

Bo Shen

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.

83
papers

5,008
citations

38
h-index

70
g-index

89
ext. papers

6,421
ext. citations

5
avg, IF

6.74
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 83 | Fusion estimation for stochastic uncertain systems with time-correlated rician fading channels. <i>Journal of the Franklin Institute</i> , 2022 , 359, 2340-2340 | 4 | 0 |
| 82 | A new elite opposite sparrow search algorithm-based optimized LightGBM approach for fault diagnosis.. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022 , 1-19 | 3.7 | 1 |
| 81 | 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 | 9.1 | 2 |
| 80 | Recursive Fault Estimation With Energy Harvesting Sensors and Uniform Quantization Effects. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 9, 926-929 | 7 | 7 |
| 79 | 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 | 2.8 | 2 |
| 78 | Outlier-Resistant Recursive Filtering for Multisensor Multirate Networked Systems Under Weighted Try-Once-Discard Protocol. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4897-4908 | 10.2 | 15 |
| 77 | Fusion estimation for a class of multi-rate power systems with randomly occurring SCADA measurement delays. <i>Automatica</i> , 2021 , 125, 109408 | 5.7 | 11 |
| 76 | Partial-neurons-based state estimation for delayed neural networks with state-dependent noises under redundant channels. <i>Information Sciences</i> , 2021 , 547, 931-944 | 7.7 | 2 |
| 75 | Robust Recursive Filtering for Stochastic Systems With Time-Correlated Fading Channels. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-11 | 7.3 | 11 |
| 74 | Event-Triggering State and Fault Estimation for a Class of Nonlinear Systems Subject to Sensor Saturations. <i>Sensors</i> , 2021 , 21, | 3.8 | 4 |
| 73 | Event-based fusion estimation for multi-rate systems subject to sensor degradations. <i>Journal of the Franklin Institute</i> , 2021 , 358, 8754-8754 | 4 | 1 |
| 72 | Robust fusion filtering over multisensor systems with energy harvesting constraints. <i>Automatica</i> , 2021 , 131, 109782 | 5.7 | 4 |
| 71 | Distributed state estimation for renewable energy microgrids with sensor saturations. <i>Automatica</i> , 2021 , 131, 109730 | 5.7 | 3 |
| 70 | State-of-charge estimation for Li-ion batteries with uncertain parameters and uncorrelated/correlated noises: a recursive approach. <i>International Journal of Systems Science</i> , 2021 , 52, 1675-1691 | 2.3 | 2 |
| 69 | Recursive filtering for a class of uncertain complex-valued stochastic systems. <i>Systems Science and Control Engineering</i> , 2020 , 8, 650-659 | 2 | |
| 68 | Recursive State Estimation for Networked Multirate Multisensor Systems With Distributed Time-Delays Under Round-Robin Protocol. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP, | 10.2 | 3 |
| 67 | Robust recursive filtering for uncertain stochastic systems with amplify-and-forward relays. <i>International Journal of Systems Science</i> , 2020 , 51, 1188-1199 | 2.3 | 54 |

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| 66 | H _∞ state estimation for multi-rate artificial neural networks with integral measurements: A switched system approach. <i>Information Sciences</i> , 2020 , 539, 434-446 | 7.7 | 15 |
| 65 | Dynamic state estimation for islanded microgrids with multiple fading measurements. <i>Neurocomputing</i> , 2020 , 406, 196-203 | 5.4 | 9 |
| 64 | 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 | 3.6 | 15 |
| 63 | Pinning synchronization control for a class of discrete-time switched stochastic complex networks under event-triggered mechanism. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020 , 37, 100886 | 4.5 | 16 |
| 62 | H _∞ state estimation for delayed artificial neural networks under high-rate communication channels with Round-Robin protocol. <i>Neural Networks</i> , 2020 , 124, 170-179 | 9.1 | 11 |
| 61 | Non-fragile H _∞ control for body slip angle of electric vehicles with onboard vision systems: The dynamic event-triggering approach. <i>Journal of the Franklin Institute</i> , 2020 , 357, 2008-2027 | 4 | 2 |
| 60 | Recursive Filtering with Measurement Fading: A Multiple Description Coding Scheme. <i>IEEE Transactions on Automatic Control</i> , 2020 , 1-1 | 5.9 | 24 |
| 59 | Event-triggered stabilisation for switched delayed differential systems: the input-to-state stability. <i>IET Control Theory and Applications</i> , 2020 , 14, 1711-1721 | 2.5 | 4 |
| 58 | H _∞ filtering for multi-rate multi-sensor systems with randomly occurring sensor saturations under the p-persistent CSMA protocol. <i>IET Control Theory and Applications</i> , 2020 , 14, 1255-1265 | 2.5 | 10 |
| 57 | Distributed State-Saturated Recursive Filtering Over Sensor Networks Under Round-Robin Protocol. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3605-3615 | 10.2 | 72 |
| 56 | Recursive distributed filtering over sensor networks on GilbertElliott channels: A dynamic event-triggered approach. <i>Automatica</i> , 2020 , 113, 108681 | 5.7 | 82 |
| 55 | A novel swarm intelligence optimization approach: sparrow search algorithm. <i>Systems Science and Control Engineering</i> , 2020 , 8, 22-34 | 2 | 335 |
| 54 | State-Saturated Recursive Filter Design for Stochastic Time-Varying Nonlinear Complex Networks Under Deception Attacks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 3788-3800 | 10.3 | 108 |
| 53 | Delay-Distribution-Dependent H State Estimation for Discrete-Time Memristive Neural Networks With Mixed Time-Delays and Fading Measurements. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 440-451 | 10.2 | 62 |
| 52 | Fusion estimation for multi-rate linear repetitive processes under weighted try-once-discard protocol. <i>Information Fusion</i> , 2020 , 55, 281-291 | 16.7 | 79 |
| 51 | Finite-time resilient H state estimation for discrete-time delayed neural networks under dynamic event-triggered mechanism. <i>Neural Networks</i> , 2020 , 121, 356-365 | 9.1 | 54 |
| 50 | H _∞ 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 | 3.6 | 17 |
| 49 | State estimation for neural networks with Markov-based nonuniform sampling: The partly unknown transition probability case. <i>Neurocomputing</i> , 2019 , 357, 261-270 | 5.4 | 28 |

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| 48 | Exponential Synchronization for Delayed Dynamical Networks via Intermittent Control: Dealing With Actuator Saturations. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 1000-1012 | 10.3 | 62 |
| 47 | A dynamically event-triggered approach to recursive filtering with censored measurements and parameter uncertainties. <i>Journal of the Franklin Institute</i> , 2019 , 356, 8870-8889 | 4 | 22 |
| 46 | Finite-horizon filtering for a class of nonlinear time-delayed systems with an energy harvesting sensor. <i>Automatica</i> , 2019 , 100, 144-152 | 5.7 | 89 |
| 45 | On mean-square H_2 control for discrete-time nonlinear stochastic systems with (x, u, v) -dependent noises. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 882-893 | 3.6 | 3 |
| 44 | (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 | 3.8 | 12 |
| 43 | Synchronization Control for A Class of Discrete Time-Delay Complex Dynamical Networks: A Dynamic Event-Triggered Approach. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1979-1986 | 10.2 | 156 |
| 42 | Stability analysis for discrete-time stochastic memristive neural networks with both leakage and probabilistic delays. <i>Neural Networks</i> , 2018 , 102, 1-9 | 9.1 | 55 |
| 41 | An event-triggered approach to distributed H_2 state estimation for state-saturated systems with randomly occurring mixed delays. <i>Journal of the Franklin Institute</i> , 2018 , 355, 3104-3121 | 4 | 23 |
| 40 | Event-based recursive filtering for a class of nonlinear stochastic parameter systems over fading channels. <i>International Journal of General Systems</i> , 2018 , 47, 401-415 | 2.1 | 5 |
| 39 | Event-Triggered State Estimation for Delayed Stochastic Memristive Neural Networks With Missing Measurements: The Discrete Time Case. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 3726-3737 | 10.3 | 79 |
| 38 | Event-triggered H_2 state estimation for state-saturated complex networks subject to quantization effects and distributed delays. <i>Journal of the Franklin Institute</i> , 2018 , 355, 2874-2891 | 4 | 30 |
| 37 | An event-triggered approach to robust recursive filtering for stochastic discrete time-varying spatial-temporal systems. <i>Signal Processing</i> , 2018 , 145, 91-98 | 4.4 | 8 |
| 36 | Centralized security-guaranteed filtering in multirate-sensor fusion under deception attacks. <i>Journal of the Franklin Institute</i> , 2018 , 355, 406-420 | 4 | 36 |
| 35 | Guaranteed cost control for uncertain nonlinear systems with mixed time-delays: The discrete-time case. <i>European Journal of Control</i> , 2018 , 40, 62-67 | 2.5 | 44 |
| 34 | Event-triggered H_2 state estimation for discrete-time neural networks with mixed time delays and sensor saturations. <i>Neural Computing and Applications</i> , 2017 , 28, 3815-3825 | 4.8 | 35 |
| 33 | Event-Triggered State Estimation for Discrete-Time Multidelayed Neural Networks With Stochastic Parameters and Incomplete Measurements. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1152-1163 | 10.3 | 164 |
| 32 | Quantized/Saturated Control for Sampled-Data Systems Under Noisy Sampling Intervals: A Confluent Vandermonde Matrix Approach. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 4753-4759 | 5.9 | 72 |
| 31 | Event-triggered multi-rate fusion estimation for uncertain system with stochastic nonlinearities and colored measurement noises. <i>Information Fusion</i> , 2017 , 36, 313-320 | 16.7 | 80 |

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| 30 | Genetic algorithm-based compliant robot path planning: an improved Bi-RRT-based initialization method. <i>Assembly Automation</i> , 2017 , 37, 261-270 | 2.1 | 13 |
| 29 | Security-guaranteed filtering for discrete-time stochastic delayed systems with randomly occurring sensor saturations and deception attacks. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 1194-1208 | 3.6 | 66 |
| 28 | Distributed sampled-data state estimation for sensor networks with nonuniform samplings 2017 , | | 1 |
| 27 | A sampled-data approach to distributed H _∞ -resilient state estimation for a class of nonlinear time-delay systems over sensor networks. <i>Journal of the Franklin Institute</i> , 2017 , 354, 7139-7157 | 4 | 37 |
| 26 | Variance-constrained H _∞ -control for a class of nonlinear stochastic discrete time-varying systems: The event-triggered design. <i>Automatica</i> , 2016 , 72, 28-36 | 5.7 | 103 |
| 25 | Stabilization for sampled-data systems under noisy sampling interval. <i>Automatica</i> , 2016 , 63, 162-166 | 5.7 | 73 |
| 24 | Event-triggered H _∞ state estimation for discrete-time stochastic genetic regulatory networks with Markovian jumping parameters and time-varying delays. <i>Neurocomputing</i> , 2016 , 174, 912-920 | 5.4 | 144 |
| 23 | state estimation for discrete-time memristive recurrent neural networks with stochastic time-delays. <i>International Journal of General Systems</i> , 2016 , 45, 633-647 | 2.1 | 43 |
| 22 | Unknown input and state estimation for linear discrete-time systems with missing measurements and correlated noises. <i>International Journal of General Systems</i> , 2016 , 45, 648-661 | 2.1 | 40 |
| 21 | Recent advances on filtering and control for cyber-physical systems under security and resource constraints. <i>Journal of the Franklin Institute</i> , 2016 , 353, 2451-2466 | 4 | 77 |
| 20 | Robust reliable . <i>Journal of the Franklin Institute</i> , 2015 , 352, 2280-2296 | 4 | 3 |
| 19 | Envelope-constrained H _∞ filtering with fading measurements and randomly occurring nonlinearities: The finite horizon case. <i>Automatica</i> , 2015 , 55, 37-45 | 5.7 | 141 |
| 18 | Finite-Horizon \mathcal{H}_∞ Control for Discrete Time-Varying Systems With Randomly Occurring Nonlinearities and Fading Measurements. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 2488-2493 | 5.9 | 138 |
| 17 | Event-triggered consensus control for discrete-time stochastic multi-agent systems: The input-to-state stability in probability. <i>Automatica</i> , 2015 , 62, 284-291 | 5.7 | 215 |
| 16 | state estimation with fading measurements, randomly varying nonlinearities and probabilistic distributed delays. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 2180-2195 | 3.6 | 85 |
| 15 | Event-triggered synchronization control for complex networks with uncertain inner coupling. <i>International Journal of General Systems</i> , 2015 , 44, 212-225 | 2.1 | 65 |
| 14 | A novel electrochemical biosensor for ultrasensitive and specific detection of DNA based on molecular beacon mediated circular strand displacement and rolling circle amplification. <i>Biosensors and Bioelectronics</i> , 2014 , 62, 274-9 | 11.8 | 45 |
| 13 | A fault detection scheme for linear discrete-time systems with an integrated online performance evaluation. <i>International Journal of Control</i> , 2014 , 87, 2511-2521 | 1.5 | 23 |

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| 12 | A survey on the applications of the Krein-space theory in signal estimation. <i>Systems Science and Control Engineering</i> , 2014 , 2, 143-149 | 2 | 24 |
| 11 | State-saturated H _∞ filtering with randomly occurring nonlinearities and packet dropouts: the finite-horizon case. <i>International Journal of Robust and Nonlinear Control</i> , 2013 , 23, 1803-1821 | 3.6 | 24 |
| 10 | H _∞ state estimation for complex networks with uncertain inner coupling and incomplete measurements. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 2027-37 | 10.3 | 187 |
| 9 | Finite-Horizon H _∞ Filtering With Missing Measurements and Quantization Effects. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 1707-1718 | 5.9 | 180 |
| 8 | H _∞ filtering with randomly occurring sensor saturations and missing measurements. <i>Automatica</i> , 2012 , 48, 556-562 | 5.7 | 201 |
| 7 | Sampled-Data Synchronization Control of Dynamical Networks With Stochastic Sampling. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 2644-2650 | 5.9 | 233 |
| 6 | Bounded H _∞ synchronization and state estimation for discrete time-varying stochastic complex networks over a finite horizon. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 145-57 | | 235 |
| 5 | Sampled-data H _∞ filtering for stochastic genetic regulatory networks. <i>International Journal of Robust and Nonlinear Control</i> , 2011 , 21, 1759-1777 | 3.6 | 54 |
| 4 | Distributed . <i>Automatica</i> , 2010 , 46, 1682-1688 | 5.7 | 380 |
| 3 | On Nonlinear H _∞ Filtering for Discrete-Time Stochastic Systems With Missing Measurements. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 2170-2180 | 5.9 | 134 |
| 2 | Stubborn state estimation for complex-valued neural networks with mixed time delays: the discrete time case. <i>Neural Computing and Applications</i> , 1 | 4.8 | 1 |
| 1 | Recursive filtering for mobile robot localization under an energy harvesting sensor. <i>Asian Journal of Control</i> , | 1.7 | 2 |