

Bo Shen

List of Publications by Year in descending order

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89
papers

7,757
citations

66234

42
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53109

85
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89
all docs

89
docs citations

89
times ranked

3038
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel swarm intelligence optimization approach: sparrow search algorithm. Systems Science and Control Engineering, 2020, 8, 22-34.	1.8	1,527
2	Distributed H filtering in sensor networks with multiple missing measurements: The finite-horizon case. Automatica, 2010, 46, 1682-1688.	3.0	255
3	Synchronization Control for A Class of Discrete Time-Delay Complex Dynamical Networks: A Dynamic Event-Triggered Approach. IEEE Transactions on Cybernetics, 2019, 49, 1979-1986.	6.2	274
4	Sampled-Data Synchronization Control of Dynamical Networks With Stochastic Sampling. IEEE Transactions on Automatic Control, 2012, 57, 2644-2650.	3.6	271
5	Bounded H_{∞} Synchronization and State Estimation for Discrete Time-Varying Stochastic Complex Networks Over a Finite Horizon. IEEE Transactions on Neural Networks, 2011, 22, 145-157.	4.8	268
6	H filtering with randomly occurring sensor saturations and missing measurements. Automatica, 2012, 48, 556-562.	3.0	255
7	Event-triggered consensus control for discrete-time stochastic multi-agent systems: The input-to-state stability in probability. Automatica, 2015, 62, 284-291.	3.0	253
8	H_{∞} State Estimation for Complex Networks With Uncertain Inner Coupling and Incomplete Measurements. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 2027-2037.	7.2	217
9	Finite-Horizon H_{∞} Filtering With Missing Measurements and Quantization Effects. IEEE Transactions on Automatic Control, 2013, 58, 1707-1718.	3.6	211
10	Event-Triggered State Estimation for Discrete-Time Multidelayed Neural Networks With Stochastic Parameters and Incomplete Measurements. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1152-1163.	7.2	210
11	State-Saturated Recursive Filter Design for Stochastic Time-Varying Nonlinear Complex Networks Under Deception Attacks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3788-3800.	7.2	175
12	Event-triggered H_{∞} state estimation for discrete-time stochastic genetic regulatory networks with Markovian jumping parameters and time-varying delays. Neurocomputing, 2016, 174, 912-920.	3.5	170
13	On Nonlinear H_{∞} Filtering for Discrete-Time Stochastic Systems With Missing Measurements. IEEE Transactions on Automatic Control, 2008, 53, 2170-2180.	3.6	160
14	Envelope-constrained H_{∞} filtering with fading measurements and randomly occurring nonlinearities: The finite horizon case. Automatica, 2015, 55, 37-45.	3.0	153
15	Finite-Horizon H_{∞} Control for Discrete Time-Varying Systems With Randomly Occurring Nonlinearities and Fading Measurements. IEEE Transactions on Automatic Control, 2015, 60, 2488-2493.	3.6	149
16	Recursive distributed filtering over sensor networks on Gilbert-Elliott channels: A dynamic event-triggered approach. Automatica, 2020, 113, 108681.	3.0	133
17	Variance-constrained H_{∞} filtering for a class of nonlinear stochastic discrete time-varying systems: The event-triggered design. Automatica, 2016, 72, 28-36.	3.0	116
18	Finite-horizon filtering for a class of nonlinear time-delayed systems with an energy harvesting sensor. Automatica, 2019, 100, 144-152.	3.0	116

#	ARTICLE	IF	CITATIONS
19	Distributed State-Saturated Recursive Filtering Over Sensor Networks Under Round-Robin Protocol. IEEE Transactions on Cybernetics, 2020, 50, 3605-3615.	6.2	113
20	Recent advances on filtering and control for cyber-physical systems under security and resource constraints. Journal of the Franklin Institute, 2016, 353, 2451-2466.	1.9	110
21	Event-triggered multi-rate fusion estimation for uncertain system with stochastic nonlinearities and colored measurement noises. Information Fusion, 2017, 36, 313-320.	11.7	109
22	Stabilization for sampled-data systems under noisy sampling interval. Automatica, 2016, 63, 162-166.	3.0	105
23	Event-Triggered H_∞ State Estimation for Delayed Stochastic Memristive Neural Networks With Missing Measurements: The Discrete Time Case. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3726-3737.	7.2	102
24	Fusion estimation for multi-rate linear repetitive processes under weighted try-once-discard protocol. Information Fusion, 2020, 55, 281-291.	11.7	100
25	state estimation with fading measurements, randomly varying nonlinearities and probabilistic distributed delays. International Journal of Robust and Nonlinear Control, 2015, 25, 2180-2195.	2.1	92
26	Exponential Synchronization for Delayed Dynamical Networks via Intermittent Control: Dealing With Actuator Saturations. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1000-1012.	7.2	92
27	Quantized/Saturated Control for Sampled-Data Systems Under Noisy Sampling Intervals: A Confluent Vandermonde Matrix Approach. IEEE Transactions on Automatic Control, 2017, 62, 4753-4759.	3.6	90
28	Security-guaranteed filtering for discrete-time stochastic delayed systems with randomly occurring sensor saturations and deception attacks. International Journal of Robust and Nonlinear Control, 2017, 27, 1194-1208.	2.1	89
29	Delay-Distribution-Dependent H_∞ State Estimation for Discrete-Time Memristive Neural Networks With Mixed Time-Delays and Fading Measurements. IEEE Transactions on Cybernetics, 2020, 50, 440-451.	6.2	87
30	Finite-time resilient H_∞ state estimation for discrete-time delayed neural networks under dynamic event-triggered mechanism. Neural Networks, 2020, 121, 356-365.	3.3	83
31	Robust recursive filtering for uncertain stochastic systems with amplify-and-forward relays. International Journal of Systems Science, 2020, 51, 1188-1199.	3.7	82
32	Event-triggered synchronization control for complex networks with uncertain inner coupling. International Journal of General Systems, 2015, 44, 212-225.	1.2	77
33	Stability analysis for discrete-time stochastic memristive neural networks with both leakage and probabilistic delays. Neural Networks, 2018, 102, 1-9.	3.3	70
34	Recursive Filtering With Measurement Fading: A Multiple Description Coding Scheme. IEEE Transactions on Automatic Control, 2021, 66, 5144-5159.	3.6	57
35	Sampled-data H_∞ filtering for stochastic genetic regulatory networks. International Journal of Robust and Nonlinear Control, 2011, 21, 1759-1777.	2.1	56
36	Guaranteed cost control for uncertain nonlinear systems with mixed time-delays: The discrete-time case. European Journal of Control, 2018, 40, 62-67.	1.6	55

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37	Centralized security-guaranteed filtering in multirate-sensor fusion under deception attacks. Journal of the Franklin Institute, 2018, 355, 406-420.	1.9	54
38	Outlier-Resistant Recursive Filtering for Multisensor Multirate Networked Systems Under Weighted Try-Once-Discard Protocol. IEEE Transactions on Cybernetics, 2021, 51, 4897-4908.	6.2	52
39	state estimation for discrete-time memristive recurrent neural networks with stochastic time-delays. International Journal of General Systems, 2016, 45, 633-647.	1.2	50
40	A novel electrochemical biosensor for ultrasensitive and specific detection of DNA based on molecular beacon mediated circular strand displacement and rolling circle amplification. Biosensors and Bioelectronics, 2014, 62, 274-279.	5.3	47
41	Event-triggered H^∞ state estimation for discrete-time neural networks with mixed time delays and sensor saturations. Neural Computing and Applications, 2017, 28, 3815-3825.	3.2	46
42	Unknown input and state estimation for linear discrete-time systems with missing measurements and correlated noises. International Journal of General Systems, 2016, 45, 648-661.	1.2	44
43	Event-triggered H^∞ state estimation for state-saturated complex networks subject to quantization effects and distributed delays. Journal of the Franklin Institute, 2018, 355, 2874-2891.	1.9	41
44	A sampled-data approach to distributed H^∞ resilient state estimation for a class of nonlinear time-delay systems over sensor networks. Journal of the Franklin Institute, 2017, 354, 7139-7157.	1.9	41
45	State estimation for neural networks with Markov-based nonuniform sampling: The partly unknown transition probability case. Neurocomputing, 2019, 357, 261-270.	3.5	38
46	A dynamically event-triggered approach to recursive filtering with censored measurements and parameter uncertainties. Journal of the Franklin Institute, 2019, 356, 8870-8889.	1.9	35
47	An event-triggered approach to distributed H^∞ state estimation for state-saturated systems with randomly occurring mixed delays. Journal of the Franklin Institute, 2018, 355, 3104-3121.	1.9	33
48	Fusion estimation for a class of multi-rate power systems with randomly occurring SCADA measurement delays. Automatica, 2021, 125, 109408.	3.0	33
49	Pinning synchronization control for a class of discrete-time switched stochastic complex networks under event-triggered mechanism. Nonlinear Analysis: Hybrid Systems, 2020, 37, 100886.	2.1	32
50	Recursive Fault Estimation With Energy Harvesting Sensors and Uniform Quantization Effects. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 926-929.	8.5	32
51	Robust Recursive Filtering for Stochastic Systems With Time-Correlated Fading Channels. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3102-3112.	5.9	30
52	State-saturated H^∞ filtering with randomly occurring nonlinearities and packet dropouts: the finite-horizon case. International Journal of Robust and Nonlinear Control, 2013, 23, 1803-1821.	2.1	29
53	H^∞ state estimation for multi-rate artificial neural networks with integral measurements: A switched system approach. Information Sciences, 2020, 539, 434-446.	4.0	27
54	A fault detection scheme for linear discrete-time systems with an integrated online performance evaluation. International Journal of Control, 2014, 87, 2511-2521.	1.2	26

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55	finite-horizon filtering for complex networks with state saturations: The weighted try-once-discard protocol. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 2096-2111.	2.1	26
56	Genetic algorithm-based compliant robot path planning: an improved Bi-RRT-based initialization method. <i>Assembly Automation</i> , 2017, 37, 261-270.	1.0	25
57	A survey on the applications of the Krein-space theory in signal estimation. <i>Systems Science and Control Engineering</i> , 2014, 2, 143-149.	1.8	24
58	Robust fusion filtering over multisensor systems with energy harvesting constraints. <i>Automatica</i> , 2021, 131, 109782.	3.0	24
59	Dynamic state estimation for islanded microgrids with multiple fading measurements. <i>Neurocomputing</i> , 2020, 406, 196-203.	3.5	22
60	Distributed state estimation for renewable energy microgrids with sensor saturations. <i>Automatica</i> , 2021, 131, 109730.	3.0	21
61	Nonfragile H_∞ filtering for discrete multirate time-delayed systems over sensor networks characterized by Gilbert-Elliott models. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 3194-3214.	2.1	20
62	H_∞ state estimation for delayed artificial neural networks under high-rate communication. <i>Neural Networks</i> , 2020, 124, 170-179.	3.3	18
63	H_∞ state estimation for discrete-time stochastic memristive BAM neural networks with mixed time-delays. <i>International Journal of Machine Learning and Cybernetics</i> , 2019, 10, 771-785.	2.3	16
64	An event-triggered approach to robust recursive filtering for stochastic discrete time-varying spatial-temporal systems. <i>Signal Processing</i> , 2018, 145, 91-98.	2.1	15
65	H_∞ filtering for multi-rate sensor systems with randomly occurring sensor saturations under the p-persistent CSMA protocol. <i>IET Control Theory and Applications</i> , 2020, 14, 1255-1265.	1.2	15
66	Synchronization and state estimation for discrete-time coupled delayed complex-valued neural networks with random system parameters. <i>Neural Networks</i> , 2022, 150, 181-193.	3.3	14
67	Recursive State Estimation for Networked Multirate Multisensor Systems With Distributed Time-Delays Under Round-Robin Protocol. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 4136-4146.	6.2	12
68	Partial-neurons-based state estimation for delayed neural networks with state-dependent noises under redundant channels. <i>Information Sciences</i> , 2021, 547, 931-944.	4.0	11
69	A Resilient Approach to Recursive Distributed Filtering for Multirate Systems Over Sensor Networks With Time-Correlated Fading Channels. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2021, 7, 636-647.	1.6	11
70	A new elite opposite sparrow search algorithm-based optimized LightGBM approach for fault diagnosis. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 10473-10491.	3.3	10
71	Event-Triggering State and Fault Estimation for a Class of Nonlinear Systems Subject to Sensor Saturations. <i>Sensors</i> , 2021, 21, 1242.	2.1	9
72	Event-based fusion estimation for multi-rate systems subject to sensor degradations. <i>Journal of the Franklin Institute</i> , 2021, 358, 8754-8771.	1.9	9

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73	State-of-charge estimation for Li-ion batteries with uncertain parameters and uncorrelated/correlated noises: a recursive approach. International Journal of Systems Science, 2021, 52, 1675-1691.	3.7	9
74	A resilient outlier-resistant recursive filtering approach to time-delayed spatial-temporal systems with energy harvesting sensors. ISA Transactions, 2022, 127, 41-49.	3.1	9
75	Event-based recursive filtering for a class of nonlinear stochastic parameter systems over fading channels. International Journal of General Systems, 2018, 47, 401-415.	1.2	8
76	Non-fragile H_∞ control for body slip angle of electric vehicles with onboard vision systems: The dynamic event-triggering approach. Journal of the Franklin Institute, 2020, 357, 2008-2027.	1.9	6
77	Recursive filtering for mobile robot localization under an energy harvesting sensor. Asian Journal of Control, 2022, 24, 2035-2048.	1.9	6
78	On mean-square H_∞ control for discrete-time nonlinear stochastic systems with (x, u, v) -dependent noises. International Journal of Robust and Nonlinear Control, 2019, 29, 882-893.	2.1	5
79	Stubborn state estimation for nonlinear distributed parameter systems subject to measurement outliers. International Journal of Robust and Nonlinear Control, 2022, 32, 13-28.	2.1	5
80	Stubborn state estimation for complex-valued neural networks with mixed time delays: the discrete time case. Neural Computing and Applications, 2022, 34, 5449-5464.	3.2	5
81	Robust reliable H_∞ control for uncertain stochastic spatial-temporal systems: The output feedback case. Journal of the Franklin Institute, 2015, 352, 2280-2296.	1.9	4
82	Event-triggered stabilisation for switched delayed differential systems: the input-to-state stability. IET Control Theory and Applications, 2020, 14, 1711-1721.	1.2	4
83	Parameter learning of stochastic Boolean networks. International Journal of Robust and Nonlinear Control, 2022, 32, 2472-2484.	2.1	3
84	Dynamic event-triggered state estimation for time-delayed spatial-temporal networks under encoding-decoding scheme. Neurocomputing, 2022, 500, 868-876.	3.5	3
85	Event-triggered extended Kalman filter for nonlinear multi-rate systems. , 2017, , .		2
86	Distributed sampled-data state estimation for sensor networks with nonuniform samplings. , 2017, , .		2
87	Fusion estimation for stochastic uncertain systems with time-correlated fading channels. Journal of the Franklin Institute, 2022, 359, 2340-2358.	1.9	2
88	Resilient Recursive State Estimation for Discrete Time-Varying Systems with Deception Attacks*. , 2019, , .		0
89	Recursive filtering for a class of uncertain complex-valued stochastic systems. Systems Science and Control Engineering, 2020, 8, 650-659.	1.8	0