

# Yong Xu

## List of Publications by Year in descending order

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96  
papers

4,878  
citations

94381

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95218

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all docs

96  
docs citations

96  
times ranked

2601  
citing authors

#	ARTICLE	IF	CITATIONS
1	Passivity-Based Asynchronous Control for Markov Jump Systems. IEEE Transactions on Automatic Control, 2017, 62, 2020-2025.	3.6	448
2	Adaptive Neural Network Tracking Control for Robotic Manipulators With Dead Zone. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3611-3620.	7.2	284
3	Event-Triggered Consensus Control for Multi-Agent Systems Against False Data-Injection Attacks. IEEE Transactions on Cybernetics, 2020, 50, 1856-1866.	6.2	239
4	Finite-Time Distributed State Estimation Over Sensor Networks With Round-Robin Protocol and Fading Channels. IEEE Transactions on Cybernetics, 2018, 48, 336-345.	6.2	229
5	Asynchronous Dissipative State Estimation for Stochastic Complex Networks With Quantized Jumping Coupling and Uncertain Measurements. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 268-277.	7.2	211
6	Distributed Sliding-Mode Tracking Control of Second-Order Nonlinear Multiagent Systems: An Event-Triggered Approach. IEEE Transactions on Cybernetics, 2020, 50, 3892-3902.	6.2	170
7	Finite-Time Consensus Tracking Neural Network FTC of Multi-Agent Systems. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 653-662.	7.2	166
8	Networked Control With State Reset and Quantized Measurements: Observer-Based Case. IEEE Transactions on Industrial Electronics, 2013, 60, 5206-5213.	5.2	151
9	An input-based triggering approach to leader-following problems. Automatica, 2017, 75, 221-228.	3.0	142
10	Adaptive output synchronization of heterogeneous network with an uncertain leader. Automatica, 2017, 76, 183-192.	3.0	135
11	Adaptive Fuzzy Control for Nonstrict Feedback Systems With Unmodeled Dynamics and Fuzzy Dead Zone via Output Feedback. IEEE Transactions on Cybernetics, 2017, 47, 2400-2412.	6.2	134
12	Human-in-the-Loop Consensus Control for Nonlinear Multi-Agent Systems With Actuator Faults. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 111-122.	8.5	127
13	Robust Estimation for Neural Networks With Randomly Occurring Distributed Delays and Markovian Jump Coupling. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 845-855.	7.2	112
14	A New Design of Model Predictive Tracking Control for Networked Control System Under Random Packet Loss and Uncertainties. IEEE Transactions on Industrial Electronics, 2016, 63, 6999-7007.	5.2	104
15	Passivity-based non-fragile control for Markovian jump systems with aperiodic sampling. Systems and Control Letters, 2015, 84, 35-43.	1.3	100
16	Finite-Time State Estimation for Coupled Markovian Neural Networks With Sensor Nonlinearities. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 630-638.	7.2	93
17	Adaptive Fixed-Time Control of Error-Constrained Pure-Feedback Interconnected Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6369-6380.	5.9	90
18	Synchronization of General Chaotic Neural Networks With Nonuniform Sampling and Packet Missing: A Switched System Approach. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 523-533.	7.2	81

#	ARTICLE	IF	CITATIONS
19	Stability and stabilization of periodic piecewise linear systems: A matrix polynomial approach. Automatica, 2018, 94, 1-8.	3.0	76
20	Stability analysis of networked control systems with round-robin scheduling and packet dropouts. Journal of the Franklin Institute, 2013, 350, 2013-2027.	1.9	69
21	Dissipativity-Based Resilient Filtering of Periodic Markovian Jump Neural Networks With Quantized Measurements. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1888-1899.	7.2	66
22	Event-triggered $H_\infty$ filtering for Markovian jump systems with quantization. Nonlinear Analysis: Hybrid Systems, 2018, 28, 23-41.	2.1	64
23	Sampled-Data Control of Network Systems in Industrial Manufacturing. IEEE Transactions on Industrial Electronics, 2018, 65, 9016-9024.	5.2	63
24	Finite-Horizon $H_\infty$ State Estimation for Periodic Neural Networks Over Fading Channels. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1450-1460.	7.2	60
25	Robust $H_\infty$ filtering for Markov jump systems with mode-dependent quantized output and partly unknown transition probabilities. Signal Processing, 2017, 137, 328-338.	2.1	59
26	Finite-Horizon $H_2$ Synchronization for Time-Varying Markovian Jump Neural Networks Under Mixed-Type Attacks: Observer-Based Case. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1695-1704.	7.2	59
27	Performance Recovery of Dynamic Feedback-Linearization Methods for Multivariable Nonlinear Systems. IEEE Transactions on Automatic Control, 2020, 65, 1365-1380.	3.6	56
28	Robust $H_\infty$ filtering for networked stochastic systems with randomly occurring sensor nonlinearities and packet dropouts. Signal Processing, 2013, 93, 1794-1803.	2.1	55
29	Adaptive Attitude Control for Multi-MUAV Systems With Output Dead-Zone and Actuator Fault. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1567-1575.	8.5	52
30	Decoupled ARX and RBF Neural Network Modeling Using PCA and GA Optimization for Nonlinear Distributed Parameter Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 457-469.	7.2	50
31	Distributed Event-Triggered Formation Control of USVs with Prescribed Performance. Journal of Systems Science and Complexity, 2022, 35, 820-838.	1.6	50
32	State Estimation for Periodic Neural Networks With Uncertain Weight Matrices and Markovian Jump Channel States. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1841-1850.	5.9	48
33	Quasi-Synchronization of Time Delay Markovian Jump Neural Networks With Impulsive-Driven Transmission and Fading Channels. IEEE Transactions on Cybernetics, 2020, 50, 4121-4131.	6.2	47
34	Event-Triggered Guaranteed Cost Leader-Following Consensus Control of Second-Order Nonlinear Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2615-2624.	5.9	45
35	Supervised Discriminative Sparse PCA for Com-Characteristic Gene Selection and Tumor Classification on Multiview Biological Data. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2926-2937.	7.2	42
36	Reliable Control Against Sensor Failures for Markov Jump Systems With Unideal Measurements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 308-316.	5.9	41

#	ARTICLE	IF	CITATIONS
37	Optimal Estimation for Discrete-Time Linear System with Communication Constraints and Measurement Quantization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1932-1942.	5.9	40
38	Output Synchronization of Nonidentical Linear Multiagent Systems. IEEE Transactions on Cybernetics, 2017, 47, 130-141.	6.2	37
39	Filtering for Fuzzy Systems With Multiplicative Sensor Noises and Multidensity Quantizer. IEEE Transactions on Fuzzy Systems, 2018, 26, 1011-1022.	6.5	35
40	Reset Moving Horizon Estimation for Quantized Discrete Time Systems. IEEE Transactions on Automatic Control, 2021, 66, 4199-4205.	3.6	34
41	A Novel Fixed-Time Protocol for First-Order Consensus Tracking With Disturbance Rejection. IEEE Transactions on Automatic Control, 2022, 67, 6180-6186.	3.6	33
42	Distributed $H_{\infty}$ State Estimator Design for Time-Delay Periodic Systems Over Scheduling Sensor Networks. IEEE Transactions on Cybernetics, 2021, 51, 462-472.	6.2	31
43	Event-triggered guaranteed cost fault-tolerant optimal tracking control for uncertain nonlinear system via adaptive dynamic programming. International Journal of Robust and Nonlinear Control, 2021, 31, 2572-2592.	2.1	31
44	Adaptive sliding mode controller design of Markov jump systems with time-varying actuator faults and partly unknown transition probabilities. Nonlinear Analysis: Hybrid Systems, 2018, 28, 105-122.	2.1	30
45	Finite-Horizon $H_{\infty}$ State Estimation for Time-Varying Neural Networks with Periodic Inner Coupling and Measurements Scheduling. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 211-219.	5.9	30
46	Nonfragile Finite-Time Synchronization for Coupled Neural Networks With Impulsive Approach. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4980-4989.	7.2	29
47	Saturated Threshold Event-Triggered Control for Multiagent Systems Under Sensor Attacks and Its Application to UAVs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 884-895.	3.5	29
48	Quasi-Synchronization for Periodic Neural Networks With Asynchronous Target and Constrained Information. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4379-4388.	5.9	26
49	Remote Estimator Design for Time-Delay Neural Networks Using Communication State Information. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5149-5158.	7.2	25
50	Sliding mode control for state-delayed Markov jump systems with partly unknown transition probabilities. Nonlinear Dynamics, 2018, 91, 475-486.	2.7	25
51	Nonfragile asynchronous control for fuzzy Markov jump systems with packet dropouts. Neurocomputing, 2016, 175, 443-449.	3.5	24
52	Observer-Based Impulsive Synchronization for Neural Networks With Uncertain Exchanging Information. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3777-3787.	7.2	24
53	State Estimation for Networked Systems With Markov Driven Transmission and Buffer Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7727-7734.	5.9	24
54	Partial-Nodes-Based State Estimation for Complex Networks With Constrained Bit Rate. IEEE Transactions on Network Science and Engineering, 2021, 8, 1887-1899.	4.1	24

#	ARTICLE	IF	CITATIONS
55	Distributed Extended State Estimation for Complex Networks With Nonlinear Uncertainty. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5952-5960.	7.2	19
56	Synchronization Control for Network Systems With Communication Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3150-3160.	7.2	18
57	Dissipative non-fragile state estimation for Markovian complex networks with coupling transmission delays. Neurocomputing, 2018, 275, 1576-1584.	3.5	17
58	Adaptive neural control for multiagent systems with asymmetric time-varying state constraints and input saturation. International Journal of Robust and Nonlinear Control, 2020, 30, 4764-4778.	2.1	17
59	Secure Finite-Horizon Consensus Control of Multiagent Systems Against Cyber Attacks. IEEE Transactions on Cybernetics, 2022, 52, 9230-9239.	6.2	17
60	Quasisynchronization for Neural Networks With Partial Constrained State Information via Intermittent Control Approach. IEEE Transactions on Cybernetics, 2022, 52, 8827-8837.	6.2	17
61	Distributed Kalman Filter for Large-Scale Power Systems With State Inequality Constraints. IEEE Transactions on Industrial Electronics, 2021, 68, 6238-6247.	5.2	14
62	Finite-time synchronization for periodic T&S fuzzy master-slave neural networks with distributed delays. Journal of the Franklin Institute, 2021, 358, 2367-2381.	1.9	14
63	Adaptive consensus tracking of multi-robotic systems via using integral sliding mode control. Neurocomputing, 2021, 455, 154-162.	3.5	14
64	Reliable impulsive synchronization for fuzzy neural networks with mixed controllers. Neural Networks, 2021, 143, 759-766.	3.3	13
65	Passive filter design for periodic stochastic systems with quantized measurements and randomly occurring nonlinearities. Journal of the Franklin Institute, 2016, 353, 144-159.	1.9	12
66	Passive state estimator design for Markovian complex networks with polytopic sensor failures. Neurocomputing, 2018, 307, 205-212.	3.5	11
67	Robust Distributed H <sub>∞</sub> State Estimation for Stochastic Periodic Systems Over Constraint Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4396-4407.	5.9	11
68	Delay Robustness of PID Control of Second-Order Systems: Pseudoconcavity, Exact Delay Margin, and Performance Tradeoff. IEEE Transactions on Automatic Control, 2022, 67, 1194-1209.	3.6	11
69	Optimal sensor scheduling for remote state estimation with limited bandwidth: a deep reinforcement learning approach. Information Sciences, 2022, 588, 279-292.	4.0	11
70	Adaptive sliding mode control of switched systems with different input matrix. International Journal of Control, Automation and Systems, 2017, 15, 2500-2506.	1.6	9
71	Dual Graph-Laplacian PCA: A Closed-Form Solution for Bi-Clustering to Find "Checkerboard" Structures on Gene Expression Data. IEEE Access, 2019, 7, 151329-151338.	2.6	8
72	Exact Computation of Delay Margin by PID Control: It Suffices to Solve a Unimodal Problem!. , 2019, , .		8

#	ARTICLE	IF	CITATIONS
73	Distributed $H_\infty$ filtering of nonlinear systems with random topology by an event-triggered protocol. Science China Information Sciences, 2021, 64, 1.	2.7	8
74	Set-membership filtering for complex networks with constraint communication channels. Neural Networks, 2022, 152, 479-486.	3.3	8
75	Finite-time control for periodic systems with Markov jump sensor nonlinearities and random input gains. Journal of the Franklin Institute, 2018, 355, 4097-4110.	1.9	7
76	Finite-Time Estimation for Markovian BAM Neural Networks With Asymmetrical Mode-Dependent Delays and Inconstant Measurements. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 344-354.	7.2	7
77	Event-Triggered Adaptive Neural Control for Multiagent Systems with Deferred State Constraints. Journal of Systems Science and Complexity, 2022, 35, 973-992.	1.6	7
78	Robust state estimation for discrete time systems with colored noises and communication constraints. Journal of the Franklin Institute, 2018, 355, 5790-5810.	1.9	6
79	Observer-based sliding mode control of Markov jump systems with random sensor delays and partly unknown transition rates. International Journal of Systems Science, 2017, 48, 2985-2996.	3.7	5
80	Synchronization analysis of network systems applying sampled-data controller with time-delay via the Bessel-Legendre inequality. Neurocomputing, 2019, 331, 346-355.	3.5	5
81	Implementation of the load frequency control by two approaches: variable gain super-twisting algorithm and super-twisting-like algorithm. Nonlinear Dynamics, 2018, 93, 1073-1086.	2.7	4
82	Synchronization for Markovian coupled neural networks with partial mode observation: The finite-time case. Journal of the Franklin Institute, 2020, 357, 12767-12786.	1.9	4
83	Cluster Synchronization Control for Discrete-Time Complex Dynamical Networks: When Data Transmission Meets Constrained Bit Rate. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2554-2568.	7.2	4
84	Consensus-based distributed receding horizon estimation. ISA Transactions, 2022, 128, 106-114.	3.1	4
85	Robust estimator design for periodic neural networks with polytopic uncertain weight matrices and randomly occurred sensor nonlinearities. IET Control Theory and Applications, 2018, 12, 1299-1305.	1.2	3
86	Distributed Newton Optimization With Maximized Convergence Rate. IEEE Transactions on Automatic Control, 2022, 67, 5555-5562.	3.6	3
87	Adaptive fault-tolerant containment control for stochastic nonlinear multi-agent systems with input saturation. Optimal Control Applications and Methods, 2023, 44, 1491-1509.	1.3	3
88	Quantized fuzzy passification for nonlinear systems with Markov-based transmission delays. Journal of the Franklin Institute, 2017, 354, 1875-1891.	1.9	2
89	State estimation for neural networks with jumping interval weight matrices and transmission delays. Neurocomputing, 2018, 275, 909-915.	3.5	2
90	An Efficient Algorithm to Determine the Connectivity of Complex Directed Networks. IEEE Transactions on Cybernetics, 2022, 52, 7164-7171.	6.2	2

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91	Intermittent state estimation for nonlinear delay systems with redundant communication channels. International Journal of Robust and Nonlinear Control, 2022, 32, 4614-4630.	2.1	2
92	State estimation for complex networks with randomly varying nonlinearities and sensor failures. Complexity, 2016, 21, 507-517.	0.9	1
93	Trajectory Tracking With Constrained Sensors and Unreliable Communication Networks. IEEE Access, 2019, 7, 184866-184874.	2.6	1
94	Distributed Target Tracking Using Maximum Likelihood Kalman Filter with Non-linear Measurements. IEEE Sensors Journal, 2021, , 1-1.	2.4	0
95	Command-Filter-Based Finite-Time Control for Human-in-the-Loop UAVs With Dead-Zone Inputs. , 2021, , .		0
96	NN-based Fixed-Time Tracking Control for Multi-Agent Systems With Input Delays. , 2021, , .		0