Communication and Active Suspension Control of In-Wheel Motor Driven Electric Vehicles with Dynamic Damping. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 971-986	7	11
61	An Ellipsoidal Set-Membership Approach to Distributed Joint State and Sensor Fault Estimation of Autonomous Ground Vehicles. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1107-1118	7	11
60	On Designing Distributed Prescribed Finite-Time Observers for Strict-Feedback Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4695-4706	10.2	5
59	Dynamic event-triggered scheduling and control for vehicle active suspension over controller area network. <i>Mechanical Systems and Signal Processing</i> , 2021 , 152, 107481	7.8	14
58	Resilient Tracking Control of Networked Control Systems Under Cyber Attacks. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2107-2119	10.2	15
57	Secure Distributed Adaptive Platooning Control of Automated Vehicles Over Vehicular Ad-Hoc Networks Under Denial-of-Service Attacks. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	13
56	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 176-190	7.3	120

55	Dynamic Event-Triggered Scheduling and Platooning Control Co-Design for Automated Vehicles Over Vehicular Ad-Hoc Networks. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 1-16	7	35
54	Distributed Adaptive Fault-Tolerant Control for Heterogeneous Multiagent Systems With Time-Varying Communication Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-11	7.3	1
53	. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 1-15	7	5
52	Event-Based Distributed Adaptive Kalman Filtering With Unknown Covariance of Process Noises. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-13	7.3	5
51	Novel stability criteria for linear time-delay systems using Lyapunov-Krasovskii functionals with a cubic polynomial on time-varying delay. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020 , 1-9	7	18
50	Resilient Distributed Event-Triggered Control of Vehicle Platooning Under DoS Attacks. <i>IFAC-PapersOnLine</i> , 2020 , 53, 1807-1812	0.7	3
49	Distributed guaranteed two-target tracking over heterogeneous sensor networks under bounded noises and adversarial attacks. <i>Information Sciences</i> , 2020 , 535, 187-203	7.7	10
48	Resilient and secure remote monitoring for a class of cyber-physical systems against attacks. <i>Information Sciences</i> , 2020 , 512, 1592-1605	7.7	39
47	Fault-Tolerant Cooperative Control of Multiagent Systems: A Survey of Trends and Methodologies. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 4-17	11.9	52
46	Recursive Filtering of Distributed Cyber-Physical Systems With Attack Detection. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-11	7.3	30
45	Resilient Control Design Based on a Sampled-Data Model for a Class of Networked Control Systems Under Denial-of-Service Attacks. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3616-3626	10.2	126
44	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3112-3125	7.3	132
43	Special Issue on Event-Triggered Control and Filtering of Distributed Networked Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3108-3111	7.3	1
42	H Containment Control of Multiagent Systems Under Event-Triggered Communication Scheduling: The Finite-Horizon Case. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1372-1382	10.2	72
41	Passivity Analysis of Delayed Neural Networks Based on Lyapunov-Krasovskii Functionals With Delay-Dependent Matrices. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 946-956	10.2	27
40	Distributed Event-Triggered Estimation Over Sensor Networks: A Survey. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1306-1320	10.2	198
39	Finite-time containment control for nonlinear multi-agent systems with external disturbances. <i>Information Sciences</i> , 2020 , 512, 338-351	7.7	33
38	Secure Distributed Finite-Time Filtering for Positive Systems Over Sensor Networks Under Deception Attacks. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1220-1229	10.2	64

37	Distributed Cyber Attacks Detection and Recovery Mechanism for Vehicle Platooning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 3821-3834	6.1	32
36	Distributed Krein space-based attack detection over sensor networks under deception attacks. <i>Automatica</i> , 2019 , 109, 108557	5.7	146
35	A Survey on Model-Based Distributed Control and Filtering for Industrial Cyber-Physical Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 2483-2499	11.9	235
34	Networked control systems: a survey of trends and techniques. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2019 , 1-17	7	88
33	Detection of Cyber Attacks on Leader-Following Multi-Agent Systems 2019 ,		1
32	An overview of neuronal state estimation of neural networks with time-varying delays. <i>Information Sciences</i> , 2019 , 478, 83-99	7.7	29
31	A Dynamic Event-Triggered Transmission Scheme for Distributed Set-Membership Estimation Over Wireless Sensor Networks. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 171-183	10.2	238
30	A Threshold-Parameter-Dependent Approach to Designing Distributed Event-Triggered H Consensus Filters Over Sensor Networks. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1148-1159	10.2	136
29	Event-triggered dissipative control for networked stochastic systems under non-uniform sampling. <i>Information Sciences</i> , 2018 , 447, 216-228	7.7	45
28	An Overview of Recent Advances in Event-Triggered Consensus of Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 1110-1123	10.2	529
27	An Overview of Recent Advances in Fixed-Time Cooperative Control of Multiagent Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 2322-2334	11.9	287
26	A survey on security control and attack detection for industrial cyber-physical systems. <i>Neurocomputing</i> , 2018 , 275, 1674-1683	5.4	434
25	A survey on recent advances in distributed sampled-data cooperative control of multi-agent systems. <i>Neurocomputing</i> , 2018 , 275, 1684-1701	5.4	208
24	On asynchronous event-triggered control of decentralized networked systems. <i>Information Sciences</i> , 2018 , 425, 127-139	7.7	32
23	Distributed Attack Detection and Secure Estimation of Networked Cyber-Physical Systems Against False Data Injection Attacks and Jamming Attacks. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2018 , 4, 48-59	2.8	143
22	Achieving Cluster Formation of Multi-Agent Systems Under Aperiodic Sampling and Communication Delays. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 3417-3426	8.9	175
21	An overview of recent developments in Lyapunov-Krasovskii functionals and stability criteria for recurrent neural networks with time-varying delays. <i>Neurocomputing</i> , 2018 , 313, 392-401	5.4	140
20	A Novel Finite-Sum Inequality-Based Method for Robust H_∞ Control of Uncertain Discrete-Time Takagi-Sugeno Fuzzy Systems With Interval-Like Time-Varying Delays. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 2569-2582	10.2	26

19	Robust event-triggered ($\{\varvec{H}\}_{\{\varvec{H}\}_{\infty}}\}$) controller design for vehicle active suspension systems. <i>Nonlinear Dynamics</i> , 2018 , 94, 627-638	5	23
18	Distributed networked control systems: A brief overview. <i>Information Sciences</i> , 2017 , 380, 117-131	7.7	367
17	Consensus of Multiagent Systems Subject to Partially Accessible and Overlapping Markovian Network Topologies. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 1807-1819	10.2	158
16	Distributed Formation Control of Networked Multi-Agent Systems Using a Dynamic Event-Triggered Communication Mechanism. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 8118-8127	8.9	324
15	Cluster and local mode-dependent filtering for distributed Markovian jump systems in lossy multi-sensor networks. <i>IET Signal Processing</i> , 2017 , 11, 295-303	1.7	2
14	Distributed Secure Estimation Over Wireless Sensor Networks Against Random Multichannel Jamming Attacks. <i>IEEE Access</i> , 2017 , 5, 10858-10870	3.5	32
13	Event-Based Set-Membership Leader-Following Consensus of Networked Multi-Agent Systems Subject to Limited Communication Resources and Unknown-But-Bounded Noise. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5045-5054	8.9	156
12	Distributed sampled-data asynchronous H ∞ filtering of Markovian jump linear systems over sensor networks. <i>Signal Processing</i> , 2016 , 127, 86-99	4.4	44
11	A brief survey of recent advances in consensus of sampled-data multi-agent systems 2016 ,		2
10	Distributed H ∞ filtering over sensor networks with heterogeneous Markovian coupling intercommunication delays. <i>IET Control Theory and Applications</i> , 2015 , 9, 82-90	2.5	29
9	Distributed event-triggered . <i>Information Sciences</i> , 2015 , 291, 128-142	7.7	204
8	On designing overlapping group mode-dependent H ∞ controllers of discrete-time Markovian jump linear systems with incomplete mode transition probabilities. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 3641-3660	3.6	6
7	Distributed H ∞ filtering of discrete-time linear systems over sensor networks with event-triggered communication 2015 ,		1
6	Distributed fault detection over sensor networks with Markovian switching topologies. <i>International Journal of General Systems</i> , 2014 , 43, 305-318	2.1	53
5	Comments and an improved result on B stability analysis for continuous system with additive time-varying delays: A less conservative result. <i>Applied Mathematics and Computation</i> , 2014 , 241, 42-46	2.7	21
4	Sampled-data H ∞ filtering of Takagi-Sugeno fuzzy systems with interval time-varying delays. <i>Journal of the Franklin Institute</i> , 2014 , 351, 2515-2542	4	41
3	The construction of augmented Lyapunov-Krasovskii functionals and the estimation of their derivatives in stability analysis of time-delay systems: a survey. <i>International Journal of Systems Science</i> , 2014 , 45, 1-16	2.3	7
2	Neural-network-based control for discrete-time nonlinear systems with denial-of-service attack: The adaptive event-triggered case. <i>International Journal of Robust and Nonlinear Control</i> ,	3.6	24

1	Dynamic Event-triggered Control and Estimation: A Survey. <i>International Journal of Automation and Computing</i> ,1	3.5	18
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