Zhong-Ping Jiang

List of Publications by Year
in descending order

483 papers	25,333 citations	6613 79 h-index	8396 147 g-index
503 all docs	503 docs citations	503 times ranked	7349 citing authors

#	Article	IF	Citations
1	Learning-Based Adaptive Optimal Control for Flotation Processes Subject to Input Constraints. IEEE Transactions on Control Systems Technology, 2023, 31, 252-264.	5.2	0
2	Reinforcement Learning for Adaptive Optimal Stationary Control of Linear Stochastic Systems. IEEE Transactions on Automatic Control, 2023, 68, 2383-2390.	5.7	10
3	Tracking Control of Unicycle Mobile Robots With Event-Triggered and Self-Triggered Feedback. IEEE Transactions on Automatic Control, 2023, 68, 2261-2276.	5.7	11
4	Event-Triggered Robust Adaptive Dynamic Programming With Output Feedback for Large-Scale Systems. IEEE Transactions on Control of Network Systems, 2023, 10, 63-74.	3.7	3
5	Learning-Based Adaptive Optimal Control for Connected Vehicles in Mixed Traffic: Robustness to Driver Reaction Time. IEEE Transactions on Cybernetics, 2022, 52, 5267-5277.	9.5	25
6	Robust Policy Iteration for Continuous-Time Linear Quadratic Regulation. IEEE Transactions on Automatic Control, 2022, 67, 504-511.	5.7	26
7	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.	11.3	36
8	Reinforcement Learning-Based Cooperative Optimal Output Regulation via Distributed Adaptive Internal Model. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5229-5240.	11.3	36
9	Robust Reinforcement Learning for Stochastic Linear Quadratic Control with Multiplicative Noise. Lecture Notes in Control and Information Sciences, 2022, , 249-277.	1.0	3
10	Asymptotic Trajectory Tracking of Autonomous Bicycles via Backstepping and Optimal Control. , 2022, 6, 1292-1297.		7
11	Distributed Optimization of Nonlinear Multiagent Systems: A Small-Gain Approach. IEEE Transactions on Automatic Control, 2022, 67, 676-691.	5.7	28
12	Systematic design of supervisory controllers for a class of uncertain nonlinearly parameterized systems. Automatica, 2022, 135, 109991.	5.0	1
13	A new look at distributed optimal output agreement of multi-agent systems. Automatica, 2022, 136, 110053.	5.0	4
14	Robust state agreement of nonlinear multiâ€agent systems with measurement and actuator disturbances. International Journal of Robust and Nonlinear Control, 2022, 32, 1143-1161.	3.7	2
15	Nonlinear integral control with event-triggered feedback: Unknown decay rates, zeno-freeness, and asymptotic convergence. Automatica, 2022, 137, 110028.	5.0	2
16	Adaptive optimal output regulation of linear discrete-time systems based on event-triggered output-feedback. Automatica, 2022, 137, 110103.	5.0	17
17	Event-Triggered Control for Discrete-Time Systems Using a Positive Systems Approach. , 2022, 6, 1843-1848.		6
18	Hierarchical fusion of optical and dual-polarized SAR on impervious surface mapping at city scale. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 184, 264-278.	11.1	21

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19	Event-triggered control for linear time-varying systems using a positive systems approach. Systems and Control Letters, 2022, 161, 105131.	2.3	8
20	Learning-based adaptive optimal output regulation of linear and nonlinear systems: an overview. Control Theory and Technology, 2022, 20, 1-19.	1.6	13
21	Human motor learning is robust to control-dependent noise. Biological Cybernetics, 2022, 116, 307-325.	1.3	6
22	Adaptive backstepping for distributed optimization. Automatica, 2022, 141, 110304.	5.0	9
23	Resilient reinforcement learning and robust output regulation under denial-of-service attacks. Automatica, 2022, 142, 110366.	5.0	31
24	A Novel Band Selection and Spatial Noise Reduction Method for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	26
25	Continuous Safety Control of Mobile Robots in Cluttered Environments. IEEE Robotics and Automation Letters, 2022, 7, 8012-8019.	5.1	3
26	A Secure Control Learning Framework for Cyber-Physical Systems Under Sensor and Actuator Attacks. IEEE Transactions on Cybernetics, 2021, 51, 4648-4660.	9.5	43
27	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.	11.3	28
28	Cooperative Formation Control Under Switching Topology: An Experimental Case Study in Multirotors. IEEE Transactions on Cybernetics, 2021, 51, 6141-6153.	9.5	11
29	Event-Triggered Stabilization of a Class of Nonlinear Time-Delay Systems. IEEE Transactions on Automatic Control, 2021, 66, 421-428.	5.7	29
30	Systematic Design of Robust Event-Triggered State and Output Feedback Controllers for Uncertain Nonholonomic Systems. IEEE Transactions on Automatic Control, 2021, 66, 213-228.	5.7	22
31	Adaptive Optimal Control of Linear Periodic Systems: An Off-Policy Value Iteration Approach. IEEE Transactions on Automatic Control, 2021, 66, 888-894.	5.7	33
32	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.	5.2	36
33	Distributed Event-Triggered Formation Control of Multiagent Systems via Complex-Valued Laplacian. IEEE Transactions on Cybernetics, 2021, 51, 2178-2187.	9.5	23
34	Global Finite-Time Output-Feedback Stabilization of Nonlinear Systems Under Relaxed Conditions. IEEE Transactions on Automatic Control, 2021, 66, 4259-4266.	5.7	6
35	High‐Resolution Agent‐Based Modeling of COVID‐19 Spreading in a Small Town. Advanced Theory and Simulations, 2021, 4, 2000277.	2.8	39
36	Robust Autonomous Driving with Human in the Loop. Studies in Systems, Decision and Control, 2021, , 673-692.	1.0	2

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37	The 32nd Chinese Control and Decision Conference [Conference Reports]. IEEE Control Systems, 2021, 41, 86-92.	0.8	1
38	COVIDâ€19 Modeling: Highâ€Resolution Agentâ€Based Modeling of COVIDâ€19 Spreading in a Small Town (Adv.) Ti ETQq0 0 0 rgBT /O	2.8	9
39	Compensation-signal-driven control for a class of nonlinear uncertain systems. Automatica, 2021, 125, 109423.	5.0	6
40	Detection and localization of biased load attacks in smart grids via interval observer. Information Sciences, 2021, 552, 291-309.	6.9	9
41	Reduced-order fast converging observers for systems with discrete measurements and measurement error. Systems and Control Letters, 2021, 150, 104892.	2.3	6
42	Latency-Robust Control of High-Speed Signal-Free Intersections. , 2021, , .		1
43	Combined Longitudinal and Lateral Control of Autonomous Vehicles based on Reinforcement Learning. , 2021, , .		5
44	Event-triggered control using a positive systems approach. European Journal of Control, 2021, 62, 63-68.	2.6	10
45	Designing the Safe Reopening of US Towns Through Highâ€Resolution Agentâ€Based Modeling. Advanced Theory and Simulations, 2021, 4, 2100157.	2.8	10
46	Learning-Based Balance Control of Wheel-Legged Robots. IEEE Robotics and Automation Letters, 2021, 6, 7667-7674.	5.1	33
47	Reduced Order Fast Converging Observer for Systems with Discrete Measurements. IFAC-PapersOnLine, 2021, 54, 219-224.	0.9	1
48	Balance Control of a Novel Wheel-legged Robot: Design and Experiments. , 2021, , .		28
49	Distributed Formation Control of Multi-Agent via Abstraction. , 2021, , .		0
50	New Results in Stabilization of Uncertain Nonholonomic Systems: A Self-Triggered Control Approach. , 2021, , .		1
51	New Results in Stabilization of Uncertain Nonholonomic Systems: An Event-Triggered Control Approach. Journal of Systems Science and Complexity, 2021, 34, 1953-1972.	2.8	3
52	Learning-Based Control of Multiple Connected Vehicles in the Mixed Traffic by Adaptive Dynamic Programming. IFAC-PapersOnLine, 2021, 54, 370-375.	0.9	2
53	Policy Iteration and Event-Triggered Robust Adaptive Dynamic Programming for Large-Scale Systems. IFAC-PapersOnLine, 2021, 54, 376-381.	0.9	2
54	Data-Driven Adaptive Optimal Control of Mixed-Traffic Connected Vehicles in a Ring Road. , 2021, , .		5

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55	Event-Triggered Control for Systems with State Delays Using a Positive Systems Approach. , 2021, , .		3
56	Active Defense-Based Resilient Sliding Mode Control Under Denial-of-Service Attacks. IEEE Transactions on Information Forensics and Security, 2020, 15, 237-249.	6.9	96
57	Optimal Tracking With Disturbance Rejection of Voltage Source Inverters. IEEE Transactions on Industrial Electronics, 2020, 67, 4957-4968.	7.9	11
58	Data-driven constrained optimal model reduction. European Journal of Control, 2020, 53, 68-78.	2.6	5
59	Reinforcement learning and non-zero-sum game output regulation for multi-player linear uncertain systems. Automatica, 2020, 112, 108672.	5.0	47
60	Decentralized event†triggered control of large†scale nonlinear systems. International Journal of Robust and Nonlinear Control, 2020, 30, 1451-1466.	3.7	19
61	Measurement feedback control of nonlinear systems: a small-gain approach. Journal of Control and Decision, 2020, 7, 64-89.	1.6	1
62	Value-iteration-based Adaptive Optimal Reagents Control for Antimony Flotation Process. , 2020, , .		0
63	Reinforcement Learning for Multi-Agent Systems with an Application to Distributed Predictive Cruise Control. , 2020, , .		3
64	Distributed containment control of multi-agent systems with velocity and acceleration saturations. Automatica, 2020, 117, 108992.	5.0	34
65	Robust event†based control of nonlinear time†delay systems with partial state feedback. Advanced Control for Applications, 2020, 2, e35.	1.7	0
66	Distributed control of multi-agent systems with pulse-width-modulated controllers. Automatica, 2020, 119, 109020.	5.0	17
67	Robust Event-Triggered Control of Nonlinear Systems. Research on Intelligent Manufacturing, 2020, , .	0.3	17
68	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.	8.7	33
69	Model-Free Robust Optimal Feedback Mechanisms of Biological Motor Control. Neural Computation, 2020, 32, 562-595.	2.2	26
70	Reinforcement learning for adaptive optimal control of continuous-time linear periodic systems. Automatica, 2020, 118, 109035.	5.0	34
71	Learning-Based Control: A Tutorial and Some Recent Results. Foundations and Trends in Systems and Control, 2020, 8, 176-284.	7.5	57
72	A Data-driven Approach for Constrained Infinite-Horizon Linear Quadratic Regulation. , 2020, , .		2

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73	Global Output-Feedback Finite-Time Stabilization Using a Switching Technique*. , 2020, , .		0
74	Distributed Optimization of Nonlinear Uncertain Systems: An Adaptive Backstepping Design. IFAC-PapersOnLine, 2020, 53, 5653-5658.	0.9	2
75	Extremum Seeking for Nonlinear Uncertain Systems: A Small-Gain Synthesis. IFAC-PapersOnLine, 2020, 53, 5411-5416.	0.9	0
76	Robust Output Agreement of Multi-Agent Systems with Flexible Topologies. IFAC-PapersOnLine, 2020, 53, 5647-5652.	0.9	0
77	Gain Scheduled Controller Design for Balancing an Autonomous Bicycle. , 2020, , .		7
78	Nonlinear Balance Control of an Unmanned Bicycle: Design and Experiments. , 2020, , .		12
79	An IOS Small-Gain Theorem for Large-Scale Hybrid Systems. IEEE Transactions on Automatic Control, 2019, 64, 1295-1300.	5.7	8
80	Adaptive Optimal Output Regulation of Time-Delay Systems via Measurement Feedback. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 938-945.	11.3	49
81	Semi-Global Finite-Time Output-Feedback Stabilization With an Application to Robotics. IEEE Transactions on Industrial Electronics, 2019, 66, 3148-3156.	7.9	23
82	An IOS Small-Gain Theorem for Nonlinear Time-Delay Systems. , 2019, , .		0
83	Event-triggered input-to-state stabilization of nonlinear systems subject to disturbances and dynamic uncertainties. Automatica, 2019, 108, 108488.	5.0	31
84	Measurement Feedback Control of Nonlinear Uncertain Systems with Integral-ISS Dynamic Uncertainties. , 2019, , .		0
85	Attitude Synchronization for Multiple Quadrotors using Reinforcement Learning. , 2019, , .		11
86	Event-triggered adaptive optimal control using output feedback: An adaptive dynamic programming approach. , 2019, , .		4
87	On Regularization Schemes for Data-Driven Optimization. , 2019, , .		0
88	A New Switching Nonlinear Extended State Observer. , 2019, , .		0
89	Adaptive dynamic programming for finite-horizon optimal control of linear time-varying discrete-time systems. Control Theory and Technology, 2019, 17, 73-84.	1.6	21
90	An adaptive learning and control architecture for mitigating sensor and actuator attacks in connected autonomous vehicle platoons. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1788-1802.	4.1	21

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91	Data-driven adaptive optimal control of linear uncertain systems with unknown jumping dynamics. Journal of the Franklin Institute, 2019, 356, 6087-6105.	3.4	10
92	Reinforcement learning for linear continuous-time systems: an incremental learning approach. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 433-440.	13.1	17
93	Data-Driven Shared Steering Control of Semi-Autonomous Vehicles. IEEE Transactions on Human-Machine Systems, 2019, 49, 350-361.	3.5	45
94	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.	8.0	48
95	Event-based control of time-delayed nonlinear systems with partial state feedback and output feedback. , 2019, , .		0
96	Distributed Optimization of Nonlinear Multi-Agent Systems: A Small-Gain Approach. , 2019, , .		3
97	Reinforcement Learning for Adaptive Periodic Linear Quadratic Control. , 2019, , .		1
98	Reinforcement Learning for Vision-Based Lateral Control of a Self-Driving Car. , 2019, , .		4
99	A Secure Control Learning Framework for Cyber-Physical Systems under Sensor Attacks. , 2019, , .		7
100	Data-Driven Adaptive Optimal Control for Flotation Processes With Delayed Feedback and Disturbance. IEEE Access, 2019, 7, 163138-163149.	4.2	3
101	Continuous-Time Robust Dynamic Programming. SIAM Journal on Control and Optimization, 2019, 57, 4150-4174.	2.1	28
102	Robust Stabilization of Nonlinear Systems with Event-Triggered and Quantized Feedback: A Nonlinear Small-Gain Design. , 2019, , .		0
103	Distributed Containment Control of Multi-Agent Systems with Velocity and Acceleration Saturations. , 2019, , .		0
104	Detection of False Data Injection Attack in Smart Grids via Interval Observer. , 2019, , .		1
105	Predictive cruise control of connected and autonomous vehicles via reinforcement learning. IET Control Theory and Applications, 2019, 13, 2849-2855.	2.1	17
106	Synergistic Use of Optical and Dual-Polarized SAR Data With Multiple Kernel Learning for Urban Impervious Surface Mapping. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 223-236.	4.9	16
107	An Online Multiview Learning Algorithm for PolSAR Data Real-Time Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 302-320.	4.9	13
108	Distributed Model Predictive Consensus With Self-Triggered Mechanism in General Linear Multiagent Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 3987-3997.	11.3	51

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109	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.	4.1	35
110	Learning-Based Adaptive Optimal Tracking Control of Strict-Feedback Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2614-2624.	11.3	113
111	Stochastic and adaptive optimal control of uncertain interconnected systems: A data-driven approach. Systems and Control Letters, 2018, 115, 48-54.	2.3	8
112	Leader-to-Formation Stability of Multiagent Systems: An Adaptive Optimal Control Approach. IEEE Transactions on Automatic Control, 2018, 63, 3581-3587.	5.7	126
113	A Nonlinear Small-Gain Theorem for Large-Scale Infinite-Dimensional Systems. Journal of Systems Science and Complexity, 2018, 31, 188-199.	2.8	11
114	Nonlinear Control Tools for Fused Magnesium Furnaces: Design and Implementation. IEEE Transactions on Industrial Electronics, 2018, 65, 7248-7257.	7.9	14
115	Structural detectability analysis of cyber attacks for power grids via graph theory. IET Cyber-Physical Systems: Theory and Applications, 2018, 3, 158-166.	3.3	1
116	Adaptive Control for Mitigating Sensor and Actuator Attacks in Connected Autonomous Vehicle Platoons. , 2018, , .		11
117	Cooperative and Adaptive Optimal Output Regulation of Discrete-Time Multi-Agent Systems Using Reinforcement Learning. , 2018, , .		2
118	Data-driven Finite-horizon Optimal Control for Linear Time-varying Discrete-time Systems. , 2018, , .		15
119	Output Agreement of a Class of Nonlinear Multi-Agent Systems with Switching Topologies. , 2018, , .		0
120	Data-driven Shared Steering Control Design for Lane Keeping. IFAC-PapersOnLine, 2018, 51, 155-160.	0.9	4
121	An Incremental Multi-view Active Learning Algorithm for PolSAR Data Classification. , 2018, , .		3
122	Small-gain theory for stability and control of dynamical networks: A Survey. Annual Reviews in Control, 2018, 46, 58-79.	7.9	51
123	Robust State Agreement of Nonlinear Multi-agent Systems Subject to Measurement Disturbances. , 2018, , .		0
124	A Rule-Based Mechanism for Event-Triggered Robust Control of Nonlinear Systems. , 2018, , .		0
125	Event-Triggered Control of Nonlinear Systems with Quantization Events. , 2018, , .		2
126	Distributed Formation Control of Multirotors with Switching Topologies. , 2018, , .		0

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127	Event-Triggered Control of Nonlinear Systems with State Quantization. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	25
128	Finite-time output feedback stabilization of lower-triangular nonlinear systems. Automatica, 2018, 96, 259-269.	5.0	46
129	Preface â€" Special Issue on New Directions in Nonlinear and Distributed Control. Journal of Systems Science and Complexity, 2018, 31, 1-3.	2.8	12
130	Adaptive Optimal Output Regulation of Discrete-time Linear Systems subject to Input Time-delay. , 2018, , .		2
131	A new decentralised controller design method for a class of strongly interconnected systems. International Journal of Control, 2017, 90, 201-217.	1.9	10
132	<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>â^ž</mml:mi></mml:mrow> control of linear discrete-time systems: Off-policy reinforcement learning. Automatica, 2017, 78, 144-152.	5.0	196
133	Lyapunovâ€"Krasovskii characterization of the input-to-state stability for neutral systems in Haleâ€™s form. Systems and Control Letters, 2017, 102, 48-56.	2.3	25
134	Distributed Global Output-Feedback Control for a Class of Eulerâ€"Lagrange Systems. IEEE Transactions on Automatic Control, 2017, 62, 4855-4861.	5.7	50
135	Input-to-state stabilization of nonlinear discrete-time systems with event-triggered controllers. Systems and Control Letters, 2017, 103, 16-22.	2.3	33
136	Event-Triggered Control of Nonlinear Systems: A Small-Gain Approach. Lecture Notes in Control and Information Sciences, 2017, , 53-97.	1.0	0
137	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.	2.7	23
138	Self-triggered robust output feedback model predictive control of constrained linear systems. , 2017, , .		11
139	Stabilization of interconnected switched control-affine systems via a Lyapunov-based small-gain approach. , 2017, , .		0
140	Event-triggered control of nonlinear systems: A small-gain paradigm. , 2017, , .		6
141	Robust event-triggered control of nonlinear system subject to external disturbance. , 2017, , .		1
142	Cooperative optimal output regulation of multi-agent systems using adaptive dynamic programming. , 2017, , .		13
143	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.	3.4	38
144	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.	3.7	28

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145	Data-Driven Adaptive Optimal Control of Connected Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 1122-1133.	8.0	128
146	A Tool for the Global Stabilization of Stochastic Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 1946-1951.	5.7	8
147	Robust Event-Triggered Control Subject to External Disturbance * *This work was supported in part by NSF grant ECCS-1501044, in part by NSFC grants 61374042, 61522305, 61633007 and 61533007, in part by the Fundamental Research Funds for the Central Universities under Grants N130108001 and N140805001 in China, and in part by State Key Laboratory of Intelligent Control and Decision of Complex Systems at BIT. IFAC PapersOnLine, 2017, 50, 7899-7904.	0.9	3
148	Distributed control of a class of second-order nonlinear multi-agent systems with switching topologies. , 2017, , .		0
149	A new class of finite-time output feedback stabilizers for complex nonlinear systems. , 2017, , .		0
150	Robust event-triggered control of nonlinear systems with partial state feedback. , 2017, , .		0
151	An IOS small-gain theorem for large-scale hybrid systems. , 2017, , .		0
152	A new extended state observer for output tracking of nonlinear MIMO systems. , 2017, , .		7
153	ADP-based adaptive optimal tracking of strict-feedback nonlinear systems. , 2017, , .		1
154	Adaptive dynamic programming and optimal stabilization for linear systems with time-varying uncertainty. , 2017, , .		2
155	A rule-based mechanism for event-triggered control of nonlinear systems. , 2017, , .		0
156	Some Recent Results on Distributed Control of Nonlinear Systems. Lecture Notes in Control and Information Sciences, 2017, , 21-50.	1.0	0
157	Data-Driven Nonlinear Adaptive Optimal Control of Connected Vehicles. Lecture Notes in Computer Science, 2017, , 122-129.	1.3	0
158	Adaptive Dynamic Programming for Human Postural Balance Control. Lecture Notes in Computer Science, 2017, , 249-257.	1.3	0
159	Distributed Nonlinear Control of Multi-Agent Systems with Switching Topologies. Unmanned Systems, 2016, 04, 75-81.	3.6	1
160	Stability analysis for switched systems with ISS and unstable time-delayed subsystems. , 2016, , .		3
161	Model-free robust optimal feedback mechanisms of biological motor control. , 2016, , .		2
162	Constrained optimal reduced-order models from input/output data. , 2016, , .		7

#	ARTICLE	IF	CITATIONS
163	Adaptive optimal output regulation via output-feedback: An adaptive dynamic programing approach. , 2016, , .		8
164	Event-triggered control subject to external disturbance. , 2016, , .		1
165	Input-to-state stabilization of nonlinear discrete-time systems with event-triggered control. , 2016, , .		1
166	Value iteration, adaptive dynamic programming, and optimal control of nonlinear systems. , 2016, , .		11
167	Adaptive Dynamic Programming and Adaptive Optimal Output Regulation of Linear Systems. IEEE Transactions on Automatic Control, 2016, 61, 4164-4169.	5.7	269
168	Adaptive Dynamic Programming for Stochastic Systems With State and Control Dependent Noise. IEEE Transactions on Automatic Control, 2016, 61, 4170-4175.	5.7	54
169	New results in global stabilization for stochastic nonlinear systems. Control Theory and Technology, 2016, 14, 57-67.	1.6	3
170	A junction-by-junction feedback-based strategy with convergence analysis for dynamic traffic assignment. Science China Information Sciences, 2016, 59, 1-17.	4.3	3
171	Data-driven adaptive optimal output-feedback control of a 2-DOF helicopter. , 2016, , .		9
172	Optimal Output-Feedback Control of Unknown Continuous-Time Linear Systems Using Off-policy Reinforcement Learning. IEEE Transactions on Cybernetics, 2016, 46, 2401-2410.	9.5	105
173	A data-based lane-keeping steering control for autonomous vehicles: A Human-in-the-loop approach. , 2016, , .		5
174	Sampledâ€dataâ€based adaptive optimal outputâ€feedback control of a 2â€degreeâ€ofâ€freedom helicopter. IET Control Theory and Applications, 2016, 10, 1440-1447.	2.1	46
175	Output-feedback adaptive optimal control of interconnected systems based on robust adaptive dynamic programming. Automatica, 2016, 72, 37-45.	5.0	195
176	Further results on quantized stabilization of nonlinear cascaded systems with dynamic uncertainties. Science China Information Sciences, 2016, 59, 1.	4.3	7
177	Value iteration and adaptive dynamic programming for data-driven adaptive optimal control design. Automatica, 2016, 71, 348-360.	5.0	166
178	Global robust distributed output consensus of multi-agent nonlinear systems: An internal model approach. Systems and Control Letters, 2016, 87, 64-69.	2.3	32
179	Output Feedback Stabilization and Estimation of the Region of Attraction for Nonlinear Systems: A Vector Control Lyapunov Function Perspective. IEEE Transactions on Automatic Control, 2016, 61, 4034-4040.	5.7	13
180	Trailer Steering Control of a Tractorâ€"Trailer Robot. IEEE Transactions on Control Systems Technology, 2016, 24, 1240-1252.	5.2	59

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181	An iterative approach to the optimal co-design of linear control systems. International Journal of Control, 2016, 89, 680-690.	1.9	10
182	Active trailer steering for robotic tractor-trailer combinations. , 2015, , .		9
183	Complete observation against attack vulnerability for cyber-physical systems with application to power grids. , 2015, , .		4
184	Value iteration and adaptive optimal control for linear continuous-time systems. , 2015, , .		3
185	Quantized stabilization of nonlinear cascaded systems with dynamic uncertainties. , 2015, , .		0
186	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.	11.3	26
187	Global output feedback control for multiple robotic manipulators. , 2015, , .		1
188	Data-driven robust optimal control design for uncertain cascaded systems using value iteration. , 2015, , .		3
189	A sector bound approach to event-based control with state quantization. , 2015, , .		0
190	Distributed control of nonlinear multi-agents in the strict-feedback form: A cyclic-small-gain approach. , 2015, , .		0
191	H<inf>&#x221E;</inf> optimal control of unknown linear discrete-time systems: An off-policy reinforcement learning approach. , 2015, , .		4
192	Quantized event-based control of nonlinear systems. , 2015, , .		10
193	Linear optimal tracking control: An adaptive dynamic programming approach. , 2015, , .		18
194	Global Optimal Output Regulation of Partially Linear Systems via Robust Adaptive Dynamic ProgrammingâˆˆâˆˆThis work has been partly supported by the U.S. National Science Foundation grants ECCS-1101401 and ECCS-1230040.. IFAC-PapersOnLine, 2015, 48, 742-747.	0.9	11
195	Event-based nonlinear control: From centralized to decentralized systems. , 2015, , .		2
196	Event-based control of nonlinear systems with partial state and output feedback. Automatica, 2015, 53, 10-22.	5.0	190
197	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.	11.3	125
198	Event-Based Leader-following Consensus of Multi-Agent Systems with Input Time Delay. IEEE Transactions on Automatic Control, 2015, 60, 1362-1367.	5.7	399

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199	A Small-Gain Approach to Robust Event-Triggered Control of Nonlinear Systems. IEEE Transactions on Automatic Control, 2015, 60, 2072-2085.	5.7	312
200	A robust adaptive dynamic programming principle for sensorimotor control with signal-dependent noise. Journal of Systems Science and Complexity, 2015, 28, 261-288.	2.8	10
201	Special issue on learning and control in cooperative multi-agent systems. Control Theory and Technology, 2015, 13, 44-44.	1.6	0
202	Decentralized Adaptive Optimal Control of Large-Scale Systems With Application to Power Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 2439-2447.	7.9	131
203	Global Adaptive Dynamic Programming for Continuous-Time Nonlinear Systems. IEEE Transactions on Automatic Control, 2015, 60, 2917-2929.	5.7	188
204	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
205	<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.	11.3	384
206	Adaptive optimal control of connected vehicles. , 2015, , .		11
207	Distributed control of autonomous multi-agents: A small-gain approach. , 2015, , .		0
208	Quantized feedback stabilization of nonlinear cascaded systems with dynamic uncertainties. , 2014, , .		0
209	Robust adaptive dynamic programming for continuous-time linear stochastic systems. , 2014, , .		2
210	A small-gain approach to event-triggered control of nonlinear systems. , 2014, , .		2
211	Distributed control of nonlinear uncertain systems: A cyclic-small-gain approach. IEEE/CAA Journal of Automatica Sinica, 2014, 1, 46-53.	13.1	9
212	Adaptive dynamic programming for nonlinear nonaffine systems. , 2014, , .		1
213	Distributed control of nonlinear uncertain systems: A cyclic-small-gain approach. , 2014, , .		0
214	Adaptive and optimal output feedback control of linear systems: An adaptive dynamic programming approach. , 2014, , .		8
215	Distributed nonlinear control of mobile autonomous multi-agents. , 2014, , .		0
216	Distributed nonlinear control of multi-agent systems with switching topologies. , 2014, , .		1

#	Article	IF	Citations
217	Distributed output-feedback control of a class of nonlinear large-scale systems. , 2014, , .		0
218	Quantized nonlinear control-a cyclic-small-gain approach. , 2014, , .		0
219	Adaptive output feedback tracking control of a nonholonomic mobile robot. Automatica, 2014, 50, 821-831.	5.0	183
220	Event-based consensus of multi-agent systems with general linear models. Automatica, 2014, 50, 552-558.	5.0	559
221	Adaptive dynamic programming as a theory of sensorimotor control. Biological Cybernetics, 2014, 108, 459-473.	1.3	25
222	Adaptive dynamic programming and optimal control of nonlinear nonaffine systems. Automatica, 2014, 50, 2624-2632.	5.0	186
223	Distributed nonlinear control of mobile autonomous multi-agents. Automatica, 2014, 50, 1075-1086.	5.0	73
224	Robust Adaptive Dynamic Programming and Feedback Stabilization of Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 882-893.	11.3	325
225	Global Adaptive Dynamic Programming for Continuous-Time Nonlinear Polynomial Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9756-9761.	0.4	3
226	The 25th Chinese Control and Decision Conference [Conference Reports]. IEEE Control Systems, 2014, 34, 105-107.	0.8	0
227	The 26th Chinese Control and Decision Conference [Conference Reports]. IEEE Control Systems, 2014, 34, 128-130.	0.8	0
228	Consensus of multi-agent nonlinear systems by directed interactions: An internal model approach. , 2014, , .		1
229	Decentralized Robustification of Interconnected Time-Delay Systems Based on Integral Input-to-State Stability. Advances in Delays and Dynamics, 2014, , 199-213.	0.4	5
230	Asynchronous Distributed Algorithms for Heading Consensus of Multiâ€Agent Systems with Communication Delay. Asian Journal of Control, 2013, 15, 430-443.	3.0	13
231	Distributed output regulation of leaderâ€"follower multiâ€agent systems. International Journal of Robust and Nonlinear Control, 2013, 23, 48-66.	3.7	201
232	Global adaptive output regulation for a class of nonlinear systems with iISS inverse dynamics using output feedback. Automatica, 2013, 49, 2184-2191.	5.0	34
233	Distributed formation control of nonholonomic mobile robots without global position measurements. Automatica, 2013, 49, 592-600.	5.0	330
234	Robust adaptive dynamic programming for linear and nonlinear systems: An overview. European Journal of Control, 2013, 19, 417-425.	2.6	143

#	Article	IF	Citations
235	Movement Duration, Fitts's Law, and an Infinite-Horizon Optimal Feedback Control Model for Biological Motor Systems. Neural Computation, 2013, 25, 697-724.	2.2	39
236	Global Stabilization of Nonlinear Systems Based on Vector Control Lyapunov Functions. IEEE Transactions on Automatic Control, 2013, 58, 2550-2562.	5.7	20
237	Construction of Lyapunov–Krasovskii functionals for networks of iISS retarded systems in small-gain formulation. Automatica, 2013, 49, 3246-3257.	5.0	23
238	Robust adaptive dynamic programming for optimal nonlinear control design. , 2013, , .		5
239	Robust adaptive dynamic programming for sensorimotor control with signal-dependent noise. , 2013, , .		1
240	Stability analysis of nonlinear quantized and networked control systems with various communication imperfections. , 2013, , .		3
241	Robust Stability of Networks of iISS Systems: Construction of Sum-Type Lyapunov Functions. IEEE Transactions on Automatic Control, 2013, 58, 1192-1207.	5.7	69
242	Quantized Nonlinear Control – A Survey. Zidonghua Xuebao/Acta Automatica Sinica, 2013, 39, 1820-1830.	1.5	42
243	Robust Adaptive Dynamic Programming With an Application to Power Systems. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1150-1156.	11.3	89
244	Distributed Output-Feedback Control of Nonlinear Multi-Agent Systems. IEEE Transactions on Automatic Control, 2013, 58, 2912-2917.	5.7	128
245	Adaptive stabilization and tracking control of a nonholonomic mobile robot with input saturation and disturbance. Systems and Control Letters, 2013, 62, 234-241.	2.3	180
246	Reduced order dead-beat observers for the chemostat. Nonlinear Analysis: Real World Applications, 2013, 14, 340-351.	1.7	5
247	Vector control Lyapunov functions as a tool for decentralized and distributed control. , 2013, , .		0
248	Adaptive output regulation for general output feedback nonlinear systems with integral ISS inverse dynamics. , 2013, , .		0
249	Uniform asymptotic stabilization of nonlinear switched systems with arbitrary switchings and with dynamic uncertainties by means of small gain theorems. , 2013, , .		5
250	Robust stability of a dynamic traffic assignment model with uncertainties. , 2013, , .		0
251	A nonlinear small-gain approach to distributed formation control of nonholonomic mobile robots. , 2013, , .		2
252	Stabilization of generalized triangular form systems with dynamic uncertainties by means of small gain theorems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 32-37.	0.4	2

#	Article	IF	Citations
253	Saturated delayed controls for nonlinear multiple integrators. , 2012, , .		0
254	Distributed output regulation for multi-agent systems with unknown communication delays. , 2012, , .		0
255	Remarks on integral-ISS for systems with delays. , 2012, , .		8
256	A cyclic small-gain condition and an equivalent matrix-like criterion for iISS networks. , 2012, , .		0
257	Adaptive dynamic programming as a theory of sensorimotor control. , 2012, , .		3
258	Decentralized iISS Robustification of Interconnected Time-Delay Systems: A Small-Gain Approach*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 219-224.	0.4	1
259	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.	4.3	157
260	On the effects of redundant control inputs. Automatica, 2012, 48, 2168-2174.	5.0	20
261	Decentralized output-feedback control of large-scale nonlinear systems with sensor noise. Automatica, 2012, 48, 2560-2568.	5.0	58
262	Computational adaptive optimal control for continuous-time linear systems with completely unknown dynamics. Automatica, 2012, 48, 2699-2704.	5.0	709
263	A cyclic-small-gain approach to distributed output-feedback control of multi-agent nonlinear systems. , 2012, , .		1
264	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.	5.7	73
265	Robust adaptive dynamic programming for nonlinear control design. , 2012, , .		9
266	Pattern preserving path following of unicycle teams with communication delays. Robotics and Autonomous Systems, 2012, 60, 1149-1164.	5.1	6
267	Lyapunov formulation of the ISS cyclic-small-gain theorem for hybrid dynamical networks. Nonlinear Analysis: Hybrid Systems, 2012, 6, 988-1001.	3.5	23
268	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.	3.0	112
269	A new smallâ€gain theorem with an application to the stabilization of the chemostat. International Journal of Robust and Nonlinear Control, 2012, 22, 1602-1630.	3.7	32
270	Quantized stabilization of strict-feedback nonlinear systems based on ISS cyclic-small-gain theorem. Mathematics of Control, Signals, and Systems, 2012, 24, 75-110.	2.3	27

#	ARTICLE	IF	CITATIONS
271	Special issue on robust stability and control of large-scale nonlinear systems. Mathematics of Control, Signals, and Systems, 2012, 24, 1-2.	2.3	2
272	Decentralized stabilization of large-scale feedforward systems using saturated delayed controls. Automatica, 2012, 48, 89-94.	5.0	35
273	A sector bound approach to feedback control of nonlinear systems with state quantization. Automatica, 2012, 48, 145-152.	5.0	125
274	Lyapunov formulation of the large-scale, ISS cyclic-small-gain theorem: The discrete-time case. Systems and Control Letters, 2012, 61, 266-272.	2.3	24
275	Optimal control mechanism involving the human kidney. , 2011, , .		3
276	Approximate dynamic programming for stochastic systems with additive and multiplicative noise. , 2011, , .		0
277	A small-gain theorem and construction of sum-type Lyapunov functions for networks of iISS systems. , 2011, , .		7
278	Collective motion of planar particles and coupled lasers. , 2011, , .		1
279	Robust approximate dynamic programming and global stabilization with nonlinear dynamic uncertainties. , 2011, , .		15
280	Robust control of nonlinear strict-feedback systems with measurement errors. , 2011, , .		3
281	Stability and Stabilization of Nonlinear Systems. Communications and Control Engineering, 2011, , .	1.6	231
282	A Small-Gain Methodology for Networks of iISS Retarded Systems based on Lyapunov-Krasovskii Functionals. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5100-5105.	0.4	4
283	Decentralized output-feedback control of large-scale nonlinear systems with sensor noise. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2699-2704.	0.4	1
284	A Sector Bound Approach to Feedback Control of Nonlinear Systems with State Quantization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4654-4659.	0.4	1
285	Lyapunov formulation of ISS cyclic-small-gain in continuous-time dynamical networks. Automatica, 2011, 47, 2088-2093.	5.0	132
286	Hybrid dead-beat observers for a class of nonlinear systems. Systems and Control Letters, 2011, 60, 608-617.	2.3	15
287	A vector small-gain theorem for general non-linear control systems. IMA Journal of Mathematical Control and Information, 2011, 28, 309-344.	1.7	87
288	Approximate Dynamic Programming for Optimal Stationary Control With Control-Dependent Noise. IEEE Transactions on Neural Networks, 2011, 22, 2392-2398.	4.2	23

#	Article	IF	Citations
289	Distributed output regulation of uncertain and switching multi-agent systems via internal model design. , 2011, , .		1
290	Robust Output Feedback Stabilization. Communications and Control Engineering, 2011, , 261-353.	1.6	0
291	Internal Stability: Notions and Characterizations. Communications and Control Engineering, 2011, , 55-122.	1.6	0
292	Advanced Stability Methods and Applications. Communications and Control Engineering, 2011, , 203-260.	1.6	0
293	External Stability: Notions and Characterizations. Communications and Control Engineering, 2011, , 143-202.	1.6	0
294	Introduction to Control Systems. Communications and Control Engineering, 2011, , 1-54.	1.6	0
295	Converse Lyapunov Results. Communications and Control Engineering, 2011, , 123-142.	1.6	0
296	Lyapunov-ISS Cyclic-small-gain in Hybrid Dynamical Networks*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 813-818.	0.4	3
297	Evaluation of bistable systems for binary signal detection in symmetric non-Gaussian noise. Probabilistic Engineering Mechanics, 2010, 25, 119-126.	2.7	4
298	A small-gain condition for iISS of interconnected retarded systems based on Lyapunovâ€"Krasovskii functionals. Automatica, 2010, 46, 1646-1656.	5.0	70
299	Nash equilibrium and robust stability in dynamic games: A small-gain perspective. Computers and Mathematics With Applications, 2010, 60, 2936-2952.	2.7	11
300	Necessary and sufficient Lyapunov-like conditions for robust nonlinear stabilization. ESAIM - Control, Optimisation and Calculus of Variations, 2010, 16, 887-928.	1.3	50
301	Topology identification of complex dynamical networks. Chaos, 2010, 20, 023119.	2.5	52
302	A distributed control approach to robust output regulation of networked linear systems. , 2010, , .		7
303	Nash equilibrium and robust stability in dynamic games: A small-gain perspective. , 2010, , .		2
304	A Distributed Control Approach to A Robust Output Regulation Problem for Multi-Agent Linear Systems. IEEE Transactions on Automatic Control, 2010, 55, 2891-2895.	5.7	409
305	Global Output Feedback Stabilization of a Chemostat With an Arbitrary Number of Species. IEEE Transactions on Automatic Control, 2010, 55, 2570-2575.	5.7	12
306	Finite-Time Input-to-State Stability and Applications to Finite-Time Control Design. SIAM Journal on Control and Optimization, 2010, 48, 4395-4418.	2.1	211

#	ARTICLE	IF	CITATIONS
307	Lyapunov formulation of ISS cyclic-small-gain in discrete-time dynamical networks. , 2010, , .		3
308	Multi-agent coordination with general linear models: A distributed output regulation approach. , 2010, , .		23
309	Controlling Underactuated Mechanical Systems: A Review and Open Problems. Lecture Notes in Control and Information Sciences, 2010, , 77-88.	1.0	20
310	Lyapunov formulation of ISS small-gain in dynamical networks. , 2009, , .		14
311	A nonlinear small-gain theorem for large-scale time delay systems. , 2009, , .		17
312	Quantized feedback stabilization of hybrid impulsive control systems. , 2009, , .		12
313	Time-varying control laws with guaranteed persistence for a class of multi-species chemostats. , 2009, , .		5
314	Further results on Lyapunov-Krasovskii functionals via nonlinear small-gain conditions for interconnected retarded iISS systems. , 2009, , .		3
315	A vector Small-Gain Theorem for general nonlinear control systems. , 2009, , .		18
316	Robust synchronization of weighted complex dynamical networks. , 2009, , .		1
317	Pattern preserving path following of unicycle teams with communication delays. , 2009, , .		2
318	Evaluation of the method based on PSR techniques for target detection in reverberation. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 195004.	2.1	1
319	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.	2.1	24
320	Stabilization of nonlinear time-varying systems: a control lyapunov function approach. Journal of Systems Science and Complexity, 2009, 22, 683-696.	2.8	23
321	Stability and control of nonlinear systems described by retarded functional equations: a review of recent results. Science in China Series F: Information Sciences, 2009, 52, 2104-2126.	1.1	5
322	Stability results for systems described by coupled retarded functional differential equations and functional difference equations. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 3339-3362.	1.1	59
323	Velocity-Scheduling Control for a Unicycle Mobile Robot: Theory and Experiments. IEEE Transactions on Robotics, 2009, 25, 451-458.	10.3	38
324	Construction of Lyapunov-Krasovskii functionals for interconnection of retarded dynamic and static systems via a small-gain condition. , 2009, , .		7

#	ARTICLE	IF	CITATIONS
325	Global Analysis of Multi-Agent Systems Based on Vicsek's Model. IEEE Transactions on Automatic Control, 2009, 54, 2876-2881.	5.7	19
326	Asynchronous consensus protocols for multi-agent systems. , 2009, , .		0
327	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.	5.7	140
328	RELAXED CONDITIONS FOR CONSENSUS IN MULTI-AGENT COORDINATION. Journal of Systems Science and Complexity, 2008, 21, 347-361.	2.8	9
329	Global output-feedback stabilization for a class of stochastic non-minimum-phase nonlinear systems. Automatica, 2008, 44, 1944-1957.	5.0	129
330	Distributed power control and random access for spectrum sharing with QoS constraint. Computer Communications, 2008, 31, 4089-4097.	5.1	7
331	On the Liapunovâ€"Krasovskii methodology for the ISS of systems described by coupled delay differential and difference equations. Automatica, 2008, 44, 2266-2273.	5.0	75
332	Two decentralized heading consensus algorithms for nonlinear multiâ€agent systems. Asian Journal of Control, 2008, 10, 187-200.	3.0	14
333	Input-to-Output Stability for Systems Described by Retarded Functional Differential Equations. European Journal of Control, 2008, 14, 539-555.	2.6	82
334	Global Output Stability for Systems Described by Retarded Functional Differential Equations: Lyapunov Characterizations. European Journal of Control, 2008, 14, 516-536.	2.6	69
335	Decentralized control strategies for connectivity guaranteed tracking of multi-agent systems. , 2008, , .		3
336	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.	0.7	107
337	Uniform Asymptotic Stability of Nonlinear Switched Systems With an Application to Mobile Robots. IEEE Transactions on Automatic Control, 2008, 53, 1235-1252.	5.7	193
338	Control Lyapunov Functionals and robust stabilization of nonlinear time-delay systems. , 2008, , .		11
339	Advanced nonlinear control: Input-output and Lyapunov approaches. , 2008, , .		0
340	A small-gain condition for integral input-to-state stability of interconnected retarded nonlinear systems. , 2008, , .		6
341	Input-to-state stability of hybrid switched systems with impulsive effects. , 2008, , .		6
342	Connectivity guaranteed migration and tracking of multi-agent flocks. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
343	IMPROVING TARGET DETECTION IN REVERBERATION-LIMITED ENVIRONMENT VIA BISTABLE SYSTEM. Fluctuation and Noise Letters, 2008, 08, L409-L422.	1.5	1
344	Target detection in shallow-water reverberation based on parameter-induced stochastic resonance. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 105003.	2.1	7
345	A generalization of the nonlinear small-gain theorem for large-scale complex systems. , 2008, , .		64
346	Small-gain conditions and Lyapunov functions applicable equally to iISS and ISS Systems without uniformity assumption. , 2008, , .		9
347	Formation tracking control of unicycle teams with collision avoidance. , 2008, , .		9
348	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
349	Remarks on ISS and Integral-ISS Stabilization with Positive Controls. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2454-2459.	0.4	0
350	Flocking of Decentralized Multi-Agent Systems with Application to Nonholonomic Multi-Robots. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 9344-9349.	0.4	4
351	On the Consensus of Dynamic Multi-agent Systems with Changing Topology. Proceedings of the American Control Conference, 2007, , .	0.0	7
352	Nonlinear Bistable Stochastic Resonance Filters for Image Processing. , 2007, , .		1
353	Application of parameter-induced stochastic resonance to target detection in shallow-water reverberation. Applied Physics Letters, 2007, 91, .	3.3	16
354	A Small-Gain Theorem for a Wide Class of Feedback Systems with Control Applications. SIAM Journal on Control and Optimization, 2007, 46, 1483-1517.	2.1	88
355	Global Output-Feedback Stabilization for a Class of Stochastic Non-Minimum-Phase Nonlinear Systems. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	0
356	A Lyapunov function for interconnected ISS systems derived from dissipation inequalities. , 2007, , .		1
357	Saturated Feedback Stabilization of Discrete-Time Descriptor Bilinear Systems. IEEE Transactions on Automatic Control, 2007, 52, 1700-1704.	5.7	21
358	Stabilization of Time-varying Nonlinear Systems: A Control Lyapunov Function Approach. , 2007, , .		1
359	Output feedback stabilisation of uncertain nonminimum-phase systems. , 2007, , .		1
360	Stability results for systems described by retarded functional differential equations. , 2007, , .		5

#	Article	IF	Citations
361	Decentralized adaptive output-feedback stabilization for large-scale stochastic nonlinear systems. Automatica, 2007, 43, 238-251.	5.0	527
362	Output feedback exponential stabilization of uncertain chained systems. Journal of the Franklin Institute, 2007, 344, 36-57.	3.4	108
363	Finite-Time Stabilization of Nonlinear Systems With Parametric and Dynamic Uncertainties. IEEE Transactions on Automatic Control, 2006, 51, 1950-1956.	5.7	261
364	Pilot power minimization with coverage and locatability constraints in CDMA systems. IEEE Communications Letters, 2006, 10, 174-176.	4.1	1
365	On Uniform Global Asymptotic Stability of Nonlinear Discrete-Time Systems With Applications. IEEE Transactions on Automatic Control, 2006, 51, 1644-1660.	5.7	30
366	Modeling and performance analysis of ad hoc broadcasting schemes. Performance Evaluation, 2006, 63, 1196-1215.	1.2	21
367	Network flow control under capacity constraints: A case study. Systems and Control Letters, 2006, 55, 681-688.	2.3	8
368	A Lyapunovâ€"Krasovskii methodology for ISS and iISS of time-delay systems. Systems and Control Letters, 2006, 55, 1006-1014.	2.3	310
369	Enhancement of Stochastic Resonance with Tuning Noise and System Parameters. , 2006, , .		2
370	A Constructive Approach to Local Stabilization of Nonlinear Systems by Dynamic Output Feedback. IEEE Transactions on Automatic Control, 2006, 51, 1166-1171.	5.7	4
371	Nonlinear Enhancement of Weak Signals Using Optimization Theory. , 2006, , .		7
372	State Estimation for Networked Descriptor Systems with Limited Information. , 2006, , .		6
373	Nonlinear Small-Gain Condition Covering iISS Systems: Necessity and Sufficiency from a Lyapunov Perspective. , 2006, , .		21
374	On necessary conditions for stability of interconnected iISS systems. , 2006, , .		5
375	Robust finite time control of nonlinear systems with dynamic uncertainty. , 2006, , .		0
376	Enhancement of stochastic resonance by tuning system parameters and adding noise simultaneously. , 2006, , .		5
377	Finite-Time Stabilization and Identification of A Class of Uncertain Systems. , 2006, , .		0
378	Enhancement of Stochastic Resonance Using Optimization Theory. Communications in Information and Systems, 2006, 6, 1-18.	0.5	6

#	ARTICLE	IF	CITATIONS
379	REMARKS ON INPUT-TO-OUTPUT STABILITY FOR DISCRETE TIME SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 306-311.	0.4	4
380	Output-feedback stabilization of a class of uncertain non-minimum-phase nonlinear systems. Automatica, 2005, 41, 1609-1615.	5.0	79
381	-bounded robust control of nonlinear cascade systems. Systems and Control Letters, 2005, 54, 215-224.	2.3	4
382	Global partial-state feedback and output-feedback tracking controllers for underactuated ships. Systems and Control Letters, 2005, 54, 1015-1036.	2.3	36
383	A generalization of Krasovskii-LaSalle theorem for nonlinear time-varying systems: converse results and applications. IEEE Transactions on Automatic Control, 2005, 50, 1147-1163.	5.7	59
384	A control theoretic approach to stabilizing queues in large-scale networks. IEEE Communications Letters, 2005, 9, 951-953.	4.1	0
385	Output feedback stabilization and approximate and restricted tracking for a class of cascaded systems. IEEE Transactions on Automatic Control, 2005, 50, 1390-1396.	5.7	6
386	Comments on "A remark on partial-state feedback stabilization of cascade systems using small gain theorem". IEEE Transactions on Automatic Control, 2005, 50, 927-928.	5.7	1
387	Output feedback stabilization and restricted tracking for cascaded systems with bounded control. , 2004, , .		0
388	Robust and adaptive path following for underactuated autonomous underwater vehicles. Ocean Engineering, 2004, 31, 1967-1997.	4.3	143
389	Linear output feedback with dynamic high gain for nonlinear systems. Systems and Control Letters, 2004, 53, 107-116.	2.3	343
390	Robust adaptive path following of underactuated ships. Automatica, 2004, 40, 929-944.	5.0	272
391	Robust disturbance attenuation of nonlinear systems using output feedback and state-dependent scaling. Automatica, 2004, 40, 1621-1628.	5.0	13
392	Nonlinear small-gain theorems for discrete-time feedback systems and applications. Automatica, 2004, 40, 2129-2136.	5.0	16
393	A global output-feedback controller for stabilization and tracking of underactuated ODIN: A spherical underwater vehicle. Automatica, 2004, 40, 117-124.	5.0	109
394	New Cascade Approach for Global<tex>$kappa$</tex>-Exponential Tracking of Underactuated Ships. IEEE Transactions on Automatic Control, 2004, 49, 2297-2303.	5.7	29
395	A Unifying Framework for Global Regulation Via Nonlinear Output Feedback: From ISS to iISS. IEEE Transactions on Automatic Control, 2004, 49, 549-562.	5.7	198
396	Performance Analysis of Broadcasting Schemes in Mobile Ad Hoc Networks. IEEE Communications Letters, 2004, 8, 718-720.	4.1	21

#	Article	IF	Citations
397	Simultaneous Tracking and Stabilization of Mobile Robots: An Adaptive Approach. IEEE Transactions on Automatic Control, 2004, 49, 1147-1152.	5.7	153
398	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.	2.3	132
399	Optimization Based Flow Control with Improved Performance. Communications in Information and Systems, 2004, 4, 235-252.	0.5	8
400	Nonlinear flow control for network traffic management with capacity constraints. , 2004, , .		1
401	Theoretic analysis of two broadcasting protocols in mobile ad hoc networks. , 2004, , .		0
402	Robust adaptive control of underactuated ships on a linear course with comfort. Ocean Engineering, 2003, 30, 2201-2225.	4.3	41
403	On the suppression of flow-induced vibration with a simple control algorithm. Communications in Nonlinear Science and Numerical Simulation, 2003, 8, 49-64.	3.3	7
404	Global tracking control of a vtol aircraft without velocity measurements. IEEE Transactions on Automatic Control, 2003, 48, 2212-2217.	5.7	101
405	A switching algorithm for global exponential stabilization of uncertain chained systems. IEEE Transactions on Automatic Control, 2003, 48, 1793-1798.	5.7	69
406	Robust global stabilization of underactuated ships on a linear course: State and output feedback. International Journal of Control, 2003, 76, 1-17.	1.9	49
407	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
408	Underactuated ship global tracking under relaxed conditions. IEEE Transactions on Automatic Control, 2002, 47, 1529-1536.	5.7	242
409	Discussion on: â€˜Global Asymptotic Output Feedback Stabilization of Feedforward Systemsâ€™ by F. Mazenc and J.C. Vivalda. European Journal of Control, 2002, 8, 531-534.	2.6	0
410	A note on chaotic secure communication systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 92-96.	0.1	90
411	Global output feedback tracking for nonlinear systems in generalized output-feedback canonical form. IEEE Transactions on Automatic Control, 2002, 47, 814-819.	5.7	128
412	A converse Lyapunov theorem for discrete-time systems with disturbances. Systems and Control Letters, 2002, 45, 49-58.	2.3	223
413	Universal controllers for stabilization and tracking of underactuated ships. Systems and Control Letters, 2002, 47, 299-317.	2.3	184
414	Global tracking control of underactuated ships by Lyapunov's direct method. Automatica, 2002, 38, 301-309.	5.0	434

#	Article	IF	Citations
415	Decentralized disturbance attenuating output-feedback trackers for large-scale nonlinear systems. Automatica, 2002, 38, 1407-1415.	5.0	89
416	Decentralized nonlinear output-feedback stabilization with disturbance attenuation. IEEE Transactions on Automatic Control, 2001, 46, 1623-1629.	5.7	101
417	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.	5.7	25
418	Nonlinear Control of a Pneumatic Muscle Actuator System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 1129-1134.	0.4	0
419	On Stability and Stabilizability of Nonlinear Inter-Connected Discrete Time Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 1441-1446.	0.4	0
420	Direct pole placement adaptive tracking of non-minimum phase systems. Systems and Control Letters, 2001, 42, 55-67.	2.3	2
421	Saturated stabilization and tracking of a nonholonomic mobile robot. Systems and Control Letters, 2001, 42, 327-332.	2.3	209
422	Input-to-state stability for discrete-time nonlinear systems. Automatica, 2001, 37, 857-869.	5.0	1,082
423	New results in decentralized adaptive non-linear stabilization using output feedback. International Journal of Control, 2001, 74, 659-673.	1.9	35
424	Robust nonlinear integral control. IEEE Transactions on Automatic Control, 2001, 46, 1336-1342.	5.7	80
425	Robust Output-Feedback Tracker Design for Nonholonomic Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 151-156.	0.4	0
426	Global exponential setpoint control of wheeled mobile robots: a Lyapunov approach. Automatica, 2000, 36, 1741-1746.	5.0	63
427	Global output feedback control with disturbance attenuation for minimum-phase nonlinear systems. Systems and Control Letters, 2000, 39, 155-164.	2.3	38
428	Robust exponential regulation of nonholonomic systems with uncertainties. Automatica, 2000, 36, 189-209.	5.0	306
429	Decentralized adaptive output-feedback tracking for a new class of large-scale nonlinear systems. , 2000, , .		0
430	Stable neural controller design for unknown nonlinear systems using backstepping. IEEE Transactions on Neural Networks, 2000, 11, 1347-1360.	4.2	139
431	Decentralized and adaptive nonlinear tracking of large-scale systems via output feedback. IEEE Transactions on Automatic Control, 2000, 45, 2122-2128.	5.7	232
432	Global output-feedback tracking for a benchmark nonlinear system. IEEE Transactions on Automatic Control, 2000, 45, 1023-1027.	5.7	88

#	Article	IF	Citations
433	Lyapunov design of global state and output feedback trackers for non-holonomic control systems. International Journal of Control, 2000, 73, 744-761.	1.9	45
434	Decentralized robust disturbance attenuation for a class of large-scale nonlinear systems. Systems and Control Letters, 1999, 37, 71-85.	2.3	74
435	A combined backstepping and small-gain approach to adaptive output feedback control. Automatica, 1999, 35, 1131-1139.	5.0	244
436	A robustification tool for adaptive non-linear control. International Journal of Adaptive Control and Signal Processing, 1999, 13, 719-732.	4.1	3
437	A robust adaptive backstepping scheme for nonlinear systems with unmodeled dynamics. IEEE Transactions on Automatic Control, 1999, 44, 1705-1711.	5.7	235
438	A recursive technique for tracking control of nonholonomic systems in chained form. IEEE Transactions on Automatic Control, 1999, 44, 265-279.	5.7	400
439	Robust control of uncertain nonlinear systems via measurement feedback. IEEE Transactions on Automatic Control, 1999, 44, 807-812.	5.7	71
440	Observer-controller design for global tracking of nonholonomic systems. , 1999, , 207-228.		5
441	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
442	Design of Robust Adaptive Controllers for Nonlinear Systems with Dynamic Uncertainties. Automatica, 1998, 34, 825-840.	5.0	644
443	Stabilization and Tracking via Output Feedback for the Nonlinear Benchmark System. Automatica, 1998, 34, 907-915.	5.0	24
444	Passivity and disturbance attenuation via output feedback for uncertain nonlinear systems. IEEE Transactions on Automatic Control, 1998, 43, 992-997.	5.7	60
445	A Note on Robust Adaptive Output Feedback Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 19-24.	0.4	3
446	Semiglobal Stabilization in the Presence of Minimum-Phase Dynamic Input Uncertainties. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 321-326.	0.4	10
447	A small-gain control method for nonlinear cascaded systems with dynamic uncertainties. IEEE Transactions on Automatic Control, 1997, 42, 292-308.	5.7	285
448	Backstepping-based tracking control of nonholonomic chained systems. , 1997, , .		10
449	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.	5.0	756
450	H$\langle$inf$\rangle$â̂ž$\langle$/inf$\rangle$ almost disturbance decoupling with stability for uncertain nonlinear systems. , 1997, , .		10

#	Article	IF	Citations
451	Output Feedback Global Stabilization for a Class of Nonlinear Systems with Unmodelled Dynamics. European Journal of Control, 1996, 2, 201-210.	2.6	9
452	A Lyapunov formulation of the nonlinear small-gain theorem for interconnected ISS systems. Automatica, 1996, 32, 1211-1215.	5.0	534
453	GLOBAL STABILIZATION OF PARAMETRIC CHAINED-FORM SYSTEMS BY TIME-VARYING DYNAMIC FEEDBACK. International Journal of Adaptive Control and Signal Processing, 1996, 10, 47-59.	4.1	38
454	A passification approach to adaptive nonlinear stabilization. Systems and Control Letters, 1996, 28, 73-84.	2.3	60
455	Iterative design of time-varying stabilizers for multi-input systems in chained form. Systems and Control Letters, 1996, 28, 255-262.	2.3	152
456	Time-varying feedback stabilization of the attitude of a rigid spacecraft with two controls. Systems and Control Letters, 1995, 25, 375-385.	2.3	101
457	Small-gain theorem for ISS systems and applications. Mathematics of Control, Signals, and Systems, 1994, 7, 95-120.	2.3	1,139
458	Technical results for the study of robustness of Lagrange stability. Systems and Control Letters, 1994, 23, 67-78.	2.3	22
459	Stabilization by output feedback for systems with ISS inverse dynamics. Systems and Control Letters, 1993, 21, 19-33.	2.3	226
460	Preliminary results about robust lagrange stability in adaptive nonâ€linear regulation. International Journal of Adaptive Control and Signal Processing, 1992, 6, 285-307.	4.1	32
461	Input-to-state stabilization of nonlinear systems with inaccessible state. , 0, , .		1
462	Global nonlinear control of the ball and beam system. , 0, , .		16
463	Robust adaptive nonlinear regulation with dynamic uncertainties. , 0, , .		3
464	Further results on robust semiglobal stabilization with dynamic input uncertainties. , 0, , .		17
465	Nonlinear observer/controller design for a class of nonlinear systems. , 0, , .		17
466	Robust adaptive control of systems with nonlinear unmodeled dynamics. , 0, , .		2
467	Global output-feedback tracking for a benchmark nonlinear system. , 0, , .		2
468	Robust global stabilization with input unmodeled dynamics: an ISS small-gain approach. , 0, , .		4

#	Article	IF	Citations
469	Robust nonlinear integral control by partial-state and output feedback. , 0, , .		8
470	Global tracking controller design for underactuated ships. , 0, , .		3
471	New results on the feedback control of Duffing's equation. , 0, , .		2
472	Analysis and comparison of optimization algorithm for network flow control. , 0, , .		1
473	Universal output feedback controllers for nonlinear systems with unknown control direction. , 0, , .		6
474	On global output feedback stabilization of uncertain nonlinear systems. , 0, , .		6
475	Recent developments in decentralized nonlinear control. , 0, , .		2
476	Decentralized regulation for a class of large-scale networks with saturation. , 0, , .		0
477	Nonlinear Output Feedback Control of TCP/AQM Networks. , 0, , .		1
478	On the performance of broadcast schemes over one-dimensional manets. , 0, , .		1
479	Stabilizing queues in large-scale networks. , 0, , .		0
480	Constructive output feedback AQM design. , 0, , .		1
481	On Reducing Broadcast Expenses in Ad Hoc Route Discovery. , 0, , .		6
482	Integrator Backstepping using Barrier Functions for Systems with Multiple State Constraints. , 0, , .		257
483	Output feedback disturbance attenuation with robustness to nonlinear uncertain dynamics via state-dependent scaling. , 0, , .		0