

Tongwen Chen

List of Publications by Year in descending order

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444
papers

24,968
citations

5896

81
h-index

9589

142
g-index

447
all docs

447
docs citations

447
times ranked

7478
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Sampled-Data Control Systems. , 1995, , .		1,342
2	A new delay system approach to network-based control. Automatica, 2008, 44, 39-52.	5.0	1,189
3	A new method for stabilization of networked control systems with random delays. IEEE Transactions on Automatic Control, 2005, 50, 1177-1181.	5.7	757
4	New Results on Stability of Discrete-Time Systems With Time-Varying State Delay. IEEE Transactions on Automatic Control, 2007, 52, 328-334.	5.7	612
5	\mathcal{H}_∞ Estimation for Uncertain Systems With Limited Communication Capacity. IEEE Transactions on Automatic Control, 2007, 52, 2070-2084.	5.7	552
6	Event based agreement protocols for multi-agent networks. Automatica, 2013, 49, 2125-2132.	5.0	483
7	Robust H_∞ filtering for uncertain markovian jump systems with mode-dependent time delays. IEEE Transactions on Automatic Control, 2003, 48, 900-907.	5.7	470
8	Design of Networked Control Systems With Packet Dropouts. IEEE Transactions on Automatic Control, 2007, 52, 1314-1319.	5.7	421
9	Gradient based iterative algorithms for solving a class of matrix equations. IEEE Transactions on Automatic Control, 2005, 50, 1216-1221.	5.7	416
10	Network-Based \mathcal{H}_∞ Output Tracking Control. IEEE Transactions on Automatic Control, 2008, 53, 655-667.	5.7	385
11	Robust H_∞ control for uncertain stochastic systems with state delay. IEEE Transactions on Automatic Control, 2002, 47, 2089-2094.	5.7	381
12	Identification of Hammerstein nonlinear ARMAX systems. Automatica, 2005, 41, 1479-1489.	5.0	365
13	Iterative least-squares solutions of coupled Sylvester matrix equations. Systems and Control Letters, 2005, 54, 95-107.	2.3	360
14	A new approach to quantized feedback control systems. Automatica, 2008, 44, 534-542.	5.0	342
15	On Iterative Solutions of General Coupled Matrix Equations. SIAM Journal on Control and Optimization, 2006, 44, 2269-2284.	2.1	324
16	Stabilization of Networked Control Systems With a New Delay Characterization. IEEE Transactions on Automatic Control, 2008, 53, 2142-2148.	5.7	323
17	Combined parameter and output estimation of dual-rate systems using an auxiliary model. Automatica, 2004, 40, 1739-1748.	5.0	313
18	Performance analysis of multi-innovation gradient type identification methods. Automatica, 2007, 43, 1-14.	5.0	302

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19	Hierarchical gradient-based identification of multivariable discrete-time systems. <i>Automatica</i> , 2005, 41, 315-325.	5.0	299
20	Hierarchical least squares identification methods for multivariable systems. <i>IEEE Transactions on Automatic Control</i> , 2005, 50, 397-402.	5.7	290
21	Reconstruction of continuous-time systems from their non-uniformly sampled discrete-time systems. <i>Automatica</i> , 2009, 45, 324-332.	5.0	249
22	Auxiliary model-based least-squares identification methods for Hammerstein output-error systems. <i>Systems and Control Letters</i> , 2007, 56, 373-380.	2.3	245
23	Stabilization of Nonlinear Systems Under Variable Sampling: A Fuzzy Control Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2007, 15, 972-983.	9.8	239
24	Input-output stability of sampled-data systems. <i>IEEE Transactions on Automatic Control</i> , 1991, 36, 50-58.	5.7	224
25	H ∞ design of general multirate sampled-data control systems. <i>Automatica</i> , 1994, 30, 1139-1152.	5.0	224
26	Wide-Area Control of Power Systems Through Delayed Network Communication. <i>IEEE Transactions on Control Systems Technology</i> , 2012, 20, 495-503.	5.2	219
27	Parameter estimation of dual-rate stochastic systems by using an output error method. <i>IEEE Transactions on Automatic Control</i> , 2005, 50, 1436-1441.	5.7	215
28	Optimal filtering with random sensor delay, multiple packet dropout and uncertain observations. <i>International Journal of Control</i> , 2007, 80, 292-301.	1.9	201
29	Hierarchical identification of lifted state-space models for general dual-rate systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005, 52, 1179-1187.	0.1	196
30	Optimal H_2 Filtering in Networked Control Systems With Multiple Packet Dropout. <i>IEEE Transactions on Automatic Control</i> , 2007, 52, 1508-1513.	5.7	183
31	An Overview of Industrial Alarm Systems: Main Causes for Alarm Overloading, Research Status, and Open Problems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2016, 13, 1045-1061.	5.2	181
32	IMC design for unstable processes with time delays. <i>Journal of Process Control</i> , 2003, 13, 203-213.	3.3	178
33	H ₂ -optimal sampled-data control. <i>IEEE Transactions on Automatic Control</i> , 1991, 36, 387-397.	5.7	174
34	Optimal filtering in networked control systems with multiple packet dropouts. <i>Systems and Control Letters</i> , 2008, 57, 696-702.	2.3	174
35	Robust fault detection with missing measurements. <i>International Journal of Control</i> , 2008, 81, 804-819.	1.9	171
36	H ∞ output feedback control for uncertain stochastic systems with time-varying delays. <i>Automatica</i> , 2004, 40, 2091-2098.	5.0	163

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37	Event-triggered maximum likelihood state estimation. <i>Automatica</i> , 2014, 50, 247-254.	5.0	163
38	Detection Against Linear Deception Attacks on Multi-Sensor Remote State Estimation. <i>IEEE Transactions on Control of Network Systems</i> , 2018, 5, 846-856.	3.7	161
39	Voltage Stability Monitoring Based on the Concept of Coupled Single-Port Circuit. <i>IEEE Transactions on Power Systems</i> , 2011, 26, 2154-2163.	6.5	154
40	Comparison of some well-known PID tuning formulas. <i>Computers and Chemical Engineering</i> , 2006, 30, 1416-1423.	3.8	152
41	Passivity and Passification for Networked Control Systems. <i>SIAM Journal on Control and Optimization</i> , 2007, 46, 1299-1322.	2.1	152
42	Analysis and control of a nonlinear boiler-turbine unit. <i>Journal of Process Control</i> , 2005, 15, 883-891.	3.3	148
43	∞ Fuzzy Control of Nonlinear Systems Under Unreliable Communication Links. <i>IEEE Transactions on Fuzzy Systems</i> , 2009, 17, 265-278.	9.8	148
44	Direct Causality Detection via the Transfer Entropy Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2013, 21, 2052-2066.	5.2	143
45	An event-triggered approach to state estimation with multiple point- and set-valued measurements. <i>Automatica</i> , 2014, 50, 1641-1648.	5.0	140
46	Identification of fast-rate models from multirate data. <i>International Journal of Control</i> , 2001, 74, 680-689.	1.9	139
47	Robust H^∞ filtering for uncertain impulsive stochastic systems under sampled measurements. <i>Automatica</i> , 2003, 39, 509-516.	5.0	134
48	Optimal Sampling and Performance Comparison of Periodic and Event Based Impulse Control. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 3252-3259.	5.7	130
49	Robust H^∞ control for uncertain discrete stochastic time-delay systems. <i>Systems and Control Letters</i> , 2004, 51, 203-215.	2.3	129
50	Performance analysis of estimation algorithms of nonstationary ARMA processes. <i>IEEE Transactions on Signal Processing</i> , 2006, 54, 1041-1053.	5.3	129
51	Performance bounds of forgetting factor least-squares algorithms for time-varying systems with finite measurement data. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005, 52, 555-566.	0.1	128
52	False Data Injection Attacks on Networked Control Systems: A Stackelberg Game Analysis. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 3503-3509.	5.7	122
53	Reduced-order H^∞ filtering for stochastic systems. <i>IEEE Transactions on Signal Processing</i> , 2002, 50, 2998-3007.	5.3	118
54	Gradient-Based Identification Methods for Hammerstein Nonlinear ARMAX Models. <i>Nonlinear Dynamics</i> , 2006, 45, 31-43.	5.2	116

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55	Adaptive Digital Control of Hammerstein Nonlinear Systems with Limited Output Sampling. SIAM Journal on Control and Optimization, 2007, 45, 2257-2276.	2.1	115
56	Bias compensation based recursive least-squares identification algorithm for MISO systems. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 349-353.	2.2	111
57	Improved correlation analysis and visualization of industrial alarm data. ISA Transactions, 2012, 51, 499-506.	5.7	106
58	Identification of dual-rate systems based on finite impulse response models. International Journal of Adaptive Control and Signal Processing, 2004, 18, 589-598.	4.1	105
59	Data-driven predictive control for solid oxide fuel cells. Journal of Process Control, 2007, 17, 103-114.	3.3	102
60	Pattern matching of alarm flood sequences by a modified Smith-Waterman algorithm. Chemical Engineering Research and Design, 2013, 91, 1085-1094.	5.6	102
61	Multi-rate stochastic filtering for networked multi-sensor fusion. Automatica, 2010, 46, 437-444.	5.0	101
62	Design of multirate filter banks by \hat{a} optimization. IEEE Transactions on Signal Processing, 1995, 43, 2822-2830.	5.3	99
63	Generalized predictive control for non-uniformly sampled systems. Journal of Process Control, 2002, 12, 875-885.	3.3	99
64	Event triggered robust filter design for discrete-time systems. IET Control Theory and Applications, 2014, 8, 104-113.	2.1	99
65	A Parameter-Dependent Approach to Robust H_{∞} Filtering for Time-Delay Systems. IEEE Transactions on Automatic Control, 2008, 53, 2420-2425.	5.7	98
66	Optimal Linear State Estimator With Multiple Packet Dropouts. IEEE Transactions on Automatic Control, 2010, 55, 1428-1433.	5.7	97
67	On expected detection delays for alarm systems with deadbands and delay-timers. Journal of Process Control, 2011, 21, 1318-1331.	3.3	96
68	A new design of robust filters for uncertain systems. Systems and Control Letters, 2008, 57, 585-593.	2.3	94
69	On Set-Valued Kalman Filtering and Its Application to Event-Based State Estimation. IEEE Transactions on Automatic Control, 2015, 60, 1275-1290.	5.7	94
70	Complex emergent dynamics of anisotropic swarms: Convergence vs oscillation. Chaos, Solitons and Fractals, 2006, 30, 875-885.	5.1	93
71	Analysis of dual-rate inferential control systems. Automatica, 2002, 38, 1053-1059.	5.0	92
72	Delay-dependent robust stability and control for jump linear systems with delays. Systems and Control Letters, 2006, 55, 939-948.	2.3	92

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73	Similarity Analysis of Industrial Alarm Flood Data. IEEE Transactions on Automation Science and Engineering, 2013, 10, 452-457.	5.2	92
74	Robust H_∞ control for uncertain discrete-time systems with time-varying delays via exponential output feedback controllers. Systems and Control Letters, 2004, 51, 171-183.	2.3	91
75	Performance Assessment and Design for Univariate Alarm Systems Based on FAR, MAR, and AAD. IEEE Transactions on Automation Science and Engineering, 2012, 9, 296-307.	5.2	91
76	A delay-dependent approach to robust H_∞ filtering for uncertain distributed delay systems. IEEE Transactions on Signal Processing, 2005, 53, 3764-3772.	5.3	89
77	Multivariable robust controller design for a boiler system. IEEE Transactions on Control Systems Technology, 2002, 10, 735-742.	5.2	88
78	Stabilization of remote control systems with unknown time varying delays by LMI techniques. International Journal of Control, 2006, 79, 752-763.	1.9	88
79	Optimal filtering for multirate systems. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2005, 52, 228-232.	2.2	87
80	An LMI Approach to the H_∞ Filter Design for Uncertain Systems With Distributed Delays. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2004, 51, 195-201.	2.2	86
81	Continuous-time model identification of fractional-order models with time delays. IET Control Theory and Applications, 2011, 5, 900-912.	2.1	85
82	Nonlinear diffusion with multiple edginess thresholds. Pattern Recognition, 1994, 27, 1029-1037.	8.1	82
83	Application of dual-rate modeling to CCR octane quality inferential control. IEEE Transactions on Control Systems Technology, 2003, 11, 43-51.	5.2	82
84	Multirate sampled-data systems: computing fast-rate models. Journal of Process Control, 2004, 14, 79-88.	3.3	82
85	On Finite-State Stochastic Modeling and Secure Estimation of Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2017, 62, 65-80.	5.7	82
86	Event-based state estimation of linear dynamic systems with unknown exogenous inputs. Automatica, 2016, 69, 275-288.	5.0	81
87	Adaptive output feedback control of general MIMO systems using multirate sampling and its application to a cart crane system. Automatica, 2007, 43, 2077-2085.	5.0	79
88	A technique for optimal digital redesign of analog controllers. IEEE Transactions on Control Systems Technology, 1997, 5, 89-99.	5.2	78
89	On the 2-induced norm of a sampled-data system. Systems and Control Letters, 1990, 15, 211-219.	2.3	77
90	Synchronous Hybrid Event- and Time-Driven Consensus in Multiagent Networks With Time Delays. IEEE Transactions on Cybernetics, 2016, 46, 1165-1174.	9.5	77

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91	Stabilization of Networked Control Systems via Dynamic Output-Feedback Controllers. SIAM Journal on Control and Optimization, 2010, 48, 3643-3658.	2.1	76
92	Sampled-data consensus in switching networks of integrators based on edge events. International Journal of Control, 2015, 88, 391-402.	1.9	76
93	Multirate crosstalk identification in xDSL systems. IEEE Transactions on Communications, 2006, 54, 1878-1886.	7.8	75
94	Methods for root cause diagnosis of plant-wide oscillations. AIChE Journal, 2014, 60, 2019-2034.	3.6	75
95	Self-organized motion in anisotropic swarms. Journal of Control Theory and Applications, 2003, 1, 77-81.	0.8	73
96	Sampled-Data Consensus for Multiple Double Integrators With Arbitrary Sampling. IEEE Transactions on Automatic Control, 2012, 57, 3230-3235.	5.7	71
97	Multimodel analysis and controller design for nonlinear processes. Computers and Chemical Engineering, 2004, 28, 2667-2675.	3.8	69
98	Multi-rate optimal state estimation. International Journal of Control, 2009, 82, 2059-2076.	1.9	69
99	Finite-Time Consensus in Networks of Integrator-Like Dynamic Agents With Directional Link Failure. IEEE Transactions on Automatic Control, 2014, 59, 756-762.	5.7	68
100	H_2 -optimal design of multirate sampled-data systems. IEEE Transactions on Automatic Control, 1994, 39, 2506-2511.	5.7	66
101	A Framework for Optimal Design of Alarm Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 651-656.	0.4	65
102	Multirate sampled-data systems: all H_2 suboptimal controllers and the minimum entropy controller. IEEE Transactions on Automatic Control, 1999, 44, 537-550.	5.7	64
103	Ripple-free conditions for lifted multirate control systems. Automatica, 2001, 37, 1637-1645.	5.0	63
104	Least squares based self-tuning control of dual-rate systems. International Journal of Adaptive Control and Signal Processing, 2004, 18, 697-714.	4.1	63
105	Multirate sampled-data systems: all H_2 suboptimal controllers and the minimum entropy controller. IEEE Transactions on Automatic Control, 1999, 44, 537-550.	5.0	63
106	Study of generalized delay-timers in alarm configuration. Journal of Process Control, 2013, 23, 382-395.	3.3	63
107	Sampled-data consensus in multi-agent systems with asynchronous hybrid event-time driven interactions. Systems and Control Letters, 2016, 89, 24-34.	2.3	63
108	Detection of Frequent Alarm Patterns in Industrial Alarm Floods Using Itemset Mining Methods. IEEE Transactions on Industrial Electronics, 2018, 65, 7290-7300.	7.9	62

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109	Event-triggered formation tracking control of nonholonomic mobile robots without velocity measurements. <i>Automatica</i> , 2020, 112, 108671.	5.0	60
110	Multirate Minimum Variance Control Design and Control Performance Assessment: A Data-Driven Subspace Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2007, 15, 65-74.	5.2	59
111	Event-based state estimation of discrete-state hidden Markov models. <i>Automatica</i> , 2016, 65, 12-26.	5.0	57
112	Event-Triggered Optimal Dynamic Formation of Heterogeneous Affine Nonlinear Multiagent Systems. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 497-512.	5.7	57
113	Event detection and control co-design of sampled-data systems. <i>International Journal of Control</i> , 2014, 87, 777-786.	1.9	56
114	Connectivity preservation for multi-agent rendezvous with link failure. <i>Automatica</i> , 2012, 48, 25-35.	5.0	55
115	Simultaneous stabilization with near-optimal H^∞ performance. <i>IEEE Transactions on Automatic Control</i> , 2002, 47, 1986-1998.	5.7	54
116	Robust Controller Design And Pid Tuning For Multivariable Processes. <i>Asian Journal of Control</i> , 2002, 4, 439-451.	3.0	54
117	Transfer Zero-Entropy and Its Application for Capturing Cause and Effect Relationship Between Variables. <i>IEEE Transactions on Control Systems Technology</i> , 2015, 23, 855-867.	5.2	54
118	Adaptive Consensus in Leader-Following Networks of Heterogeneous Linear Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2018, 5, 1169-1176.	3.7	54
119	Robust H^∞ control for uncertain discrete-time stochastic bilinear systems with Markovian switching. <i>International Journal of Robust and Nonlinear Control</i> , 2005, 15, 201-217.	3.7	53
120	Graphical tools for routine assessment of industrial alarm systems. <i>Computers and Chemical Engineering</i> , 2012, 46, 39-47.	3.8	53
121	2-Norm Based Recursive Design of Transmultiplexers with Designable Filter Length. <i>Circuits, Systems, and Signal Processing</i> , 2006, 25, 447-462.	2.0	52
122	Robust H^∞ Filtering For Uncertain Stochastic Time-varying Delay Systems. <i>Asian Journal of Control</i> , 2003, 5, 364-373.	3.0	52
123	Estimation of alarm chattering. <i>Journal of Process Control</i> , 2011, 21, 1243-1249.	3.3	51
124	Quantification of alarm chatter based on run length distributions. <i>Chemical Engineering Research and Design</i> , 2013, 91, 2550-2558.	5.6	51
125	Optimal Alarm Signal Processing: Filter Design and Performance Analysis. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013, 10, 446-451.	5.2	51
126	A local alignment approach to similarity analysis of industrial alarm flood sequences. <i>Control Engineering Practice</i> , 2016, 55, 13-25.	5.5	51

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127	Event-Triggered Bipartite Consensus for Multiagent Systems: A Zeno-Free Analysis. IEEE Transactions on Automatic Control, 2020, 65, 4866-4873.	5.7	51
128	Model predictive control for networked control systems. International Journal of Robust and Nonlinear Control, 2009, 19, 1016-1035.	3.7	50
129	Detection of Correlated Alarms Based on Similarity Coefficients of Binary Data. IEEE Transactions on Automation Science and Engineering, 2013, 10, 1014-1025.	5.2	47
130	An optimal scheme for fast rate fault detection based on multirate sampled data. Journal of Process Control, 2005, 15, 307-319.	3.3	46
131	Linear time-varying H2-optimal control of sampled-data systems. Automatica, 1991, 27, 963-974.	5.0	45
132	A new method to detect and quantify correlated alarms with occurrence delays. Computers and Chemical Engineering, 2015, 80, 189-198.	3.8	45
133	Cause-effect analysis of industrial alarm variables using transfer entropies. Control Engineering Practice, 2017, 64, 205-214.	5.5	45
134	Event-Triggered State Estimation With an Energy Harvesting Sensor. IEEE Transactions on Automatic Control, 2017, 62, 4768-4775.	5.7	45
135	\$H_{\infty}\$ Model Reduction in the Stochastic Framework. SIAM Journal on Control and Optimization, 2003, 42, 1293-1309.	2.1	44
136	Cyclo-period estimation for discrete-time cyclo-stationary signals. IEEE Transactions on Signal Processing, 2006, 54, 83-94.	5.3	43
137	A GRADIENT BASED ADAPTIVE CONTROL ALGORITHM FOR DUAL-RATE SYSTEMS. Asian Journal of Control, 2006, 8, 314-323.	3.0	43
138	A New Scheme on Robust Observer-Based Control Design for Interconnected Systems With Application to an Industrial Utility Boiler. IEEE Transactions on Control Systems Technology, 2008, 16, 539-547.	5.2	43
139	A method for pattern mining in multiple alarm flood sequences. Chemical Engineering Research and Design, 2017, 117, 831-839.	5.6	43
140	A Tradeoff Approach for Optimal Event-Triggered Fault Detection. IEEE Transactions on Industrial Electronics, 2019, 66, 2111-2121.	7.9	43
141	An online method to remove chattering and repeating alarms based on alarm durations and intervals. Computers and Chemical Engineering, 2014, 67, 43-52.	3.8	42
142	A Uniform Analysis on Input-to-State Stability of Decentralized Event-Triggered Control Systems. IEEE Transactions on Automatic Control, 2019, 64, 3423-3430.	5.7	42
143	Optimal design of multichannel transmultiplexers with stopband energy and passband magnitude constraints. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2003, 50, 659-662.	2.2	41
144	Identification of Hammerstein systems without explicit parameterisation of non-linearity. International Journal of Control, 2009, 82, 937-952.	1.9	41

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145	Event Based Pulse-Modulated Control of Linear Stochastic Systems. IEEE Transactions on Automatic Control, 2014, 59, 2144-2150.	5.7	40
146	Event-Based State Estimation. Studies in Systems, Decision and Control, 2016, , .	1.0	40
147	Linear periodically time-varying discrete-time systems: Aliasing and LTI approximations. Systems and Control Letters, 1997, 30, 225-235.	2.3	39
148	Norm invariant discretization for sampled-data fault detection. Automatica, 2005, 41, 1633-1637.	5.0	39
149	Effects of network communications on a class of learning controlled non-linear systemsâ€. International Journal of Systems Science, 2009, 40, 757-767.	5.5	39
150	Identification of linear dynamic systems operating in a networked environment. Automatica, 2009, 45, 2763-2772.	5.0	39
151	Design Considerations for Wireless Networked Control Systems. IEEE Transactions on Industrial Electronics, 2016, 63, 5547-5557.	7.9	39
152	General multirate building structures with application to nonuniform filter banks. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 948-958.	2.2	38
153	Representations of linear periodically time-varying and multirate systems. IEEE Transactions on Signal Processing, 2002, 50, 2221-2229.	5.3	38
154	Decentralized robust PI controller design for an industrial boiler. Journal of Process Control, 2009, 19, 216-230.	3.3	38
155	New Design of Robust H_{∞} Filters for 2-D Systems. IEEE Signal Processing Letters, 2008, 15, 217-220.	3.6	37
156	H_{∞} filter design for discrete delay systems: a new parameter-dependent approach. International Journal of Control, 2009, 82, 993-1005.	1.9	37
157	Analysis and design of time-deadbands for univariate alarm systems. Control Engineering Practice, 2018, 71, 96-107.	5.5	37
158	An Intrusion Detection System for Cyber Attacks in Wireless Networked Control Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1049-1053.	3.0	36
159	Online pattern matching and prediction of incoming alarm floods. Journal of Process Control, 2017, 56, 69-78.	3.3	35
160	A method to remove chattering alarms using median filters. ISA Transactions, 2018, 73, 201-207.	5.7	35
161	Framework for a smart data analytics platform towards process monitoring and alarm management. Computers and Chemical Engineering, 2018, 114, 225-244.	3.8	35
162	An approach to fast rate fault detection for multirate sampled-data systems. Journal of Process Control, 2006, 16, 651-658.	3.3	34

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163	Discovering Association Rules of Mode-Dependent Alarms From Alarm and Event Logs. IEEE Transactions on Control Systems Technology, 2018, 26, 971-983.	5.2	34
164	On Zeno Behavior in Event-Triggered Finite-Time Consensus of Multiagent Systems. IEEE Transactions on Automatic Control, 2021, 66, 4700-4714.	5.7	34
165	filtering for nonuniformly sampled systems: A Markovian jump systems approach. Systems and Control Letters, 2011, 60, 871-876.	2.3	32
166	Process Monitoring for Multimodal Processes With Mode-Reachability Constraints. IEEE Transactions on Industrial Electronics, 2017, 64, 4325-4335.	7.9	32
167	Consensus in time-delayed multi-agent systems with quantized dwell times. Systems and Control Letters, 2017, 104, 59-65.	2.3	32
168	Network Parameter Coordinated False Data Injection Attacks Against Power System AC State Estimation. IEEE Transactions on Smart Grid, 2021, 12, 1626-1639.	9.0	32
169	Design of multichannel nonuniform transmultiplexers using general building blocks. IEEE Transactions on Signal Processing, 2001, 49, 91-99.	5.3	31
170	An accelerated alignment method for analyzing time sequences of industrial alarm floods. Journal of Process Control, 2017, 57, 102-115.	3.3	31
171	Iterative solutions of coupled discrete Markovian jump Lyapunov equations. Computers and Mathematics With Applications, 2008, 55, 843-850.	2.7	30
172	Self-triggered model predictive control for networked control systems based on first-order hold. International Journal of Robust and Nonlinear Control, 2018, 28, 1303-1318.	3.7	30
173	Robust Stability of Networked Linear Control Systems With Asynchronous Continuous- and Discrete-Time Event-Triggering Schemes. IEEE Transactions on Automatic Control, 2021, 66, 932-939.	5.7	30
174	Optimal stealthy integrity attacks on remote state estimation: The maximum utilization of historical data. Automatica, 2021, 128, 109555.	5.0	30
175	Closed-loop identification via output fast sampling. Journal of Process Control, 2004, 14, 555-570.	3.3	29
176	An online method for detection and reduction of chattering alarms due to oscillation. Computers and Chemical Engineering, 2013, 54, 140-150.	3.8	29
177	Optimal Linear Encryption Against Stealthy Attacks on Remote State Estimation. IEEE Transactions on Automatic Control, 2021, 66, 3592-3607.	5.7	29
178	Optimality and stability of event triggered consensus state estimation for wireless sensor networks. , 2014, , .		28
179	Pulse width modulation for multi-agent systems. Automatica, 2016, 70, 173-178.	5.0	28
180	Joint Admittance Perturbation and Meter Protection for Mitigating Stealthy FDI Attacks Against Power System State Estimation. IEEE Transactions on Power Systems, 2020, 35, 1468-1478.	6.5	28

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181	On impedance matching and maximum power transfer. Electric Power Systems Research, 2010, 80, 1082-1088.	3.6	27
182	H ∞ -optimal sampled-data control: Computation and designs. Automatica, 1996, 32, 223-228.	5.0	26
183	Nonuniform multirate filter banks: analysis and design with an $\hat{\sigma}$ performance measure. IEEE Transactions on Signal Processing, 1997, 45, 572-582.	5.3	24
184	Early Classification of Alarm Floods via Exponentially Attenuated Component Analysis. IEEE Transactions on Industrial Electronics, 2020, 67, 8702-8712.	7.9	24
185	Approximate optimal periodic scheduling of multiple sensors with constraints. Automatica, 2013, 49, 993-1000.	5.0	23
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