

# Yong Xu

## 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.

87  
papers

3,220  
citations

30  
h-index

55  
g-index

96  
ext. papers

4,016  
ext. citations

5.9  
avg, IF

6.32  
L-index

#	Paper	IF	Citations
87	Optimal sensor scheduling for remote state estimation with limited bandwidth: a deep reinforcement learning approach. <i>Information Sciences</i> , <b>2022</b> , 588, 279-292	7.7	1
86	Distributed Extended State Estimation for Complex Networks With Nonlinear Uncertainty.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	2
85	Distributed Newton Optimization with Maximized Convergence Rate. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	2
84	A Novel Fixed-Time Protocol for First-Order Consensus Tracking with Disturbance Rejection. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	2
83	Saturated Threshold Event-Triggered Control for Multiagent Systems Under Sensor Attacks and Its Application to UAVs. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2021</b> , 1-12	3.9	7
82	. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	
81	Finite-time synchronization for periodic TB fuzzy master-slave neural networks with distributed delays. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 358, 2367-2381	4	5
80	Partial-Nodes-Based State Estimation for Complex Networks With Constrained Bit Rate. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2021</b> , 8, 1887-1899	4.9	4
79	Finite-Time Consensus Tracking Neural Network FTC of Multi-Agent Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 653-662	10.3	73
78	Distributed Kalman Filter for Large-Scale Power Systems With State Inequality Constraints. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 6238-6247	8.9	3
77	Distributed H State Estimator Design for Time-Delay Periodic Systems Over Scheduling Sensor Networks. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 462-472	10.2	12
76	Quasi-Synchronization for Periodic Neural Networks With Asynchronous Target and Constrained Information. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 4379-4388	7.3	15
75	Event-Triggered Guaranteed Cost Leader-Following Consensus Control of Second-Order Nonlinear Multiagent Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-10	7.3	9
74	Event-triggered guaranteed cost fault-tolerant optimal tracking control for uncertain nonlinear system via adaptive dynamic programming. <i>International Journal of Robust and Nonlinear Control</i> , <b>2021</b> , 31, 2572-2592	3.6	8
73	Secure Finite-Horizon Consensus Control of Multiagent Systems Against Cyber Attacks. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	3
72	Delay Robustness of PID Control of Second-Order Systems: Pseudo-Concavity, Exact Delay Margin, and Performance Trade-Off. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	2
71	Distributed H Filtering of nonlinear systems with random topology by an event-triggered protocol. <i>Science China Information Sciences</i> , <b>2021</b> , 64, 1	3.4	2

70	Adaptive consensus tracking of multi-robotic systems via using integral sliding mode control. <i>Neurocomputing</i> , <b>2021</b> , 455, 154-162	5.4	3
69	Adaptive Attitude Control for Multi-MUAV Systems With Output Dead-Zone and Actuator Fault. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2021</b> , 8, 1567-1575	7	29
68	Reset Moving Horizon Estimation for Quantized Discrete Time Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 4199-4205	5.9	13
67	Reliable impulsive synchronization for fuzzy neural networks with mixed controllers. <i>Neural Networks</i> , <b>2021</b> , 143, 759-766	9.1	2
66	Quasisynchronization for Neural Networks With Partial Constrained State Information via Intermittent Control Approach. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	4
65	State Estimation for Networked Systems With Markov Driven Transmission and Buffer Constraint. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-8	7.3	9
64	Adaptive neural control for multiagent systems with asymmetric time-varying state constraints and input saturation. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 4764-4778	3.6	5
63	Nonfragile Finite-Time Synchronization for Coupled Neural Networks With Impulsive Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 4980-4989	10.3	13
62	Adaptive Fixed-Time Control of Error-Constrained Pure-Feedback Interconnected Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-12	7.3	38
61	Distributed Sliding-Mode Tracking Control of Second-Order Nonlinear Multiagent Systems: An Event-Triggered Approach. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 3892-3902	10.2	92
60	Human-in-the-loop consensus control for nonlinear multi-agent systems with actuator faults. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2020</b> , 1-12	7	64
59	Observer-Based Impulsive Synchronization for Neural Networks With Uncertain Exchanging Information. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 3777-3787	10.3	15
58	Quasi-Synchronization of Time Delay Markovian Jump Neural Networks With Impulsive-Driven Transmission and Fading Channels. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 4121-4131	10.2	30
57	Synchronization for Markovian coupled neural networks with partial mode observation: The finite-time case. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 12767-12786	4	2
56	Optimal Estimation for Discrete-Time Linear System with Communication Constraints and Measurement Quantization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 1932-1942	7.3	24
55	Finite-Horizon $H_\infty$ State Estimation for Time-Varying Neural Networks with Periodic Inner Coupling and Measurements Scheduling. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 211-219	7.3	22
54	Robust Distributed $H_\infty$ State Estimation for Stochastic Periodic Systems Over Constraint Sensor Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 4396-4407	7.3	5
53	Event-Triggered Consensus Control for Multi-Agent Systems Against False Data-Injection Attacks. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1856-1866	10.2	130

52	Performance Recovery of Dynamic Feedback-Linearization Methods for Multivariable Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 1365-1380	5.9	25
51	Finite-Horizon H State Estimation for Periodic Neural Networks Over Fading Channels. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 1450-1460	10.3	50
50	Synchronization Control for Network Systems With Communication Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 3150-3160	10.3	10
49	Supervised Discriminative Sparse PCA for Com-Characteristic Gene Selection and Tumor Classification on Multiview Biological Data. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 2926-2937	10.3	24
48	Dual Graph-Laplacian PCA: A Closed-Form Solution for Bi-Clustering to Find "Checkerboard" Structures on Gene Expression Data. <i>IEEE Access</i> , <b>2019</b> , 7, 151329-151338	3.5	6
47	Trajectory Tracking With Constrained Sensors and Unreliable Communication Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 184866-184874	3.5	
46	Exact Computation of Delay Margin by PID Control: It Suffices to Solve a Unimodal Problem! <b>2019</b> ,		6
45	Synchronization analysis of network systems applying sampled-data controller with time-delay via the Bessel-Legendre inequality. <i>Neurocomputing</i> , <b>2019</b> , 331, 346-355	5.4	5
44	Adaptive Neural Network Tracking Control for Robotic Manipulators With Dead Zone. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 3611-3620	10.3	181
43	Finite-Horizon l-l Synchronization for Time-Varying Markovian Jump Neural Networks Under Mixed-Type Attacks: Observer-Based Case. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 1695-1704	10.3	35
42	Reliable Control Against Sensor Failures for Markov Jump Systems With Unideal Measurements. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 308-316	7.3	31
41	Remote Estimator Design for Time-Delay Neural Networks Using Communication State Information. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 5149-5158	10.3	22
40	Sampled-Data Control of Network Systems in Industrial Manufacturing. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 9016-9024	8.9	56
39	Finite-time control for periodic systems with Markov jump sensor nonlinearities and random input gains. <i>Journal of the Franklin Institute</i> , <b>2018</b> , 355, 4097-4110	4	2
38	Event-triggered H <sub>∞</sub> filter design for Markovian jump systems with quantization. <i>Nonlinear Analysis: Hybrid Systems</i> , <b>2018</b> , 28, 23-41	4.5	37
37	Implementation of the load frequency control by two approaches: variable gain super-twisting algorithm and super-twisting-like algorithm. <i>Nonlinear Dynamics</i> , <b>2018</b> , 93, 1073-1086	5	3
36	Stability and stabilization of periodic piecewise linear systems: A matrix polynomial approach. <i>Automatica</i> , <b>2018</b> , 94, 1-8	5.7	58
35	Synchronization of General Chaotic Neural Networks With Nonuniform Sampling and Packet Missing: A Switched System Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 523-533	10.3	59

34	Decoupled ARX and RBF Neural Network Modeling Using PCA and GA Optimization for Nonlinear Distributed Parameter Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 457-469	10.3	35
33	Finite-Time Distributed State Estimation Over Sensor Networks With Round-Robin Protocol and Fading Channels. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 336-345	10.2	184
32	Dissipativity-Based Resilient Filtering of Periodic Markovian Jump Neural Networks With Quantized Measurements. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 1888-1899	10.3	53
31	Filtering for Fuzzy Systems With Multiplicative Sensor Noises and Multidensity Quantizer. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 1011-1022	8.3	30
30	Robust Estimation for Neural Networks With Randomly Occurring Distributed Delays and Markovian Jump Coupling. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 845-855	10.3	98
29	State Estimation for Periodic Neural Networks With Uncertain Weight Matrices and Markovian Jump Channel States. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2018</b> , 48, 1841-1850	7.3	42
28	Sliding mode control for state-delayed Markov jump systems with partly unknown transition probabilities. <i>Nonlinear Dynamics</i> , <b>2018</b> , 91, 475-486	5	19
27	State estimation for neural networks with jumping interval weight matrices and transmission delays. <i>Neurocomputing</i> , <b>2018</b> , 275, 909-915	5.4	1
26	Robust state estimation for discrete time systems with colored noises and communication constraints. <i>Journal of the Franklin Institute</i> , <b>2018</b> , 355, 5790-5810	4	4
25	Passive state estimator design for Markovian complex networks with polytopic sensor failures. <i>Neurocomputing</i> , <b>2018</b> , 307, 205-212	5.4	8
24	Adaptive sliding mode controller design of Markov jump systems with time-varying actuator faults and partly unknown transition probabilities. <i>Nonlinear Analysis: Hybrid Systems</i> , <b>2018</b> , 28, 105-122	4.5	20
23	Dissipative non-fragile state estimation for Markovian complex networks with coupling transmission delays. <i>Neurocomputing</i> , <b>2018</b> , 275, 1576-1584	5.4	11
22	Robust estimator design for periodic neural networks with polytopic uncertain weight matrices and randomly occurred sensor nonlinearities. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 1299-1305	2.5	1
21	Asynchronous Dissipative State Estimation for Stochastic Complex Networks With Quantized Jumping Coupling and Uncertain Measurements. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 268-277	10.3	181
20	Finite-Time State Estimation for Coupled Markovian Neural Networks With Sensor Nonlinearities. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 630-638	10.3	72
19	Output Synchronization of Nonidentical Linear Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 130-141	10.2	27
18	Robust H <sub>∞</sub> Filtering for Markov jump systems with mode-dependent quantized output and partly unknown transition probabilities. <i>Signal Processing</i> , <b>2017</b> , 137, 328-338	4.4	52
17	Adaptive Fuzzy Control for Nonstrict Feedback Systems With Unmodeled Dynamics and Fuzzy Dead Zone via Output Feedback. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2400-2412	10.2	109

16	Adaptive output synchronization of heterogeneous network with an uncertain leader. <i>Automatica</i> , <b>2017</b> , 76, 183-192	5.7	108
15	Quantized fuzzy passification for nonlinear systems with Markov-based transmission delays. <i>Journal of the Franklin Institute</i> , <b>2017</b> , 354, 1875-1891	4	2
14	Observer-based sliding mode control of Markov jump systems with random sensor delays and partly unknown transition rates. <i>International Journal of Systems Science</i> , <b>2017</b> , 48, 2985-2996	2.3	3
13	An input-based triggering approach to leader-following problems. <i>Automatica</i> , <b>2017</b> , 75, 221-228	5.7	126
12	Passivity-Based Asynchronous Control for Markov Jump Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 2020-2025	5.9	321
11	Adaptive sliding mode control of switched systems with different input matrix. <i>International Journal of Control, Automation and Systems</i> , <b>2017</b> , 15, 2500-2506	2.9	9
10	Passive filter design for periodic stochastic systems with quantized measurements and randomly occurring nonlinearities. <i>Journal of the Franklin Institute</i> , <b>2016</b> , 353, 144-159	4	10
9	Nonfragile asynchronous control for fuzzy Markov jump systems with packet dropouts. <i>Neurocomputing</i> , <b>2016</b> , 175, 443-449	5.4	17
8	A New Design of Model Predictive Tracking Control for Networked Control System Under Random Packet Loss and Uncertainties. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 6999-7007	8.9	80
7	State estimation for complex networks with randomly varying nonlinearities and sensor failures. <i>Complexity</i> , <b>2016</b> , 21, 507-517	1.6	1
6	Passivity-based non-fragile control for Markovian jump systems with aperiodic sampling. <i>Systems and Control Letters</i> , <b>2015</b> , 84, 35-43	2.4	85
5	Robust H <sub>∞</sub> filtering for networked stochastic systems with randomly occurring sensor nonlinearities and packet dropouts. <i>Signal Processing</i> , <b>2013</b> , 93, 1794-1803	4.4	47
4	Stability analysis of networked control systems with round-robin scheduling and packet dropouts. <i>Journal of the Franklin Institute</i> , <b>2013</b> , 350, 2013-2027	4	49
3	Networked Control With State Reset and Quantized Measurements: Observer-Based Case. <i>IEEE Transactions on Industrial Electronics</i> , <b>2013</b> , 60, 5206-5213	8.9	138
2	Event-Triggered Adaptive Neural Control for Multiagent Systems with Deferred State Constraints. <i>Journal of Systems Science and Complexity</i> , 1	1	1
1	Distributed Event-Triggered Formation Control of USVs with Prescribed Performance. <i>Journal of Systems Science and Complexity</i> , 1	1	16