Bo Chen

List of Publications by Year
in descending order

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109	2,227	236925	233421
papers	citations	25	45
		h-index	g-index

110	110	110	1225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Secure Fusion Estimation for Bandwidth Constrained Cyber-Physical Systems Under Replay Attacks. IEEE Transactions on Cybernetics, 2018, 48, 1862-1876.	9.5	229
2	Event/Self-Triggered Control for Leader-Following Consensus Over Unreliable Network With DoS Attacks. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3137-3149.	11.3	187
3	Distributed Fusion Estimation With Missing Measurements, Random Transmission Delays and Packet Dropouts. IEEE Transactions on Automatic Control, 2014, 59, 1961-1967.	5.7	141
4	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
5	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
6	Distributed Covariance Intersection Fusion Estimation for Cyber-Physical Systems With Communication Constraints. IEEE Transactions on Automatic Control, 2016, 61, 4020-4026.	5.7	82
7	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
8	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
9	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
10	Networked fusion kalman filtering with multiple uncertainties. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2232-2249.	4.7	64
11	Distributed Fusion Estimation With Communication Bandwidth Constraints. IEEE Transactions on Automatic Control, 2015, 60, 1398-1403.	5.7	64
12	Active Security Control Approach Against DoS Attacks in Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2021, 66, 4303-4310.	5.7	63
13	Distributed Mixed H₂/H Fusion Estimation With Limited Communication Capacity. IEEE Transactions on Automatic Control, 2016, 61, 805-810.	5.7	61
14	Distributed Kalman filtering for time-varying discrete sequential systems. Automatica, 2019, 99, 228-236.	5.0	58
15	Hierarchical Fusion Estimation for Clustered Asynchronous Sensor Networks. IEEE Transactions on Automatic Control, 2016, 61, 3064-3069.	5.7	53
16	A New Approach to Linear/Nonlinear Distributed Fusion Estimation Problem. IEEE Transactions on Automatic Control, 2019, 64, 1301-1308.	5.7	50
17	Distributed Hâˆž fusion filtering with communication bandwidth constraints. Signal Processing, 2014, 96, 284-289.	3.7	49
18	Networked Fusion Estimation With Bounded Noises. IEEE Transactions on Automatic Control, 2017, 62, 5415-5421.	5.7	46

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19	Multi-Agent Reinforcement Learning for Decentralized Resilient Secondary Control of Energy Storage Systems Against DoS Attacks. IEEE Transactions on Smart Grid, 2022, 13, 1739-1750.	9.0	41
20	Nonlinear state estimation under bounded noises. Automatica, 2018, 98, 159-168.	5.0	37
21	Robust extended recursive least squares identification algorithm for Hammerstein systems with dynamic disturbances. , 2020, 101, 102716.		34
22	H âˆž Filtering for Markovian Switching Genetic Regulatory Networks with Time-Delays andÂStochasticÂDisturbances. Circuits, Systems, and Signal Processing, 2011, 30, 1231-1252.	2.0	29
23	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
24	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
25	Distributed edge event-triggered consensus protocol of multi-agent systems with communication buffer. International Journal of Robust and Nonlinear Control, 2017, 27, 483-496.	3.7	28
26	A 13.5â€“19 GHz 20.6-dB Gain CMOS Power Amplifier for FMCW Radar Application. IEEE Microwave and Wireless Components Letters, 2017, 27, 377-379.	3.2	28
27	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
28	Hâˆž filtering for discrete-time genetic regulatory networks with random delays. Mathematical Biosciences, 2012, 239, 97-105.	1.9	24
29	Robust hierarchical identification of Wiener systems in the presence of dynamic disturbances. Journal of the Franklin Institute, 2020, 357, 3809-3834.	3.4	24
30	Distributed Estimation and Control for Discrete Time-Varying Interconnected Systems. IEEE Transactions on Automatic Control, 2022, 67, 2192-2207.	5.7	20
31	Networked filtering with Markov transmission delays and packet disordering. IET Control Theory and Applications, 2018, 12, 687-693.	2.1	19
32	Distributed Kalman Filtering for Interconnected Dynamic Systems. IEEE Transactions on Cybernetics, 2022, 52, 11571-11580.	9.5	18
33	Fusion estimation under binary sensors. Automatica, 2020, 115, 108861.	5.0	13
34	Networked Nonlinear Fusion Estimation Under DoS Attacks. IEEE Sensors Journal, 2021, 21, 7058-7066.	4.7	13
35	Delay-Dependent Distributed Kalman Fusion Estimation With Dimensionality Reduction in Cyber-Physical Systems. IEEE Transactions on Cybernetics, 2022, 52, 13557-13571.	9.5	12
36	A Modified Deep Convolutional Subdomain Adaptive Network Method for Fault Diagnosis of Wind Turbine Systems. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	12

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37	Distributed Fault-Tolerant Consensus Protocol for Fuzzy Multi-Agent Systems. Circuits, Systems, and Signal Processing, 2019, 38, 611-624.	2.0	11
38	Recursive identification for Wiener nonâ€linear systems with nonâ€stationary disturbances. IET Control Theory and Applications, 2019, 13, 2648-2657.	2.1	11
39	Exponential convergence rate estimation for neutral BAM neural networks with mixed time-delays. Neural Computing and Applications, 2011, 20, 451-460.	5.6	9
40	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
41	Multisensor-Based Periodic Estimation in Sensor Networks With Transmission Constraint and Periodic Mixed Storage. IEEE Transactions on Cybernetics, 2017, 47, 4367-4379.	9.5	8
42	Networked Fusion Estimation under Denial-of-Service Attacks * *The work was supported in part by the National Natural Science Foundation of China under Grant Nos. 61673351, and 61573319, 61403345, in part by the General Research Fund from the Hong Kong Special Administrative Region under Grant CityU 11300415, and in part by the China Post-Doctoral Science Foundation under Grant 2016M590547. IFAC-PapersOnLine, 2017, 50, 3835-3840.	0.9	8
43	Secure dimensionality reduction fusion estimation against eavesdroppers in cyberâ€“physical systems. ISA Transactions, 2020, 104, 154-161.	5.7	8
44	Exponential stability analysis for neutral BAM neural networks with time-varying delays and stochastic disturbances. Journal of Control Theory and Applications, 2012, 10, 92-99.	0.8	7
45	A high gain decibel-linear programmable gain amplifier of synthetic aperture radar receiver. , 2016, , .		7
46	Distributed Robust Dimensionality Reduction Fusion Estimation Under DoS Attacks and Uncertain Covariances. IEEE Access, 2021, 9, 10328-10337.	4.2	7
47	Distributed Fusion Estimation for Unstable Systems With Quantized Innovations. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6381-6387.	9.3	7
48	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
49	Information Fusion Estimation for spatially distributed cyber-physical systems with communication delay and bandwidth constraints. , 2015, , .		6
50	Secure Fusion Estimation Against Eavesdroppers. , 2018, , .		6
51	Distributed fusion Kalman filtering under binary sensors. International Journal of Robust and Nonlinear Control, 2020, 30, 2570-2578.	3.7	6
52	Bayesian-Wavelet-Based Multisource Decision Fusion. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	6
53	Attack-Resilient Control Against FDI Attacks in Cyber-Physical Systems. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1099-1102.	13.1	6
54	Networked multi-sensor fusion estimation with delays, packet losses and missing measurements. , 2012, , .		5

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55	Distributed SINR Fusion Estimation for a Class of Wireless Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1264-1268.	3.0	5
56	Robust Kalman Filtering for Uncertain Discrete Time-delay Systems with Missing Measurement. Zidonghua Xuebao/Acta Automatica Sinica, 2011, 37, 123-128.	0.3	5
57	Live demonstration: A Ku-band FMCW synthetic aperture radar transceiver for micro-UAVs. , 2016, , .		4
58	Distributed Fusion Estimation for Sensor Networks with Communication Constraints. , 2016, , .		4
59	Progressive Gaussian approximation filter with adaptive measurement update. Measurement: Journal of the International Measurement Confederation, 2019, 148, 106898.	5.0	4
60	Distributed Confidentiality Fusion Estimation Against Eavesdroppers. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 3633-3642.	4.7	4
61	Distributed Nonlinear Fusion UKF. , 2020, , .		4
62	Kalman-Like Filter Under Binary Sensors. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	4
63	Distributed Fusion Estimation for Nonlinear Cyber-Physical Systems With Attacked Control Signals. IEEE Systems Journal, 2023, 17, 1216-1223.	4.6	4
64	Energy-Efficient Weighted Observation Fusion Kalman Filtering with Randomly Delayed Measurements. Circuits, Systems, and Signal Processing, 2014, 33, 3299-3316.	2.0	3
65	Fusion Estimation for Discrete Time-Varying Systems With Bounded Nonlinearities. IEEE Access, 2019, 7, 27097-27105.	4.2	3
66	Fusion Estimation for FDI Sensor Attacks in Distributed Systems. , 2020, , .		3
67	Energy-Constrained Confidentiality Fusion Estimation Against Eavesdroppers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 624-628.	3.0	3
68	Distributed Estimation for Discrete-Time Interconnected Systems. , 2019, , .		3
69	Fault Detection Method Based on Multi-scale Convolutional Neural Network for Wind Turbine Gearbox. , 2020, , .		3
70	Distributed Estimation for Interconnected Dynamic Systems Under Binary Sensors. IEEE Sensors Journal, 2022, 22, 13153-13161.	4.7	3
71	Hybrid equalization for multipath fading channels with intersymbol interference. , 0, , .		2
72	Distributed fusion Kalman filtering with communication constraints. , 2013, , .		2

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73	Distributed state fusion estimation for nonlinear systems. , 2014, , .		2
74	Game theoretic vulnerability management for secondary frequency control of islanded microgrids against false data injection attacks. IET Cyber-Physical Systems: Theory and Applications, 0, , .	3.3	2
75	Distributed Dimensionality Reduction Fusion Kalman Filtering With Quantized Innovations. Circuits, Systems, and Signal Processing, 2021, 40, 5234-5247.	2.0	2
76	Distributed Estimation for Discrete Sequential Systems under Binary Sensors. , 2021, , .		2
77	Intermediate-Variable-Based Distributed Fusion Estimation for Wind Turbine Systems. Actuators, 2022, 11, 15.	2.3	2
78	Secure H_{â^ž} control against time-delay attacks in cyber-physical systems. Journal of Control and Decision, 2022, 9, 420-430.	1.6	2
79	Intermediateâ€variableâ€based Kalman filter for linear timeâ€varying systems with unknown inputs. International Journal of Robust and Nonlinear Control, 2022, 32, 2453-2464.	3.7	2
80	A bank of sequential unscented Kalman Filters for target tracking in range-only WSNs. , 2017, , .		1
81	Distributed Fusion Estimation for Linear Time-varying Systems under DoS Attacks and Bounded Noises. , 2019, , .		1
82	A Switched System Approach Against Time-Delay Attacks in Cyber- Physical Systems. , 2020, , .		1
83	Distributed wavelet neural networks. Applied Intelligence, 2022, 52, 8735-8745.	5.3	1
84	Distributed Nonlinear Estimation: A Recursive Optimization Approach. Circuits, Systems, and Signal Processing, 2022, 41, 2397-2410.	2.0	1
85	Secure Intermediate-Variable-Based Estimation for Multi-Area Power Systems under FDI Attacks. , 2021, , .		1
86	Adaptive output regulation for cyber-physical systems under time-delay attacks. Control Theory and Technology, 2022, 20, 20.	1.6	1
87	Distributed Matrix Weighted Fusion Gaussian Filter. , 2022, 6, 2299-2304.		1
88	Error-Driven Adaptive, Virtual Machine Model-Based Control with High Availability Platform. , 2012, , .		0
89	Multi-Sensor-Based Estimation in Wireless Sensor Network with Stochastic Competitive Transmission. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 298-302.	0.4	0
90	A 60 GHz low power direct-conversion quadrature-phase transmitter in 130 nm CMOS with low profile cavity backed antenna. Microwave and Optical Technology Letters, 2015, 57, 785-789.	1.4	0

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91	An analog baseband chain of synthetic aperture radar receiver. , 2016, , .		0
92	Multi-rate Kalman Fusion Estimation for WSNs. , 2016, , 11-44.		0
93	Distributed fusion filtering for stochastic uncertain systems subject to correlated noises, random delays and data losses. , 2017, , .		0
94	Computation-Efficient Centralized Fusion Estimation with Packet Dropouts. , 2018, , .		0
95	Event-triggered Secure Estimation for Large-scale Interconnected Systems Based on Intermediate Estimator. , 2019, , .		0
96	Hierarchical Asynchronous Fusion Estimation for WSNs. , 2016, , 147-159.		0
97	H âˆž Fusion Estimation for WSNs with Nonuniform Sampling Rates. , 2016, , 75-97.		0
98	Fusion Estimation for WSNs with Delayed Measurements. , 2016, , 161-185.		0
99	Fusion Estimation for WSNs with Delays and Packet Losses. , 2016, , 187-207.		0
100	H âˆž Fusion Estimation for WSNs with Quantization. , 2016, , 135-146.		0
101	Fusion Estimation for WSNs Using Dimension-Reduction Method. , 2016, , 99-134.		0
102	Kalman Fusion Estimation for WSNs with Nonuniform Estimation Rates. , 2016, , 45-74.		0
103	Bounded Recursive Optimization Approach for Pose Estimation in Robotic Visual Servoing. Lecture Notes in Computer Science, 2019, , 488-497.	1.3	0
104	Hâˆž Fusion Detection of FDI Attacks for Nonlinear Cyber- Physical Systems. , 2020, , .		0
105	Optical variable-in variable-out wavelength converters based on MgO doped LiNbO/sub 3/ quasi-phase matched waveguides. , 0, , .		0
106	Distributed Dimensionality Reduction Fusion Estimation: An Hâˆž Approach. , 2020, , .		0
107	Data Tampering Attack Design for ROS-Based Object Detection and Tracking Robotic Platform. , 2021, , .		0
108	Guest editorial: Machine learning for secure cyberâ€physical industrial control systems. IET Cyber-Physical Systems: Theory and Applications, 2022, 7, 1-3.	3.3	0

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109	Covariance Intersection Fusion Approach for Gait Estimation of Lower Limb Rehabilitation Exoskeleton Robot. , 2022, , .		0