

# Yuliang Cai

## List of Publications by Year in descending order

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445  
papers

16,139  
citations

20759

60  
h-index

20900

115  
g-index

446  
all docs

446  
docs citations

446  
times ranked

7171  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Dynamic Programming: An Introduction. IEEE Computational Intelligence Magazine, 2009, 4, 39-47.	3.4	711
2	Neural-Network-Based Near-Optimal Control for a Class of Discrete-Time Affine Nonlinear Systems With Control Constraints. IEEE Transactions on Neural Networks, 2009, 20, 1490-1503.	4.8	567
3	Data-Driven Robust Approximate Optimal Tracking Control for Unknown General Nonlinear Systems Using Adaptive Dynamic Programming Method. IEEE Transactions on Neural Networks, 2011, 22, 2226-2236.	4.8	534
4	Leader-Based Optimal Coordination Control for the Consensus Problem of Multiagent Differential Games via Fuzzy Adaptive Dynamic Programming. IEEE Transactions on Fuzzy Systems, 2015, 23, 152-163.	6.5	421
5	Novel Weighting-Delay-Based Stability Criteria for Recurrent Neural Networks With Time-Varying Delay. IEEE Transactions on Neural Networks, 2010, 21, 91-106.	4.8	383
6	Near-Optimal Control for Nonzero-Sum Differential Games of Continuous-Time Nonlinear Systems Using Single-Network ADP. IEEE Transactions on Cybernetics, 2013, 43, 206-216.	6.2	377
7	A Multiagent-Based Consensus Algorithm for Distributed Coordinated Control of Distributed Generators in the Energy Internet. IEEE Transactions on Smart Grid, 2015, 6, 3006-3019.	6.2	352
8	Neural-Network-Based Event-Triggered Adaptive Control of Nonaffine Nonlinear Multiagent Systems With Dynamic Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2239-2250.	7.2	327
9	Global Asymptotic Stability of Recurrent Neural Networks With Multiple Time-Varying Delays. IEEE Transactions on Neural Networks, 2008, 19, 855-873.	4.8	313
10	Data-Driven Optimal Consensus Control for Discrete-Time Multi-Agent Systems With Unknown Dynamics Using Reinforcement Learning Method. IEEE Transactions on Industrial Electronics, 2017, 64, 4091-4100.	5.2	289
11	Stability Analysis of Markovian Jumping Stochastic Cohenâ€“Grossberg Neural Networks With Mixed Time Delays. IEEE Transactions on Neural Networks, 2008, 19, 366-370.	4.8	278
12	Distributed Cooperative Optimal Control for Multiagent Systems on Directed Graphs: An Inverse Optimal Approach. IEEE Transactions on Cybernetics, 2015, 45, 1315-1326.	6.2	275
13	Dynamic Event-Based Control of Nonlinear Stochastic Systems. IEEE Transactions on Automatic Control, 2017, 62, 6544-6551.	3.6	263
14	T-S Fuzzy-Model-Based Robust $H_{\infty}$ Design for Networked Control Systems With Uncertainties. IEEE Transactions on Industrial Informatics, 2007, 3, 289-301.	7.2	227
15	Distributed Optimal Energy Management for Energy Internet. IEEE Transactions on Industrial Informatics, 2017, 13, 3081-3097.	7.2	213
16	Online Adaptive Policy Learning Algorithm for $H_{\infty}$ State Feedback Control of Unknown Affine Nonlinear Discrete-Time Systems. IEEE Transactions on Cybernetics, 2014, 44, 2706-2718.	6.2	203
17	Neural-Network-Based Constrained Optimal Control Scheme for Discrete-Time Switched Nonlinear System Using Dual Heuristic Programming. IEEE Transactions on Automation Science and Engineering, 2014, 11, 839-849.	3.4	198
18	Event-Triggered-Based Distributed Cooperative Energy Management for Multienergy Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 2008-2022.	7.2	197

#	ARTICLE	IF	CITATIONS
19	State-of-the-art review on frequency response of wind power plants in power systems. Journal of Modern Power Systems and Clean Energy, 2018, 6, 1-16.	3.3	189
20	Off-Policy Actor-Critic Structure for Optimal Control of Unknown Systems With Disturbances. IEEE Transactions on Cybernetics, 2016, 46, 1041-1050.	6.2	180
21	Optimal Tracking Control for a Class of Nonlinear Discrete-Time Systems With Time Delays Based on Heuristic Dynamic Programming. IEEE Transactions on Neural Networks, 2011, 22, 1851-1862.	4.8	172
22	Relaxed Stability Conditions for Continuous-Time Tâ€“S Fuzzy-Control Systems Via Augmented Multi-Indexed Matrix Approach. IEEE Transactions on Fuzzy Systems, 2011, 19, 478-492.	6.5	170
23	Notice of Removal: Consensus-Based Distributed Control for Accurate Reactive, Harmonic, and Imbalance Power Sharing in Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 2453-2467.	6.2	163
24	Delay-Dependent Guaranteed Cost Control for Uncertain Stochastic Fuzzy Systems With Multiple Time Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 126-140.	5.5	160
25	Adaptive Synchronization Between Two Different Chaotic Neural Networks With Time Delay. IEEE Transactions on Neural Networks, 2007, 18, 1841-1845.	4.8	155
26	Observer-Based Finite-Time Adaptive Fuzzy Control for Nontriangular Nonlinear Systems With Full-State Constraints. IEEE Transactions on Cybernetics, 2021, 51, 1110-1120.	6.2	151
27	Real-Time Energy Management of a Microgrid Using Deep Reinforcement Learning. Energies, 2019, 12, 2291.	1.6	150
28	Networked Synchronization Control of Coupled Dynamic Networks With Time-Varying Delay. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 1468-1479.	5.5	148
29	Stabilization of Switched Nonlinear Systems With All Unstable Modes: Application to Multi-Agent Systems. IEEE Transactions on Automatic Control, 2011, 56, 2230-2235.	3.6	143
30	Fault Estimation and Fault-Tolerant Control for Switched Fuzzy Stochastic Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 2993-3003.	6.5	139
31	Adaptive Dynamic Programming for a Class of Complex-Valued Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1733-1739.	7.2	125
32	A Small-Sample Wind Turbine Fault Detection Method With Synthetic Fault Data Using Generative Adversarial Nets. IEEE Transactions on Industrial Informatics, 2019, 15, 3877-3888.	7.2	123
33	Coordinated Control Strategy of Battery Energy Storage System and PMSG-WTG to Enhance System Frequency Regulation Capability. IEEE Transactions on Sustainable Energy, 2017, 8, 1330-1343.	5.9	118
34	Adaptive Bipartite Event-Triggered Output Consensus of Heterogeneous Linear Multiagent Systems Under Fixed and Switching Topologies. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4816-4830.	7.2	118
35	Data-Core-Based Fuzzy Minâ€“Max Neural Network for Pattern Classification. IEEE Transactions on Neural Networks, 2011, 22, 2339-2352.	4.8	116
36	Robust Stability Analysis for Interval Cohenâ€“Grossberg Neural Networks With Unknown Time-Varying Delays. IEEE Transactions on Neural Networks, 2008, 19, 1942-1955.	4.8	112

#	ARTICLE	IF	CITATIONS
37	Bipartite Fixed-Time Output Consensus of Heterogeneous Linear Multiagent Systems. IEEE Transactions on Cybernetics, 2021, 51, 548-557.	6.2	112
38	Distributed Optimal Economic Dispatch for Microgrids Considering Communication Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1634-1642.	5.9	110
39	Consensus-Based Distributed Economic Dispatch Control Method in Power Systems. IEEE Transactions on Smart Grid, 2019, 10, 941-954.	6.2	107
40	An Estimation Method of Defect Size From MFL Image Using Visual Transformation Convolutional Neural Network. IEEE Transactions on Industrial Informatics, 2019, 15, 213-224.	7.2	107
41	Fault-Tolerant Control for Stochastic Switched IT2 Fuzzy Uncertain Time-Delayed Nonlinear Systems. IEEE Transactions on Cybernetics, 2022, 52, 1335-1346.	6.2	107
42	A Novel Energy Function-Based Stability Evaluation and Nonlinear Control Approach for Energy Internet. IEEE Transactions on Smart Grid, 2017, 8, 1195-1210.	6.2	105
43	Optimal Output Regulation for Heterogeneous Multiagent Systems via Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 18-29.	7.2	105
44	Robust Exponential Stability of Recurrent Neural Networks With Multiple Time-Varying Delays. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007, 54, 730-734.	2.3	101
45	Fuzzy Observer-Based Repetitive Tracking Control for Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2020, 28, 2401-2415.	6.5	97
46	Online optimal tracking control of continuous-time linear systems with unknown dynamics by using adaptive dynamic programming. International Journal of Control, 2014, 87, 1000-1009.	1.2	95
47	Discrete-Time Nonzero-Sum Games for Multiplayer Using Policy-Iteration-Based Adaptive Dynamic Programming Algorithms. IEEE Transactions on Cybernetics, 2017, 47, 3331-3340.	6.2	94
48	Command Filter Based Adaptive Fuzzy Finite-Time Control for a Class of Uncertain Nonlinear Systems With Hysteresis. IEEE Transactions on Fuzzy Systems, 2021, 29, 2553-2564.	6.5	94
49	Novel Delay-Dependent Robust Stability Analysis for Switched Neutral-Type Neural Networks With Time-Varying Delays via SC Technique. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 1480-1491.	5.5	92
50	Induction Motors Fault Diagnosis Using Finite Element Method: A Review. IEEE Transactions on Industry Applications, 2020, 56, 1205-1217.	3.3	90
51	Event-Based Distributed Active Power Sharing Control for Interconnected AC and DC Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 6815-6828.	6.2	86
52	Fault-Tolerant Controller Design for a Class of Nonlinear MIMO Discrete-Time Systems via Online Reinforcement Learning Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 611-622.	5.9	85
53	Fuzzy-Secondary-Controller-Based Virtual Synchronous Generator Control Scheme for Interfacing Inverters of Renewable Distributed Generation in Microgrids. IEEE Transactions on Industry Applications, 2018, 54, 1047-1061.	3.3	84
54	Adaptive Fuzzy Fault-Tolerant Tracking Control for Partially Unknown Systems With Actuator Faults via Integral Reinforcement Learning Method. IEEE Transactions on Fuzzy Systems, 2019, 27, 1986-1998.	6.5	83

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55	Robust state/fault estimation and fault tolerant control for T $\infty$ S fuzzy systems with sensor and actuator faults. Journal of the Franklin Institute, 2016, 353, 615-641.	1.9	82
56	Event-Driven Guaranteed Cost Control Design for Nonlinear Systems With Actuator Faults via Reinforcement Learning Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4135-4150.	5.9	82
57	TIFIM: A Two-stage Iterative Framework for Influence Maximization in Social Networks. Applied Mathematics and Computation, 2019, 354, 338-352.	1.4	80
58	Robust Optimal Control Scheme for Unknown Constrained-Input Nonlinear Systems via a Plug-n-Play Event-Sampled Critic-Only Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3169-3180.	5.9	70
59	Robust Fault Detection for Switched Fuzzy Systems With Unknown Input. IEEE Transactions on Cybernetics, 2018, 48, 3056-3066.	6.2	69
60	Dissipativity Analysis and Synthesis for a Class of T $\infty$ S Fuzzy Descriptor Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1774-1784.	5.9	65
61	Leader-follower consensus control for linear multi-agent systems by fully distributed edge-event-triggered adaptive strategies. Information Sciences, 2021, 555, 314-338.	4.0	63
62	Disturbance observer based fault estimation and dynamic output feedback fault tolerant control for fuzzy systems with local nonlinear models. ISA Transactions, 2015, 59, 114-124.	3.1	61
63	Fault Diagnosis Method of Joint Fisher Discriminant Analysis Based on the Local and Global Manifold Learning and Its Kernel Version. IEEE Transactions on Automation Science and Engineering, 2016, 13, 122-133.	3.4	61
64	Event-Triggered Integral Sliding-Mode Control for Nonlinear Constrained-Input Systems With Disturbances via Adaptive Dynamic Programming. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4086-4096.	5.9	61
65	Novel Zero-Voltage and Zero-Current Switching (ZVZCS) PWM Three-Level DC/DC Converter Using Output Coupled Inductor. IEEE Transactions on Power Electronics, 2014, 29, 1082-1093.	5.4	59
66	$\mathcal{H}_\infty$ Consensus for Linear Heterogeneous Multiagent Systems Based on Event-Triggered Output Feedback Control Scheme. IEEE Transactions on Cybernetics, 2019, 49, 2268-2279.	6.2	59
67	Neural-Network-Based Robust Control Schemes for Nonlinear Multiplayer Systems With Uncertainties via Adaptive Dynamic Programming. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 579-588.	5.9	58
68	Distributed cooperative output regulation of heterogeneous linear multi-agent systems based on event- and self-triggered control with undirected topology. ISA Transactions, 2020, 99, 191-198.	3.1	58
69	Leader-Following Consensus for a Class of Nonlinear Multiagent Systems Under Event-Triggered and Edge-Event Triggered Mechanisms. IEEE Transactions on Cybernetics, 2022, 52, 7643-7654.	6.2	58
70	Iterative ADP learning algorithms for discrete-time multi-player games. Artificial Intelligence Review, 2018, 50, 75-91.	9.7	57
71	Finite-Time Stabilization for Discontinuous Interconnected Delayed Systems via Interval Type-2 T $\infty$ S Fuzzy Model Approach. IEEE Transactions on Fuzzy Systems, 2019, 27, 249-261.	6.5	56
72	A Hierarchical Event Detection Method Based on Spectral Theory of Multidimensional Matrix for Power System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2173-2186.	5.9	56

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73	Multiscale Adaptive Fault Diagnosis Based on Signal Symmetry Reconstitution Preprocessing for Microgrid Inverter Under Changing Load Condition. IEEE Transactions on Smart Grid, 2018, 9, 797-806.	6.2	55
74	Analysis and Implementation of A Passive Lossless Soft-Switching Snubber for PWM Inverters. IEEE Transactions on Power Electronics, 2011, 26, 411-426.	5.4	53
75	Robust non-fragile proportional plus derivative state feedback control for a class of uncertain Takagi-Sugeno fuzzy singular systems. Journal of the Franklin Institute, 2019, 356, 6208-6225.	1.9	53
76	Distributed Bipartite Consensus of Linear Multiagent Systems Based on Event-Triggered Output Feedback Control Scheme. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6743-6756.	5.9	53
77	Decentralized Event-Triggered Adaptive Control of Discrete-Time Nonzero-Sum Games Over Wireless Sensor-Actuator Networks With Input Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4254-4266.	7.2	52
78	Neural-Network-Based Robust Optimal Tracking Control for MIMO Discrete-Time Systems With Unknown Uncertainty Using Adaptive Critic Design. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1239-1251.	7.2	51
79	Sampled-Data Synchronization of Markovian Coupled Neural Networks With Mode Delays Based on Mode-Dependent LKF. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2626-2637.	7.2	50
80	A tGAN-Based Leak Detection Method for Pipeline Network Considering Incomplete Sensor Data. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	49
81	Multiple Open-Circuit Fault Diagnosis Based on Multistate Data Processing and Subsection Fluctuation Analysis for Photovoltaic Inverter. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 516-526.	2.4	48
82	State estimation for memristive neural networks with time-varying delays: The discrete-time case. Neural Networks, 2016, 84, 47-56.	1.1	47
83	Sensor Fault Estimation of Switched Fuzzy Systems with Unknown Input. IEEE Transactions on Fuzzy Systems, 2017, , 1-1.	6.5	47
84	Hybrid Fuzzy Adaptive Fault-Tolerant Control for a Class of Uncertain Nonlinear Systems With Unmeasured States. IEEE Transactions on Fuzzy Systems, 2017, 25, 1041-1050.	6.5	47
85	Quick Reconstruction of Arbitrary Pipeline Defect Profiles From MFL Measurements Employing Modified Harmony Search Algorithm. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2200-2213.	2.4	47
86	Adaptive Bipartite Fixed-Time Time-Varying Output Formation-Containment Tracking of Heterogeneous Linear Multiagent Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4688-4698.	7.2	46
87	Data-driven optimal tracking control for a class of affine nonlinear continuous-time systems with completely unknown dynamics. IET Control Theory and Applications, 2016, 10, 700-710.	1.2	45
88	Echo State Network-Based Decentralized Control of Continuous-Time Nonlinear Large-Scale Interconnected Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6293-6303.	5.9	45
89	Discrete-Time Non-Zero-Sum Games With Completely Unknown Dynamics. IEEE Transactions on Cybernetics, 2021, 51, 2929-2943.	6.2	45
90	Event-Triggered Control of Nonlinear Discrete-Time System With Unknown Dynamics Based on HDP. IEEE Transactions on Cybernetics, 2022, 52, 6046-6058.	6.2	44

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91	Cooperative Bipartite Containment Control for Multiagent Systems Based on Adaptive Distributed Observer. IEEE Transactions on Cybernetics, 2022, 52, 5432-5440.	6.2	43
92	Dynamic output feedback-based fault-tolerant control design for T-S fuzzy systems with model uncertainties. ISA Transactions, 2018, 81, 32-45.	3.1	42
93	Event-Triggered Adaptive Tracking Control for Random Systems With Coexisting Parametric Uncertainties and Severe Nonlinearities. IEEE Transactions on Automatic Control, 2022, 67, 2011-2018.	3.6	42
94	Homogenous Polynomially Parameter-Dependent $H_{\infty}$ Filter Designs of Discrete-Time Fuzzy Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1313-1322.	5.5	41
95	Stability analysis on a class of nonlinear fractional-order systems. Nonlinear Dynamics, 2016, 86, 1023-1033.	2.7	41
96	Anti-disturbance control for nonlinear system via adaptive disturbance observer. International Journal of Robust and Nonlinear Control, 2017, 27, 2121-2144.	2.1	41
97	Integral reinforcement learning-based online adaptive event-triggered control for non-zero-sum games of partially unknown nonlinear systems. Neurocomputing, 2020, 377, 243-255.	3.5	41
98	Delay-Dependent Globally Exponential Stability Criteria for Static Neural Networks: An LMI Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 605-609.	2.2	40
99	$H_{\infty}$ Tracking Control of Discrete-Time System With Delays via Data-Based Adaptive Dynamic Programming. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4078-4085.	5.9	40
100	New Delay-Dependent Global Exponential Stability Criterion for Cellular-Type Neural Networks With Time-Varying Delays. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 250-254.	2.2	39
101	Novel Switching Jumps Dependent Exponential Synchronization Criteria for Memristor-Based Neural Networks. Neural Processing Letters, 2017, 45, 15-28.	2.0	39
102	$H_{\infty}$ control with constrained input for completely unknown nonlinear systems using data-driven reinforcement learning method. Neurocomputing, 2017, 237, 226-234.	3.5	39
103	A framework of robust fault estimation observer design for continuous-time/discrete-time systems. Optimal Control Applications and Methods, 2013, 34, 442-457.	1.3	38
104	Prediction and identification of discrete-time dynamic nonlinear systems based on adaptive echo state network. Neural Networks, 2019, 113, 11-19.	3.3	38
105	Dissipativity-Based Fault Detection for Uncertain Switched Fuzzy Systems With Unmeasurable Premise Variables. IEEE Transactions on Fuzzy Systems, 2019, 27, 2421-2432.	6.5	38
106	Fixed-time time-varying formation tracking for nonlinear multi-agent systems under event-triggered mechanism. Information Sciences, 2021, 564, 45-70.	4.0	38
107	Data-Based Adaptive Fault Estimation and Fault-Tolerant Control for MIMO Model-Free Systems Using Generalized Fuzzy Hyperbolic Model. IEEE Transactions on Fuzzy Systems, 2018, 26, 3191-3205.	6.5	36
108	CHAOTIFYING FUZZY HYPERBOLIC MODEL USING ADAPTIVE INVERSE OPTIMAL CONTROL APPROACH. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 3505-3517.	0.7	35



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109	Fault tolerant synchronization for a class of complex interconnected neural networks with delay. International Journal of Adaptive Control and Signal Processing, 2014, 28, 859-881.	2.3	35
110	An Iterative Stacking Method for Pipeline Defect Inversion With Complex MFL Signals. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3780-3788.	2.4	35
111	Adaptive Fuzzy Containment Control for Multiagent Systems With State Constraints Using Unified Transformation Functions. IEEE Transactions on Fuzzy Systems, 2022, 30, 162-174.	6.5	35
112	Research on a Novel Modulation Strategy for Auxiliary Resonant Commutated Pole Inverter With the Smallest Loss in Auxiliary Commutation Circuits. IEEE Transactions on Power Electronics, 2014, 29, 1103-1117.	5.4	34
113	A Fuzzy Adaptive Tracking Control for MIMO Switched Uncertain Nonlinear Systems in Strict-Feedback Form. IEEE Transactions on Fuzzy Systems, 2019, 27, 2443-2452.	6.5	34
114	Improved Robust Stability Criteria for Delayed Cellular Neural Networks via the LMI Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 41-45.	2.2	33
115	Adaptive synchronization of an uncertain coupling complex network with time-delay. Nonlinear Dynamics, 2014, 77, 643-653.	2.7	33
116	Data-driven adaptive dynamic programming schemes for non-zero-sum games of unknown discrete-time nonlinear systems. Neurocomputing, 2018, 275, 649-658.	3.5	33
117	Adaptive Dynamics Programming for $H^\infty$ Control of Continuous-Time Unknown Nonlinear Systems via Generalized Fuzzy Hyperbolic Models. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3996-4008.	5.9	33
118	Command-Filter-Based Fixed-Time Bipartite Containment Control for a Class of Stochastic Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3519-3529.	5.9	33
119	A Novel Approach to Observer-Based Fault Estimation and Fault-Tolerant Controller Design for $T^S$ Fuzzy Systems With Multiple Time Delays. IEEE Transactions on Fuzzy Systems, 2020, 28, 1679-1693.	6.5	32
120	Fixed-time leader-following/containment consensus for a class of nonlinear multi-agent systems. Information Sciences, 2021, 555, 58-84.	4.0	32
121	Robust fault tolerant control for a class of networked control systems with state delay and stochastic actuator failures. International Journal of Adaptive Control and Signal Processing, 2014, 28, 798-811.	2.3	31
122	Event-based $H^\infty$ control for second-order leader-following multi-agent systems. Journal of the Franklin Institute, 2016, 353, 5081-5098.	1.9	31
123	Non-fragile robust control for networked control systems with long time-varying delay, randomly occurring nonlinearity, and randomly occurring controller gain fluctuation. International Journal of Robust and Nonlinear Control, 2016, 26, 125-142.	2.1	30
124	Observer-Based Output Feedback Event-Triggered Adaptive Control for Linear Multiagent Systems Under Switching Topologies. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7161-7171.	7.2	28
125	Wirtinger-based multiple integral inequality for stability of time-delay systems. International Journal of Control, 2018, 91, 12-18.	1.2	27
126	Finite-time time-varying output formation-tracking of heterogeneous linear multi-agent systems. Journal of the Franklin Institute, 2020, 357, 926-941.	1.9	26



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127	Online event-triggered adaptive critic design for non-zero-sum games of partially unknown networked systems. <i>Neurocomputing</i> , 2019, 368, 84-98.	3.5	25
128	Adaptive dynamic surface error constrained control for MIMO systems with backlash-like hysteresis via prediction error technique. <i>Nonlinear Dynamics</i> , 2016, 84, 1989-2002.	2.7	24
129	Novel Voltage Sag Protection Topology of Contactors for Uninterrupted Switching Capability. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 3170-3178.	3.3	24
130	Bipartite Formation Tracking for Multi-Agent Systems Using Fully Distributed Dynamic Edge-Event-Triggered Protocol. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022, 9, 847-853.	8.5	24
131	The finite-horizon optimal control for a class of time-delay affine nonlinear system. <i>Neural Computing and Applications</i> , 2013, 22, 229-235.	3.2	23
132	Finite horizon optimal control of non-linear discrete-time switched systems using adaptive dynamic programming with $\mu$ -error bound. <i>International Journal of Systems Science</i> , 2014, 45, 1683-1693.	3.7	23
133	Adaptive dynamic programming for tracking design of uncertain nonlinear systems with disturbances and input constraints. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017, 31, 1567-1583.	2.3	23
134	A fuzzy adaptive tracking control for a class of uncertain strick-feedback nonlinear systems with dead-zone input. <i>Neurocomputing</i> , 2018, 272, 130-135.	3.5	23
135	A distributed Newton-Raphson-based coordination algorithm for multi-agent optimization with discrete-time communication. <i>Neural Computing and Applications</i> , 2020, 32, 4649-4663.	3.2	23
136	Distributed bipartite leader-following consensus of linear multi-agent systems with input time delay based on event-triggered transmission mechanism. <i>ISA Transactions</i> , 2020, 100, 221-234.	3.1	23
137	Dissipativity-Based Fault-Tolerant Control for Stochastic Switched Systems With Time-Varying Delay and Uncertainties. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 10683-10694.	6.2	23
138	Time-varying output formation-containment control for homogeneous/heterogeneous descriptor fractional-order multi-agent systems. <i>Information Sciences</i> , 2021, 567, 146-166.	4.0	23
139	Hierarchical Pressure Data Recovery for Pipeline Network via Generative Adversarial Networks. <i>IEEE Transactions on Automation Science and Engineering</i> , 2022, 19, 1960-1970.	3.4	23
140	Dissipativity-Based Intermittent Fault Detection and Tolerant Control for Multiple Delayed Uncertain Switched Fuzzy Stochastic Systems With Unmeasurable Premise Variables. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 8766-8780.	6.2	23
141	Near-optimal output tracking controller design for nonlinear systems using an event-driven ADP approach. <i>Neurocomputing</i> , 2018, 309, 168-178.	3.5	22
142	Parallel Optimal Tracking Control Schemes for Mode-Dependent Control of Coupled Markov Jump Systems via Integral RL Method. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020, , 1-11.	3.4	22
143	Fuzzy Adaptive Observer-Based Fault and Disturbance Reconstructions for T-S Fuzzy Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 2453-2457.	2.2	22
144	Fully Distributed Fault-Tolerant Event-Triggered Control of Microgrids Under Directed Graphs. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 3570-3579.	4.1	22

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145	Infinite horizon optimal control of affine nonlinear discrete switched systems using two-stage approximate dynamic programming. <i>International Journal of Systems Science</i> , 2012, 43, 1673-1682.	3.7	21
146	Robust Fault Estimation and Accommodation for a Class of Tâ€S Fuzzy Systems with Local Nonlinear Models. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 3506-3530.	1.2	21
147	Bipartite output consensus of heterogeneous linear multi-agent systems by dynamic triggering observer. <i>ISA Transactions</i> , 2019, 92, 14-22.	3.1	21
148	Multiple Delay-Dependent Robust $H_{\infty}$ Finite-Time Filtering for Uncertain ItÃ Stochastic Takagiâ€Sugeno Fuzzy Semi-Markovian Jump Systems With State Constraints. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 321-331.	6.5	21
149	Synchronization Criteria for an Array of Neutral-Type Neural Networks with Hybrid Coupling: A Novel Analysis Approach. <i>Neural Processing Letters</i> , 2012, 35, 29-45.	2.0	20
150	Chaotic Dynamics in Smart Grid and Suppression Scheme via Generalized Fuzzy Hyperbolic Model. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-7.	0.6	20
151	An SOS-Based Observer Design for Discrete-Time Polynomial Fuzzy Systems. <i>International Journal of Fuzzy Systems</i> , 2015, 17, 94-104.	2.3	20
152	Comprehensive frequency regulation scheme for permanent magnet synchronous generatorâ€based wind turbine generation system. <i>IET Renewable Power Generation</i> , 2019, 13, 234-244.	1.7	20
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