Hui-Jun Gao

List of Publications by Year
in descending order

394 papers	37,660 citations	1172 111 h-index	3323 184 g-index
402 all docs	402 docs citations	402 times ranked	11804 citing authors

#	Article	IF	Citations
1	A new delay system approach to network-based control. Automatica, 2008, 44, 39-52.	5.0	1,189
2	Network-Induced Constraints in Networked Control Systems—A Survey. IEEE Transactions on Industrial Informatics, 2013, 9, 403-416.	11.3	915
3	Asynchronously switched control of switched linear systems with average dwell time. Automatica, 2010, 46, 953-958.	5.0	700
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	Reliable Fuzzy Control for Active Suspension Systems With Actuator Delay and Fault. IEEE Transactions on Fuzzy Systems, 2012, 20, 342-357.	9.8	566
6	State Estimation and Sliding-Mode Control of Markovian Jump Singular Systems. IEEE Transactions on Automatic Control, 2010, 55, 1213-1219.	5.7	559
7	${cal H}_{infty}$ Estimation for Uncertain Systems With Limited Communication Capacity. IEEE Transactions on Automatic Control, 2007, 52, 2070-2084.	5.7	552
8	A Combined Adaptive Neural Network and Nonlinear Model Predictive Control for Multirate Networked Industrial Process Control. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 416-425.	11.3	523
9	Fault-tolerant control of Markovian jump stochastic systems via the augmented sliding mode observer approach. Automatica, 2014, 50, 1825-1834.	5.0	515
10	On robust stabilization of Markovian jump systems with uncertain switching probabilities. Automatica, 2005, 41, 897-903.	5.0	489
11	Notice of Violation of IEEE Publication Principles: New Delay-Dependent Exponential H_{infty} Synchronization for Uncertain Neural Networks With Mixed Time Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 173-185.	5.0	428
12	Observer-Based Fuzzy Adaptive Event-Triggered Control for Pure-Feedback Nonlinear Systems With Prescribed Performance. IEEE Transactions on Fuzzy Systems, 2019, 27, 2152-2162.	9.8	421
13	Fuzzy-Model-Based Reliable Static Output Feedback $mathscr{H}_{infty }$ Control of Nonlinear Hyperbolic PDE Systems. IEEE Transactions on Fuzzy Systems, 2016, 24, 388-400.	9.8	394
14	A Delay-Dependent Approach to Robust<tex>H_infty</tex>Filtering for Uncertain Discrete-Time State-Delayed Systems. IEEE Transactions on Signal Processing, 2004, 52, 1631-1640.	5.3	371
15	Finite Frequency $H_{infty }$ Control for Vehicle Active Suspension Systems. IEEE Transactions on Control Systems Technology, 2011, 19, 416-422.	5.2	370
16	Adaptive Backstepping Control for Active Suspension Systems With Hard Constraints. IEEE/ASME Transactions on Mechatronics, 2013, 18, 1072-1079.	5.8	365
17	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si10.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="script">H</mml:mi></mml:mrow><mml:mrow><mml:mi>∞</mml:mi></mml:mrow></mml:msub></mml:math> filtering for 2D Markovian jump systems. Automatica, 2008, 44, 1849-1858.	5.0	360
18	Distributed ${cal H}_{infty}$ Filtering for a Class of Markovian Jump Nonlinear Time-Delay Systems Over Lossy Sensor Networks. IEEE Transactions on Industrial Electronics, 2013, 60, 4665-4672.	7.9	360

#	Article	IF	Citations
19	A variance-constrained approach to recursive state estimation for time-varying complex networks with missing measurements. Automatica, 2016, 64, 155-162.	5.0	350
20	A new approach to quantized feedback control systems. Automatica, 2008, 44, 534-542.	5.0	342
21	Robust Sliding Mode Control for Discrete Stochastic Systems With Mixed Time Delays, Randomly Occurring Uncertainties, and Randomly Occurring Nonlinearities. IEEE Transactions on Industrial Electronics, 2012, 59, 3008-3015.	7.9	340
22	Robust Sampled-Data H_{infty} Control for Vehicle Active Suspension Systems. IEEE Transactions on Control Systems Technology, 2010, 18, 238-245.	5.2	332
23	Stabilization of Networked Control Systems With a New Delay Characterization. IEEE Transactions on Automatic Control, 2008, 53, 2142-2148.	5.7	323
24	New criteria for synchronization stability of general complex dynamical networks with coupling delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 360, 263-273.	2.1	321
25	Quantised recursive filtering for a class of nonlinear systems with multiplicative noises and missing measurements. International Journal of Control, 2013, 86, 650-663.	1.9	320
26	Recent Advances on Fuzzy-Model-Based Nonlinear Networked Control Systems: A Survey. IEEE Transactions on Industrial Electronics, 2016, 63, 1207-1217.	7.9	320
27	Fuzzy-Model-Based Piecewise ${mathscr H}_{infty }$ Static-Output-Feedback Controller Design for Networked Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2010, 18, 919-934.	9.8	311
28	Network-based feedback control for systems with mixed delays based on quantization and dropout compensation. Automatica, 2011, 47, 2805-2809.	5.0	307
29	Stability analysis for continuous systems with two additive time-varying delay components. Systems and Control Letters, 2007, 56, 16-24.	2.3	306
30	Extended Kalman filtering with stochastic nonlinearities and multiple missing measurements. Automatica, 2012, 48, 2007-2015.	5.0	303
31	Second-order consensus for multi-agent systems with switching topology and communication delay. Systems and Control Letters, 2011, 60, 390-397.	2.3	300
32	Robust sampled-data <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si21.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>âˆž</mml:mi></mml:mrow></mml:m control with stochastic sampling. Automatica, 2009, 45, 1729-1736.	5.0	299
33	New approach to mixed H/sub 2//H/sub /spl infin// filtering for polytopic discrete-time systems. IEEE Transactions on Signal Processing, 2005, 53, 3183-3192.	5.3	294
34	Delay-dependent robust H/sub âˆž/ and L/sub 2/-L/sub âˆž/ filtering for a class of uncertain nonlinear time-delay systems. IEEE Transactions on Automatic Control, 2003, 48, 1661-1666.	5.7	289
35	Leader-following consensus of a class of stochastic delayed multi-agent systems with partial mixed impulses. Automatica, 2015, 53, 346-354.	5.0	285
36	On the Bipartite Consensus for Generic Linear Multiagent Systems With Input Saturation. IEEE Transactions on Cybernetics, 2017, 47, 1948-1958.	9.5	285

#	Article	IF	Citations
37	Adaptive Fuzzy Control for Nontriangular Structural Stochastic Switched Nonlinear Systems With Full State Constraints. IEEE Transactions on Fuzzy Systems, 2019, 27, 1587-1601.	9.8	285
38	Robust energy-to-peak filter design for stochastic time-delay systems. Systems and Control Letters, 2006, 55, 101-111.	2.3	278
39	Synchronization in complex networks and its application â€" A survey of recent advances and challenges. Annual Reviews in Control, 2014, 38, 184-198.	7.9	274
40	Stability and Stabilization of Delayed T--S Fuzzy Systems: A Delay Partitioning Approach. IEEE Transactions on Fuzzy Systems, 2009, 17, 750-762.	9.8	273
41	Distributed Synchronization in Networks of Agent Systems With Nonlinearities and Random Switchings. IEEE Transactions on Cybernetics, 2013, 43, 358-370.	9.5	271
42	$H_{m infty}$ Fuzzy Filtering of Nonlinear Systems With Intermittent Measurements. IEEE Transactions on Fuzzy Systems, 2009, 17, 291-300.	9.8	267
43	Robust H_{infty} Filtering for a Class of Nonlinear Networked Systems With Multiple Stochastic Communication Delays and Packet Dropouts. IEEE Transactions on Signal Processing, 2010, 58, 1957-1966.	5.3	264
44	Distributed k -Means Algorithm and Fuzzy c -Means Algorithm for Sensor Networks Based on Multiagent Consensus Theory. IEEE Transactions on Cybernetics, 2017, 47, 772-783.	9.5	260
45	Descriptor reduced-order sliding mode observers design for switched systems with sensor and actuator faults. Automatica, 2017, 76, 282-292.	5.0	255
46	Robust ${{cal H}}_{infty}$ Filtering for Markovian Jump Systems With Randomly Occurring Nonlinearities and Sensor Saturation: The Finite-Horizon Case. IEEE Transactions on Signal Processing, 2011, 59, 3048-3057.	5.3	240
47	Fuzzy-Model-Based Robust Fault Detection With Stochastic Mixed Time Delays and Successive Packet Dropouts. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 365-376.	5.0	240
48	Stabilization of Nonlinear Systems Under Variable Sampling: A Fuzzy Control Approach. IEEE Transactions on Fuzzy Systems, 2007, 15, 972-983.	9.8	239
49	Observer-Based Piecewise Affine Output Feedback Controller Synthesis of Continuous-Time Tâ€"S Fuzzy Affine Dynamic Systems Using Quantized Measurements. IEEE Transactions on Fuzzy Systems, 2012, 20, 1046-1062.	9.8	238
50	Comments and further results on "A descriptor system approach to H/sub /spl infin// control of linear time-delay systems". IEEE Transactions on Automatic Control, 2003, 48, 520-525.	5.7	236
51	Fault Detection for Markovian Jump Systems With Sensor Saturations and Randomly Varying Nonlinearities. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2354-2362.	5.4	226
52	Robust $H_{infty }$ Fuzzy Output-Feedback Control With Multiple Probabilistic Delays and Multiple Missing Measurements. IEEE Transactions on Fuzzy Systems, 2010, 18, 712-725.	9.8	224
53	Asynchronous Output-Feedback Control of Networked Nonlinear Systems With Multiple Packet Dropouts: Tâ€"S Fuzzy Affine Model-Based Approach. IEEE Transactions on Fuzzy Systems, 2011, 19, 1014-1030.	9.8	223
54	Adaptive Fuzzy Backstepping Control for A Class of Nonlinear Systems With Sampled and Delayed Measurements. IEEE Transactions on Fuzzy Systems, 2015, 23, 302-312.	9.8	222

#	Article	IF	Citations
55	Vibration Isolation for Active Suspensions With Performance Constraints and Actuator Saturation. IEEE/ASME Transactions on Mechatronics, 2015, 20, 675-683.	5.8	220
56	Multi-objective control of vehicle active suspension systems via load-dependent controllers. Journal of Sound and Vibration, 2006, 290, 654-675.	3.9	216
57	Fault Detection for Fuzzy Systems With Intermittent Measurements. IEEE Transactions on Fuzzy Systems, 2009, 17, 398-410.	9.8	216
58	Distributed Filtering for a Class of Time-Varying Systems Over Sensor Networks With Quantization Errors and Successive Packet Dropouts. IEEE Transactions on Signal Processing, 2012, 60, 3164-3173.	5.3	215
59	Finite-Horizon H_{∞} Filtering With Missing Measurements and Quantization Effects. IEEE Transactions on Automatic Control, 2013, 58, 1707-1718.	5.7	211
60	Adaptive Robust Vibration Control of Full-Car Active Suspensions With Electrohydraulic Actuators. IEEE Transactions on Control Systems Technology, 2013, 21, 2417-2422.	5.2	209
61	New results on stabilization of Markovian jump systems with time delay. Automatica, 2009, 45, 2300-2306.	5.0	199
62	Multi-Objective Robust H_{∞} Control of Spacecraft Rendezvous. IEEE Transactions on Control Systems Technology, 2009, 17, 794-802.	5.2	198
63	A New Criterion of Delay-Dependent Asymptotic Stability for Hopfield Neural Networks With Time Delay. IEEE Transactions on Neural Networks, 2008, 19, 532-535.	4.2	194
64	State Estimation for Discrete-Time Dynamical Networks With Time-Varying Delays and Stochastic Disturbances Under the Round-Robin Protocol. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1139-1151.	11.3	189
65	Command Filter-Based Adaptive NN Control for MIMO Nonlinear Systems With Full-State Constraints and Actuator Hysteresis. IEEE Transactions on Cybernetics, 2020, 50, 2905-2915.	9.5	185
66	Filter-Based Adaptive Vibration Control for Active Vehicle Suspensions With Electrohydraulic Actuators. IEEE Transactions on Vehicular Technology, 2016, 65, 4619-4626.	6.3	179
67	Adaptive sliding mode tracking control for a flexible air-breathing hypersonic vehicle. Journal of the Franklin Institute, 2012, 349, 559-577.	3.4	178
68	Stability Analysis and Stabilization for Discrete-Time Fuzzy Systems With Time-Varying Delay. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 306-317.	5.0	176
69	Disturbance Observer-Based Adaptive Tracking Control With Actuator Saturation and Its Application. IEEE Transactions on Automation Science and Engineering, 2016, 13, 868-875.	5.2	175
70	Joint state and fault estimation for time-varying nonlinear systems with randomly occurring faults and sensor saturations. Automatica, 2018, 97, 150-160.	5.0	174
71	α-Dissipativity analysis of singular time-delay systems. Automatica, 2011, 47, 2548-2552.	5.0	172
72	DSets-DBSCAN: A Parameter-Free Clustering Algorithm. IEEE Transactions on Image Processing, 2016, 25, 3182-3193.	9.8	172

#	Article	IF	Citations
73	A Sufficient Condition for Convergence of Sampled-Data Consensus for Double-Integrator Dynamics With Nonuniform and Time-Varying Communication Delays. IEEE Transactions on Automatic Control, 2012, 57, 2417-2422.	5.7	169
74	Consensus of multiple second-order vehicles with a time-varying reference signal under directed topology. Automatica, 2011, 47, 1983-1991.	5.0	168
75	Recursive filtering with random parameter matrices, multiple fading measurements and correlated noises. Automatica, 2013, 49, 3440-3448.	5.0	167
76	New Passivity Analysis for Neural Networks With Discrete and Distributed Delays. IEEE Transactions on Neural Networks, 2010, 21, 1842-1847.	4.2	165
77	Distributed Robust Synchronization of Dynamical Networks With Stochastic Coupling. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 1508-1519.	5.4	162
78	Observer-based <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="script">H</mml:mi></mml:mrow><mml:mrow><mml:mi>∞</mml:mi></mml:mrow></mml:msub></mml:math> control of networked systems with stochastic communication protocol: The finite-horizon case. Automatica, 2016, 63, 366-373.	5.0	162
79	Cluster synchronization in directed networks of partial-state coupled linear systems under pinning control. Automatica, 2014, 50, 2341-2349.	5.0	158
80	On H-infinity Estimation of Randomly Occurring Faults for A Class of Nonlinear Time-Varying Systems With Fading Channels. IEEE Transactions on Automatic Control, 2016, 61, 479-484.	5.7	158
81	Set-membership filtering for time-varying systems with mixed time-delays under Round-Robin and Weighted Try-Once-Discard protocols. Automatica, 2016, 74, 341-348.	5.0	153
82	Passivity and Passification for Networked Control Systems. SIAM Journal on Control and Optimization, 2007, 46, 1299-1322.	2.1	152
83	Novel Robust Stability Criteria for Stochastic Hopfield Neural Networks With Time Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 467-474.	5.0	152
84	Multi-objective control for uncertain nonlinear active suspension systems. Mechatronics, 2014, 24, 318-327.	3.3	151
85	Event-Based <formula formulatype="inline"><tex Notation="TeX">H_{infty}</tex></formula> Filter Design for a Class of Nonlinear Time-Varying Systems With Fading Channels and Multiplicative Noises. IEEE Transactions on Signal Processing, 2015, 63, 3387-3395.	5.3	151
86	Finite-horizon estimation of randomly occurring faults for a class of nonlinear time-varying systems. Automatica, 2014, 50, 3182-3189.	5.0	150
87	$H_{infty }$ Fuzzy Control of Nonlinear Systems Under Unreliable Communication Links. IEEE Transactions on Fuzzy Systems, 2009, 17, 265-278.	9.8	148
88	Nonsynchronized Robust Filtering Design for Continuous-Time T–S Fuzzy Affine Dynamic Systems Based on Piecewise Lyapunov Functions. IEEE Transactions on Cybernetics, 2013, 43, 1755-1766.	9.5	148
89	Robust H_{∞} filtering for switched linear discrete-time systems with polytopic uncertainties. International Journal of Adaptive Control and Signal Processing, 2006, 20, 291-304.	4.1	147
90	Robust Stability and Stabilization of Uncertain T–S Fuzzy Systems With Time-Varying Delay: An Input–Output Approach. IEEE Transactions on Fuzzy Systems, 2013, 21, 883-897.	9.8	147

#	Article	IF	Citations
91	Finite-horizon reliable control with randomly occurring uncertainties and nonlinearities subject to output quantization. Automatica, 2015, 52, 355-362.	5.0	144
92	Robust ${\cal H}_{\infty}$ Finite-Horizon Control for a Class of Stochastic Nonlinear Time-Varying Systems Subject to Sensor and Actuator Saturations. IEEE Transactions on Automatic Control, 2010, 55, 1716-1722.	5.7	143
93	Robust finite frequency H_∞ filtering for uncertain 2-D Roesser systems. Automatica, 2012, 48, 1163-1170.	5.0	143
94	Exponential Synchronization of Networked Chaotic Delayed Neural Network by a Hybrid Event Trigger Scheme. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2558-2567.	11.3	141
95	Variance-Constrained ${\cal H}_{\infty}$ Filtering for a Class of Nonlinear Time-Varying Systems With Multiple Missing Measurements: The Finite-Horizon Case. IEEE Transactions on Signal Processing, 2010, 58, 2534-2543.	5.3	139
96	Further Results on Exponential Estimates of Markovian Jump Systems With Mode-Dependent Time-Varying Delays. IEEE Transactions on Automatic Control, 2011, 56, 223-229.	5.7	135
97	${H}_{\infty }$ Filtering for Discrete-Time State-Delayed Systems With Finite Frequency Specifications. IEEE Transactions on Automatic Control, 2011, 56, 2935-2941.	5.7	134
98	Evolutionary Pinning Control and Its Application in UAV Coordination. IEEE Transactions on Industrial Informatics, 2012, 8, 828-838.	11.3	133
99	Two Time-Scale Tracking Control of Nonholonomic Wheeled Mobile Robots. IEEE Transactions on Control Systems Technology, 2016, 24, 2059-2069.	5.2	131
100	An Adaptive NN-Based Approach for Fault-Tolerant Control of Nonlinear Time-Varying Delay Systems With Unmodeled Dynamics. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1902-1913.	11.3	130
101	Networked Multirate Output Feedback Control for Setpoints Compensation and Its Application to Rougher Flotation Process. IEEE Transactions on Industrial Electronics, 2014, 61, 460-468.	7.9	129
102	A Bioinspired Dynamics-Based Adaptive Tracking Control for Nonlinear Suspension Systems. IEEE Transactions on Control Systems Technology, 2018, 26, 903-914.	5.2	129
103	Gain-Constrained Recursive Filtering With Stochastic Nonlinearities and Probabilistic Sensor Delays. IEEE Transactions on Signal Processing, 2013, 61, 1230-1238.	5.3	126
104	Adaptive Neural Control of Stochastic Nonlinear Time-Delay Systems With Multiple Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1875-1883.	9.3	126
105	Transient-Performance-Guaranteed Robust Adaptive Control and Its Application to Precision Motion Control Systems. IEEE Transactions on Industrial Electronics, 2016, 63, 6510-6518.	7.9	123
106	Performance-Based Adaptive Fuzzy Tracking Control for Networked Industrial Processes. IEEE Transactions on Cybernetics, 2016, 46, 1760-1770.	9.5	119
107	Fault Detection for Nonlinear Process With Deterministic Disturbances: A Just-In-Time Learning Based Data Driven Method. IEEE Transactions on Cybernetics, 2017, 47, 3649-3657.	9.5	118
108	Stabilization of linear systems with distributed input delay and input saturation. Automatica, 2012, 48, 712-724.	5.0	117

#	Article	IF	Citations
109	Pinning Distributed Synchronization of Stochastic Dynamical Networks: A Mixed Optimization Approach. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1804-1815.	11.3	116
110	Finite-Horizon ${mathcal H}_{infty }$ Consensus Control of Time-Varying Multiagent Systems With Stochastic Communication Protocol. IEEE Transactions on Cybernetics, 2017, 47, 1830-1840.	9.5	116
111	On Group Synchronization for Interacting Clusters of Heterogeneous Systems. IEEE Transactions on Cybernetics, 2017, 47, 4122-4133.	9.5	115
112	Model simplification for switched hybrid systems. Systems and Control Letters, 2006, 55, 1015-1021.	2.3	113
113	Robust L/sub 2/-Lâˇž filtering for uncertain systems with multiple time-varying state delays. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 594-599.	0.1	111
114	Approximation-Free Robust Synchronization Control for Dual-Linear-Motors-Driven Systems With Uncertainties and Disturbances. IEEE Transactions on Industrial Electronics, 2022, 69, 10500-10509.	7.9	110
115	$H_{m infty}$ Fuzzy Control for Systems With Repeated Scalar Nonlinearities and Random Packet Losses. IEEE Transactions on Fuzzy Systems, 2009, 17, 440-450.	9.8	109
116	Novel stability of cellular neural networks with interval time-varying delay. Neural Networks, 2008, 21, 1458-1463.	5.9	106
117	On Discrete-Time Convergence for General Linear Multi-Agent Systems Under Dynamic Topology. IEEE Transactions on Automatic Control, 2014, 59, 1054-1059.	5.7	102
118	Constrained Sampled-Data ARC for a Class of Cascaded Nonlinear Systems With Applications to Motor-Servo Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 766-776.	11.3	100
119	Hierarchical Multiobjective Heuristic for PCB Assembly Optimization in a Beam-Head Surface Mounter. IEEE Transactions on Cybernetics, 2022, 52, 6911-6924.	9.5	100
120	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si6.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>âˇž</mml:mi></mml:mrow></m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si20.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></m filtering for linear systems with uncertain Markov transitions. Automatica, 2016, 67, 252-266.	5.0	99
121	A Parameter-Dependent Approach to Robust $H_{infty }$ Filtering for Time-Delay Systems. IEEE Transactions on Automatic Control, 2008, 53, 2420-2425.	5.7	98
122	Adaptive Fault-Tolerant Control for Nonlinear System With Unknown Control Directions Based on Fuzzy Approximation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1909-1918.	9.3	98
123	Reliable Control of Discrete-Time Piecewise-Affine Time-Delay Systems via Output Feedback. IEEE Transactions on Reliability, 2018, 67, 79-91.	4.6	98
124	A Constrained Evolutionary Computation Method for Detecting Controlling Regions of Cortical Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 1569-1581.	3.0	97
125	Network-Based Fuzzy Control for Nonlinear Industrial Processes With Predictive Compensation Strategy. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2137-2147.	9.3	97
126	Mixed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si12.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></m output-feedback control of second-order neutral systems with time-varying state and input delays. ISA Transactions, 2008, 47, 311-324.	5.7	96

#	Article	IF	Citations
127	A new design of robust H_2 filters for uncertain systems. Systems and Control Letters, 2008, 57, 585-593.	2.3	94
128	A Unified Approach to the Stability of Generalized Static Neural Networks With Linear Fractional Uncertainties and Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1275-1286.	5.0	94
129	Adaptive Variable Structure and Commanding Shaped Vibration Control of Flexible Spacecraft. Journal of Guidance, Control, and Dynamics, 2007, 30, 804-815.	2.8	93
130	A Heuristic Approach to Static Output-Feedback Controller Synthesis With Restricted Frequency-Domain Specifications. IEEE Transactions on Automatic Control, 2014, 59, 1008-1014.	5.7	92
131	Nonlinear tracking control based on extended state observer for vehicle active suspensions with performance constraints. Mechatronics, 2015, 30, 363-370.	3.3	92
132	Improved Hˆž control of discrete-time fuzzy systems: a cone complementarity linearization approach. Information Sciences, 2005, 175, 57-77.	6.9	91
133	Adaptive tracking control for active suspension systems with non-ideal actuators. Journal of Sound and Vibration, 2017, 399, 2-20.	3.9	91
134	Robust control synthesis for seat suspension systems with actuator saturation and time-varying input delay. Journal of Sound and Vibration, 2010, 329, 4335-4353.	3.9	87
135	Vibration control for active seat suspension systems via dynamic output feedback with limited frequency characteristic. Mechatronics, 2011, 21, 250-260.	3.3	87
136	Generalized Kalmanâ€"Yakubovichâ€"Popov Lemma for 2-D FM LSS Model. IEEE Transactions on Automatic Control, 2012, 57, 3090-3103.	5.7	86
137	A Novel Finite-Time Control for Nonstrict Feedback Saturated Nonlinear Systems With Tracking Error Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3968-3979.	9.3	86
138	Finite frequency control for building under earthquake excitation. Mechatronics, 2010, 20, 128-142.	3.3	85
139	Robust H_{∞} Group Consensus for Interacting Clusters of Integrator Agents. IEEE Transactions on Automatic Control, 2017, 62, 3559-3566.	5.7	84
140	Hˆžmodel reduction for discrete time-delay systems: delay-independent and dependent approaches. International Journal of Control, 2004, 77, 321-335.	1.9	81
141	Robust H_{∞} Self-Triggered Control of Networked Systems Under Packet Dropouts. IEEE Transactions on Cybernetics, 2016, 46, 3294-3305.	9.5	81
142	Disturbance Observer-Based Adaptive Fuzzy Control for Strict-Feedback Nonlinear Systems With Finite-Time Prescribed Performance. IEEE Transactions on Fuzzy Systems, 2022, 30, 1175-1184.	9.8	81
143	Parameter-dependent robust stability of uncertain time-delay systems. Journal of Computational and Applied Mathematics, 2007, 206, 366-373.	2.0	80
144	Robust Stability Criterion for Discrete-Time Uncertain Markovian Jumping Neural Networks With Defective Statistics of Modes Transitions. IEEE Transactions on Neural Networks, 2011, 22, 164-170.	4.2	79

#	Article	IF	Citations
145	Asymptotic stability and stabilisation of uncertain delta operator systems with timeâ€varying delays. IET Control Theory and Applications, 2013, 7, 1071-1078.	2.1	79
146	Robust finite frequency H_∞ filtering for uncertain 2-D systems: The FM model case. Automatica, 2013, 49, 2446-2452.	5.0	77
147	Stabilization of Networked Control Systems via Dynamic Output-Feedback Controllers. SIAM Journal on Control and Optimization, 2010, 48, 3643-3658.	2.1	76
148	Probability-guaranteed H_∞ finite-horizon filtering for a class of nonlinear time-varying systems with sensor saturations. Systems and Control Letters, 2012, 61, 477-484.	2.1	76
149	A Combined Fault Tolerant and Predictive Control for Network-Based Industrial Processes. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	7.9	75
150	An Improved Incremental Learning Approach for KPI Prognosis of Dynamic Fuel Cell System. IEEE Transactions on Cybernetics, 2016, 46, 3135-3144.	9.5	75
151	Fault-Tolerant Cooperative Tracking Control via Integral Sliding Mode Control Technique. IEEE/ASME Transactions on Mechatronics, 2018, 23, 342-351.	5.8	75
152	Robust Hˆž sliding mode control for discrete time-delay systems with stochastic nonlinearities. Journal of the Franklin Institute, 2012, 349, 1459-1479.	3.4	74
153	Discrete bilinear stochastic systems with time-varying delay: Stability analysis and control synthesis. Chaos, Solitons and Fractals, 2007, 34, 394-404.	5.1	73
154	Filtering for uncertain 2-D discrete systems with state delays. Signal Processing, 2007, 87, 2213-2230.	3.7	73
155	Stability analysis and H_∞ controller synthesis of discrete-time switched systems with time delay. Systems and Control Letters, 2014, 66, 85-93.	2.1	69
156	New Synchronization Stability of Complex Networks With an Interval Time-Varying Coupling Delay. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 499-503.	3.0	68
157	On ${\mathcal H}_{\infty }$ Finite-Horizon Filtering Under Stochastic Protocol: Dealing With High-Rate Communication Networks. IEEE Transactions on Automatic Control, 2017, 62, 4884-4890.	5.7	68
158	Dual-Loop Tube-Based Robust Model Predictive Attitude Tracking Control for Spacecraft With System Constraints and Additive Disturbances. IEEE Transactions on Industrial Electronics, 2022, 69, 4022-4033.	7.9	66
159	Event-Triggered Adaptive Fuzzy Tracking Control for Pure-Feedback Stochastic Nonlinear Systems With Multiple Constraints. IEEE Transactions on Fuzzy Systems, 2021, 29, 1496-1506.	9.8	65
160	â„‹ˆž andl2â€"lˆž filtering for two-dimensional linear parameter-varying systems. International Journal of Robust and Nonlinear Control, 2007, 17, 1129-1154.	3.7	64
161	State estimation for discrete-time neural networks with time-varying delays. Neurocomputing, 2008, 72, 643-647.	5.9	62
162	Integral-Based Event-Triggered Fault Detection Filter Design for Unmanned Surface Vehicles. IEEE Transactions on Industrial Informatics, 2019, 15, 5626-5636.	11.3	62

#	Article	IF	Citations
163	Robust Hâˆž Filtering for 2D Stochastic Systems. Circuits, Systems, and Signal Processing, 2004, 23, 479-505.	2.0	60
164	Multiobjective Identification of Controlling Areas in Neuronal Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2013, 10, 708-720.	3.0	60
165	An overview of consensus problems in constrained multi-agent coordination. Systems Science and Control Engineering, 2014, 2, 275-284.	3.1	60
166	Stability and Stabilization of Uncertain 2-D Discrete Systems with Stochastic Perturbation. Multidimensional Systems and Signal Processing, 2005, 16, 85-106.	2.6	58
167	On design of quantized fault detection filters with randomly occurring nonlinearities and mixed time-delays. Signal Processing, 2012, 92, 1117-1125.	3.7	58
168	Data-Based Optimal Control for Networked Double-Layer Industrial Processes. IEEE Transactions on Industrial Electronics, 2017, 64, 4179-4186.	7.9	57
169	Delayâ€dependent robust H_∞ controller synthesis for discrete singular delay systems. International Journal of Robust and Nonlinear Control, 2011, 21, 1880-1902.	3.7	56
170	Master-Slave Synchronous Control of Dual-Drive Gantry Stage With Cogging Force Compensation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 216-225.	9.3	56
171	Observerâ€based H_∞ control for systems with repeated scalar nonlinearities and multiple packet losses. International Journal of Robust and Nonlinear Control, 2010, 20, 1363-1378.	3.7	54
172	Identifying Controlling Nodes in Neuronal Networks in Different Scales. PLoS ONE, 2012, 7, e41375.	2.5	53
173	Stability analysis and control design for 2-D fuzzy systems via basis-dependent Lyapunov functions. Multidimensional Systems and Signal Processing, 2013, 24, 395-415.	2.6	53
174	On Controllability of Neuronal Networks With Constraints on the Average of Control Gains. IEEE Transactions on Cybernetics, 2014, 44, 2670-2681.	9.5	53
175	filtering with stochastic sampling. Signal Processing, 2010, 90, 1131-1145.	3.7	52
176	Cluster Synchronization for Interacting Clusters of Nonidentical Nodes via Intermittent Pinning Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1747-1759.	11.3	52
177	Containment Control for Second-Order Multiagent Systems Communicating Over Heterogeneous Networks. IEEE Transactions on Neural Networks and Learning Systems, 2016, 28, 1-13.	11.3	51
178	Sliding mode control for uncertain discrete-time systems with Markovian jumping parameters and mixed delays. Journal of the Franklin Institute, 2014, 351, 2185-2202.	3.4	50
179	â„‹âˆž model reduction for uncertain two-dimensional discrete systems. Optimal Control Applications and Methods, 2005, 26, 199-227.	2.1	49
180	Semiglobal synchronization of multiple generic linear agents with input saturation. International Journal of Robust and Nonlinear Control, 2014, 24, 3239-3254.	3.7	48

#	Article	IF	Citations
181	Visual Servoed Three-Dimensional Rotation Control in Zebrafish Larva Heart Microinjection System. IEEE Transactions on Biomedical Engineering, 2018, 65, 64-73.	4.2	48
182	Vibration Control of Seat Suspension using Hˆž Reliable Control. JVC/Journal of Vibration and Control, 2010, 16, 1859-1879.	2.6	47
183	Barrier Lyapunov Function-Based Adaptive Fault-Tolerant Control for a Class of Strict-Feedback Stochastic Nonlinear Systems. IEEE Transactions on Cybernetics, 2021, 51, 938-946.	9.5	47
184	New results on Hˆž filtering for fuzzy systems with interval time-varying delays. Information Sciences, 2011, 181, 2356-2369.	6.9	45
185	Leader-Following Practical Cluster Synchronization for Networks of Generic Linear Systems: An Event-Based Approach. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 215-224.	11.3	45
186	On Hˆž Performance Analysis for Continuous-Time Stochastic Systems with Polytopic Uncertainties. Circuits, Systems, and Signal Processing, 2005, 24, 415-429.	2.0	44
187	Robust H_∞ control for a class of uncertain mechanical systems. International Journal of Control, 2010, 83, 1303-1324.	1.9	44
188	Stability analysis and controller synthesis for discrete-time delayed fuzzy systems via small gain theorem. Information Sciences, 2013, 226, 93-104.	6.9	44
189	Synchronization of identical linear dynamic systems subject to input saturation. Systems and Control Letters, 2014, 64, 107-113.	2.3	44
190	Network€based H_∞ control for stochastic systems. International Journal of Robust and Nonlinear Control, 2009, 19, 295-312.	3.7	43
191	Delay€dependent robust H_∞ control for uncertain stochastic time€delay systems. International Journal of Robust and Nonlinear Control, 2010, 20, 1852-1865.	3.7	42
192	Sampled-Data Control for Relative Position Holding of Spacecraft Rendezvous With Thrust Nonlinearity. IEEE Transactions on Industrial Electronics, 2012, 59, 1146-1153.	7.9	42
193	Recognition and Pose Estimation of Auto Parts for an Autonomous Spray Painting Robot. IEEE Transactions on Industrial Informatics, 2019, 15, 1709-1719.	11.3	42
194	Robust Hˆž Filtering for Uncertain Discrete Stochastic Systems with Time Delays. Circuits, Systems, and Signal Processing, 2005, 24, 753-770.	2.0	41
195	Robust orbital transfer for low earth orbit spacecraft with small-thrust. Journal of the Franklin Institute, 2010, 347, 1863-1887.	3.4	41
196	Improved results on H_∞ model reduction for Markovian jump systems with partly known transition probabilities. Systems and Control Letters, 2014, 70, 109-117.	2.3	40
197	Input-Delayed Control of Uncertain Seat Suspension Systems With Human-Body Model. IEEE Transactions on Control Systems Technology, 2010, 18, 591-601.	5.2	39
198	Energy-to-peak control for seismic-excited buildings with actuator faults and parameter uncertainties. Journal of Sound and Vibration, 2011, 330, 581-602.	3.9	39

#	Article	IF	Citations
199	Automated Inspection of E-Shaped Magnetic Core Elements Using K-tSL-Center Clustering and Active Shape Models. IEEE Transactions on Industrial Informatics, 2013, 9, 1782-1789.	11.3	39
200	On pinning synchronisability of complex networks with arbitrary topological structure. International Journal of Systems Science, 2011, 42, 1559-1571.	5.5	38
201	Multiple model approach to linear parameter varying time-delay system identification with EM algorithm. Journal of the Franklin Institute, 2014, 351, 5565-5581.	3.4	38
202	Decentralized Adaptive Event-Triggered Control for a Class of Uncertain Systems With Deception Attacks and Its Application to Electronic Circuits. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 5405-5416.	5.4	38
203	Hankel norm approximation of linear systems with time-varying delay: continuous and discrete cases. International Journal of Control, 2004, 77, 1503-1520.	1.9	37
204	H_∞ filter design for discrete delay systems: a new parameter-dependent approach. International Journal of Control, 2009, 82, 993-1005.	1.9	37
205	Cell Division Genetic Algorithm for Component Allocation Optimization in Multifunctional Placers. IEEE Transactions on Industrial Informatics, 2022, 18, 559-570.	11.3	36
206	filtering for systems with repeated scalar nonlinearities under unreliable communication links. Signal Processing, 2009, 89, 1567-1575.	3.7	35
207	Distributed ℓ_∞ filtering for repeated scalar nonlinear systems with random packet losses in sensor networks. International Journal of Systems Science, 2011, 42, 1507-1519.	5.5	35
208	Robust Second-Order Consensus Tracking of Multiple 3-DOF Laboratory Helicopters via Output Feedback. IEEE/ASME Transactions on Mechatronics, 2015, 20, 2538-2549.	5.8	35
209	Gradient Descent-Based Adaptive Learning Control for Autonomous Underwater Vehicles With Unknown Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5266-5273.	11.3	35
210	New Stability Criteria for Neural Networks withÂDistributed and Probabilistic Delays. Circuits, Systems, and Signal Processing, 2009, 28, 505-522.	2.0	34
211	A frequency-partitioning approach to stability analysis of two-dimensional discrete systems. Multidimensional Systems and Signal Processing, 2015, 26, 67-93.	2.6	34
212	Asynchronous Sampled-Data Filtering Design for Fuzzy-Affine-Model-Based Stochastic Nonlinear Systems. IEEE Transactions on Cybernetics, 2021, 51, 3964-3974.	9.5	34
213	A Line-Based-Clustering Approach for Ball Grid Array Component Inspection in Surface-Mount Technology. IEEE Transactions on Industrial Electronics, 2017, 64, 3030-3038.	7.9	33
214	Adaptive neural fault-tolerant control for a class of strict-feedback nonlinear systems with actuator and sensor faults. Neurocomputing, 2020, 380, 87-94.	5.9	33
215	Allocation of Actuators and Sensors for Coupled-Adjacent-Building Vibration Attenuation. IEEE Transactions on Industrial Electronics, 2013, 60, 5792-5801.	7.9	32
216	Visual Servoed Zebrafish Larva Heart Microinjection System. IEEE Transactions on Industrial Electronics, 2017, 64, 3727-3736.	7.9	32

#	Article	IF	Citations
217	â„‹ âˆž model reduction for linear parameter-varying systems with distributed delay. International Journal of Control, 2009, 82, 408-422.	1.9	31
218	Collective Behavior for Group of Generic Linear Agents Interacting Under Arbitrary Network Topology. IEEE Transactions on Control of Network Systems, 2015, 2, 288-297.	3.7	31
219	SGD-Based Adaptive NN Control Design for Uncertain Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5071-5083.	11.3	31
220	A New Parameter-Dependent Approach to Robust Energy-to-Peak Filter Design. Circuits, Systems, and Signal Processing, 2007, 26, 451-471.	2.0	30
221	LMI-based H âˆž synchronization of second-order neutral master-slave systems using delayed output feedback control. International Journal of Control, Automation and Systems, 2009, 7, 371-380.	2.7	30
222	Further results on $H_{âˆž}$ filtering for discreteâ€time systems with state delay. International Journal of Robust and Nonlinear Control, 2011, 21, 248-270.	3.7	30
223	A Survey on Distributed Filtering and Fault Detection for Sensor Networks. Mathematical Problems in Engineering, 2014, 2014, 1-7.	1.1	30
224	Fault Detection for Discrete Systems With Network-Induced Nonlinearities. IEEE Transactions on Industrial Informatics, 2014, 10, 2216-2223.	11.3	30
225	Precise Linear-Motor Synchronization Control Via Cross-Coupled Second-Order Discrete-Time Fractional-Order Sliding Mode. IEEE/ASME Transactions on Mechatronics, 2020, , 1-1.	5.8	30
226	Robust H âˆž Filtering for 2-D Systems with Intermittent Measurements. Circuits, Systems, and Signal Processing, 2009, 28, 283-303.	2.0	29
227	An Approach to Fault Detection for Multirate Sampled-Data Systems With Frequency Specifications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1155-1165.	9.3	29
228	Reference output tracking control for a flexible airâ€breathing hypersonic vehicle via output feedback. Optimal Control Applications and Methods, 2012, 33, 461-487.	2.1	28
229	Robust reliable control for autonomous spacecraft rendezvous with limited-thrust. Aerospace Science and Technology, 2013, 24, 161-168.	4.8	28
230	Simplified Newton-Based CEE and Discrete-Time Fractional-Order Sliding-Mode CEC. IEEE/ASME Transactions on Mechatronics, 2019, 24, 175-185.	5.8	28
231	Robust Filtering for Uncertain Systems. Communications and Control Engineering, 2014, , .	1.6	27
232	A noise-suppressing and edge-preserving multiframe super-resolution image reconstruction method. Signal Processing: Image Communication, 2015, 34, 1-13.	3.2	27
233	Visual Detection and Two-Dimensional Rotation Control in Zebrafish Larva Heart Microinjection. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2003-2012.	5.8	27
234	Dynamic modeling and terminal sliding mode control of a 3-DOF redundantly actuated parallel platform. Mechatronics, 2019, 60, 26-33.	3.3	27

#	Article	IF	Citations
235	Character Segmentation-Based Coarse-Fine Approach for Automobile Dashboard Detection. IEEE Transactions on Industrial Informatics, 2019, 15, 5413-5424.	11.3	27
236	Mixed H2/H$_\infty$ Filtering for Continuous-Time Polytopic Systems: A Parameter-Dependent Approach. Circuits, Systems, and Signal Processing, 2005, 24, 689-702.	2.0	26
237	On multistability of delayed genetic regulatory networks with multivariable regulation functions. Mathematical Biosciences, 2010, 228, 100-109.	1.9	26
238	Further improved results on H_∞ filtering for discrete time-delay systems. Signal Processing, 2013, 93, 1845-1852.	3.7	26
239	H_∞ control of switched delayed systems with average dwell time. International Journal of Control, 2013, 86, 2146-2158.	1.9	26
240	Recent Advances on Recursive Filtering and Sliding Mode Design for Networked Nonlinear Stochastic Systems: A Survey. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	26
241	High Precision Robust Control for Periodic Tasks of Linear Motor via B-Spline Wavelet Neural Network Observer. IEEE Transactions on Industrial Electronics, 2022, 69, 8255-8263.	7.9	26
242	A New Approach to Robust H$_\infty$ Filtering for Uncertain Systems with Both Discrete and Distributed Delays. Circuits, Systems, and Signal Processing, 2007, 26, 229-248.	2.0	25
243	A New Approach to Guaranteed Cost Control of T-S Fuzzy Dynamic Systems With Interval Parameter Uncertainties. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1516-1527.	5.0	25
244	Leaderless consensus control of dynamical agents under directed interaction topology. , 2011, , .		25
245	Nonrigid Point Set Registration by Preserving Local Connectivity. IEEE Transactions on Cybernetics, 2018, 48, 826-835.	9.5	24
246	Quality Inspection of Remote Radio Units Using Depth-Free Image-Based Visual Servo With Acceleration Command. IEEE Transactions on Industrial Electronics, 2019, 66, 8214-8223.	7.9	24
247	An Adaptive Switching-Gain Sliding-Mode-Assisted Disturbance Observer for High-Precision Servo Control. IEEE Transactions on Industrial Electronics, 2022, 69, 1762-1772.	7.9	24
248	Autonomous impulsive rendezvous for spacecraft under orbital uncertainty and thruster faults. Journal of the Franklin Institute, 2013, 350, 2455-2473.	3.4	23
249	Reduced-Order Generalized H_{∞} Filtering for Linear Discrete-Time Systems With Application to Channel Equalization. IEEE Transactions on Signal Processing, 2014, 62, 3393-3402.	5.3	23
250	An impulse control approach to spacecraft autonomous rendezvous based on genetic algorithms. Neurocomputing, 2012, 77, 189-196.	5.9	22
251	Global consensus of multiple integrator agents via saturated controls. Journal of the Franklin Institute, 2013, 350, 2261-2276.	3.4	22
252	A Novel Coarse–Fine Method for Ball Grid Array Component Positioning and Defect Inspection. IEEE Transactions on Industrial Electronics, 2018, 65, 5023-5031.	7.9	22

#	Article	IF	Citations
253	Robust output‐feedback attitude control of a three‐degree‐of‐freedom helicopter via sliding‐mode observation technique. IET Control Theory and Applications, 2015, 9, 1637-1643.	2.1	21
254	Output Feedback Control of Multirate Sampled-Data Systems With Frequency Specifications. IEEE Transactions on Control Systems Technology, 2017, 25, 1599-1608.	5.2	21
255	A delay-dependent approach to robust generalized H2 filtering for uncertain continuous-time systems with interval delay. Signal Processing, 2011, 91, 2371-2378.	3.7	20
256	A Curve Evolution Approach for Unsupervised Segmentation of Images With Low Depth of Field. IEEE Transactions on Image Processing, 2013, 22, 4086-4095.	9.8	20
257	Design of delta‐sigma modulators via generalized Kalman‐Yakubovich‐Popov lemma. Automatica, 2014, 50, 2700-2708.	5.0	20
258	Fuzzy Observer Based Control for Nonlinear Coupled Hyperbolic PDE-ODE Systems. IEEE Transactions on Fuzzy Systems, 2019, 27, 1332-1346.	9.8	20
259	Zebrafish Larva Orientation and Smooth Aspiration Control for Microinjection. IEEE Transactions on Biomedical Engineering, 2021, 68, 47-55.	4.2	20
260	Further improvement on synchronization stability of complex networks with coupling delays. International Journal of Computer Mathematics, 2008, 85, 1255-1263.	1.8	19
261	Fault detection of discrete-time T‐S fuzzy affine systems based on piecewise Lyapunov functions. Journal of the Franklin Institute, 2014, 351, 3633-3650.	3.4	19
262	Robust adaptive control of non‐linear time‐delay systems with saturation constraints. IET Control Theory and Applications, 2015, 9, 103-113.	2.1	19
263	Reference-Free Path-Walking Method for Ball Grid Array Inspection in Surface Mounting Machines. IEEE Transactions on Industrial Electronics, 2017, 64, 6310-6318.	7.9	19
264	A spatially constrained shifted asymmetric Laplace mixture model for the grayscale image segmentation. Neurocomputing, 2019, 331, 50-57.	5.9	19
265	A Mixed-Pruning Based Framework for Embedded Convolutional Neural Network Acceleration. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1706-1715.	5.4	19
266	Robust Stability for Interval Stochastic Neural Networks with Time-Varying Discrete and Distributed Delays. Differential Equations and Dynamical Systems, 2011, 19, 97-118.	1.0	18
267	A Spatial Correlation Based Adaptive Missing Data Estimation Algorithm in Wireless Sensor Networks. International Journal of Wireless Information Networks, 2014, 21, 280-289.	2.7	18
268	A Partial Least Squares Aided Intelligent Model Predictive Control Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2013-2021.	9.3	18
269	A New Model for Time-delay Systems with Application to Network Based Control. , 2006, , .		17
270	Fuzzy modeling approach to predictions of chemical oxygen demand in activated sludge processes. Information Sciences, 2013, 235, 55-64.	6.9	17

#	Article	IF	Citations
271	A Locally Weighted Project Regression Approach-Aided Nonlinear Constrained Tracking Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5870-5879.	11.3	17
272	An Analysis of Radar Detection on a Plasma Sheath Covered Reentry Target. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 4255-4268.	4.7	17
273	Method of Detecting a Target Enveloped by a Plasma Sheath Based on Doppler Frequency Compensation. IEEE Transactions on Plasma Science, 2020, 48, 4103-4111.	1.3	17
274	Monocular 3D Object Detection With Sequential Feature Association and Depth Hint Augmentation. IEEE Transactions on Intelligent Vehicles, 2022, 7, 240-250.	12.7	17
275	Sine Resistance Network-Based Motion Planning Approach for Autonomous Electric Vehicles in Dynamic Environments. IEEE Transactions on Transportation Electrification, 2022, 8, 2862-2873.	7.8	17
276	Robust second-order tracking of multi-vehicle systems without velocity measurements on directed communication topologies. , 2014, , .		16
277	A multi-frame super-resolution method based on the variable-exponent nonlinear diffusion regularizer. Eurasip Journal on Image and Video Processing, 2015, 2015, .	2.6	16
278	Corner Point-Based Coarse–Fine Method for Surface-Mount Component Positioning. IEEE Transactions on Industrial Informatics, 2018, 14, 877-886.	11.3	16
279	Discrete-time complex networks: a new synchronisation stability criterion. International Journal of Systems Science, 2009, 40, 931-936.	5.5	15
280	Global consensus of single-integrator agents subject to saturation constraints. IET Control Theory and Applications, 2014, 8, 765-771.	2.1	15
281	YolTrack: Multitask Learning Based Real-Time Multiobject Tracking and Segmentation for Autonomous Vehicles. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5323-5333.	11.3	15
282	Deep Learning Based Data Fusion for Sensor Fault Diagnosis and Tolerance in Autonomous Vehicles. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	3.7	15
283	Guaranteed Cost Output Tracking Control for Autonomous Homing Phase of Spacecraft Rendezvous. Journal of Aerospace Engineering, 2011, 24, 478-487.	1.4	14
284	A robust super-resolution method with improved high-frequency components estimation and aliasing correction capabilities. Journal of the Franklin Institute, 2014, 351, 513-527.	3.4	14
285	Data Augmentation in Defect Detection of Sanitary Ceramics in Small and Non-i.i.d Datasets. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8669-8678.	11.3	14
286	Sparse data-dependent kernel principal component analysis based on least squares support vector machine for feature extraction and recognition. Neural Computing and Applications, 2012, 21, 1971-1980.	5.6	13
287	Robust Multiobjective Controllability of Complex Neuronal Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 778-791.	3.0	13
288	Reliable Control for a Class of Nonlinear Time-Delay Systems Against Actuator Faults With Application to Suspension Control. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2498-2507.	5.8	13

#	Article	IF	Citations
289	Practical Fractional-Order Variable-Gain Supertwisting Control With Application to Wafer Stages of Photolithography Systems. IEEE/ASME Transactions on Mechatronics, 2022, 27, 214-224.	5.8	13
290	Pinning noise-induced stochastic resonance. Physical Review E, 2013, 87, 062920.	2.1	12
291	Joint optimization approach to building vibration control via multiple active tuned mass dampers. Mechatronics, 2013, 23, 355-368.	3.3	12
292	Edge preservation image enlargement and enhancement method based on the adaptive Perona–Malik non–linear diffusion model. IET Image Processing, 2014, 8, 753-760.	2.5	12
293	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>∞</mml:mi></mml:mrow></mml:msub></mml:math> model reduction of switched LPV systems via semi-time-varying reduced-order model. Systems and Control Letters. 2016. 98. 25-32.	2.3	12
294	Filtering Design for Multirate Sampled-Data Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4224-4232.	9.3	12
295	Meta-sequence-dependent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1123" altimg="si636.svg"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>∞</mml:mi></mml:mrow></mml:msub></mml:math> filtering for switched linear systems under persistent dwell-time constraint. Automatica, 2021, 123, 108348.	4.4	12
296	Analysis and synchronization of complex networks. International Journal of Systems Science, 2009, 40, 905-907.	5.5	11
297	A Delay Partitioning Approach to H ∞ Filtering for Continuous Time-Delay Systems. Circuits, Systems, and Signal Processing, 2011, 30, 501-513.	2.0	11
298	Synchronising second-order multi-agent systems under dynamic topology via reference model-based algorithm. Journal of Control and Decision, 2014, 1, 214-225.	1.6	11
299	Road-Holding-Oriented Control and Analysis of Semi-Active Suspension Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	1.6	11
300	Advanced Control for Vehicle Active Suspension Systems. Studies in Systems, Decision and Control, 2020, , .	1.0	11
301	A Novel Industrial Chip Parameters Identification Method Based on Cascaded Region Segmentation for Surface-Mount Equipment. IEEE Transactions on Industrial Electronics, 2022, 69, 5247-5256.	7.9	11
302	Fault detection with network communication. International Journal of Systems Science, 2010, 41, 947-956.	5.5	10
303	New results on stability analysis and stabilisation of networked control system. IET Control Theory and Applications, 2014, 8, 1707-1715.	2.1	10
304	Bayesian non-parametric gradient histogram estimation for texture-enhanced image deblurring. Neurocomputing, 2016, 197, 95-112.	5.9	10
305	Complex Workpiece Positioning System With Nonrigid Registration Method for 6-DoFs Automatic Spray Painting Robot. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7305-7313.	9.3	10
306	A CRF-Based Framework for Tracklet Inactivation in Online Multi-Object Tracking. IEEE Transactions on Multimedia, 2022, 24, 995-1007.	7.2	10

#	Article	IF	Citations
307	Approach to stabilisation of continuous–time switched positive systems. IET Control Theory and Applications, 2014, 8, 1207-1214.	2.1	9
308	An integrated microfluidic system for zebrafish larva organs injection. , 2017, , .		9
309	Weighted Smallest Deformation Similarity for NN-Based Template Matching. IEEE Transactions on Industrial Informatics, 2020, 16, 6787-6795.	11.3	9
310	Precise Positioning of Circular Mark Points and Transistor Components in Surface Mounting Technology Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 2534-2544.	11.3	9
311	Second-order consensus for networks of agents with fixed and switching topology. , 2009, , .		8
312	A Review on Analysis and Synthesis of Nonlinear Stochastic Systems with Randomly Occurring Incomplete Information. Mathematical Problems in Engineering, 2012, 2012, 1-15.	1.1	8
313	Finite Frequency H_{∞} Deconvolution With Application to Approximated Bandlimited Signal Recovery. IEEE Transactions on Automatic Control, 2018, 63, 203-210.	5.7	8
314	Energy-Driven-Damper (EDD): Comfort-Oriented Semiactive Suspensions Optimized From an Energy Perspective. IEEE Transactions on Control Systems Technology, 2020, 28, 2069-2076.	5.2	8
315	An LMI approach to fault detection and isolation filter design for Markovian jump system with mode-dependent time-delays. , 2006, , .		7
316	Time- and Event-Driven Communication Process for Networked Control Systems: A Survey. Abstract and Applied Analysis, 2014, 2014, 1-10.	0.7	7
317	On-line Deflection Estimation of X-axis Beam on Positioning Machine. IEEE/ASME Transactions on Mechatronics, 2015, , 1-1.	5.8	7
318	Feature Combination via Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 896-907.	11.3	7
319	Zonotopic Fault Detection for Fuzzy Systems with Event-Triggered Transmission. IEEE Transactions on Fuzzy Systems, 2020, , 1-1.	9.8	7
320	Precise Motion Control of Wafer Stages via Adaptive Neural Network and Fractional-Order Super-Twisting Algorithm. IFAC-PapersOnLine, 2020, 53, 8315-8320.	0.9	7
321	Keypoint-Based LiDAR-Camera Online Calibration With Robust Geometric Network. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	7
322	Delay-dependent energy-to-peak filter design for stochastic systems with time delay: A delay partitioning approach. , 2009, , .		6
323	Improved stability and stabilization results for discrete singular delay systems via delay partitioning. , 2009, , .		6
324	Controller Optimization for Multirate Systems Based on Reinforcement Learning. International Journal of Automation and Computing, 2020, 17, 417-427.	4.5	6

#	Article	IF	Citations
325	Robust Fault Detection for Uncertain Time-Delay Systems with Markovian Jump Parameters. , 2007, , .		5
326	H<inf>&#x221E;</inf> control of uncertain seat suspension systems subject to input delay and actuator saturation. , 2009, , .		5
327	Dynamics analysis of gene regulatory networks. International Journal of Systems Science, 2010, 41, 1-4.	5.5	5
328	Actuator delayed active vehicle suspension control: A T-S fuzzy approach. , 2011, , .		5
329	Simultaneous Optimization of Damper Parameters and Controllers for Building Vibration Attenuation over Finite Frequency Band. Asian Journal of Control, 2013, 15, 1589-1598.	3.0	5
330	An iterative LMI approach to IIR noise transfer function optimization for delta-sigma modulators. , 2013, , .		5
331	An automatic and cost-effective parasitemia identification framework for low-end microscopy imaging devices. , 2014, , .		5
332	Precise Variable-Gain Cross-Coupling Contouring Control for Linear Motor Direct-Drive Table. , 2019, , .		5
333	Visual-Based Contact Detection for Automated Zebrafish Larva Heart Microinjection. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1803-1813.	5.2	5
334	Stability and stabilization of switched linear discrete-time systems with polytopic uncertainties. , 2006, , .		4
335	Output tracking control for autonomous spacecraft rendezvous. , 2009, , .		4
336	Vibration suppression of vehicle active suspension systems in finite frequency domian. , 2009, , .		4
337	Global leader-following consensus of discrete-time linear multiagent systems subject to actuator saturation. , 2013, , .		4
338	Min-Max Approximation of Transfer Functions With Application to Filter Design. IEEE Transactions on Signal Processing, 2015, 63, 31-40.	5.3	4
339	The Location of Component With Rectangular Pins Based on the Point Set Registration. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	4
340	DanioSense: Automated High-Throughput Quantification of Zebrafish Larvae Group Movement. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1058-1069.	5.2	4
341	Automobile Instrument Detection Using Prior Information and Fuzzy Sets. IEEE Transactions on Industrial Electronics, 2022, 69, 13524-13534.	7.9	4
342	A unified framework of convex stability conditions for 2-D switched systems with stable or unstable modes. Automatica, 2022, 141, 110264.	5.0	4

#	Article	IF	Citations
343	Containment for double-integrator multi-agent systems in heterogeneous networks. , 2014, , .		3
344	Constrained robust adaptive control for vehicle active suspension systems. International Journal of Vehicle Design, 2015, 68, 5.	0.3	3
345	Contouring Control of Linear Motor Direct-Drive X-Y Table Via Chattering-Free Discrete-Time Sliding Mode Control. , 2018, , .		3
346	Vibration Suppression for Motor-Driven Uncertain Active Suspensions With Hard Constraints and Analysis of Energy Consumption. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 618-630.	9.3	3
347	Feedback-based Digital Higher-order Terminal Sliding Mode for 6-DOF Industrial Manipulators. , 2021, , .		3
348	Adaptive Sensor Fault Accommodation for Vehicle Active Suspensions via Partial Measurement Information. IEEE Transactions on Cybernetics, 2021, PP, 1-12.	9.5	3
349	Sliding Mode Control of Switched Stochastic Hybrid Systems. Studies in Systems, Decision and Control, 2015, , 217-237.	1.0	3
350	A Novel Subpixel Circle Detection Method Based on the Blurred Edge Model. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	3
351	Hybrid Visual-Ranging Servoing for Positioning Based on Image and Measurement Features. IEEE Transactions on Cybernetics, 2023, 53, 4270-4279.	9.5	3
352	An input delay approach to digital control of suspension systems. , 2008, , .		2
353	Nonsynchronized state estimation of uncertain discrete-time piecewise affine systems. Journal of Control Theory and Applications, 2010, 8, 286-292.	0.8	2
354	Finite frequency approaches to H<inf>&#x221E;</inf> filtering for continuous-time state-delayed systems. , 2011, , .		2
355	Robust H;<inf>∞</inf> filtering for 2-D FM systems: A finite frequency approach. , 2012, , .		2
356	Semiglobal stabilization of saturated linear systems via multiple parametric Lyapunov equations. International Journal of Robust and Nonlinear Control, 2015, 25, 16-31.	3.7	2
357	Tracking the power port of remote radio unit (RRU) using computer vision. , 2017, , .		2
358	Robust Filtering for Uncertain 2-D Systems. Communications and Control Engineering, 2014, , 165-186.	1.6	2
359	Fractional-Order Variable-Gain Super-Twisting Control With Application to Wafer Stages of Photolithography Systems. , 2020, , .		2
360	Guest Editorial Introduction to the Focused Section on Adaptive Learning and Control for Advanced Mechatronics Systems. IEEE/ASME Transactions on Mechatronics, 2022, 27, 607-610.	5.8	2

#	Article	IF	Citations
361	ResDNet: Efficient Dense Multi-Scale Representations With Residual Learning for High-Level Vision Tasks. IEEE Transactions on Neural Networks and Learning Systems, 2024, PP, 1-12.	11.3	2
362	Computationally Relaxed Unscented Kalman Filter. IEEE Transactions on Cybernetics, 2023, 53, 1557-1565.	9.5	2
363	Robust filtering with l/sub 2/-l/sub âˆ/ performance for uncertain discrete-time systems with multiple state delays. , 0, , .		1
364	Hα Filtering for Uncertain Systems with Limited Communication Capacity. , 2006, , .		1
365	Robust Fault Detection for a Class of Discrete-time LPV Systems with Time-delays. , 0, , .		1
366	Corrigendum to "Stability analysis for continuous systems with two additive time-varying delay components". Systems and Control Letters, 2007, 56, 662.	2.3	1
367	New delay-range-dependent stability condition for linear system. , 2008, , .		1
368	A new result on average consensus for multiple agents with switching topology and communication delay. , 2009, , .		1
369	State feedback control for networked systems with mixed delays subject to quantization and dropout compensation. , 2011, , .		1
370	Generalized Kalman-Yakubovich-Popov lemma for 2-D FM LSS model and its application to finite frequency positive real control. , 2011, , .		1
371	Surface damage inspection of E-shaped magnetic core elements using K-tSL-center clustering method. , 2013, , .		1
372	A frequency-specific enhanced approach to transfer function approximation. , 2014, , .		1
373	Multirate output feedback control for complex industrial processes in double-layer network environment with RBF performance index. , 2014, , .		1
374	Coordination control for generic linear multi-agent systems with time delay: A semi-discretization approach. , 2015, , .		1
375	Finite-time vibration control for vehicle active suspension systems. , 2020, , 185-223.		1
376	Octopus-Inspired Microgripper for Deformation-Controlled Biological Sample Manipulation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1857-1866.	11.3	1
377	Predictive display for teleoperation with virtual reality fusion technology. Asian Journal of Control, 2021, 23, 2261-2272.	3.0	1
378	Guest Editorial: Special Issue on Signal Processing for Uncertain Systems. Circuits, Systems, and Signal Processing, 2007, 26, 419-425.	2.0	0

#	Article	IF	Citations
379	New synchronization stability criteria for complex networks with time-varying coupling delays. , 2008, , .		0
380	Robust finite-horizon filtering of time-varying networked systems with error variance constraints. , 2010, , .		0
381	Further results on Hâˆž control for Markovian jump systems with mode-dependent time-varying delays. , 2010, , .		0
382	Stabilization of Continuous-Time Markov Jump Linear Systems with Defective Statistics of Modes Transitions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8693-8698.	0.4	0
383	Observer-based control for robotic manipulations with uncertain kinematics and dynamics. , 2016, , .		0
384	An H<inf>âˆž</inf> approach to fault detection for multirate sampled-data systems with frequency specifications. , 2016, , .		0
385	L<inf>p</inf>-TV model for structure extraction with end-to-end contour learning. , 2017, , .		0
386	Reliable H<inf>âˆž</inf> control for sampled-data systems with multirate sampling based on adaptive method. , 2017, , .		0
387	Robust L/sub 1/ filtering with pole constraint in a disk via parameter-dependent Lyapunov functions. , 2004, , .		0
388	â„‹âˆž Fuzzy Control for Systems with Repeated Scalar Nonlinearities. , 2009, , 51-65.		0
389	Robust Filtering for Continuous Time-Delay Systems. Communications and Control Engineering, 2014, , 125-141.	1.6	0
390	Quadratic Robust Filter Design. Communications and Control Engineering, 2014, , 25-81.	1.6	0
391	Robust Estimation with Limited Communication Capacity. Communications and Control Engineering, 2014, , 189-218.	1.6	0
392	Finite Frequency $$H_{\infty }$$ H âˆž Filtering for Time-Delay Systems. Communications and Control Engineering, 2014, , 219-243.	1.6	0
393	Parameter-Dependent Robust Filter Design. Communications and Control Engineering, 2014, , 83-121.	1.6	0
394	On Discrete-Time Convergence for General Linear Multi-agent Systems Under Dynamic Topology. , 2019, , 1-19.		0