Zhong-Ping Jiang

List of Publications by Year
in descending order

483 papers	25,333 citations	6592 79 h-index	8370 147 g-index
503 all docs	503 docs citations	503 times ranked	7349 citing authors

#	Article	IF	Citations
1	Small-gain theorem for ISS systems and applications. Mathematics of Control, Signals, and Systems, 1994, 7, 95-120.	1.4	1,139
2	Input-to-state stability for discrete-time nonlinear systems. Automatica, 2001, 37, 857-869.	3.0	1,082
3	Tracking Control of Mobile Robots: A Case Study in Backstepping**This paper was not presented at any IFAC meeting. This paper was recommended for publication in revised form by Associate Editor Alberto Isidori under the direction of Editor Tamer BaÅŸar.. Automatica, 1997, 33, 1393-1399.	3.0	756
4	Computational adaptive optimal control for continuous-time linear systems with completely unknown dynamics. Automatica, 2012, 48, 2699-2704.	3.0	709
5	Design of Robust Adaptive Controllers for Nonlinear Systems with Dynamic Uncertainties. Automatica, 1998, 34, 825-840.	3.0	644
6	Event-based consensus of multi-agent systems with general linear models. Automatica, 2014, 50, 552-558.	3.0	559
7	A Lyapunov formulation of the nonlinear small-gain theorem for interconnected ISS systems. Automatica, 1996, 32, 1211-1215.	3.0	534
8	Decentralized adaptive output-feedback stabilization for large-scale stochastic nonlinear systems. Automatica, 2007, 43, 238-251.	3.0	527
9	Global tracking control of underactuated ships by Lyapunov's direct method. Automatica, 2002, 38, 301-309.	3.0	434
10	A Distributed Control Approach to A Robust Output Regulation Problem for Multi-Agent Linear Systems. IEEE Transactions on Automatic Control, 2010, 55, 2891-2895.	3.6	409
11	A recursive technique for tracking control of nonholonomic systems in chained form. IEEE Transactions on Automatic Control, 1999, 44, 265-279.	3.6	400
12	Event-Based Leader-following Consensus of Multi-Agent Systems with Input Time Delay. IEEE Transactions on Automatic Control, 2015, 60, 1362-1367.	3.6	399
13	<inline-formula> <tex-math notation="LaTeX">$ {H}_{ {infty }}$ </tex-math></inline-formula> Tracking Control of Completely Unknown Continuous-Time Systems via Off-Policy Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2550-2562.	7.2	384
14	Linear output feedback with dynamic high gain for nonlinear systems. Systems and Control Letters, 2004, 53, 107-116.	1.3	343
15	Distributed formation control of nonholonomic mobile robots without global position measurements. Automatica, 2013, 49, 592-600.	3.0	330
16	Robust Adaptive Dynamic Programming and Feedback Stabilization of Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 882-893.	7.2	325
17	A Small-Gain Approach to Robust Event-Triggered Control of Nonlinear Systems. IEEE Transactions on Automatic Control, 2015, 60, 2072-2085.	3.6	312
18	A Lyapunovâ€"Krasovskii methodology for ISS and iISS of time-delay systems. Systems and Control Letters, 2006, 55, 1006-1014.	1.3	310

#	ARTICLE	IF	CITATIONS
19	Robust exponential regulation of nonholonomic systems with uncertainties. Automatica, 2000, 36, 189-209.	3.0	306
20	A small-gain control method for nonlinear cascaded systems with dynamic uncertainties. IEEE Transactions on Automatic Control, 1997, 42, 292-308.	3.6	285
21	Robust adaptive path following of underactuated ships. Automatica, 2004, 40, 929-944.	3.0	272
22	Adaptive Dynamic Programming and Adaptive Optimal Output Regulation of Linear Systems. IEEE Transactions on Automatic Control, 2016, 61, 4164-4169.	3.6	269
23	Finite-Time Stabilization of Nonlinear Systems With Parametric and Dynamic Uncertainties. IEEE Transactions on Automatic Control, 2006, 51, 1950-1956.	3.6	261
24	Integrator Backstepping using Barrier Functions for Systems with Multiple State Constraints. , 0, , .		257
25	A combined backstepping and small-gain approach to adaptive output feedback control. Automatica, 1999, 35, 1131-1139.	3.0	244
26	Underactuated ship global tracking under relaxed conditions. IEEE Transactions on Automatic Control, 2002, 47, 1529-1536.	3.6	242
27	A robust adaptive backstepping scheme for nonlinear systems with unmodeled dynamics. IEEE Transactions on Automatic Control, 1999, 44, 1705-1711.	3.6	235
28	Decentralized and adaptive nonlinear tracking of large-scale systems via output feedback. IEEE Transactions on Automatic Control, 2000, 45, 2122-2128.	3.6	232
29	Stability and Stabilization of Nonlinear Systems. Communications and Control Engineering, 2011, , .	1.0	231
30	Stabilization by output feedback for systems with ISS inverse dynamics. Systems and Control Letters, 1993, 21, 19-33.	1.3	226
31	A converse Lyapunov theorem for discrete-time systems with disturbances. Systems and Control Letters, 2002, 45, 49-58.	1.3	223
32	Finite-Time Input-to-State Stability and Applications to Finite-Time Control Design. SIAM Journal on Control and Optimization, 2010, 48, 4395-4418.	1.1	211
33	Saturated stabilization and tracking of a nonholonomic mobile robot. Systems and Control Letters, 2001, 42, 327-332.	1.3	209
34	Distributed output regulation of leaderâ€"follower multiâ€agent systems. International Journal of Robust and Nonlinear Control, 2013, 23, 48-66.	2.1	201
35	A Unifying Framework for Global Regulation Via Nonlinear Output Feedback: From ISS to iISS. IEEE Transactions on Automatic Control, 2004, 49, 549-562.	3.6	198
36	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si13.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mtext>H</mml:mtext></mml:mrow><mml:mrow><mml:mi>∞</mml:mi></mml:mro control of linear discrete-time systems: Off-policy reinforcement learning. Automatica, 2017, 78, 144-152.	3.0	196

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37	Output-feedback adaptive optimal control of interconnected systems based on robust adaptive dynamic programming. Automatica, 2016, 72, 37-45.	3.0	195
38	Uniform Asymptotic Stability of Nonlinear Switched Systems With an Application to Mobile Robots. IEEE Transactions on Automatic Control, 2008, 53, 1235-1252.	3.6	193
39	Event-based control of nonlinear systems with partial state and output feedback. Automatica, 2015, 53, 10-22.	3.0	190
40	Global Adaptive Dynamic Programming for Continuous-Time Nonlinear Systems. IEEE Transactions on Automatic Control, 2015, 60, 2917-2929.	3.6	188
41	Adaptive dynamic programming and optimal control of nonlinear nonaffine systems. Automatica, 2014, 50, 2624-2632.	3.0	186
42	Universal controllers for stabilization and tracking of underactuated ships. Systems and Control Letters, 2002, 47, 299-317.	1.3	184
43	Adaptive output feedback tracking control of a nonholonomic mobile robot. Automatica, 2014, 50, 821-831.	3.0	183
44	Adaptive stabilization and tracking control of a nonholonomic mobile robot with input saturation and disturbance. Systems and Control Letters, 2013, 62, 234-241.	1.3	180
45	Value iteration and adaptive dynamic programming for data-driven adaptive optimal control design. Automatica, 2016, 71, 348-360.	3.0	166
46	Analysis of Voltage Profile Problems Due to the Penetration of Distributed Generation in Low-Voltage Secondary Distribution Networks. IEEE Transactions on Power Delivery, 2012, 27, 2020-2028.	2.9	157
47	Simultaneous Tracking and Stabilization of Mobile Robots: An Adaptive Approach. IEEE Transactions on Automatic Control, 2004, 49, 1147-1152.	3.6	153
48	Iterative design of time-varying stabilizers for multi-input systems in chained form. Systems and Control Letters, 1996, 28, 255-262.	1.3	152
49	Robust and adaptive path following for underactuated autonomous underwater vehicles. Ocean Engineering, 2004, 31, 1967-1997.	1.9	143
50	Robust adaptive dynamic programming for linear and nonlinear systems: An overview. European Journal of Control, 2013, 19, 417-425.	1.6	143
51	Necessary and Sufficient Small Gain Conditions for Integral Input-to-State Stable Systems: A Lyapunov Perspective. IEEE Transactions on Automatic Control, 2009, 54, 2389-2404.	3.6	140
52	Stable neural controller design for unknown nonlinear systems using backstepping. IEEE Transactions on Neural Networks, 2000, 11, 1347-1360.	4.8	139
53	A Global Output-Feedback Controller for Simultaneous Tracking and Stabilization of Unicycle-Type Mobile Robots. IEEE Transactions on Automation Science and Engineering, 2004, 20, 589-594.	2.4	132
54	Lyapunov formulation of ISS cyclic-small-gain in continuous-time dynamical networks. Automatica, 2011, 47, 2088-2093.	3.0	132

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55	Decentralized Adaptive Optimal Control of Large-Scale Systems With Application to Power Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 2439-2447.	5.2	131
56	Global output-feedback stabilization for a class of stochastic non-minimum-phase nonlinear systems. Automatica, 2008, 44, 1944-1957.	3.0	129
57	Global output feedback tracking for nonlinear systems in generalized output-feedback canonical form. IEEE Transactions on Automatic Control, 2002, 47, 814-819.	3.6	128
58	Distributed Output-Feedback Control of Nonlinear Multi-Agent Systems. IEEE Transactions on Automatic Control, 2013, 58, 2912-2917.	3.6	128
59	Data-Driven Adaptive Optimal Control of Connected Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 1122-1133.	4.7	128
60	Leader-to-Formation Stability of Multiagent Systems: An Adaptive Optimal Control Approach. IEEE Transactions on Automatic Control, 2018, 63, 3581-3587.	3.6	126
61	A sector bound approach to feedback control of nonlinear systems with state quantization. Automatica, 2012, 48, 145-152.	3.0	125
62	Multiple Actor-Critic Structures for Continuous-Time Optimal Control Using Input-Output Data. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 851-865.	7.2	125
63	Learning-Based Adaptive Optimal Tracking Control of Strict-Feedback Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2614-2624.	7.2	113
64	Robust Adaptive Dynamic Programming for Large-Scale Systems With an Application to Multimachine Power Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 693-697.	2.2	112
65	A global output-feedback controller for stabilization and tracking of underactuated ODIN: A spherical underwater vehicle. Automatica, 2004, 40, 117-124.	3.0	109
66	Output feedback exponential stabilization of uncertain chained systems. Journal of the Franklin Institute, 2007, 344, 36-57.	1.9	108
67	A notion of stochastic input-to-state stability and its application to stability of cascaded stochastic nonlinear systems. Acta Mathematicae Applicatae Sinica, 2008, 24, 141-156.	0.4	107
68	Optimal Output-Feedback Control of Unknown Continuous-Time Linear Systems Using Off-policy Reinforcement Learning. IEEE Transactions on Cybernetics, 2016, 46, 2401-2410.	6.2	105
69	Time-varying feedback stabilization of the attitude of a rigid spacecraft with two controls. Systems and Control Letters, 1995, 25, 375-385.	1.3	101
70	Decentralized nonlinear output-feedback stabilization with disturbance attenuation. IEEE Transactions on Automatic Control, 2001, 46, 1623-1629.	3.6	101
71	Global tracking control of a vtol aircraft without velocity measurements. IEEE Transactions on Automatic Control, 2003, 48, 2212-2217.	3.6	101
72	Active Defense-Based Resilient Sliding Mode Control Under Denial-of-Service Attacks. IEEE Transactions on Information Forensics and Security, 2020, 15, 237-249.	4.5	96

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73	A note on chaotic secure communication systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 92-96.	0.1	90
74	Decentralized disturbance attenuating output-feedback trackers for large-scale nonlinear systems. Automatica, 2002, 38, 1407-1415.	3.0	89
75	Robust Adaptive Dynamic Programming With an Application to Power Systems. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1150-1156.	7.2	89
76	Global output-feedback tracking for a benchmark nonlinear system. IEEE Transactions on Automatic Control, 2000, 45, 1023-1027.	3.6	88
77	A Small-Gain Theorem for a Wide Class of Feedback Systems with Control Applications. SIAM Journal on Control and Optimization, 2007, 46, 1483-1517.	1.1	88
78	A vector small-gain theorem for general non-linear control systems. IMA Journal of Mathematical Control and Information, 2011, 28, 309-344.	1.1	87
79	Input-to-Output Stability for Systems Described by Retarded Functional Differential Equations. European Journal of Control, 2008, 14, 539-555.	1.6	82
80	Robust nonlinear integral control. IEEE Transactions on Automatic Control, 2001, 46, 1336-1342.	3.6	80
81	Output-feedback stabilization of a class of uncertain non-minimum-phase nonlinear systems. Automatica, 2005, 41, 1609-1615.	3.0	79
82	On the Liapunovâ€"Krasovskii methodology for the ISS of systems described by coupled delay differential and difference equations. Automatica, 2008, 44, 2266-2273.	3.0	75
83	Decentralized robust disturbance attenuation for a class of large-scale nonlinear systems. Systems and Control Letters, 1999, 37, 71-85.	1.3	74
84	Small-Gain Based Output-Feedback Controller Design for a Class of Nonlinear Systems With Actuator Dynamic Quantization. IEEE Transactions on Automatic Control, 2012, 57, 1326-1332.	3.6	73
85	Distributed nonlinear control of mobile autonomous multi-agents. Automatica, 2014, 50, 1075-1086.	3.0	73
86	Robust control of uncertain nonlinear systems via measurement feedback. IEEE Transactions on Automatic Control, 1999, 44, 807-812.	3.6	71
87	A small-gain condition for iISS of interconnected retarded systems based on Lyapunovâ€"Krasovskii functionals. Automatica, 2010, 46, 1646-1656.	3.0	70
88	A switching algorithm for global exponential stabilization of uncertain chained systems. IEEE Transactions on Automatic Control, 2003, 48, 1793-1798.	3.6	69
89	Global Output Stability for Systems Described by Retarded Functional Differential Equations: Lyapunov Characterizations. European Journal of Control, 2008, 14, 516-536.	1.6	69
90	Robust Stability of Networks of iISS Systems: Construction of Sum-Type Lyapunov Functions. IEEE Transactions on Automatic Control, 2013, 58, 1192-1207.	3.6	69

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91	A generalization of the nonlinear small-gain theorem for large-scale complex systems. , 2008, , .		64
92	Global exponential setpoint control of wheeled mobile robots: a Lyapunov approach. Automatica, 2000, 36, 1741-1746.	3.0	63
93	A passification approach to adaptive nonlinear stabilization. Systems and Control Letters, 1996, 28, 73-84.	1.3	60
94	Passivity and disturbance attenuation via output feedback for uncertain nonlinear systems. IEEE Transactions on Automatic Control, 1998, 43, 992-997.	3.6	60
95	A generalization of Krasovskii-LaSalle theorem for nonlinear time-varying systems: converse results and applications. IEEE Transactions on Automatic Control, 2005, 50, 1147-1163.	3.6	59
96	Stability results for systems described by coupled retarded functional differential equations and functional difference equations. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 3339-3362.	0.6	59
97	Trailer Steering Control of a Tractorâ€"Trailer Robot. IEEE Transactions on Control Systems Technology, 2016, 24, 1240-1252.	3.2	59
98	Decentralized output-feedback control of large-scale nonlinear systems with sensor noise. Automatica, 2012, 48, 2560-2568.	3.0	58
99	Learning-Based Control: A Tutorial and Some Recent Results. Foundations and Trends in Systems and Control, 2020, 8, 176-284.	3.8	57
100	Adaptive Dynamic Programming for Stochastic Systems With State and Control Dependent Noise. IEEE Transactions on Automatic Control, 2016, 61, 4170-4175.	3.6	54
101	Topology identification of complex dynamical networks. Chaos, 2010, 20, 023119.	1.0	52
102	Small-gain theory for stability and control of dynamical networks: A Survey. Annual Reviews in Control, 2018, 46, 58-79.	4.4	51
103	Distributed Model Predictive Consensus With Self-Triggered Mechanism in General Linear Multiagent Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 3987-3997.	7.2	51
104	Necessary and sufficient Lyapunov-like conditions for robust nonlinear stabilization. ESAIM - Control, Optimisation and Calculus of Variations, 2010, 16, 887-928.	0.7	50
105	Distributed Global Output-Feedback Control for a Class of Eulerâ€"Lagrange Systems. IEEE Transactions on Automatic Control, 2017, 62, 4855-4861.	3.6	50
106	Robust global stabilization of underactuated ships on a linear course: State and output feedback. International Journal of Control, 2003, 76, 1-17.	1.2	49
107	Adaptive Optimal Output Regulation of Time-Delay Systems via Measurement Feedback. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 938-945.	7.2	49
108	Advanced feedback control of the chaotic Duffing equation. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 244-249.	0.1	48

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109	Reinforcement-Learning-Based Cooperative Adaptive Cruise Control of Buses in the Lincoln Tunnel Corridor with Time-Varying Topology. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3796-3805.	4.7	48
110	Reinforcement learning and non-zero-sum game output regulation for multi-player linear uncertain systems. Automatica, 2020, 112, 108672.	3.0	47
111	Sampled-data-based adaptive optimal output-feedback control of a 2-degree-of-freedom helicopter. IET Control Theory and Applications, 2016, 10, 1440-1447.	1.2	46
112	Finite-time output feedback stabilization of lower-triangular nonlinear systems. Automatica, 2018, 96, 259-269.	3.0	46
113	Lyapunov design of global state and output feedback trackers for non-holonomic control systems. International Journal of Control, 2000, 73, 744-761.	1.2	45
114	Data-Driven Shared Steering Control of Semi-Autonomous Vehicles. IEEE Transactions on Human-Machine Systems, 2019, 49, 350-361.	2.5	45
115	A Secure Control Learning Framework for Cyber-Physical Systems Under Sensor and Actuator Attacks. IEEE Transactions on Cybernetics, 2021, 51, 4648-4660.	6.2	43
116	Quantized Nonlinear Control — A Survey. Zidonghua Xuebao/Acta Automatica Sinica, 2013, 39, 1820-1830.	1.5	42
117	Robust adaptive control of underactuated ships on a linear course with comfort. Ocean Engineering, 2003, 30, 2201-2225.	1.9	41
118	Movement Duration, Fitts's Law, and an Infinite-Horizon Optimal Feedback Control Model for Biological Motor Systems. Neural Computation, 2013, 25, 697-724.	1.3	39
119	High-Resolution Agent-Based Modeling of COVID-19 Spreading in a Small Town. Advanced Theory and Simulations, 2021, 4, 2000277.	1.3	39
120	GLOBAL STABILIZATION OF PARAMETRIC CHAINED-FORM SYSTEMS BY TIME-VARYING DYNAMIC FEEDBACK. International Journal of Adaptive Control and Signal Processing, 1996, 10, 47-59.	2.3	38
121	Global output feedback control with disturbance attenuation for minimum-phase nonlinear systems. Systems and Control Letters, 2000, 39, 155-164.	1.3	38
122	Velocity-Scheduling Control for a Unicycle Mobile Robot: Theory and Experiments. IEEE Transactions on Robotics, 2009, 25, 451-458.	7.3	38
123	Nonlinear and Adaptive Suboptimal Control of Connected Vehicles: A Global Adaptive Dynamic Programming Approach. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 85, 597-611.	2.0	38
124	Input-to-state stability for discrete-time nonlinear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 2403-2408.	0.4	36
125	Global partial-state feedback and output-feedback tracking controllers for underactuated ships. Systems and Control Letters, 2005, 54, 1015-1036.	1.3	36
126	An Optimal Primary Frequency Control Based on Adaptive Dynamic Programming for Islanded Modernized Microgrids. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1109-1121.	3.4	36

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127	Reinforcement Learning and Adaptive Optimal Control for Continuous-Time Nonlinear Systems: A Value Iteration Approach. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2781-2790.	7.2	36
128	Reinforcement Learning-Based Cooperative Optimal Output Regulation via Distributed Adaptive Internal Model. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5229-5240.	7.2	36
129	New results in decentralized adaptive non-linear stabilization using output feedback. International Journal of Control, 2001, 74, 659-673.	1.2	35
130	Decentralized stabilization of large-scale feedforward systems using saturated delayed controls. Automatica, 2012, 48, 89-94.	3.0	35
131	Connected cruise control with delayed feedback and disturbance: An adaptive dynamic programming approach. International Journal of Adaptive Control and Signal Processing, 2019, 33, 356-370.	2.3	35
132	Global adaptive output regulation for a class of nonlinear systems with iISS inverse dynamics using output feedback. Automatica, 2013, 49, 2184-2191.	3.0	34
133	Distributed containment control of multi-agent systems with velocity and acceleration saturations. Automatica, 2020, 117, 108992.	3.0	34
134	Reinforcement learning for adaptive optimal control of continuous-time linear periodic systems. Automatica, 2020, 118, 109035.	3.0	34
135	Input-to-state stabilization of nonlinear discrete-time systems with event-triggered controllers. Systems and Control Letters, 2017, 103, 16-22.	1.3	33
136	Detection and Isolation of False Data Injection Attacks in Smart Grid via Unknown Input Interval Observer. IEEE Internet of Things Journal, 2020, 7, 3214-3229.	5.5	33
137	Adaptive Optimal Control of Linear Periodic Systems: An Off-Policy Value Iteration Approach. IEEE Transactions on Automatic Control, 2021, 66, 888-894.	3.6	33
138	Learning-Based Balance Control of Wheel-Legged Robots. IEEE Robotics and Automation Letters, 2021, 6, 7667-7674.	3.3	33
139	Preliminary results about robust lagrange stability in adaptive non€linear regulation. International Journal of Adaptive Control and Signal Processing, 1992, 6, 285-307.	2.3	32
140	A new small€gain theorem with an application to the stabilization of the chemostat. International Journal of Robust and Nonlinear Control, 2012, 22, 1602-1630.	2.1	32
141	Global robust distributed output consensus of multi-agent nonlinear systems: An internal model approach. Systems and Control Letters, 2016, 87, 64-69.	1.3	32
142	Event-triggered input-to-state stabilization of nonlinear systems subject to disturbances and dynamic uncertainties. Automatica, 2019, 108, 108488.	3.0	31
143	Resilient reinforcement learning and robust output regulation under denial-of-service attacks. Automatica, 2022, 142, 110366.	3.0	31
144	On Uniform Global Asymptotic Stability of Nonlinear Discrete-Time Systems With Applications. IEEE Transactions on Automatic Control, 2006, 51, 1644-1660.	3.6	30

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145	New Cascade Approach for Global<tex>$kappa$</tex>-Exponential Tracking of Underactuated Ships. IEEE Transactions on Automatic Control, 2004, 49, 2297-2303.	3.6	29
146	Event-Triggered Stabilization of a Class of Nonlinear Time-Delay Systems. IEEE Transactions on Automatic Control, 2021, 66, 421-428.	3.6	29
147	A survey of recent results in quantized and event-based nonlinear control. International Journal of Automation and Computing, 2015, 12, 455-466.	4.5	28
148	Consensus of multiâ€agent systems with timeâ€varying topology: An eventâ€based dynamic feedback scheme. International Journal of Robust and Nonlinear Control, 2017, 27, 1339-1350.	2.1	28
149	Continuous-Time Robust Dynamic Programming. SIAM Journal on Control and Optimization, 2019, 57, 4150-4174.	1.1	28
150	Event-Triggered Adaptive Optimal Control With Output Feedback: An Adaptive Dynamic Programming Approach. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5208-5221.	7.2	28
151	Distributed Optimization of Nonlinear Multiagent Systems: A Small-Gain Approach. IEEE Transactions on Automatic Control, 2022, 67, 676-691.	3.6	28
152	Balance Control of a Novel Wheel-legged Robot: Design and Experiments. , 2021, , .		28
153	Quantized stabilization of strict-feedback nonlinear systems based on ISS cyclic-small-gain theorem. Mathematics of Control, Signals, and Systems, 2012, 24, 75-110.	1.4	27
154	Optimal Codesign of Nonlinear Control Systems Based on a Modified Policy Iteration Method. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 409-414.	7.2	26
155	Model-Free Robust Optimal Feedback Mechanisms of Biological Motor Control. Neural Computation, 2020, 32, 562-595.	1.3	26
156	Robust Policy Iteration for Continuous-Time Linear Quadratic Regulation. IEEE Transactions on Automatic Control, 2022, 67, 504-511.	3.6	26
157	A Novel Band Selection and Spatial Noise Reduction Method for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	26
158	Robust global stabilization with ignored input dynamics: an input-to-state stability (ISS) small-gain approach. IEEE Transactions on Automatic Control, 2001, 46, 1411-1415.	3.6	25
159	Adaptive dynamic programming as a theory of sensorimotor control. Biological Cybernetics, 2014, 108, 459-473.	0.6	25
160	Lyapunovâ€"Krasovskii characterization of the input-to-state stability for neutral systems in Haleâ€™s form. Systems and Control Letters, 2017, 102, 48-56.	1.3	25
161	Event-Triggered Control of Nonlinear Systems with State Quantization. IEEE Transactions on Automatic Control, 2018, , 1-1.	3.6	25
162	Learning-Based Adaptive Optimal Control for Connected Vehicles in Mixed Traffic: Robustness to Driver Reaction Time. IEEE Transactions on Cybernetics, 2022, 52, 5267-5277.	6.2	25

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163	Stabilization and Tracking via Output Feedback for the Nonlinear Benchmark System. Automatica, 1998, 34, 907-915.	3.0	24
164	Finite-Time Input-to-State Stability and Applications to Finite-Time Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2466-2471.	0.4	24
165	An investigation of two-dimensional parameter-induced stochastic resonance and applications in nonlinear image processing. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 145207.	0.7	24
166	Lyapunov formulation of the large-scale, ISS cyclic-small-gain theorem: The discrete-time case. Systems and Control Letters, 2012, 61, 266-272.	1.3	24
167	Stabilization of nonlinear time-varying systems: a control lyapunov function approach. Journal of Systems Science and Complexity, 2009, 22, 683-696.	1.6	23
168	Multi-agent coordination with general linear models: A distributed output regulation approach. , 2010, , .		23
169	Approximate Dynamic Programming for Optimal Stationary Control With Control-Dependent Noise. IEEE Transactions on Neural Networks, 2011, 22, 2392-2398.	4.8	23
170	Lyapunov formulation of the ISS cyclic-small-gain theorem for hybrid dynamical networks. Nonlinear Analysis: Hybrid Systems, 2012, 6, 988-1001.	2.1	23
171	Construction of Lyapunovâ€"Krasovskii functionals for networks of iISS retarded systems in small-gain formulation. Automatica, 2013, 49, 3246-3257.	3.0	23
172	Flocking for multi-agent systems with optimally rigid topology based on information weighted Kalman consensus filter. International Journal of Control, Automation and Systems, 2017, 15, 138-148.	1.6	23
173	Semi-Global Finite-Time Output-Feedback Stabilization With an Application to Robotics. IEEE Transactions on Industrial Electronics, 2019, 66, 3148-3156.	5.2	23
174	Distributed Event-Triggered Formation Control of Multiagent Systems via Complex-Valued Laplacian. IEEE Transactions on Cybernetics, 2021, 51, 2178-2187.	6.2	23
175	Technical results for the study of robustness of Lagrange stability. Systems and Control Letters, 1994, 23, 67-78.	1.3	22
176	Systematic Design of Robust Event-Triggered State and Output Feedback Controllers for Uncertain Nonholonomic Systems. IEEE Transactions on Automatic Control, 2021, 66, 213-228.	3.6	22
177	Performance Analysis of Broadcasting Schemes in Mobile Ad Hoc Networks. IEEE Communications Letters, 2004, 8, 718-720.	2.5	21
178	Modeling and performance analysis of ad hoc broadcasting schemes. Performance Evaluation, 2006, 63, 1196-1215.	0.9	21
179	Nonlinear Small-Gain Condition Covering iISS Systems: Necessity and Sufficiency from a Lyapunov Perspective. , 2006, , .		21
180	Saturated Feedback Stabilization of Discrete-Time Descriptor Bilinear Systems. IEEE Transactions on Automatic Control, 2007, 52, 1700-1704.	3.6	21

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