

Yuan Fan

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.

47
papers

1,147
citations

13
h-index

33
g-index

88
ext. papers

1,576
ext. citations

3.6
avg, IF

4.81
L-index

#	Paper	IF	Citations
47	New convergence analysis of coverage control on a circle subject to unknown but bounded measurement errors. <i>Automatica</i> , 2022 , 110216	5.7	
46	Dynamic Event-triggered Approximate Optimal Control Strategy for Nonlinear Systems. <i>International Journal of Control, Automation and Systems</i> , 2022 , 20, 1418-1427	2.9	0
45	Distributed solving Sylvester equations with fractional order dynamics. <i>Control Theory and Technology</i> , 2021 , 19, 249-259	1	1
44	Finite-Time Coverage Control for Multiagent Systems With Unidirectional Motion on a Closed Curve. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3071-3078	10.2	1
43	Dynamic Control Approach for Network Systems under Event-triggered Communication with Dual Triggers. <i>International Journal of Control, Automation and Systems</i> , 2021 , 19, 3666	2.9	0
42	Coverage control for heterogeneous mobile sensor networks with bounded position measurement errors. <i>Automatica</i> , 2020 , 120, 109118	5.7	5
41	Sampling-based Event-triggered and Self-triggered Control for Linear Systems. <i>International Journal of Control, Automation and Systems</i> , 2020 , 18, 672-681	2.9	4
40	Event-triggered Coordination Control for Multi-agent Systems with Connectivity Preservation. <i>International Journal of Control, Automation and Systems</i> , 2020 , 18, 966-979	2.9	7
39	Coverage control for mobile sensor networks with time-varying communication delays on a closed curve. <i>Journal of the Franklin Institute</i> , 2020 , 357, 12109-12124	4	5
38	Observer-Based Event-Triggered Optimal Control for Linear Systems 2019 ,		1
37	Optimized Event-Triggered and Self-Triggered Control for Linear Systems 2019 ,		1
36	Optimized Control for Exoskeleton for Lower Limb Rehabilitation with Uncertainty 2019 ,		1
35	Event-Triggered and Self-Triggered Control for Linear System Based on New Event Condition 2019 ,		2
34	Coverage control for mobile sensor networks with limited communication ranges on a circle. <i>Automatica</i> , 2018 , 92, 155-161	5.7	21
33	Authors' reply to comments on Distributed event-triggered control of multi-agent systems with combinational measurements. <i>Automatica</i> , 2018 , 92, 266	5.7	
32	Centralized dynamic event-triggered control for multi-agent systems 2018 ,		1
31	Quantized feedback control based on event-triggered observer 2018 ,		1

30	Consensus of multi-agent systems by distributed self-triggered control 2018 ,		1
29	Observer-based Output-feedback Control for Uncertain Linear Systems with Event-triggered 2018 ,		1
28	Multi-Agent Tracking Control with Dynamic Leader Based on Event-Triggered Control 2018 ,		2
27	Sampling-based self-triggered coordination control for multi-agent systems with application to distributed generators. <i>International Journal of Systems Science</i> , 2018 , 49, 3048-3062	2.3	13
26	Distributed Reactive Power Sharing Control for Microgrids With Event-Triggered Communication. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 118-128	4.8	111
25	Sampling-based event-triggered control for distributed generators 2017 ,		2
24	Distributed event-triggered control with dynamic triggering mechanisms for multi-agent systems 2017 ,		3
23	Multi-agent rendezvous control based on event-triggered mechanism 2017 ,		1
22	Dynamical Event-Triggered Consensus Control for Second-Order Multi-Agent Systems 2017 ,		2
21	Subspace-based continuous-time identification of fractional order systems from non-uniformly sampled data. <i>International Journal of Systems Science</i> , 2016 , 47, 122-134	2.3	22
20	Graph-balancing algorithms for average consensus over directed networks. <i>International Journal of Systems Science</i> , 2016 , 47, 135-148	2.3	3
19	Hybrid triggering control for average consensus of multi-agent systems 2016 ,		1
18	Sampling-based event-triggered consensus for multi-agent systems. <i>Neurocomputing</i> , 2016 , 191, 141-147	5.4	45
17	Average consensus of multi-agent systems with self-triggered controllers. <i>Neurocomputing</i> , 2016 , 177, 33-39	5.4	17
16	Control of Networked Systems with Engineering Applications. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-2	1.1	
15	Self-Triggered Consensus for Multi-Agent Systems With Zeno-Free Triggers. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 2779-2784	5.9	190
14	Centralized event-triggered control of multi-agent systems with dynamic triggering mechanisms 2015 ,		7
13	Connectivity-preserving rendezvous of multi-agent systems with event-triggered controllers 2015 ,		2

12	Suboptimal Event-Triggered Consensus of Multiagent Systems. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-8	0.7	1
11	On event-triggered algorithm design for distributed coordination of multi-agent systems 2014 ,		1
10	Distributed event-triggered control of multi-agent systems with combinational measurements. <i>Automatica</i> , 2013 , 49, 671-675	5.7	501
9	Persistent awareness coverage with maximum coverage frequency for mobile sensor networks 2013 ,		3
8	Event-triggered control of multi-agent systems with suboptimal triggering 2013 ,		1
7	Virtual neighbor based connectivity preserving of multi-agent systems with bounded control inputs in the presence of unreliable communication links. <i>Automatica</i> , 2013 , 49, 1261-1267	5.7	33
6	Rendezvous of mobile agents with constrained energy and intermittent communication. <i>IET Control Theory and Applications</i> , 2012 , 6, 1557-1563	2.5	13
5	Bounded control for preserving connectivity of multi-agent systems using the constraint function approach. <i>IET Control Theory and Applications</i> , 2012 , 6, 1752	2.5	10
4	A novel approach to coordination of multiple robots with communication failures via proximity graph. <i>Automatica</i> , 2011 , 47, 1800-1805	5.7	33
3	Decentralized adaptive awareness coverage control for multi-agent networks. <i>Automatica</i> , 2011 , 47, 2749-2756	5.7	50
2	Combination framework of rendezvous algorithm for multi-agent systems with limited sensing ranges. <i>Asian Journal of Control</i> , 2011 , 13, 283-294	1.7	21
1	Weight balance for directed networks: Conditions and algorithms 2010 ,		2