

Miroslav Krstic

List of Publications by Year in descending order

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836
papers

33,177
citations

3721

89
h-index

8138

148
g-index

872
all docs

872
docs citations

872
times ranked

7155
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of extremum seeking feedback for general nonlinear dynamic systems. Automatica, 2000, 36, 595-601.	3.0	1,070
2	Adaptive nonlinear control without overparametrization. Systems and Control Letters, 1992, 19, 177-185.	1.3	651
3	Backstepping boundary control for first-order hyperbolic PDEs and application to systems with actuator and sensor delays. Systems and Control Letters, 2008, 57, 750-758.	1.3	614
4	Delay Compensation for Nonlinear, Adaptive, and PDE Systems. Systems and Control: Foundations and Applications, 2009, , .	0.1	603
5	Stochastic nonlinear stabilization "I: A backstepping design. Systems and Control Letters, 1997, 32, 143-150.	1.3	573
6	Time-varying feedback for regulation of normal-form nonlinear systems in prescribed finite time. Automatica, 2017, 83, 243-251.	3.0	467
7	Closed-Form Boundary State Feedbacks for a Class of 1-D Partial Integro-Differential Equations. IEEE Transactions on Automatic Control, 2004, 49, 2185-2202.	3.6	452
8	Output-feedback stochastic nonlinear stabilization. IEEE Transactions on Automatic Control, 1999, 44, 328-333.	3.6	410
9	Backstepping observers for a class of parabolic PDEs. Systems and Control Letters, 2005, 54, 613-625.	1.3	378
10	Adaptive nonlinear design with controller-identifier separation and swapping. IEEE Transactions on Automatic Control, 1995, 40, 426-440.	3.6	366
11	Input Delay Compensation for Forward Complete and Strict-Feedforward Nonlinear Systems. IEEE Transactions on Automatic Control, 2010, 55, 287-303.	3.6	336
12	Performance improvement and limitations in extremum seeking control. Systems and Control Letters, 2000, 39, 313-326.	1.3	324
13	Robust dynamic positioning of ships with disturbances under input saturation. Automatica, 2016, 73, 207-214.	3.0	319
14	Inverse optimal stabilization of a rigid spacecraft. IEEE Transactions on Automatic Control, 1999, 44, 1042-1049.	3.6	287
15	Prescribed-Time Consensus and Containment Control of Networked Multiagent Systems. IEEE Transactions on Cybernetics, 2019, 49, 1138-1147.	6.2	274
16	Inverse optimal design of input-to-state stabilizing nonlinear controllers. IEEE Transactions on Automatic Control, 1998, 43, 336-350.	3.6	265
17	Nash Equilibrium Seeking in Noncooperative Games. IEEE Transactions on Automatic Control, 2012, 57, 1192-1207.	3.6	263
18	Adaptive Control of Parabolic PDEs. , 2010, , .		260

#	ARTICLE	IF	CITATIONS
19	PID tuning using extremum seeking: online, model-free performance optimization. IEEE Control Systems, 2006, 26, 70-79.	1.0	259
20	Lyapunov Stability of Linear Predictor Feedback for Time-Varying Input Delay. IEEE Transactions on Automatic Control, 2010, 55, 554-559.	3.6	259
21	Local Exponential H^2 Stabilization of a 2×2 Quasilinear Hyperbolic System Using Backstepping. SIAM Journal on Control and Optimization, 2013, 51, 2005-2035.	1.1	257
22	Battery State Estimation for a Single Particle Model With Electrolyte Dynamics. IEEE Transactions on Control Systems Technology, 2017, 25, 453-468.	3.2	229
23	Multivariable Newton-based extremum seeking. Automatica, 2012, 48, 1759-1767.	3.0	223
24	Stabilization of a System of $n+1$ Coupled First-Order Hyperbolic Linear PDEs With a Single Boundary Input. IEEE Transactions on Automatic Control, 2013, 58, 3097-3111.	3.6	220
25	Adaptive Boundary Control for Unstable Parabolic PDEs—Part I: Lyapunov Design. IEEE Transactions on Automatic Control, 2008, 53, 1575-1591.	3.6	215
26	Control of Homodirectional and General Heterodirectional Linear Coupled Hyperbolic PDEs. IEEE Transactions on Automatic Control, 2016, 61, 3301-3314.	3.6	213
27	Adaptive trajectory tracking despite unknown input delay and plant parameters. Automatica, 2009, 45, 2074-2081.	3.0	211
28	Nonlinear Stabilization Under Sampled and Delayed Measurements, and With Inputs Subject to Delay and Zero-Order Hold. IEEE Transactions on Automatic Control, 2012, 57, 1141-1154.	3.6	210
29	Nonlinear design of adaptive controllers for linear systems. IEEE Transactions on Automatic Control, 1994, 39, 738-752.	3.6	209
30	Compensating actuator and sensor dynamics governed by diffusion PDEs. Systems and Control Letters, 2009, 58, 372-377.	1.3	205
31	Output-feedback stabilization of an unstable wave equation. Automatica, 2008, 44, 63-74.	3.0	204
32	Lyapunov tools for predictor feedbacks for delay systems: Inverse optimality and robustness to delay mismatch. Automatica, 2008, 44, 2930-2935.	3.0	203
33	Compensation of State-Dependent Input Delay for Nonlinear Systems. IEEE Transactions on Automatic Control, 2013, 58, 275-289.	3.6	201
34	Adaptive Partial Differential Equation Observer for Battery State-of-Charge/State-of-Health Estimation Via an Electrochemical Model. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	192
35	Nonholonomic Source Seeking With Tuning of Angular Velocity. IEEE Transactions on Automatic Control, 2009, 54, 717-731.	3.6	190
36	Source seeking with non-holonomic unicycle without position measurement and with tuning of forward velocity. Systems and Control Letters, 2007, 56, 245-252.	1.3	188

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37	Fault-tolerant finite time consensus for multiple uncertain nonlinear mechanical systems under single-way directed communication interactions and actuation failures. <i>Automatica</i> , 2016, 63, 374-383.	3.0	182
38	Extremum seeking control for discrete-time systems. <i>IEEE Transactions on Automatic Control</i> , 2002, 47, 318-323.	3.6	179
39	Control of PDE-ODE cascades with Neumann interconnections. <i>Journal of the Franklin Institute</i> , 2010, 347, 284-314.	1.9	179
40	Backstepping boundary stabilization and state estimation of a 2 × 2 linear hyperbolic system. , 2011, , .		169
41	Boundary control of an unstable heat equation via measurement of domain-averaged temperature. <i>IEEE Transactions on Automatic Control</i> , 2001, 46, 2022-2028.	3.6	167
42	Delay-Adaptive Predictor Feedback for Systems With Unknown Long Actuator Delay \$ \$. <i>IEEE Transactions on Automatic Control</i> , 2010, 55, 2106-2112.	3.6	167
43	Output-feedback stabilization of stochastic nonlinear systems driven by noise of unknown covariance. <i>Systems and Control Letters</i> , 2000, 39, 173-182.	1.3	162
44	Optimizing bioreactors by extremum seeking. <i>International Journal of Adaptive Control and Signal Processing</i> , 1999, 13, 651-669.	2.3	160
45	Stochastic nonlinear stabilization â€™ II: Inverse optimality. <i>Systems and Control Letters</i> , 1997, 32, 151-159.	1.3	156
46	Compensation of Time-Varying Input and State Delays for Nonlinear Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2012, 134, .	0.9	154
47	On global stabilization of Burgersâ€™ equation by boundary control. <i>Systems and Control Letters</i> , 1999, 37, 123-141.	1.3	149
48	Compensating a String PDE in the Actuation or Sensing Path of an Unstable ODE. <i>IEEE Transactions on Automatic Control</i> , 2009, 54, 1362-1368.	3.6	147
49	On control design for PDEs with space-dependent diffusivity or time-dependent reactivity. <i>Automatica</i> , 2005, 41, 1601-1608.	3.0	146
50	Time-varying feedback for stabilization in prescribed finite time. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 618-633.	2.1	145
51	Adaptive boundary control for unstable parabolic PDEsâ€™Part II: Estimation-based designs. <i>Automatica</i> , 2007, 43, 1543-1556.	3.0	143
52	Extremum seeking for moderately unstable systems and for autonomous vehicle target tracking without position measurements. <i>Automatica</i> , 2007, 43, 1832-1839.	3.0	140
53	Boundary Stabilization of a 1-D Wave Equation with In-Domain Antidamping. <i>SIAM Journal on Control and Optimization</i> , 2010, 48, 4014-4031.	1.1	138
54	Lyapunov Stability of Linear Predictor Feedback for Distributed Input Delays. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 655-660.	3.6	132

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55	Delay-Adaptive Control for Nonlinear Systems. IEEE Transactions on Automatic Control, 2014, 59, 1203-1218.	3.6	130
56	Boundary observer design for hyperbolic PDEs-ODE cascade systems. Automatica, 2016, 68, 75-86.	3.0	129
57	Transient-performance improvement with a new class of adaptive controllers. Systems and Control Letters, 1993, 21, 451-461.	1.3	127
58	PDE Boundary Control for Flexible Articulated Wings on a Robotic Aircraft. IEEE Transactions on Robotics, 2013, 29, 625-640.	7.3	126
59	Formation Flight Optimization Using Extremum Seeking Feedback. Journal of Guidance, Control, and Dynamics, 2003, 26, 132-142.	1.6	124
60	Boundary control of an anti-stable wave equation with anti-damping on the uncontrolled boundary. Systems and Control Letters, 2009, 58, 617-623.	1.3	124
61	An adaptive algorithm for control of combustion instability. Automatica, 2004, 40, 1965-1972.	3.0	121
62	Prescribed-Time Observers for Linear Systems in Observer Canonical Form. IEEE Transactions on Automatic Control, 2019, 64, 3905-3912.	3.6	121
63	Adaptive boundary control for unstable parabolic PDEs-Part III: Output feedback examples with swapping identifiers. Automatica, 2007, 43, 1557-1564.	3.0	119
64	Robustness of nonlinear predictor feedback laws to time- and state-dependent delay perturbations. Automatica, 2013, 49, 1576-1590.	3.0	119
65	Control of 1-D parabolic PDEs with Volterra nonlinearities, Part I: Design. Automatica, 2008, 44, 2778-2790.	3.0	118
66	A dynamic high-gain design for prescribed-time regulation of nonlinear systems. Automatica, 2020, 115, 108860.	3.0	116
67	Robust control of nonlinear systems with input unmodeled dynamics. IEEE Transactions on Automatic Control, 1996, 41, 913-920.	3.6	115
68	Lyapunov-Krasovskii functionals and application to input delay compensation for linear time-invariant systems. Automatica, 2012, 48, 1317-1323.	3.0	115
69	Feedback Linearizability and Explicit Integrator Forwarding Controllers for Classes of Feedforward Systems. IEEE Transactions on Automatic Control, 2004, 49, 1668-1682.	3.6	114
70	Compensation of Infinite-Dimensional Actuator and Sensor Dynamics. IEEE Control Systems, 2010, 30, 22-41.	1.0	113
71	Arbitrary Decay Rate for Euler-Bernoulli Beam by Backstepping Boundary Feedback. IEEE Transactions on Automatic Control, 2009, 54, 1134-1140.	3.6	112
72	Improved Synchronverters with Bounded Frequency and Voltage for Smart Grid Integration. IEEE Transactions on Smart Grid, 2018, 9, 786-796.	6.2	111

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73	Nonovershooting Control of Strict-Feedback Nonlinear Systems. IEEE Transactions on Automatic Control, 2006, 51, 1938-1943.	3.6	110
74	Extremum Seeking With Stochastic Perturbations. IEEE Transactions on Automatic Control, 2009, 54, 580-585.	3.6	109
75	Adaptive-gain observer-based stabilization of stochastic strict-feedback systems with sensor uncertainty. Automatica, 2020, 120, 109112.	3.0	109
76	Stability enhancement by boundary control in the Kuramoto-Sivashinsky equation. Nonlinear Analysis: Theory, Methods & Applications, 2001, 43, 485-507.	0.6	107
77	Control of an unstable reaction-diffusion PDE with long input delay. Systems and Control Letters, 2009, 58, 773-782.	1.3	107
78	Power Optimization and Control in Wind Energy Conversion Systems Using Extremum Seeking. IEEE Transactions on Control Systems Technology, 2014, 22, 1684-1695.	3.2	107
79	Stabilization of linear strict-feedback systems with delayed integrators. Automatica, 2010, 46, 1902-1910.	3.0	104
80	Stabilization of coupled linear heterodirectional hyperbolic PDE-ODE systems. Automatica, 2018, 87, 281-289.	3.0	104
81	Extremum seeking for limit cycle minimization. IEEE Transactions on Automatic Control, 2000, 45, 2432-2436.	3.6	102
82	Adaptive control of Burgers' equation with unknown viscosity. International Journal of Adaptive Control and Signal Processing, 2001, 15, 745-766.	2.3	102
83	Stochastic source seeking for nonholonomic unicycle. Automatica, 2010, 46, 1443-1453.	3.0	102
84	Adaptive output-feedback stabilization of non-local hyperbolic PDEs. Automatica, 2014, 50, 2692-2699.	3.0	102
85	Leader-Enabled Deployment Onto Planar Curves: A PDE-Based Approach. IEEE Transactions on Automatic Control, 2011, 56, 1791-1806.	3.6	100
86	Extremum Seeking for Static Maps With Delays. IEEE Transactions on Automatic Control, 2017, 62, 1911-1926.	3.6	100
87	Control of wing rock motion using adaptive feedback linearization. Journal of Guidance, Control, and Dynamics, 1996, 19, 905-912.	1.6	99
88	Sampled-data boundary feedback control of 1-D parabolic PDEs. Automatica, 2018, 87, 226-237.	3.0	98
89	Delay-adaptive feedback for linear feedforward systems. Systems and Control Letters, 2010, 59, 277-283.	1.3	97
90	Minimum-Seeking for CLFs: Universal Semiglobally Stabilizing Feedback Under Unknown Control Directions. IEEE Transactions on Automatic Control, 2013, 58, 1107-1122.	3.6	97

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91	Optimal design of adaptive tracking controllers for non-linear systems. <i>Automatica</i> , 1997, 33, 1459-1473.	3.0	96
92	Stochastic Averaging in Continuous Time and Its Applications to Extremum Seeking. <i>IEEE Transactions on Automatic Control</i> , 2010, 55, 2235-2250.	3.6	95
93	Stabilization of an ODE's Schrödinger Cascade. <i>Systems and Control Letters</i> , 2013, 62, 503-510.	1.3	93
94	Traffic congestion control for Aw's Rasclé's Zhang model. <i>Automatica</i> , 2019, 100, 38-51.	3.0	92
95	Stochastic Nonlinear Prescribed-Time Stabilization and Inverse Optimality. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 1179-1193.	3.6	92
96	ISS with Respect to Boundary Disturbances for 1-D Parabolic PDEs. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 3712-3724.	3.6	91
97	Stabilization and Gevrey Regularity of a Schrödinger Equation in Boundary Feedback With a Heat Equation. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 179-185.	3.6	90
98	Extremum seeking with bounded update rates. <i>Systems and Control Letters</i> , 2014, 63, 25-31.	1.3	90
99	Adaptive control of PDEs. <i>Annual Reviews in Control</i> , 2008, 32, 149-160.	4.4	89
100	On Compensating Long Actuator Delays in Nonlinear Control. <i>IEEE Transactions on Automatic Control</i> , 2008, 53, 1684-1688.	3.6	89
101	Control of a Tip-Force Destabilized Shear Beam by Observer-Based Boundary Feedback. <i>SIAM Journal on Control and Optimization</i> , 2008, 47, 553-574.	1.1	88
102	Output-feedback adaptive control of a wave PDE with boundary anti-damping. <i>Automatica</i> , 2014, 50, 1407-1415.	3.0	88
103	Prescribed-time output feedback for linear systems in controllable canonical form. <i>Automatica</i> , 2019, 107, 77-85.	3.0	88
104	Backstepping boundary control of Burgers's equation with actuator dynamics. <i>Systems and Control Letters</i> , 2000, 41, 291-303.	1.3	86
105	Infinite Dimensional Backstepping-Style Feedback Transformations for a Heat Equation with an Arbitrary Level of Instability. <i>European Journal of Control</i> , 2002, 8, 165-175.	1.6	85
106	Adaptive nonlinear output-feedback schemes with Marino-Tomei controller. <i>IEEE Transactions on Automatic Control</i> , 1996, 41, 274-280.	3.6	84
107	Control of mixing by boundary feedback in 2D channel flow. <i>Automatica</i> , 2003, 39, 1597-1606.	3.0	84
108	HCCI Engine Combustion-Timing Control: Optimizing Gains and Fuel Consumption Via Extremum Seeking. <i>IEEE Transactions on Control Systems Technology</i> , 2009, 17, 1350-1361.	3.2	84

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109	Nonlinear stabilization through wave PDE dynamics with a moving uncontrolled boundary. Automatica, 2016, 68, 27-38.	3.0	84
110	Backstepping control of chemical tubular reactors. Computers and Chemical Engineering, 2002, 26, 1077-1085.	2.0	82
111	Boundary Controllers and Observers for the Linearized Schrödinger Equation. SIAM Journal on Control and Optimization, 2011, 49, 1479-1497.	1.1	82
112	3-D Source Seeking for Underactuated Vehicles Without Position Measurement. IEEE Transactions on Robotics, 2009, 25, 117-129.	7.3	81
113	Useful nonlinearities and global stabilization of bifurcations in a model of jet engine surge and stall. IEEE Transactions on Automatic Control, 1998, 43, 1739-1745.	3.6	79
114	Multi-Agent Deployment in 3-D via PDE Control. IEEE Transactions on Automatic Control, 2015, 60, 891-906.	3.6	79
115	Robustness of the tuning functions adaptive backstepping design for linear systems. IEEE Transactions on Automatic Control, 1998, 43, 431-437.	3.6	78
116	Backstepping-Forwarding Control and Observation for Hyperbolic PDEs With Fredholm Integrals. IEEE Transactions on Automatic Control, 2015, 60, 2145-2160.	3.6	78
117	Dynamic positioning of ships with unknown parameters and disturbances. Control Engineering Practice, 2018, 76, 22-30.	3.2	78
118	Delay-robustness of linear predictor feedback without restriction on delay rate. Automatica, 2013, 49, 1761-1767.	3.0	77
119	Stabilization of nonlinear delay systems using approximate predictors and high-gain observers. Automatica, 2013, 49, 3623-3631.	3.0	75
120	Finite-time multi-agent deployment: A nonlinear PDE motion planning approach. Automatica, 2011, 47, 2534-2542.	3.0	74
121	Adaptive Control With Exponential Regulation in the Absence of Persistent Excitation. IEEE Transactions on Automatic Control, 2017, 62, 2589-2596.	3.6	74
122	Robustness of Adaptive Nonlinear Control to Bounded Uncertainties. Automatica, 1998, 34, 1227-1230.	3.0	73
123	Boundary Control of Coupled Reaction-Advection-Diffusion Systems With Spatially-Varying Coefficients. IEEE Transactions on Automatic Control, 2017, 62, 2026-2033.	3.6	73
124	Compensation of Wave Actuator Dynamics for Nonlinear Systems. IEEE Transactions on Automatic Control, 2014, 59, 1555-1570.	3.6	72
125	Input-to-State Stability for PDEs. Communications and Control Engineering, 2019, , .	1.0	71
126	Stochastic Averaging and Stochastic Extremum Seeking. Communications and Control Engineering, 2012, , .	1.0	70

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127	ISS In Different Norms For 1-D Parabolic Pdes With Boundary Disturbances. SIAM Journal on Control and Optimization, 2017, 55, 1716-1751.	1.1	70
128	Bounded Integral Control of Input-to-State Practically Stable Nonlinear Systems to Guarantee Closed-Loop Stability. IEEE Transactions on Automatic Control, 2016, 61, 4196-4202.	3.6	69
129	Predictor-Feedback Stabilization of Multi-Input Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 516-531.	3.6	66
130	Self-tuning control of a nonlinear model of combustion instabilities. IEEE Transactions on Control Systems Technology, 1999, 7, 424-436.	3.2	65
131	Burgers' equation with nonlinear boundary feedback:H1stability, well-posedness and simulation. Mathematical Problems in Engineering, 2000, 6, 189-200.	0.6	65
132	Marcum -functions and explicit kernels for stabilization of linear hyperbolic systems with constant coefficients. Systems and Control Letters, 2014, 68, 33-42.	1.3	65
133	Adaptive backstepping control of uncertain linear systems under unknown actuator delay. Automatica, 2015, 54, 256-265.	3.0	65
134	Nonlinear control of mine ventilation networks. Systems and Control Letters, 2003, 49, 239-254.	1.3	64
135	Adaptive sinusoidal disturbance cancellation for unknown LTI systems despite input delay. Automatica, 2015, 58, 131-138.	3.0	64
136	Control Lyapunov functions for adaptive nonlinear stabilization. Systems and Control Letters, 1995, 26, 17-23.	1.3	63
137	Rejection of sinusoidal disturbance of unknown frequency for linear system with input delay. , 2010, ,		63
138	An Adaptive Observer Design for $n+1$ Coupled Linear Hyperbolic PDEs Based on Swapping. IEEE Transactions on Automatic Control, 2016, 61, 3979-3990.	3.6	63
139	Boundary control of the Korteweg-de Vries-Burgers equation: further results on stabilization and well-posedness, with numerical demonstration. IEEE Transactions on Automatic Control, 2000, 45, 1739-1745.	3.6	62
140	Exact predictor feedbacks for multi-input LTI systems with distinct input delays. Automatica, 2016, 71, 143-150.	3.0	62
141	Source Seeking for Two Nonholonomic Models of Fish Locomotion. IEEE Transactions on Robotics, 2009, 25, 1166-1176.	7.3	61
142	Mean-Nonovershooting Control of Stochastic Nonlinear Systems. IEEE Transactions on Automatic Control, 2021, 66, 5756-5771.	3.6	61
143	Stability enhancement by boundary control in 2-D channel flow. IEEE Transactions on Automatic Control, 2001, 46, 1696-1711.	3.6	60
144	Power Optimization for Photovoltaic Microconverters Using Multivariable Newton-Based Extremum Seeking. IEEE Transactions on Control Systems Technology, 2014, 22, 2141-2149.	3.2	60

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145	Flow Control by Feedback. Communications and Control Engineering, 2003, , .	1.0	59
146	A Closed-Form Feedback Controller for Stabilization of the Linearized 2-D Navier-Stokes Poiseuille System. IEEE Transactions on Automatic Control, 2007, 52, 2298-2312.	3.6	59
147	Compensating the Distributed Effect of Diffusion and Counter-Convection in Multi-Input and Multi-Output LTI Systems. IEEE Transactions on Automatic Control, 2011, 56, 637-643.	3.6	59
148	On the relation of delay equations to first-order hyperbolic partial differential equations. ESAIM - Control, Optimisation and Calculus of Variations, 2014, 20, 894-923.	0.7	58
149	Boundary Control of the Linearized Ginzburg-Landau Model of Vortex Shedding. SIAM Journal on Control and Optimization, 2005, 43, 1953-1971.	1.1	57
150	Control of 1D parabolic PDEs with Volterra nonlinearities, Part II: Analysis. Automatica, 2008, 44, 2791-2803.	3.0	57
151	Wave Equation Stabilization by Delays Equal to Even Multiples of the Wave Propagation Time. SIAM Journal on Control and Optimization, 2011, 49, 517-554.	1.1	56
152	Stabilization of Reaction Diffusion Equations With State Delay Using Boundary Control Input. IEEE Transactions on Automatic Control, 2016, 61, 4041-4047.	3.6	56
153	Prescribed-Time Output-Feedback Control of Stochastic Nonlinear Systems. IEEE Transactions on Automatic Control, 2023, 68, 1431-1446.	3.6	56
154	Backstepping Boundary Controllers and Observers for the Slender Timoshenko Beam: Part I-Design. , 2006, , .		55
155	Observer design for a class of nonlinear ODE-PDE cascade systems. Systems and Control Letters, 2015, 83, 19-27.	1.3	55
156	Stabilization of a solid propellant rocket instability by state feedback. International Journal of Robust and Nonlinear Control, 2003, 13, 483-495.	2.1	54
157	Iterative learning control based on extremum seeking. Automatica, 2016, 66, 238-245.	3.0	54
158	Monotonicity Methods for Input-to-State Stability of Nonlinear Parabolic PDEs with Boundary Disturbances. SIAM Journal on Control and Optimization, 2019, 57, 510-532.	1.1	53
159	Analysis and design of multivariable extremum seeking. , 2002, , .		52
160	Systematization of approaches to adaptive boundary stabilization of PDEs. International Journal of Robust and Nonlinear Control, 2006, 16, 801-818.	2.1	52
161	Quantized-Input Control Lyapunov Approach for Permanent Magnet Synchronous Motor Drives. IEEE Transactions on Control Systems Technology, 2013, 21, 1784-1794.	3.2	52
162	Nonlinear control under wave actuator dynamics with time- and state-dependent moving boundary. International Journal of Robust and Nonlinear Control, 2015, 25, 222-251.	2.1	52

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163	Predictor Feedback for Delay Systems: Implementations and Approximations. Systems and Control: Foundations and Applications, 2017, , .	0.1	51
164	Stochastic Adaptive Nonlinear Control With Filterless Least Squares. IEEE Transactions on Automatic Control, 2021, 66, 3893-3905.	3.6	51
165	Event-triggered boundary control of constant-parameter reactionâ€“diffusion PDEs: A small-gain approach. Automatica, 2021, 128, 109562.	3.0	50
166	State derivative feedback for adaptive cancellation of unmatched disturbances in unknown strict-feedback LTI systems. Automatica, 2014, 50, 2539-2545.	3.0	49
167	Adaptive Output Feedback Control for Uncertain Linear Time-Delay Systems. IEEE Transactions on Automatic Control, 2017, 62, 545-560.	3.6	49
168	Boundary Observer for Output-Feedback Stabilization of Thermal-Fluid Convection Loop. IEEE Transactions on Control Systems Technology, 2010, 18, 789-797.	3.2	48
169	Stochastic Nash Equilibrium Seeking for Games with General Nonlinear Payoffs. SIAM Journal on Control and Optimization, 2011, 49, 1659-1679.	1.1	48
170	Adaptive finite time coordinated consensus for high-order multi-agent systems: Adjustable fraction power feedback approach. Information Sciences, 2016, 372, 392-406.	4.0	48
171	Backstepping in Infinite Dimension for a Class of Parabolic Distributed Parameter Systems. Mathematics of Control, Signals, and Systems, 2003, 16, 44-75.	1.4	47
172	Reduction of DC-bus voltage ripples and capacitors for single-phase PWM-controlled rectifiers. , 2012, , .		47
173	State-of-Charge estimation from a thermalâ€“electrochemical model of lithium-ion batteries. Automatica, 2017, 83, 206-219.	3.0	47
174	Stability of predictor-based feedback for nonlinear systems with distributed input delay. Automatica, 2016, 70, 195-203.	3.0	46
175	Boundary Exponential Stabilization of 1-Dimensional Inhomogeneous Quasi-Linear Hyperbolic Systems. SIAM Journal on Control and Optimization, 2019, 57, 963-998.	1.1	46
176	Optimal mixing enhancement in 3-D pipe flow. IEEE Transactions on Control Systems Technology, 2005, 13, 27-41.	3.2	45
177	Nonlinear Stabilization of Shock-Like Unstable Equilibria in the Viscous Burgers PDE. IEEE Transactions on Automatic Control, 2008, 53, 1678-1683.	3.6	45
178	Laser pulse shaping via extremum seeking. Control Engineering Practice, 2012, 20, 674-683.	3.2	45
179	Global stabilisation of nonlinear delay systems with a compact absorbing set. International Journal of Control, 2014, 87, 1010-1027.	1.2	44
180	Lean backstepping design for a jet engine compressor model. , 0, , .		43

#	ARTICLE	IF	CITATIONS
181	Stabilization of linearized 2D magnetohydrodynamic channel flow by backstepping boundary control. <i>Systems and Control Letters</i> , 2008, 57, 805-812.	1.3	43
182	A globally asymptotically stable polynomial vector field with no polynomial Lyapunov function. , 2011, , ,		43
183	Numerical schemes for nonlinear predictor feedback. <i>Mathematics of Control, Signals, and Systems</i> , 2014, 26, 519-546.	1.4	43
184	Adaptive rejection of harmonic disturbance anticollocated with control in 1D wave equation. <i>Automatica</i> , 2017, 79, 17-26.	3.0	43
185	Sampled-data boundary feedback control of 1-D linear transport PDEs with non-local terms. <i>Systems and Control Letters</i> , 2017, 107, 68-75.	1.3	43
186	Adaptive Certainty-Equivalence Control With Regulation-Triggered Finite-Time Least-Squares Identification. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 3261-3275.	3.6	43
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