

# Zhong-Ping Jiang

## List of Publications by Citations

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403  
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g-index

503  
ext. papers

21,963  
ext. citations

3.8  
avg, IF

7.45  
L-index

#	Paper	IF	Citations
403	Small-gain theorem for ISS systems and applications. <i>Mathematics of Control, Signals, and Systems</i> , <b>1994</b> , 7, 95-120	1.3	846
402	Input-to-state stability for discrete-time nonlinear systems. <i>Automatica</i> , <b>2001</b> , 37, 857-869	5.7	835
401	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 Başar. <i>Automatica</i> , <b>1997</b> , 33, 1393-1399	5.7	557
400	Design of Robust Adaptive Controllers for Nonlinear Systems with Dynamic Uncertainties. <i>Automatica</i> , <b>1998</b> , 34, 825-840	5.7	440
399	Computational adaptive optimal control for continuous-time linear systems with completely unknown dynamics. <i>Automatica</i> , <b>2012</b> , 48, 2699-2704	5.7	437
398	Event-based consensus of multi-agent systems with general linear models. <i>Automatica</i> , <b>2014</b> , 50, 552-558	5.7	430
397	A Lyapunov formulation of the nonlinear small-gain theorem for interconnected ISS systems. <i>Automatica</i> , <b>1996</b> , 32, 1211-1215	5.7	412
396	Decentralized adaptive output-feedback stabilization for large-scale stochastic nonlinear systems. <i>Automatica</i> , <b>2007</b> , 43, 238-251	5.7	408
395	Global tracking control of underactuated ships by Lyapunov's direct method. <i>Automatica</i> , <b>2002</b> , 38, 301-309	5.7	319
394	A recursive technique for tracking control of nonholonomic systems in chained form. <i>IEEE Transactions on Automatic Control</i> , <b>1999</b> , 44, 265-279	5.9	294
393	A Distributed Control Approach to A Robust Output Regulation Problem for Multi-Agent Linear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2010</b> , 55, 2891-2895	5.9	289
392	Event-Based Leader-following Consensus of Multi-Agent Systems with Input Time Delay. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 1362-1367	5.9	288
391	A Lyapunov-Krasovskii methodology for ISS and iISS of time-delay systems. <i>Systems and Control Letters</i> , <b>2006</b> , 55, 1006-1014	2.4	251
390	Linear output feedback with dynamic high gain for nonlinear systems. <i>Systems and Control Letters</i> , <b>2004</b> , 53, 107-116	2.4	246
389	H <sub>∞</sub> tracking control of completely unknown continuous-time systems via off-policy reinforcement learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 2550-62	10.3	225
388	Distributed formation control of nonholonomic mobile robots without global position measurements. <i>Automatica</i> , <b>2013</b> , 49, 592-600	5.7	217
387	A Small-Gain Approach to Robust Event-Triggered Control of Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 2072-2085	5.9	216

386	Robust adaptive dynamic programming and feedback stabilization of nonlinear systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 882-93	10.3	215
385	A small-gain control method for nonlinear cascaded systems with dynamic uncertainties. <i>IEEE Transactions on Automatic Control</i> , <b>1997</b> , 42, 292-308	5.9	204
384	Robust exponential regulation of nonholonomic systems with uncertainties. <i>Automatica</i> , <b>2000</b> , 36, 189-209	5.9	204
383	A combined backstepping and small-gain approach to adaptive output feedback control. <i>Automatica</i> , <b>1999</b> , 35, 1131-1139	5.7	197
382	Finite-Time Stabilization of Nonlinear Systems With Parametric and Dynamic Uncertainties. <i>IEEE Transactions on Automatic Control</i> , <b>2006</b> , 51, 1950-1956	5.9	193
381	Robust adaptive path following of underactuated ships. <i>Automatica</i> , <b>2004</b> , 40, 929-944	5.7	191
380	Underactuated ship global tracking under relaxed conditions. <i>IEEE Transactions on Automatic Control</i> , <b>2002</b> , 47, 1529-1536	5.9	183
379	A converse Lyapunov theorem for discrete-time systems with disturbances. <i>Systems and Control Letters</i> , <b>2002</b> , 45, 49-58	2.4	178
378	Integrator Backstepping using Barrier Functions for Systems with Multiple State Constraints		176
377	Adaptive Dynamic Programming and Adaptive Optimal Output Regulation of Linear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 4164-4169	5.9	172
376	Stabilization by output feedback for systems with ISS inverse dynamics. <i>Systems and Control Letters</i> , <b>1993</b> , 21, 19-33	2.4	171
375	A robust adaptive backstepping scheme for nonlinear systems with unmodeled dynamics. <i>IEEE Transactions on Automatic Control</i> , <b>1999</b> , 44, 1705-1711	5.9	165
374	Decentralized and adaptive nonlinear tracking of large-scale systems via output feedback. <i>IEEE Transactions on Automatic Control</i> , <b>2000</b> , 45, 2122-2128	5.9	158
373	Saturated stabilization and tracking of a nonholonomic mobile robot. <i>Systems and Control Letters</i> , <b>2001</b> , 42, 327-332	2.4	155
372	A unifying framework for global regulation via nonlinear output feedback: from ISS to iISS. <i>IEEE Transactions on Automatic Control</i> , <b>2004</b> , 49, 549-562	5.9	153
371	Universal controllers for stabilization and tracking of underactuated ships. <i>Systems and Control Letters</i> , <b>2002</b> , 47, 299-317	2.4	149
370	Distributed output regulation of leader-follower multi-agent systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2013</b> , 23, 48-66	3.6	148
369	Stability and Stabilization of Nonlinear Systems. <i>Communications and Control Engineering</i> , <b>2011</b> ,	0.6	145

368	Adaptive dynamic programming and optimal control of nonlinear nonaffine systems. <i>Automatica</i> , <b>2014</b> , 50, 2624-2632	5.7	139
367	Global Adaptive Dynamic Programming for Continuous-Time Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 2917-2929	5.9	138
366	Finite-Time Input-to-State Stability and Applications to Finite-Time Control Design. <i>SIAM Journal on Control and Optimization</i> , <b>2010</b> , 48, 4395-4418	1.9	138
365	Output-feedback adaptive optimal control of interconnected systems based on robust adaptive dynamic programming. <i>Automatica</i> , <b>2016</b> , 72, 37-45	5.7	137
364	Adaptive stabilization and tracking control of a nonholonomic mobile robot with input saturation and disturbance. <i>Systems and Control Letters</i> , <b>2013</b> , 62, 234-241	2.4	134
363	Adaptive output feedback tracking control of a nonholonomic mobile robot. <i>Automatica</i> , <b>2014</b> , 50, 821-831	5.7	133
362	Event-based control of nonlinear systems with partial state and output feedback. <i>Automatica</i> , <b>2015</b> , 53, 10-22	5.7	132
361	Uniform Asymptotic Stability of Nonlinear Switched Systems With an Application to Mobile Robots. <i>IEEE Transactions on Automatic Control</i> , <b>2008</b> , 53, 1235-1252	5.9	130
360	Simultaneous tracking and stabilization of mobile robots: an adaptive approach. <i>IEEE Transactions on Automatic Control</i> , <b>2004</b> , 49, 1147-1152	5.9	122
359	Analysis of Voltage Profile Problems Due to the Penetration of Distributed Generation in Low-Voltage Secondary Distribution Networks. <i>IEEE Transactions on Power Delivery</i> , <b>2012</b> , 27, 2020-2028	4.3	121
358	Robust and adaptive path following for underactuated autonomous underwater vehicles. <i>Ocean Engineering</i> , <b>2004</b> , 31, 1967-1997	3.9	115
357	Iterative design of time-varying stabilizers for multi-input systems in chained form. <i>Systems and Control Letters</i> , <b>1996</b> , 28, 255-262	2.4	112
356	Robust adaptive dynamic programming for linear and nonlinear systems: An overview. <i>European Journal of Control</i> , <b>2013</b> , 19, 417-425	2.5	110
355	Stable neural controller design for unknown nonlinear systems using backstepping. <i>IEEE Transactions on Neural Networks</i> , <b>2000</b> , 11, 1347-60		110
354	Global output-feedback stabilization for a class of stochastic non-minimum-phase nonlinear systems. <i>Automatica</i> , <b>2008</b> , 44, 1944-1957	5.7	109
353	Necessary and Sufficient Small Gain Conditions for Integral Input-to-State Stable Systems: A Lyapunov Perspective. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 2389-2404	5.9	106
352	A global output-feedback controller for simultaneous tracking and stabilization of unicycle-type mobile robots. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2004</b> , 20, 589-594		103
351	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 2439-2447	8.9	98

350	Multiple actor-critic structures for continuous-time optimal control using input-output data. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 851-65	10.3	95
349	H <sub>∞</sub> control of linear discrete-time systems: Off-policy reinforcement learning. <i>Automatica</i> , <b>2017</b> , 78, 144-152	5.7	94
348	Value iteration and adaptive dynamic programming for data-driven adaptive optimal control design. <i>Automatica</i> , <b>2016</b> , 71, 348-360	5.7	90
347	Global output feedback tracking for nonlinear systems in generalized output-feedback canonical form. <i>IEEE Transactions on Automatic Control</i> , <b>2002</b> , 47, 814-819	5.9	90
346	Lyapunov formulation of ISS cyclic-small-gain in continuous-time dynamical networks. <i>Automatica</i> , <b>2011</b> , 47, 2088-2093	5.7	87
345	A sector bound approach to feedback control of nonlinear systems with state quantization. <i>Automatica</i> , <b>2012</b> , 48, 145-152	5.7	85
344	A global output-feedback controller for stabilization and tracking of underactuated ODIN: A spherical underwater vehicle. <i>Automatica</i> , <b>2004</b> , 40, 117-124	5.7	83
343	Distributed Output-Feedback Control of Nonlinear Multi-Agent Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 2912-2917	5.9	81
342	Output feedback exponential stabilization of uncertain chained systems. <i>Journal of the Franklin Institute</i> , <b>2007</b> , 344, 36-57	4	81
341	Robust Adaptive Dynamic Programming for Large-Scale Systems With an Application to Multimachine Power Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2012</b> , 59, 693-697	5.7	79
340	A notion of stochastic input-to-state stability and its application to stability of cascaded stochastic nonlinear systems. <i>Acta Mathematicae Applicatae Sinica</i> , <b>2008</b> , 24, 141-156	0.3	79
339	On global tracking control of a VTOL aircraft without velocity measurements. <i>IEEE Transactions on Automatic Control</i> , <b>2003</b> , 48, 2212-2217	5.9	77
338	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2017</b> , 18, 1122-1133	6.1	76
337	<b>2017</b> ,		75
336	Time-varying feedback stabilization of the attitude of a rigid spacecraft with two controls. <i>Systems and Control Letters</i> , <b>1995</b> , 25, 375-385	2.4	73
335	A Small-Gain Theorem for a Wide Class of Feedback Systems with Control Applications. <i>SIAM Journal on Control and Optimization</i> , <b>2007</b> , 46, 1483-1517	1.9	71
334	A note on chaotic secure communication systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2002</b> , 49, 92-96		71
333	Learning-Based Adaptive Optimal Tracking Control of Strict-Feedback Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 2614-2624	10.3	69

332	Decentralized disturbance attenuating output-feedback trackers for large-scale nonlinear systems. <i>Automatica</i> , <b>2002</b> , 38, 1407-1415	5.7	69
331	Global output-feedback tracking for a benchmark nonlinear system. <i>IEEE Transactions on Automatic Control</i> , <b>2000</b> , 45, 1023-1027	5.9	68
330	Decentralized nonlinear output-feedback stabilization with disturbance attenuation. <i>IEEE Transactions on Automatic Control</i> , <b>2001</b> , 46, 1623-1629	5.9	67
329	Robust adaptive dynamic programming with an application to power systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2013</b> , 24, 1150-6	10.3	66
328	On the Liapunov-Krasovskii methodology for the ISS of systems described by coupled delay differential and difference equations. <i>Automatica</i> , <b>2008</b> , 44, 2266-2273	5.7	66
327	Input-to-Output Stability for Systems Described by Retarded Functional Differential Equations. <i>European Journal of Control</i> , <b>2008</b> , 14, 539-555	2.5	65
326	Global Output Stability for Systems Described by Retarded Functional Differential Equations: Lyapunov Characterizations. <i>European Journal of Control</i> , <b>2008</b> , 14, 516-536	2.5	61
325	Leader-to-Formation Stability of Multiagent Systems: An Adaptive Optimal Control Approach. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 3581-3587	5.9	59
324	Optimal Output-Feedback Control of Unknown Continuous-Time Linear Systems Using Off-policy Reinforcement Learning. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 2401-2410	10.2	59
323	A vector small-gain theorem for general non-linear control systems. <i>IMA Journal of Mathematical Control and Information</i> , <b>2011</b> , 28, 309-344	1.1	57
322	A small-gain condition for iISS of interconnected retarded systems based on Lyapunov-Krasovskii functionals. <i>Automatica</i> , <b>2010</b> , 46, 1646-1656	5.7	57
321	Output-feedback stabilization of a class of uncertain non-minimum-phase nonlinear systems. <i>Automatica</i> , <b>2005</b> , 41, 1609-1615	5.7	56
320	Robust Stability of Networks of iISS Systems: Construction of Sum-Type Lyapunov Functions. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 1192-1207	5.9	54
319	Robust nonlinear integral control. <i>IEEE Transactions on Automatic Control</i> , <b>2001</b> , 46, 1336-1342	5.9	53
318	Decentralized robust disturbance attenuation for a class of large-scale nonlinear systems. <i>Systems and Control Letters</i> , <b>1999</b> , 37, 71-85	2.4	53
317	Robust control of uncertain nonlinear systems via measurement feedback. <i>IEEE Transactions on Automatic Control</i> , <b>1999</b> , 44, 807-812	5.9	52
316	Active Defense-Based Resilient Sliding Mode Control Under Denial-of-Service Attacks. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2020</b> , 15, 237-249	8	52
315	Small-Gain Based Output-Feedback Controller Design for a Class of Nonlinear Systems With Actuator Dynamic Quantization. <i>IEEE Transactions on Automatic Control</i> , <b>2012</b> , 57, 1326-1332	5.9	51

314	Stability results for systems described by coupled retarded functional differential equations and functional difference equations. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>2009</b> , 71, 3339-3362	1.3	51
313	Distributed nonlinear control of mobile autonomous multi-agents. <i>Automatica</i> , <b>2014</b> , 50, 1075-1086	5.7	50
312	A switching algorithm for global exponential stabilization of uncertain chained systems. <i>IEEE Transactions on Automatic Control</i> , <b>2003</b> , 48, 1793-1798	5.9	49
311	A generalization of Krasovskii-LaSalle theorem for nonlinear time-varying systems: converse results and applications. <i>IEEE Transactions on Automatic Control</i> , <b>2005</b> , 50, 1147-1163	5.9	48
310	Global exponential setpoint control of wheeled mobile robots: a Lyapunov approach. <i>Automatica</i> , <b>2000</b> , 36, 1741-1746	5.7	47
309	Topology identification of complex dynamical networks. <i>Chaos</i> , <b>2010</b> , 20, 023119	3.3	46
308	Distributed Global Output-Feedback Control for a Class of Euler-Lagrange Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 4855-4861	5.9	42
307	Necessary and sufficient Lyapunov-like conditions for robust nonlinear stabilization. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , <b>2010</b> , 16, 887-928	1	41
306	Decentralized output-feedback control of large-scale nonlinear systems with sensor noise. <i>Automatica</i> , <b>2012</b> , 48, 2560-2568	5.7	40
305	Robust global stabilization of underactuated ships on a linear course: State and output feedback. <i>International Journal of Control</i> , <b>2003</b> , 76, 1-17	1.5	40
304	A passification approach to adaptive nonlinear stabilization. <i>Systems and Control Letters</i> , <b>1996</b> , 28, 73-84	2.4	40
303	Advanced feedback control of the chaotic Duffing equation. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2002</b> , 49, 244-249		39
302	Passivity and disturbance attenuation via output feedback for uncertain nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , <b>1998</b> , 43, 992-997	5.9	39
301	Trailer Steering Control of a Tractor-Trailer Robot. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 1240-1252	4.8	38
300	Sampled-data-based adaptive optimal output-feedback control of a 2-degree-of-freedom helicopter. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 1440-1447	2.5	37
299	Lyapunov design of global state and output feedback trackers for non-holonomic control systems. <i>International Journal of Control</i> , <b>2000</b> , 73, 744-761	1.5	34
298	Nonlinear and Adaptive Suboptimal Control of Connected Vehicles: A Global Adaptive Dynamic Programming Approach. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2017</b> , 85, 597-611	2.9	33
297	Robust adaptive control of underactuated ships on a linear course with comfort. <i>Ocean Engineering</i> , <b>2003</b> , 30, 2201-2225	3.9	31

296	Small-gain theory for stability and control of dynamical networks: A Survey. <i>Annual Reviews in Control</i> , <b>2018</b> , 46, 58-79	10.3	31
295	Velocity-Scheduling Control for a Unicycle Mobile Robot: Theory and Experiments. <i>IEEE Transactions on Robotics</i> , <b>2009</b> , 25, 451-458	6.5	30
294	Finite-time output feedback stabilization of lower-triangular nonlinear systems. <i>Automatica</i> , <b>2018</b> , 96, 259-269	5.7	29
293	Global adaptive output regulation for a class of nonlinear systems with iISS inverse dynamics using output feedback. <i>Automatica</i> , <b>2013</b> , 49, 2184-2191	5.7	29
292	Movement duration, Fitts's law, and an infinite-horizon optimal feedback control model for biological motor systems. <i>Neural Computation</i> , <b>2013</b> , 25, 697-724	2.9	29
291	Quantized Nonlinear Control A Survey. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , <b>2013</b> , 39, 1820-1830		29
290	GLOBAL STABILIZATION OF PARAMETRIC CHAINED-FORM SYSTEMS BY TIME-VARYING DYNAMIC FEEDBACK. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>1996</b> , 10, 47-59	2.8	29
289	Distributed Model Predictive Consensus With Self-Triggered Mechanism in General Linear Multiagent Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 3987-3997	11.9	29
288	Decentralized stabilization of large-scale feedforward systems using saturated delayed controls. <i>Automatica</i> , <b>2012</b> , 48, 89-94	5.7	28
287	Global output feedback control with disturbance attenuation for minimum-phase nonlinear systems. <i>Systems and Control Letters</i> , <b>2000</b> , 39, 155-164	2.4	28
286	New results in decentralized adaptive non-linear stabilization using output feedback. <i>International Journal of Control</i> , <b>2001</b> , 74, 659-673	1.5	27
285	Preliminary results about robust lagrange stability in adaptive non-linear regulation. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>1992</b> , 6, 285-307	2.8	27
284	On Uniform Global Asymptotic Stability of Nonlinear Discrete-Time Systems With Applications. <i>IEEE Transactions on Automatic Control</i> , <b>2006</b> , 51, 1644-1660	5.9	25
283	Global robust distributed output consensus of multi-agent nonlinear systems: An internal model approach. <i>Systems and Control Letters</i> , <b>2016</b> , 87, 64-69	2.4	24
282	Consensus of multi-agent systems with time-varying topology: An event-based dynamic feedback scheme. <i>International Journal of Robust and Nonlinear Control</i> , <b>2017</b> , 27, 1339-1350	3.6	24
281	A new small-gain theorem with an application to the stabilization of the chemostat. <i>International Journal of Robust and Nonlinear Control</i> , <b>2012</b> , 22, 1602-1630	3.6	24
280	New cascade approach for global $\gamma$ -exponential tracking of underactuated ships. <i>IEEE Transactions on Automatic Control</i> , <b>2004</b> , 49, 2297-2303	5.9	23
279	Learning-Based Control: A Tutorial and Some Recent Results. <i>Foundations and Trends in Systems and Control</i> , <b>2020</b> , 8, 176-284	4	23



278	Data-Driven Shared Steering Control of Semi-Autonomous Vehicles. <i>IEEE Transactions on Human-Machine Systems</i> , <b>2019</b> , 49, 350-361	4.1	22
277	Global partial-state feedback and output-feedback tracking controllers for underactuated ships. <i>Systems and Control Letters</i> , <b>2005</b> , 54, 1015-1036	2.4	22
276	Adaptive Dynamic Programming for Stochastic Systems With State and Control Dependent Noise. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 4170-4175	5.9	22
275	Input-to-state stabilization of nonlinear discrete-time systems with event-triggered controllers. <i>Systems and Control Letters</i> , <b>2017</b> , 103, 16-22	2.4	21
274	Optimal codesign of nonlinear control systems based on a modified policy iteration method. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 409-14	10.3	21
273	An investigation of two-dimensional parameter-induced stochastic resonance and applications in nonlinear image processing. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2009</b> , 42, 145207	2	21
272	Reinforcement-Learning-Based Cooperative Adaptive Cruise Control of Buses in the Lincoln Tunnel Corridor with Time-Varying Topology. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2019</b> , 20, 3796-3805	6.1	20
271	Stabilization and Tracking via Output Feedback for the Nonlinear Benchmark System. <i>Automatica</i> , <b>1998</b> , 34, 907-915	5.7	20
270	Technical results for the study of robustness of Lagrange stability. <i>Systems and Control Letters</i> , <b>1994</b> , 23, 67-78	2.4	20
269	Reinforcement learning and non-zero-sum game output regulation for multi-player linear uncertain systems. <i>Automatica</i> , <b>2020</b> , 112, 108672	5.7	20
268	A survey of recent results in quantized and event-based nonlinear control. <i>International Journal of Automation and Computing</i> , <b>2015</b> , 12, 455-466	3.5	19
267	Adaptive Optimal Output Regulation of Time-Delay Systems via Measurement Feedback. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 938-945	10.3	19
266	Nonlinear Control of Dynamic Networks		19
265	Connected cruise control with delayed feedback and disturbance: An adaptive dynamic programming approach. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2019</b> , 33, 356-370 <sup>8</sup>	7.8	19
264	Detection and Isolation of False Data Injection Attacks in Smart Grid via Unknown Input Interval Observer. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 3214-3229	10.7	18
263	Adaptive dynamic programming as a theory of sensorimotor control. <i>Biological Cybernetics</i> , <b>2014</b> , 108, 459-73	2.8	18
262	Approximate dynamic programming for optimal stationary control with control-dependent noise. <i>IEEE Transactions on Neural Networks</i> , <b>2011</b> , 22, 2392-8		18
261	Continuous-Time Robust Dynamic Programming. <i>SIAM Journal on Control and Optimization</i> , <b>2019</b> , 57, 4150-4174	1.9	18

260	Lyapunov formulation of the large-scale, ISS cyclic-small-gain theorem: The discrete-time case. <i>Systems and Control Letters</i> , <b>2012</b> , 61, 266-272	2.4	17
259	Construction of Lyapunov-Rasovskii functionals for networks of iISS retarded systems in small-gain formulation. <i>Automatica</i> , <b>2013</b> , 49, 3246-3257	5.7	17
258	Lyapunov formulation of the ISS cyclic-small-gain theorem for hybrid dynamical networks. <i>Nonlinear Analysis: Hybrid Systems</i> , <b>2012</b> , 6, 988-1001	4.5	17
257	Quantized stabilization of strict-feedback nonlinear systems based on ISS cyclic-small-gain theorem. <i>Mathematics of Control, Signals, and Systems</i> , <b>2012</b> , 24, 75-110	1.3	17
256	Multi-agent coordination with general linear models: A distributed output regulation approach <b>2010</b> ,		17
255	Finite-Time Input-to-State Stability and Applications to Finite-Time Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 2466-2471		17
254	Flocking for multi-agent systems with optimally rigid topology based on information weighted Kalman consensus filter. <i>International Journal of Control, Automation and Systems</i> , <b>2017</b> , 15, 138-148	2.9	16
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218	Linear optimal tracking control: An adaptive dynamic programming approach <b>2015</b> ,		10
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180	Self-triggered robust output feedback model predictive control of constrained linear systems <b>2017</b> ,		6
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168	Data-driven adaptive optimal output-feedback control of a 2-DOF helicopter <b>2016</b> ,		6
167	Synergistic Use of Optical and Dual-Polarized SAR Data With Multiple Kernel Learning for Urban Impervious Surface Mapping. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2019</b> , 12, 223-236	4.7	6
166	Reinforcement Learning-Based Cooperative Optimal Output Regulation via Distributed Adaptive Internal Model. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	6
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148	Event-triggered control of nonlinear systems: A small-gain paradigm <b>2017</b> ,		4
147	Cooperative optimal output regulation of multi-agent systems using adaptive dynamic programming <b>2017</b> ,		4
146	A distributed control approach to robust output regulation of networked linear systems <b>2010</b> ,		4
145	Backstepping-based tracking control of nonholonomic chained systems <b>1997</b> ,		4
144	A constructive approach to local stabilization of nonlinear systems by dynamic output feedback. <i>IEEE Transactions on Automatic Control</i> , <b>2006</b> , 51, 1166-1171	5-9	4
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142	REMARKS ON INPUT-TO-OUTPUT STABILITY FOR DISCRETE TIME SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 306-311		4
141	-bounded robust control of nonlinear cascade systems. <i>Systems and Control Letters</i> , <b>2005</b> , 54, 215-224	2-4	4
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135	A new extended state observer for output tracking of nonlinear MIMO systems <b>2017</b> ,		3



134	Complete observation against attack vulnerability for cyber-physical systems with application to power grids <b>2015,</b>		3
133	Value iteration and adaptive optimal control for linear continuous-time systems <b>2015,</b>		3
132	Data-driven robust optimal control design for uncertain cascaded systems using value iteration <b>2015,</b>		3
131	A Small-Gain Methodology for Networks of iISS Retarded Systems based on Lyapunov-Krasovskii Functionals. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 5100-5105		3
130	Robust control of nonlinear strict-feedback systems with measurement errors <b>2011,</b>		3
129	Evaluation of bistable systems for binary signal detection in symmetric non-Gaussian noise. <i>Probabilistic Engineering Mechanics</i> , <b>2010</b> , 25, 119-126	2.6	3
128	A small-gain condition for integral input-to-state stability of interconnected retarded nonlinear systems <b>2008,</b>		3
127	Input-to-state stability of hybrid switched systems with impulsive effects <b>2008,</b>		3
126	Stability results for systems described by retarded functional differential equations <b>2007,</b>		3
125	Nonlinear Enhancement of Weak Signals Using Optimization Theory <b>2006,</b>		3
124	State Estimation for Networked Descriptor Systems with Limited Information <b>2006,</b>		3
123	On reducing broadcast expenses in ad hoc route discovery		3
122	Control of Interconnected Nonlinear Systems: A Small-Gain Viewpoint. <i>Lecture Notes in Control and Information Sciences</i> , <b>2004</b> , 201-214	0.5	3
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119	A robustification tool for adaptive non-linear control. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>1999</b> , 13, 719-732	2.8	3
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117	Enhancement of Stochastic Resonance Using Optimization Theory. <i>Communications in Information and Systems</i> , <b>2006</b> , 6, 1-18	0.8	3

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114	Reduced-order fast converging observers for systems with discrete measurements and measurement error. <i>Systems and Control Letters</i> , <b>2021</b> , 150, 104892	2.4	3
113	Stability analysis for switched systems with ISS and unstable time-delayed subsystems <b>2016</b> ,		3
112	New results in global stabilization for stochastic nonlinear systems. <i>Control Theory and Technology</i> , <b>2016</b> , 14, 57-67	1	3
111	Data-driven Shared Steering Control Design for Lane Keeping. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 155-160	0.7	3
110	Distributed Optimization of Nonlinear Multi-Agent Systems: A Small-Gain Approach. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	3
109	Cooperative Formation Control Under Switching Topology: An Experimental Case Study in Multirotors. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	2
108	Adaptive Optimal Output Regulation of Discrete-time Linear Systems subject to Input Time-delay <b>2018</b> ,		2
107	Event-triggered adaptive optimal control using output feedback: An adaptive dynamic programming approach <b>2019</b> ,		2
106	Stability analysis of nonlinear quantized and networked control systems with various communication imperfections <b>2013</b> ,		2
105	Stabilization of generalized triangular form systems with dynamic uncertainties by means of small gain theorems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 32-37		2
104	Optimal control mechanism involving the human kidney <b>2011</b> ,		2
103	Further results on Lyapunov-Krasovskii functionals via nonlinear small-gain conditions for interconnected retarded iISS systems <b>2009</b> ,		2
102	Pattern preserving path following of unicycle teams with communication delays <b>2009</b> ,		2
101	Adaptive dynamic programming as a theory of sensorimotor control <b>2012</b> ,		2
100	Lyapunov-ISS Cyclic-small-gain in Hybrid Dynamical Networks*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 813-818		2
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97	Recent developments in decentralized nonlinear control		2
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95	Robust nonlinear integral control by partial-state and output feedback		2
94	Event-Triggered Control for Discrete-Time Systems Using a Positive Systems Approach <b>2022</b> , 6, 1843-1848		2
93	Reinforcement Learning for Multi-Agent Systems with an Application to Distributed Predictive Cruise Control <b>2020</b> ,		2
92	Compensation-signal-driven control for a class of nonlinear uncertain systems. <i>Automatica</i> , <b>2021</b> , 125, 109423	5.7	2
91	Adaptive optimal output regulation via output-feedback: An adaptive dynamic programming approach <b>2016</b> ,		2
90	A junction-by-junction feedback-based strategy with convergence analysis for dynamic traffic assignment. <i>Science China Information Sciences</i> , <b>2016</b> , 59, 1-17	3.4	2
89	Distributed Optimization of Nonlinear Multi-Agent Systems: A Small-Gain Approach <b>2019</b> ,		2
88	Cooperative and Adaptive Optimal Output Regulation of Discrete-Time Multi-Agent Systems Using Reinforcement Learning <b>2018</b> ,		2
87	Learning-Based Balance Control of Wheel-Legged Robots. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 7667-7674	4.2	2
86	Learning-based adaptive optimal output regulation of linear and nonlinear systems: an overview. <i>Control Theory and Technology</i> , <b>2022</b> , 20, 1-19	1	2
85	Event-Triggered Control for Systems with State Delays Using a Positive Systems Approach <b>2021</b> ,		2
84	Semi-Global Adaptive Dynamic Programming <b>2017</b> , 35-47		1
83	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	0.7	1
82	Adaptive dynamic programming and optimal stabilization for linear systems with time-varying uncertainty <b>2017</b> ,		1
81	Global output feedback control for multiple robotic manipulators <b>2015</b> ,		1

80	Event-based nonlinear control: From centralized to decentralized systems <b>2015</b> ,		1
79	A small-gain approach to event-triggered control of nonlinear systems <b>2014</b> ,		1
78	Adaptive dynamic programming for nonlinear nonaffine systems <b>2014</b> ,		1
77	Adaptive and optimal output feedback control of linear systems: An adaptive dynamic programming approach <b>2014</b> ,		1
76	A cyclic-small-gain approach to distributed output-feedback control of multi-agent nonlinear systems <b>2012</b> ,		1
75	Decentralized output-feedback control of large-scale nonlinear systems with sensor noise. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 2699-2704		1
74	Nash equilibrium and robust stability in dynamic games: A small-gain perspective <b>2010</b> ,		1
73	Lyapunov formulation of ISS cyclic-small-gain in discrete-time dynamical networks <b>2010</b> ,		1
72	Collective motion of planar particles and coupled lasers <b>2011</b> ,		1
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