Li Yu

List of Publications by Year
in descending order

88 papers	3,753 citations	109321 35 h-index	128289 60 g-index
88 all docs	88 docs citations	88 times ranked	2295 citing authors

#	Article	IF	Citations
1	Analysis and synthesis of networked control systems: A survey of recent advances and challenges. ISA Transactions, 2017, 66, 376-392.	5.7	326
2	Secure Fusion Estimation for Bandwidth Constrained Cyber-Physical Systems Under Replay Attacks. IEEE Transactions on Cybernetics, 2018, 48, 1862-1876.	9.5	229
3	Multi-rate distributed fusion estimation for sensor networks with packet losses. Automatica, 2012, 48, 2016-2028.	5.0	157
4	Distributed Fusion Estimation With Missing Measurements, Random Transmission Delays and Packet Dropouts. IEEE Transactions on Automatic Control, 2014, 59, 1961-1967.	5.7	141
5	Distributed Dimensionality Reduction Fusion Estimation for Cyber-Physical Systems Under DoS Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 455-468.	9.3	127
6	A robust control approach to stabilization of networked control systems with time-varying delays. Automatica, 2009, 45, 2440-2445.	5.0	100
7	Robust Fuzzy-Model-Based Filtering for Nonlinear Cyber-Physical Systems With Multiple Stochastic Incomplete Measurements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1826-1838.	9.3	96
8	Distributed Control of Large-Scale Networked Control Systems With Communication Constraints and Topology Switching. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1746-1757.	9.3	92
9	Distributed Secure Platoon Control of Connected Vehicles Subject to DoS Attack: Theory and Application. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7269-7278.	9.3	87
10	A switched system approach to H_∞ control of networked control systems with time-varying delays. Journal of the Franklin Institute, 2011, 348, 165-178.	3.4	83
11	Distributed Finite-Horizon Fusion Kalman Filtering for Bandwidth and Energy Constrained Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2014, 62, 797-812.	5.3	83
12	Distributed Covariance Intersection Fusion Estimation for Cyber-Physical Systems With Communication Constraints. IEEE Transactions on Automatic Control, 2016, 61, 4020-4026.	5.7	82
13	Generalized Proportional Integral Observer-Based Robust Finite Control Set Predictive Current Control for Induction Motor Systems with Time-Varying Disturbances. IEEE Transactions on Industrial Informatics, 2018, , 1-1.	11.3	81
14	New results on stabilization of networked control systems with packet disordering. Automatica, 2015, 52, 255-259.	5.0	77
15	Robust Information Fusion Estimator for Multiple Delay-Tolerant Sensors With Different Failure Rates. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 401-414.	5.4	74
16	Cooperative Fault Tolerant Tracking Control for Multiagent Systems: An Intermediate Estimator-Based Approach. IEEE Transactions on Cybernetics, 2018, 48, 2972-2980.	9.5	74
17	Packet-Based State Feedback Control Under DoS Attacks in Cyber-Physical Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1421-1425.	3.0	73
18	Distributed Robust Fusion Estimation With Application to State Monitoring Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2994-3005.	9.3	68

#	ARTICLE	IF	CITATIONS
19	Formation Control of Multiple Mobile Robots Incorporating an Extended State Observer and Distributed Model Predictive Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4587-4597.	9.3	65
20	A New Observer-Based Cooperative Fault-Tolerant Tracking Control Method With Application to Networked Multiaxis Motion Control System. IEEE Transactions on Industrial Electronics, 2021, 68, 7422-7432.	7.9	65
21	Distributed Sampled-Data <formula formulatype="inline"><tex Notation="TeX">${H_infty}$</tex> </formula> Filtering for Sensor Networks With Nonuniform Sampling Periods. IEEE Transactions on Industrial Informatics, 2014, 10, 871-881.	11.3	64
22	Networked fusion kalman filtering with multiple uncertainties. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2232-2249.	4.7	64
23	Distributed Fusion Estimation With Communication Bandwidth Constraints. IEEE Transactions on Automatic Control, 2015, 60, 1398-1403.	5.7	64
24	Active Security Control Approach Against DoS Attacks in Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2021, 66, 4303-4310.	5.7	63
25	Moving Horizon Estimation for Mobile Robots With Multirate Sampling. IEEE Transactions on Industrial Electronics, 2017, 64, 1457-1467.	7.9	62
26	Distributed Mixed H_2/H Fusion Estimation With Limited Communication Capacity. IEEE Transactions on Automatic Control, 2016, 61, 805-810.	5.7	61
27	Distributed Filtering for Discrete-Time Tâ€“S Fuzzy Systems With Incomplete Measurements. IEEE Transactions on Fuzzy Systems, 2018, 26, 1459-1471.	9.8	61
28	Moving Horizon Estimation for Networked Systems With Quantized Measurements and Packet Dropouts. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1823-1834.	5.4	59
29	Distributed Kalman filtering for time-varying discrete sequential systems. Automatica, 2019, 99, 228-236.	5.0	58
30	Multi-Rate Distributed Fusion Estimation for Sensor Network-Based Target Tracking. IEEE Sensors Journal, 2016, 16, 1233-1242.	4.7	52
31	A New Approach to Linear/Nonlinear Distributed Fusion Estimation Problem. IEEE Transactions on Automatic Control, 2019, 64, 1301-1308.	5.7	50
32	Distributed Hâˆž fusion filtering with communication bandwidth constraints. Signal Processing, 2014, 96, 284-289.	3.7	49
33	Distributed H_infty Estimation in Sensor Networks With Two-Channel Stochastic Attacks. IEEE Transactions on Cybernetics, 2020, 50, 465-475.	9.5	49
34	Networked Fusion Estimation With Bounded Noises. IEEE Transactions on Automatic Control, 2017, 62, 5415-5421.	5.7	46
35	Hybrid Sequential Fusion Estimation for Asynchronous Sensor Network-Based Target Tracking. IEEE Transactions on Control Systems Technology, 2017, 25, 669-676.	5.2	44
36	Robust extended recursive least squares identification algorithm for Hammerstein systems with dynamic disturbances. , 2020, 101, 102716.		34

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37	BIBO stability and stabilization of networked control systems with short time-varying delays. International Journal of Robust and Nonlinear Control, 2011, 21, 295-308.	3.7	33
38	Improved Switched System Approach to Networked Control Systems With Time-Varying Delays. IEEE Transactions on Control Systems Technology, 2019, 27, 2711-2717.	5.2	33
39	Sequential Fusion Estimation for RSS-Based Mobile Robots Localization With Event-Driven WSNs. IEEE Transactions on Industrial Informatics, 2016, 12, 1519-1528.	11.3	32
40	Event-Triggered Sliding Mode Control of Power Systems With Communication Delay and Sensor Faults. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 797-807.	5.4	30
41	Fusion-Based FDI Attack Detection in Cyber-Physical Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1487-1491.	3.0	29
42	Intermediate-Variable-Based Estimation for FDI Attacks in Cyber-Physical Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2762-2766.	3.0	29
43	Policy-Based Deep Reinforcement Learning for Visual Servoing Control of Mobile Robots With Visibility Constraints. IEEE Transactions on Industrial Electronics, 2022, 69, 1898-1908.	7.9	28
44	Distributed Data-Driven Intrusion Detection for Sparse Stealthy FDI Attacks in Smart Grids. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 993-997.	3.0	26
45	Contour Tracking Control of Networked Motion Control System Using Improved Equivalent-Input-Disturbance Approach. IEEE Transactions on Industrial Electronics, 2021, 68, 5155-5165.	7.9	25
46	Robust hierarchical identification of Wiener systems in the presence of dynamic disturbances. Journal of the Franklin Institute, 2020, 357, 3809-3834.	3.4	24
47	Robust distributed tracking control for linear multi-agent systems based on distributed intermediate estimator. Journal of the Franklin Institute, 2018, 355, 31-53.	3.4	21
48	Attack and estimator design for multi-sensor systems with undetectable adversary. Automatica, 2019, 109, 108545.	5.0	21
49	Distributed Estimation and Control for Discrete Time-Varying Interconnected Systems. IEEE Transactions on Automatic Control, 2022, 67, 2192-2207.	5.7	20
50	A Robust Control Approach to Stabilization of Networked Control Systems with Short Time-varying Delays. Zidonghua Xuebao/Acta Automatica Sinica, 2010, 36, 87-91.	1.5	19
51	A Linear Active Disturbance Rejection Control Approach to Position Synchronization Control for Networked Interconnected Motion System. IEEE Transactions on Control of Network Systems, 2020, 7, 1746-1756.	3.7	19
52	Robust Predictive Tracking Control for Mobile Robots With Intermittent Measurement and Quantization. IEEE Transactions on Industrial Electronics, 2021, 68, 509-518.	7.9	19
53	Vision-based neural predictive tracking control for multi-manipulator systems with parametric uncertainty. ISA Transactions, 2021, 110, 247-257.	5.7	19
54	Set-Membership Estimation for Complex Networks Subject to Linear and Nonlinear Bounded Attacks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 163-173.	11.3	18

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55	A survey Of learning-Based control of robotic visual servoing systems. Journal of the Franklin Institute, 2022, 359, 556-577.	3.4	18
56	Linear Fusion Estimation for Range-Only Target Tracking With Nonlinear Transformation. IEEE Transactions on Industrial Informatics, 2020, 16, 6403-6412.	11.3	17
57	Sequential Fusion Estimation for Sensor Networks With Deceptive Attacks. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1829-1843.	4.7	16
58	Sequential Gaussian Approximation Filter for Target Tracking With Nonsynchronous Measurements. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 407-418.	4.7	13
59	GESO-Based Position Synchronization Control of Networked Multiaxis Motion System. IEEE Transactions on Industrial Informatics, 2020, 16, 248-257.	11.3	13
60	Fusion estimation under binary sensors. Automatica, 2020, 115, 108861.	5.0	13
61	Networked Nonlinear Fusion Estimation Under DoS Attacks. IEEE Sensors Journal, 2021, 21, 7058-7066.	4.7	13
62	A Bank of Decentralized Extended Information Filters for Target Tracking in Event-Triggered WSNs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3281-3289.	9.3	12
63	A LADRC based fuzzy PID approach to contour error control of networked motion control system with time-varying delays. Asian Journal of Control, 2020, 22, 1973-1985.	3.0	12
64	Delay-Dependent Distributed Kalman Fusion Estimation With Dimensionality Reduction in Cyber-Physical Systems. IEEE Transactions on Cybernetics, 2022, 52, 13557-13571.	9.5	12
65	Performance Evaluation of Distributed Linear Regression Kalman Filtering Fusion. IEEE Transactions on Automatic Control, 2021, 66, 2889-2896.	5.7	10
66	Distributed Nonlinear Fusion Estimation Without Knowledge of Noise Statistical Information: A Robust Design Approach. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3107-3117.	4.7	9
67	Secure dimensionality reduction fusion estimation against eavesdroppers in cyber–physical systems. ISA Transactions, 2020, 104, 154-161.	5.7	8
68	Sensor attack detection for cyber–physical systems based on frequency domain partition. IET Control Theory and Applications, 2020, 14, 1452-1466.	2.1	8
69	Distributed Fusion Estimation for Unstable Systems With Quantized Innovations. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6381-6387.	9.3	7
70	Distributed Secure Estimation Against Unknown FDI Attacks and Load Deviation in Multi-Area Power Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3007-3011.	3.0	7
71	Secure Fusion Estimation Against Eavesdroppers. , 2018, , .		6
72	GESO-based control for networked systems with time-varying delays. Measurement: Journal of the International Measurement Confederation, 2019, 133, 281-287.	5.0	6

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73	Distributed fusion Kalman filtering under binary sensors. International Journal of Robust and Nonlinear Control, 2020, 30, 2570-2578.	3.7	6
74	Bayesian-Wavelet-Based Multisource Decision Fusion. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	6
75	Attack-Resilient Control Against FDI Attacks in Cyber-Physical Systems. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1099-1102.	13.1	6
76	Predictive control for visual servoing control of cyber physical systems with packet loss. Peer-to-Peer Networking and Applications, 2019, 12, 1774-1784.	3.9	5
77	Online Modeling of the CNC Engraving System With Dead-Zone Input Nonlinearity. IEEE Transactions on Industrial Electronics, 2022, 69, 774-782.	7.9	5
78	Non‐linear model predictive control for visual servoing systems incorporating iterative linear quadratic Gaussian. IET Control Theory and Applications, 2020, 14, 1989-1994.	2.1	4
79	Sensor attack reconstruction for mobile robots via a switching Kalman fusion mechanism. Nonlinear Dynamics, 2020, 102, 151-161.	5.2	3
80	Energy-Constrained Confidentiality Fusion Estimation Against Eavesdroppers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 624-628.	3.0	3
81	Distributed Estimation for Discrete-Time Interconnected Systems. , 2019, , .		3
82	Secure H_{∞} control against time-delay attacks in cyber-physical systems. Journal of Control and Decision, 2022, 9, 420-430.	1.6	2
83	Intermediate‐variable‐based Kalman filter for linear time‐varying systems with unknown inputs. International Journal of Robust and Nonlinear Control, 2022, 32, 2453-2464.	3.7	2
84	Distributed Fusion Estimation for Linear Time-varying Systems under DoS Attacks and Bounded Noises. , 2019, , .		1
85	A Switched System Approach Against Time-Delay Attacks in Cyber- Physical Systems. , 2020, , .		1
86	Adaptive output regulation for cyber-physical systems under time-delay attacks. Control Theory and Technology, 2022, 20, 20.	1.6	1
87	Bounded Recursive Optimization Approach for Pose Estimation in Robotic Visual Servoing. Lecture Notes in Computer Science, 2019, , 488-497.	1.3	0
88	H_{∞} Fusion Detection of FDI Attacks for Nonlinear Cyber- Physical Systems. , 2020, , .		0