

# Miroslav Krstic

## List of Publications by Year in descending order

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836  
papers

33,177  
citations

3731

89  
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8167

148  
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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.	5.0	1,070
2	Adaptive nonlinear control without overparametrization. Systems and Control Letters, 1992, 19, 177-185.	2.3	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.	2.3	614
4	Delay Compensation for Nonlinear, Adaptive, and PDE Systems. Systems and Control: Foundations and Applications, 2009, , .	0.3	603
5	Stochastic nonlinear stabilization "I: A backstepping design. Systems and Control Letters, 1997, 32, 143-150.	2.3	573
6	Time-varying feedback for regulation of normal-form nonlinear systems in prescribed finite time. Automatica, 2017, 83, 243-251.	5.0	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.	5.7	452
8	Output-feedback stochastic nonlinear stabilization. IEEE Transactions on Automatic Control, 1999, 44, 328-333.	5.7	410
9	Backstepping observers for a class of parabolic PDEs. Systems and Control Letters, 2005, 54, 613-625.	2.3	378
10	Adaptive nonlinear design with controller-identifier separation and swapping. IEEE Transactions on Automatic Control, 1995, 40, 426-440.	5.7	366
11	Input Delay Compensation for Forward Complete and Strict-Feedforward Nonlinear Systems. IEEE Transactions on Automatic Control, 2010, 55, 287-303.	5.7	336
12	Performance improvement and limitations in extremum seeking control. Systems and Control Letters, 2000, 39, 313-326.	2.3	324
13	Robust dynamic positioning of ships with disturbances under input saturation. Automatica, 2016, 73, 207-214.	5.0	319
14	Inverse optimal stabilization of a rigid spacecraft. IEEE Transactions on Automatic Control, 1999, 44, 1042-1049.	5.7	287
15	Prescribed-Time Consensus and Containment Control of Networked Multiagent Systems. IEEE Transactions on Cybernetics, 2019, 49, 1138-1147.	9.5	274
16	Inverse optimal design of input-to-state stabilizing nonlinear controllers. IEEE Transactions on Automatic Control, 1998, 43, 336-350.	5.7	265
17	Nash Equilibrium Seeking in Noncooperative Games. IEEE Transactions on Automatic Control, 2012, 57, 1192-1207.	5.7	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.	0.8	259
20	Lyapunov Stability of Linear Predictor Feedback for Time-Varying Input Delay. IEEE Transactions on Automatic Control, 2010, 55, 554-559.	5.7	259
21	Local Exponential $H^2$ Stabilization of a $2 \times 2$ Quasilinear Hyperbolic System Using Backstepping. SIAM Journal on Control and Optimization, 2013, 51, 2005-2035.	2.1	257
22	Battery State Estimation for a Single Particle Model With Electrolyte Dynamics. IEEE Transactions on Control Systems Technology, 2017, 25, 453-468.	5.2	229
23	Multivariable Newton-based extremum seeking. Automatica, 2012, 48, 1759-1767.	5.0	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.	5.7	220
25	Adaptive Boundary Control for Unstable Parabolic PDEs—Part I: Lyapunov Design. IEEE Transactions on Automatic Control, 2008, 53, 1575-1591.	5.7	215
26	Control of Homodirectional and General Heterodirectional Linear Coupled Hyperbolic PDEs. IEEE Transactions on Automatic Control, 2016, 61, 3301-3314.	5.7	213
27	Adaptive trajectory tracking despite unknown input delay and plant parameters. Automatica, 2009, 45, 2074-2081.	5.0	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.	5.7	210
29	Nonlinear design of adaptive controllers for linear systems. IEEE Transactions on Automatic Control, 1994, 39, 738-752.	5.7	209
30	Compensating actuator and sensor dynamics governed by diffusion PDEs. Systems and Control Letters, 2009, 58, 372-377.	2.3	205
31	Output-feedback stabilization of an unstable wave equation. Automatica, 2008, 44, 63-74.	5.0	204
32	Lyapunov tools for predictor feedbacks for delay systems: Inverse optimality and robustness to delay mismatch. Automatica, 2008, 44, 2930-2935.	5.0	203
33	Compensation of State-Dependent Input Delay for Nonlinear Systems. IEEE Transactions on Automatic Control, 2013, 58, 275-289.	5.7	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, .	1.6	192
35	Nonholonomic Source Seeking With Tuning of Angular Velocity. IEEE Transactions on Automatic Control, 2009, 54, 717-731.	5.7	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.	2.3	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.	5.0	182
38	Extremum seeking control for discrete-time systems. <i>IEEE Transactions on Automatic Control</i> , 2002, 47, 318-323.	5.7	179
39	Control of PDE-ODE cascades with Neumann interconnections. <i>Journal of the Franklin Institute</i> , 2010, 347, 284-314.	3.4	179
40	Backstepping boundary stabilization and state estimation of a 2 &#x00D7; 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.	5.7	167
42	Delay-Adaptive Predictor Feedback for Systems With Unknown Long Actuator Delay \$ \$. <i>IEEE Transactions on Automatic Control</i> , 2010, 55, 2106-2112.	5.7	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.	2.3	162
44	Optimizing bioreactors by extremum seeking. <i>International Journal of Adaptive Control and Signal Processing</i> , 1999, 13, 651-669.	4.1	160
45	Stochastic nonlinear stabilization â€” II: Inverse optimality. <i>Systems and Control Letters</i> , 1997, 32, 151-159.	2.3	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, .	1.6	154
47	On global stabilization of Burgersâ€™ equation by boundary control. <i>Systems and Control Letters</i> , 1999, 37, 123-141.	2.3	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.	5.7	147
49	On control design for PDEs with space-dependent diffusivity or time-dependent reactivity. <i>Automatica</i> , 2005, 41, 1601-1608.	5.0	146
50	Time-varying feedback for stabilization in prescribed finite time. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 618-633.	3.7	145
51	Adaptive boundary control for unstable parabolic PDEsâ€™Part II: Estimation-based designs. <i>Automatica</i> , 2007, 43, 1543-1556.	5.0	143
52	Extremum seeking for moderately unstable systems and for autonomous vehicle target tracking without position measurements. <i>Automatica</i> , 2007, 43, 1832-1839.	5.0	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.	2.1	138
54	Lyapunov Stability of Linear Predictor Feedback for Distributed Input Delays. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 655-660.	5.7	132

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55	Delay-Adaptive Control for Nonlinear Systems. IEEE Transactions on Automatic Control, 2014, 59, 1203-1218.	5.7	130
56	Boundary observer design for hyperbolic PDEs-ODE cascade systems. Automatica, 2016, 68, 75-86.	5.0	129
57	Transient-performance improvement with a new class of adaptive controllers. Systems and Control Letters, 1993, 21, 451-461.	2.3	127
58	PDE Boundary Control for Flexible Articulated Wings on a Robotic Aircraft. IEEE Transactions on Robotics, 2013, 29, 625-640.	10.3	126
59	Formation Flight Optimization Using Extremum Seeking Feedback. Journal of Guidance, Control, and Dynamics, 2003, 26, 132-142.	2.8	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.	2.3	124
61	An adaptive algorithm for control of combustion instability. Automatica, 2004, 40, 1965-1972.	5.0	121
62	Prescribed-Time Observers for Linear Systems in Observer Canonical Form. IEEE Transactions on Automatic Control, 2019, 64, 3905-3912.	5.7	121
63	Adaptive boundary control for unstable parabolic PDEs-Part III: Output feedback examples with swapping identifiers. Automatica, 2007, 43, 1557-1564.	5.0	119
64	Robustness of nonlinear predictor feedback laws to time- and state-dependent delay perturbations. Automatica, 2013, 49, 1576-1590.	5.0	119
65	Control of 1-D parabolic PDEs with Volterra nonlinearities, Part I: Design. Automatica, 2008, 44, 2778-2790.	5.0	118
66	A dynamic high-gain design for prescribed-time regulation of nonlinear systems. Automatica, 2020, 115, 108860.	5.0	116
67	Robust control of nonlinear systems with input unmodeled dynamics. IEEE Transactions on Automatic Control, 1996, 41, 913-920.	5.7	115
68	Lyapunov-Krasovskii functionals and application to input delay compensation for linear time-invariant systems. Automatica, 2012, 48, 1317-1323.	5.0	115
69	Feedback Linearizability and Explicit Integrator Forwarding Controllers for Classes of Feedforward Systems. IEEE Transactions on Automatic Control, 2004, 49, 1668-1682.	5.7	114
70	Compensation of Infinite-Dimensional Actuator and Sensor Dynamics. IEEE Control Systems, 2010, 30, 22-41.	0.8	113
71	Arbitrary Decay Rate for Euler-Bernoulli Beam by Backstepping Boundary Feedback. IEEE Transactions on Automatic Control, 2009, 54, 1134-1140.	5.7	112
72	Improved Synchronverters with Bounded Frequency and Voltage for Smart Grid Integration. IEEE Transactions on Smart Grid, 2018, 9, 786-796.	9.0	111

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73	Nonovershooting Control of Strict-Feedback Nonlinear Systems. IEEE Transactions on Automatic Control, 2006, 51, 1938-1943.	5.7	110
74	Extremum Seeking With Stochastic Perturbations. IEEE Transactions on Automatic Control, 2009, 54, 580-585.	5.7	109
75	Adaptive-gain observer-based stabilization of stochastic strict-feedback systems with sensor uncertainty. Automatica, 2020, 120, 109112.	5.0	109
76	Stability enhancement by boundary control in the Kuramoto-Sivashinsky equation. Nonlinear Analysis: Theory, Methods & Applications, 2001, 43, 485-507.	1.1	107
77	Control of an unstable reaction-diffusion PDE with long input delay. Systems and Control Letters, 2009, 58, 773-782.	2.3	107
78	Power Optimization and Control in Wind Energy Conversion Systems Using Extremum Seeking. IEEE Transactions on Control Systems Technology, 2014, 22, 1684-1695.	5.2	107
79	Stabilization of linear strict-feedback systems with delayed integrators. Automatica, 2010, 46, 1902-1910.	5.0	104
80	Stabilization of coupled linear heterodirectional hyperbolic PDE-ODE systems. Automatica, 2018, 87, 281-289.	5.0	104
81	Extremum seeking for limit cycle minimization. IEEE Transactions on Automatic Control, 2000, 45, 2432-2436.	5.7	102
82	Adaptive control of Burgers' equation with unknown viscosity. International Journal of Adaptive Control and Signal Processing, 2001, 15, 745-766.	4.1	102
83	Stochastic source seeking for nonholonomic unicycle. Automatica, 2010, 46, 1443-1453.	5.0	102
84	Adaptive output-feedback stabilization of non-local hyperbolic PDEs. Automatica, 2014, 50, 2692-2699.	5.0	102
85	Leader-Enabled Deployment Onto Planar Curves: A PDE-Based Approach. IEEE Transactions on Automatic Control, 2011, 56, 1791-1806.	5.7	100
86	Extremum Seeking for Static Maps With Delays. IEEE Transactions on Automatic Control, 2017, 62, 1911-1926.	5.7	100
87	Control of wing rock motion using adaptive feedback linearization. Journal of Guidance, Control, and Dynamics, 1996, 19, 905-912.	2.8	99
88	Sampled-data boundary feedback control of 1-D parabolic PDEs. Automatica, 2018, 87, 226-237.	5.0	98
89	Delay-adaptive feedback for linear feedforward systems. Systems and Control Letters, 2010, 59, 277-283.	2.3	97
90	Minimum-Seeking for CLFs: Universal Semiglobally Stabilizing Feedback Under Unknown Control Directions. IEEE Transactions on Automatic Control, 2013, 58, 1107-1122.	5.7	97

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91	Optimal design of adaptive tracking controllers for non-linear systems. <i>Automatica</i> , 1997, 33, 1459-1473.	5.0	96
92	Stochastic Averaging in Continuous Time and Its Applications to Extremum Seeking. <i>IEEE Transactions on Automatic Control</i> , 2010, 55, 2235-2250.	5.7	95
93	Stabilization of an ODE's Schrödinger Cascade. <i>Systems and Control Letters</i> , 2013, 62, 503-510.	2.3	93
94	Traffic congestion control for Aw's Rasclé's Zhang model. <i>Automatica</i> , 2019, 100, 38-51.	5.0	92
95	Stochastic Nonlinear Prescribed-Time Stabilization and Inverse Optimality. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 1179-1193.	5.7	92
96	ISS with Respect to Boundary Disturbances for 1-D Parabolic PDEs. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 3712-3724.	5.7	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.	5.7	90
98	Extremum seeking with bounded update rates. <i>Systems and Control Letters</i> , 2014, 63, 25-31.	2.3	90
99	Adaptive control of PDEs. <i>Annual Reviews in Control</i> , 2008, 32, 149-160.	7.9	89
100	On Compensating Long Actuator Delays in Nonlinear Control. <i>IEEE Transactions on Automatic Control</i> , 2008, 53, 1684-1688.	5.7	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.	2.1	88
102	Output-feedback adaptive control of a wave PDE with boundary anti-damping. <i>Automatica</i> , 2014, 50, 1407-1415.	5.0	88
103	Prescribed-time output feedback for linear systems in controllable canonical form. <i>Automatica</i> , 2019, 107, 77-85.	5.0	88
104	Backstepping boundary control of Burgers's equation with actuator dynamics. <i>Systems and Control Letters</i> , 2000, 41, 291-303.	2.3	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.	2.6	85
106	Adaptive nonlinear output-feedback schemes with Marino-Tomei controller. <i>IEEE Transactions on Automatic Control</i> , 1996, 41, 274-280.	5.7	84
107	Control of mixing by boundary feedback in 2D channel flow. <i>Automatica</i> , 2003, 39, 1597-1606.	5.0	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.	5.2	84

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109	Nonlinear stabilization through wave PDE dynamics with a moving uncontrolled boundary. Automatica, 2016, 68, 27-38.	5.0	84
110	Backstepping control of chemical tubular reactors. Computers and Chemical Engineering, 2002, 26, 1077-1085.	3.8	82
111	Boundary Controllers and Observers for the Linearized Schrödinger Equation. SIAM Journal on Control and Optimization, 2011, 49, 1479-1497.	2.1	82
112	3-D Source Seeking for Underactuated Vehicles Without Position Measurement. IEEE Transactions on Robotics, 2009, 25, 117-129.	10.3	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.	5.7	79
114	Multi-Agent Deployment in 3-D via PDE Control. IEEE Transactions on Automatic Control, 2015, 60, 891-906.	5.7	79
115	Robustness of the tuning functions adaptive backstepping design for linear systems. IEEE Transactions on Automatic Control, 1998, 43, 431-437.	5.7	78
116	Backstepping-Forwarding Control and Observation for Hyperbolic PDEs With Fredholm Integrals. IEEE Transactions on Automatic Control, 2015, 60, 2145-2160.	5.7	78
117	Dynamic positioning of ships with unknown parameters and disturbances. Control Engineering Practice, 2018, 76, 22-30.	5.5	78
118	Delay-robustness of linear predictor feedback without restriction on delay rate. Automatica, 2013, 49, 1761-1767.	5.0	77
119	Stabilization of nonlinear delay systems using approximate predictors and high-gain observers. Automatica, 2013, 49, 3623-3631.	5.0	75
120	Finite-time multi-agent deployment: A nonlinear PDE motion planning approach. Automatica, 2011, 47, 2534-2542.	5.0	74
121	Adaptive Control With Exponential Regulation in the Absence of Persistent Excitation. IEEE Transactions on Automatic Control, 2017, 62, 2589-2596.	5.7	74
122	Robustness of Adaptive Nonlinear Control to Bounded Uncertainties. Automatica, 1998, 34, 1227-1230.	5.0	73
123	Boundary Control of Coupled Reaction-Advection-Diffusion Systems With Spatially-Varying Coefficients. IEEE Transactions on Automatic Control, 2017, 62, 2026-2033.	5.7	73
124	Compensation of Wave Actuator Dynamics for Nonlinear Systems. IEEE Transactions on Automatic Control, 2014, 59, 1555-1570.	5.7	72
125	Input-to-State Stability for PDEs. Communications and Control Engineering, 2019, , .	1.6	71
126	Stochastic Averaging and Stochastic Extremum Seeking. Communications and Control Engineering, 2012, , .	1.6	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.	2.1	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.	5.7	69
129	Predictor-Feedback Stabilization of Multi-Input Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 516-531.	5.7	66
130	Self-tuning control of a nonlinear model of combustion instabilities. IEEE Transactions on Control Systems Technology, 1999, 7, 424-436.	5.2	65
131	Burgers' equation with nonlinear boundary feedback:H1stability, well-posedness and simulation. Mathematical Problems in Engineering, 2000, 6, 189-200.	1.1	65
132	Marcum -functions and explicit kernels for stabilization of linear hyperbolic systems with constant coefficients. Systems and Control Letters, 2014, 68, 33-42.	2.3	65
133	Adaptive backstepping control of uncertain linear systems under unknown actuator delay. Automatica, 2015, 54, 256-265.	5.0	65
134	Nonlinear control of mine ventilation networks. Systems and Control Letters, 2003, 49, 239-254.	2.3	64
135	Adaptive sinusoidal disturbance cancellation for unknown LTI systems despite input delay. Automatica, 2015, 58, 131-138.	5.0	64
136	Control Lyapunov functions for adaptive nonlinear stabilization. Systems and Control Letters, 1995, 26, 17-23.	2.3	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.	5.7	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.	5.7	62
140	Exact predictor feedbacks for multi-input LTI systems with distinct input delays. Automatica, 2016, 71, 143-150.	5.0	62
141	Source Seeking for Two Nonholonomic Models of Fish Locomotion. IEEE Transactions on Robotics, 2009, 25, 1166-1176.	10.3	61
142	Mean-Nonovershooting Control of Stochastic Nonlinear Systems. IEEE Transactions on Automatic Control, 2021, 66, 5756-5771.	5.7	61
143	Stability enhancement by boundary control in 2-D channel flow. IEEE Transactions on Automatic Control, 2001, 46, 1696-1711.	5.7	60
144	Power Optimization for Photovoltaic Microconverters Using Multivariable Newton-Based Extremum Seeking. IEEE Transactions on Control Systems Technology, 2014, 22, 2141-2149.	5.2	60

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145	Flow Control by Feedback. Communications and Control Engineering, 2003, , .	1.6	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.	5.7	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.	5.7	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.	1.3	58
149	Boundary Control of the Linearized Ginzburg-Landau Model of Vortex Shedding. SIAM Journal on Control and Optimization, 2005, 43, 1953-1971.	2.1	57
150	Control of 1D parabolic PDEs with Volterra nonlinearities, Part II: Analysis. Automatica, 2008, 44, 2791-2803.	5.0	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.	2.1	56
152	Stabilization of Reaction Diffusion Equations With State Delay Using Boundary Control Input. IEEE Transactions on Automatic Control, 2016, 61, 4041-4047.	5.7	56
153	Prescribed-Time Output-Feedback Control of Stochastic Nonlinear Systems. IEEE Transactions on Automatic Control, 2023, 68, 1431-1446.	5.7	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.	2.3	55
156	Stabilization of a solid propellant rocket instability by state feedback. International Journal of Robust and Nonlinear Control, 2003, 13, 483-495.	3.7	54
157	Iterative learning control based on extremum seeking. Automatica, 2016, 66, 238-245.	5.0	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.	2.1	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.	3.7	52
161	Quantized-Input Control Lyapunov Approach for Permanent Magnet Synchronous Motor Drives. IEEE Transactions on Control Systems Technology, 2013, 21, 1784-1794.	5.2	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.	3.7	52

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163	Predictor Feedback for Delay Systems: Implementations and Approximations. Systems and Control: Foundations and Applications, 2017, , .	0.3	51
164	Stochastic Adaptive Nonlinear Control With Filterless Least Squares. IEEE Transactions on Automatic Control, 2021, 66, 3893-3905.	5.7	51
165	Event-triggered boundary control of constant-parameter reactionâ€“diffusion PDEs: A small-gain approach. Automatica, 2021, 128, 109562.	5.0	50
166	State derivative feedback for adaptive cancellation of unmatched disturbances in unknown strict-feedback LTI systems. Automatica, 2014, 50, 2539-2545.	5.0	49
167	Adaptive Output Feedback Control for Uncertain Linear Time-Delay Systems. IEEE Transactions on Automatic Control, 2017, 62, 545-560.	5.7	49
168	Boundary Observer for Output-Feedback Stabilization of Thermal-Fluid Convection Loop. IEEE Transactions on Control Systems Technology, 2010, 18, 789-797.	5.2	48
169	Stochastic Nash Equilibrium Seeking for Games with General Nonlinear Payoffs. SIAM Journal on Control and Optimization, 2011, 49, 1659-1679.	2.1	48
170	Adaptive finite time coordinated consensus for high-order multi-agent systems: Adjustable fraction power feedback approach. Information Sciences, 2016, 372, 392-406.	6.9	48
171	Backstepping in Infinite Dimension for a Class of Parabolic Distributed Parameter Systems. Mathematics of Control, Signals, and Systems, 2003, 16, 44-75.	2.3	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.	5.0	47
174	Stability of predictor-based feedback for nonlinear systems with distributed input delay. Automatica, 2016, 70, 195-203.	5.0	46
175	Boundary Exponential Stabilization of 1-Dimensional Inhomogeneous Quasi-Linear Hyperbolic Systems. SIAM Journal on Control and Optimization, 2019, 57, 963-998.	2.1	46
176	Optimal mixing enhancement in 3-D pipe flow. IEEE Transactions on Control Systems Technology, 2005, 13, 27-41.	5.2	45
177	Nonlinear Stabilization of Shock-Like Unstable Equilibria in the Viscous Burgers PDE. IEEE Transactions on Automatic Control, 2008, 53, 1678-1683.	5.7	45
178	Laser pulse shaping via extremum seeking. Control Engineering Practice, 2012, 20, 674-683.	5.5	45
179	Global stabilisation of nonlinear delay systems with a compact absorbing set. International Journal of Control, 2014, 87, 1010-1027.	1.9	44
180	Lean backstepping design for a jet engine compressor model. , 0, , .		43

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181	Stabilization of linearized 2D magnetohydrodynamic channel flow by backstepping boundary control. <i>Systems and Control Letters</i> , 2008, 57, 805-812.	2.3	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.	2.3	43
184	Adaptive rejection of harmonic disturbance anticollocated with control in 1D wave equation. <i>Automatica</i> , 2017, 79, 17-26.	5.0	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.	2.3	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.	5.7	43
187	Axial Vibration Suppression in a Partial Differential Equation Model of Ascending Mining Cable Elevator. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018, 140, .	1.6	43
188	Invariant manifolds and asymptotic properties of adaptive nonlinear stabilizers. <i>IEEE Transactions on Automatic Control</i> , 1996, 41, 817-829.	5.7	42
189	Control of Ripple Eliminators to Improve the Power Quality of DC Systems and Reduce the Usage of Electrolytic Capacitors. <i>IEEE Access</i> , 2016, 4, 2177-2187.	4.2	42
190	Boundary Stabilization of Wave Equation With Velocity Recirculation. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 4760-4767.	5.7	42
191	Robust adaptive prescribed-time stabilization via output feedback for uncertain nonlinear strict-feedback-like systems. <i>European Journal of Control</i> , 2020, 55, 14-23.	2.6	42
192	Adaptive Backstepping with Parameter Projection: Robustness and Asymptotic Performance. <i>Automatica</i> , 1998, 34, 429-435.	5.0	41
193	Feedback attenuation and adaptive cancellation of blade vortex interaction on a helicopter blade element. <i>IEEE Transactions on Control Systems Technology</i> , 1999, 7, 596-605.	5.2	41
194	Speed regulation in steering-based source seeking. <i>Automatica</i> , 2010, 46, 452-459.	5.0	41
195	Adaptive Observer for a Class of Parabolic PDEs. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 3083-3090.	5.7	41
196	Exponential regulation of the anti-collocatedly disturbed cage in a wave PDE-modeled ascending cable elevator. <i>Automatica</i> , 2018, 95, 122-136.	5.0	41
197	Feedback linearization based predictor for time delay control of a high-DOF robot manipulator. <i>Automatica</i> , 2019, 108, 108485.	5.0	41
198	Output Feedback Boundary Control of a Heat PDE Sandwiched Between Two ODEs. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 4653-4660.	5.7	41

#	ARTICLE	IF	CITATIONS
199	Compensating the distributed effect of a wave PDE in the actuation or sensing path of MIMO LTI systems. <i>Systems and Control Letters</i> , 2010, 59, 713-719.	2.3	40
200	Nonlinear Control of the Viscous Burgers Equation: Trajectory Generation, Tracking, and Observer Design. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2009, 131, .	1.6	39
201	Finite-horizon LQ control for unknown discrete-time linear systems via extremum seeking. <i>European Journal of Control</i> , 2013, 19, 399-407.	2.6	39
202	PDE Boundary Control of Multi-Input LTI Systems With Distinct and Uncertain Input Delays. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 4270-4277.	5.7	39
203	Adaptive error feedback regulation problem for 1D wave equation. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 4309-4329.	3.7	39
204	Passivity and parametric robustness of a new class of adaptive systems. <i>Automatica</i> , 1994, 30, 1703-1716.	5.0	38
205	On global output feedback tracking control of robot manipulators. , 0, , .		38
206	Burn Control in Fusion Reactors via Nonlinear Stabilization Techniques. <i>Fusion Science and Technology</i> , 2003, 43, 18-37.	1.1	38
207	Adaptive PDE Observer for Battery SOC/SOH Estimation. , 2012, , .		38
208	Distributed adaptive consensus and synchronization in complex networks of dynamical systems. <i>Automatica</i> , 2018, 91, 233-243.	5.0	38
209	Adaptive boundary control of constant-parameter reactionâ€“diffusion PDEs using regulation-triggered finite-time identification. <i>Automatica</i> , 2019, 103, 166-179.	5.0	38
210	Prescribedâ€“time estimation and output regulation of the linearized SchrÃ¶dinger equation by backstepping. <i>European Journal of Control</i> , 2020, 55, 3-13.	2.6	38
211	Adaptive outputâ€“feedback stabilization in prescribed time for nonlinear systems with unknown parameters coupled with unmeasured states. <i>International Journal of Adaptive Control and Signal Processing</i> , 2021, 35, 184-202.	4.1	38
212	Nonlinear stabilization of a thermal convection loop by state feedback. <i>Automatica</i> , 2001, 37, 2033-2040.	5.0	37
213	Delay-adaptive full-state predictor feedback for systems with unknown long actuator delay. , 2009, , .		37
214	Adaptive wave cancelation by acceleration feedback for ramp-connected air cushion-actuated surface effect ships. <i>Automatica</i> , 2013, 49, 2591-2602.	5.0	37
215	Input-to-State Stability and Inverse Optimality of Linear Time-Varying-Delay Predictor Feedbacks. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 233-240.	5.7	37
216	Control of a $2 \times 2$ coupled linear hyperbolic system sandwiched between 2 ODEs. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 3987-4016.	3.7	37

#	ARTICLE	IF	CITATIONS
217	Gradient extremum seeking for static maps with actuation dynamics governed by diffusion PDEs. <i>Automatica</i> , 2018, 95, 197-206.	5.0	37
218	Adaptive control of an anti-stable wave PDE. , 2009, , .		36
219	Compensation of state-dependent state delay for nonlinear systems. <i>Systems and Control Letters</i> , 2012, 61, 849-856.	2.3	36
220	Newton-based stochastic extremum seeking. <i>Automatica</i> , 2014, 50, 952-961.	5.0	36
221	Backstepping stabilization of the linearized Saint-Venant–Exner model. <i>Automatica</i> , 2017, 76, 345-354.	5.0	36
222	Predictor-based tracking for neuromuscular electrical stimulation. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 2391-2419.	3.7	35
223	Extremum seeking for dynamic maps using Lie brackets and singular perturbations. <i>Automatica</i> , 2017, 83, 91-99.	5.0	35
224	Adaptive output-feedback control of torsional vibration in off-shore rotary oil drilling systems. <i>Automatica</i> , 2020, 111, 108640.	5.0	35
225	Extremum Seeking Based on Atmospheric Turbulence for Aircraft Endurance. <i>Journal of Guidance, Control, and Dynamics</i> , 2011, 34, 1876-1885.	2.8	34
226	Non-C2 Lie Bracket Averaging for Nonsmooth Extremum Seekers. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2014, 136, .	1.6	34
227	Multivariable maximum power point tracking for photovoltaic micro-converters using extremum seeking. <i>Control Engineering Practice</i> , 2015, 35, 83-91.	5.5	34
228	Model-Free Stabilization by Extremum Seeking. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2017, , .	0.5	34
229	Balancing and suppression of oscillations of tension and cage in dual-cable mining elevators. <i>Automatica</i> , 2018, 98, 223-238.	5.0	34
230	Output Control Algorithm for Unstable Plant with Input Delay and Cancellation of Unknown Biased Harmonic Disturbance. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2010, 43, 39-44.	0.4	33
231	Global Stabilization of Feedforward Systems Under Perturbations in Sampling Schedule. <i>SIAM Journal on Control and Optimization</i> , 2012, 50, 1389-1412.	2.1	33
232	Control of Thermal Power Plant Combustion Distribution Using Extremum Seeking. <i>IEEE Transactions on Control Systems Technology</i> , 2017, 25, 1670-1682.	5.2	33
233	Collectively Rotating Formation and Containment Deployment of Multiagent Systems: A Polar Coordinate-Based Finite Time Approach. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 2161-2172.	9.5	33
234	Adaptive global stabilization of uncertain multi-input linear time-delay systems by PDE full-state feedback. <i>Automatica</i> , 2018, 96, 270-279.	5.0	33

#	ARTICLE	IF	CITATIONS
235	Explicit integral operator feedback for local stabilization of nonlinear thermal convection loop PDEs. <i>Systems and Control Letters</i> , 2006, 55, 624-632.	2.3	32
236	Backstepping Boundary Controllers and Observers for the Slender Timoshenko Beam: Part II--Stability and Simulations. , 2006, , .		32
237	On using least-squares updates without regressor filtering in identification and adaptive control of nonlinear systems. <i>Automatica</i> , 2009, 45, 731-735.	5.0	32
238	Compensation of actuator dynamics governed by quasilinear hyperbolic PDEs. <i>Automatica</i> , 2018, 92, 29-40.	5.0	32
239	Observation and stabilization of LTV systems with time-varying measurement delay. <i>Automatica</i> , 2019, 103, 573-579.	5.0	32
240	Stability of partial difference equations governing control gains in infinite-dimensional backstepping. <i>Systems and Control Letters</i> , 2004, 51, 151-164.	2.3	31
241	Auto-tuning of PID controllers via extremum seeking. , 0, , .		31
242	Modular approach to adaptive nonlinear stabilization. <i>Automatica</i> , 1996, 32, 625-629.	5.0	30
243	Magnetohydrodynamic state estimation with boundary sensors. <i>Automatica</i> , 2008, 44, 2517-2527.	5.0	30
244	Adaptive boundary observer for parabolic PDEs subject to domain and boundary parameter uncertainties. <i>Automatica</i> , 2016, 72, 115-122.	5.0	30
245	Stochastic Averaging in Discrete Time and its Applications to Extremum Seeking. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 90-102.	5.7	30
246	Exponential Stability Analysis of Sampled-Data ODE--PDE Systems and Application to Observer Design. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 3091-3098.	5.7	30
247	Control of Transport PDE/Nonlinear ODE Cascades With State-Dependent Propagation Speed. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 6278-6293.	5.7	30
248	Prescribed-time $H^1$ -stabilization of reaction-diffusion equations by means of output feedback. , 2019, , .		30
249	Robust predictor feedback for discrete-time systems with input delays. <i>International Journal of Control</i> , 2013, 86, 1652-1663.	1.9	29
250	Adaptive stabilization of LTI systems with distributed input delay. <i>International Journal of Adaptive Control and Signal Processing</i> , 2013, 27, 46-65.	4.1	29
251	Multivariable adaptive control of instabilities arising in jet engines. <i>Control Engineering Practice</i> , 2006, 14, 833-842.	5.5	28
252	Source seeking with a nonholonomic unicycle without position measurements and with tuning of angular velocity part I: Stability analysis. , 2007, , .		28



#	ARTICLE	IF	CITATIONS
253	MHD channel flow control in 2D: Mixing enhancement by boundary feedback. <i>Automatica</i> , 2008, 44, 2498-2507.	5.0	28
254	Nonlinear control under delays that depend on delayed states. <i>European Journal of Control</i> , 2013, 19, 389-398.	2.6	28
255	Stability of an interconnected system of eulerâbernoulli beam and heat equation with boundary coupling. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2015, 21, 1029-1052.	1.3	28
256	Estimation of boundary parameters in general heterodirectional linear hyperbolic systems. <i>Automatica</i> , 2017, 79, 185-197.	5.0	28
257	Delay-compensated control of sandwiched ODEâPDEâODE hyperbolic systems for oil drilling and disaster relief. <i>Automatica</i> , 2020, 120, 109131.	5.0	28
258	Slope seeking: a generalization of extremum seeking. <i>International Journal of Adaptive Control and Signal Processing</i> , 2004, 18, 1-22.	4.1	27
259	Output Feedback Boundary Control of a GinzburgâLandau Model of Vortex Shedding. <i>IEEE Transactions on Automatic Control</i> , 2007, 52, 742-748.	5.7	27
260	Boundary Feedback Stabilization of a Class of Coupled Hyperbolic Equations With Nonlocal Terms. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 2633-2640.	5.7	27
261	Input-to-state stability and inverse optimality of predictor feedback for multi-input linear systems. <i>Automatica</i> , 2019, 103, 549-557.	5.0	27
262	Adaptive event-triggered PDE control for load-moving cable systems. <i>Automatica</i> , 2021, 129, 109637.	5.0	27
263	A Simple HCCI Engine Model for Control. , 2006, , .		27
264	A Closed-Form Feedback Controller for Stabilization of Linearized Navier-Stokes Equations: The 2D Poiseuille Flow. , 0, , .		26
265	Adaptive identification of two unstable PDEs with boundary sensing and actuation. <i>International Journal of Adaptive Control and Signal Processing</i> , 2009, 23, 131-149.	4.1	26
266	Multiagent Deployment Over a Source. <i>IEEE Transactions on Control Systems Technology</i> , 2011, , .	5.2	26
267	Stability of integral delay equations and stabilization of age-structured models. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2017, 23, 1667-1714.	1.3	26
268	Bilateral Boundary Control of Moving Shockwave in LWR Model of Congested Traffic. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 1429-1436.	5.7	26
269	PDE Traffic Observer Validated on Freeway Data. <i>IEEE Transactions on Control Systems Technology</i> , 2021, 29, 1048-1060.	5.2	26
270	Event-Triggered Output-Feedback Backstepping Control of Sandwich Hyperbolic PDE Systems. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 220-235.	5.7	26



#	ARTICLE	IF	CITATIONS
271	Decentralized and adaptive control of nonlinear fluid flow networks. International Journal of Control, 2006, 79, 1495-1504.	1.9	25
272	A simple HCCI engine model for control. , 2006, , .		25
273	Modeling, Control, and Stability Analysis of Heterogeneous Thermostatically Controlled Load Populations Using Partial Differential Equations. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	25
274	Compensation of time-varying input delay for discrete-time nonlinear systems. International Journal of Robust and Nonlinear Control, 2016, 26, 1755-1776.	3.7	25
275	Output-Feedback Control of an Extended Class of Sandwiched Hyperbolic PDE-ODE Systems. IEEE Transactions on Automatic Control, 2021, 66, 2588-2603.	5.7	25
276	Control of formation flight via extremum seeking. , 2002, , .		24
277	Output-Feedback Adaptive Control for Parabolic PDEs with Spatially Varying Coefficients. , 2006, , .		24
278	Bounded droop controller for parallel operation of inverters. Automatica, 2015, 53, 320-328.	5.0	24
279	Global Stabilization of a Nonlinear Ginzburg-Landau Model of Vortex Shedding. European Journal of Control, 2004, 10, 105-116.	2.6	23
280	Backstepping stabilization of an underactuated 3 &#x00D7; 3 linear hyperbolic system of fluid flow equations. , 2012, , .		23
281	Distributed predictor-based stabilization of continuous interconnected systems with input delays. Automatica, 2018, 91, 69-78.	5.0	23
282	Small-Gain-Based Boundary Feedback Design for Global Exponential Stabilization of One-Dimensional Semilinear Parabolic PDEs. SIAM Journal on Control and Optimization, 2019, 57, 2016-2036.	2.1	23
283	Multivariable Extremum Seeking for PDE Dynamic Systems. IEEE Transactions on Automatic Control, 2020, 65, 4949-4956.	5.7	23
284	Nonsmooth Extremum Seeking Control With User-Prescribed Fixed-Time Convergence. IEEE Transactions on Automatic Control, 2021, 66, 6156-6163.	5.7	23
285	Explicit state and output feedback boundary controllers for partial differential equations. Journal of Automatic Control, 2003, 13, 1-9.	1.0	23
286	Backstepping boundary control of Navier-Stokes channel flow: a 3D extension. , 2006, , .		22
287	Motion Planning and Tracking for Tip Displacement and Deflection Angle for Flexible Beams. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2009, 131, .	1.6	22
288	Multi-agent deployment in the plane using stochastic extremum seeking. , 2010, , .		22

#	ARTICLE	IF	CITATIONS
289	Source Seeking With Very Slow or Drifting Sensors. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	1.6	22
290	Collocated output-feedback stabilization of a 2 &#x00D7; 2 quasilinear hyperbolic system using backstepping. , 2012, , .		22
291	Stabilization of reactionâ€“diffusions PDE with delayed distributed actuation. Systems and Control Letters, 2019, 133, 104558.	2.3	22
292	Adaptive Control by Regulation-Triggered Batch Least Squares. IEEE Transactions on Automatic Control, 2020, 65, 2842-2855.	5.7	22
293	Arctic sea ice state estimation from thermodynamic PDE model. Automatica, 2020, 112, 108713.	5.0	22
294	Delay compensated control of the Stefan problem and robustness to delay mismatch. International Journal of Robust and Nonlinear Control, 2020, 30, 2304-2334.	3.7	22
295	Observer-based schemes for adaptive nonlinear state-feedback control. International Journal of Control, 1994, 59, 1373-1381.	1.9	21
296	Local exponential H&lt;sup&gt;2&lt;/sup&gt; stabilization of a 2 &#x00D7; 2 quasilinear hyperbolic system using backstepping. , 2011, , .		21
297	Sliding mode control to the stabilization of a linear 2&#x00D7;2 hyperbolic system with boundary input disturbance. , 2014, , .		21
298	A Control Lyapunov Approach to Finite Control Set Model Predictive Control for Permanent Magnet Synchronous Motors. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	21
299	Sampled-Data Stabilization of Nonlinear Delay Systems with a Compact Absorbing Set. SIAM Journal on Control and Optimization, 2016, 54, 790-818.	2.1	21
300	Single-boundary control of the two-phase Stefan system. Systems and Control Letters, 2020, 135, 104573.	2.3	21
301	Source Seeking With Nonholonomic Unicycle Without Position Measurement--Part I: Tuning of Forward Velocity. , 2006, , .		20
302	ADAPTIVE CONTROL OF PDES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 20-31.	0.4	20
303	Compensation of infinite-dimensional input dynamics. Annual Reviews in Control, 2010, 34, 233-244.	7.9	20
304	PDE model for thermal dynamics of a large Li-ion battery pack. , 2011, , .		20
305	Power optimization for photovoltaic micro-converters using multivariable gradient-based extremum-seeking. , 2012, , .		20
306	Adaptive Cancellation of Matched Unknown Sinusoidal Disturbances for LTI Systems by State Derivative Feedback. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, .	1.6	20

#	ARTICLE	IF	CITATIONS
307	Extremum Seeking for Traffic Congestion Control With a Downstream Bottleneck. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2021, 143, .	1.6	20
308	Averaging analysis of periodically forced fluid networks. <i>Automatica</i> , 2005, 41, 129-135.	5.0	19
309	Singularly Perturbed Lie Bracket Approximation. <i>IEEE Transactions on Automatic Control</i> , 2015, 60, 3287-3292.	5.7	19
310	Adaptive predictor control for stabilizing pressure in a managed pressure drilling system under time-delay. <i>Journal of Process Control</i> , 2016, 40, 106-118.	3.3	19
311	Adaptive output feedback for hyperbolic PDE pairs with non-local coupling. , 2017, , .		19
312	Time-Inconsistent Mean-Field Stochastic LQ Problem: Open-Loop Time-Consistent Control. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 2771-2786.	5.7	19
313	Boundary control and estimation of reactionâ€™diffusion equations on the sphere under revolution symmetry conditions. <i>International Journal of Control</i> , 2019, 92, 2-11.	1.9	19
314	Predictor Feedback for Uncertain Linear Systems With Distributed Input Delays. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 5344-5351.	5.7	19
315	A Closed-Form Full-State Feedback Controller for Stabilization of 3D Magnetohydrodynamic Channel Flow. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2009, 131, .	1.6	18
316	Adaptive output feedback for oil drilling stick-slip instability modeled by wave PDE with anti-damped dynamic boundary. , 2014, , .		18
317	Explicit output-feedback boundary control of reaction-diffusion PDEs on arbitrary-dimensional balls. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2016, 22, 1078-1096.	1.3	18
318	Adaptive observer design with heat PDE sensor. <i>Automatica</i> , 2017, 82, 93-100.	5.0	18
319	Compensation of input delay that depends on delayed input. <i>Automatica</i> , 2017, 85, 362-373.	5.0	18
320	On the applicability of PID control to nonlinear second-order systems. <i>National Science Review</i> , 2017, 4, 668-668.	9.5	18
321	Multivariable Extremum Seeking for Joint-Space Trajectory Optimization of a High-Degrees-of-Freedom Robot. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018, 140, .	1.6	18
322	Control and State Estimation of the One-Phase Stefan Problem via Backstepping Design. <i>IEEE Transactions on Automatic Control</i> , 2018, , 1-1.	5.7	18
323	A Closed-Form Observer for the Channel Flow Navier-Stokes System. , 0, , .		17
324	Continuous-Time Stochastic Averaging on the Infinite Interval for Locally Lipschitz Systems. <i>SIAM Journal on Control and Optimization</i> , 2010, 48, 3589-3622.	2.1	17

#	ARTICLE	IF	CITATIONS
325	Dead-Time Compensation for Wave/String PDEs. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	1.6	17
326	Stochastic source seeking with forward and angular velocity regulation. Automatica, 2017, 83, 378-386.	5.0	17
327	Small-gain stability analysis of certain hyperbolic-parabolic PDE loops. Systems and Control Letters, 2018, 118, 52-61.	2.3	17
328	State Estimation for Lithium-Ion Batteries With Phase Transition Materials Via Boundary Observers. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2021, 143, .	1.6	17
329	Control of a non-linear PDE system arising from non-burning tokamak plasma transport dynamics. International Journal of Control, 2003, 76, 1116-1124.	1.9	16
330	Control of Strings and Flexible Beams by Backstepping Boundary Control. Proceedings of the American Control Conference, 2007, , .	0.0	16
331	Beam matching adaptive control via extremum seeking. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 799-815.	1.6	16
332	Multivalued Stability Map of an Injection-Locked Semiconductor Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1501408-1501408.	2.9	16
333	A Single Forward-Velocity Control Signal for Stochastic Source Seeking With Multiple Nonholonomic Vehicles. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	1.6	16
334	Extremum Seeking Control. , 2014, , 1-5.		16
335	Modeling and Boundary Control of a Hanging Cable Immersed in Water. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	1.6	16
336	Adaptive Observer for a Class of Output-Delayed Systems with Parameter Uncertainty - A PDE Based Approach. IFAC-PapersOnLine, 2016, 49, 158-163.	0.9	16
337	Maximizing Map Sensitivity and Higher Derivatives Via Extremum Seeking. IEEE Transactions on Automatic Control, 2018, 63, 3232-3247.	5.7	16
338	Stabilization of stochastic nonlinear systems driven by noise of unknown covariance. , 1998, , .		15
339	Active control of jet mixing. IET Control Theory and Applications, 2004, 151, 763-772.	1.7	15
340	Lyapunov Adaptive Boundary Control for Parabolic PDEs with Spatially Varying Coefficients. , 2006, , .		15
341	3D nonholonomic source seeking without position measurement. , 2008, , .		15
342	Power optimization and control in wind energy conversion systems using extremum seeking. , 2013, , .		15

#	ARTICLE	IF	CITATIONS
343	Constrained extremum seeking in 1 dimension. , 2014, , .		15
344	Extremum Seeking-Based Optimization of High Voltage Converter Modulator Rise-Time. IEEE Transactions on Control Systems Technology, 2014, 22, 34-43.	5.2	15
345	State-of-charge estimation for lithium-ion batteries via a coupled thermal-electrochemical model. , 2015, , .		15
346	Bilateral boundary control of one-dimensional first- and second-order PDEs using infinite-dimensional backstepping. , 2016, , .		15
347	Batch-to-Batch Finite-Horizon LQ Control for Unknown Discrete-Time Linear Systems Via Stochastic Extremum Seeking. IEEE Transactions on Automatic Control, 2017, 62, 4116-4123.	5.7	15
348	Sampled boundary observer for strict-feedback nonlinear ODE systems with parabolic PDE sensor. Automatica, 2019, 101, 439-449.	5.0	15
349	Towards implementation of PDE control for Stefan system: Input-to-state stability and sampled-data design. Automatica, 2021, 127, 109538.	5.0	15
350	Sensor delay-compensated prescribed-time observer for LTI systems. Automatica, 2022, 135, 110005.	5.0	15
351	Delay-compensated event-triggered boundary control of hyperbolic PDEs for deep-sea construction. Automatica, 2022, 138, 110137.	5.0	15
352	Lyapunov tools for predictor feedbacks for delay systems: Inverse optimality and robustness to delay mismatch. , 2008, , .		14
353	Rapidly convergent leader-enabled multi-agent deployment into planar curves. , 2009, , .		14
354	Adaptive output-feedback for wave PDE with anti-damping - application to surface-based control of oil drilling stick-slip instability. , 2014, , .		14
355	State-dependent input delay-compensated Bang-Bang control: Application to 3D printing based on screw-extruder. , 2015, , .		14
356	Time- and State-Dependent Input Delay-Compensated Bang-Bang Control of a Screw Extruder for 3D Printing. International Journal of Robust and Nonlinear Control, 2017, 27, 3727-3757.	3.7	14
357	Adaptive observer design for wave PDEs with nonlinear dynamics and parameter uncertainty. Automatica, 2021, 123, 109295.	5.0	14
358	Stabilization of Filament Production Rate for Screw Extrusion-Based Polymer Three-Dimensional-Printing. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2020, 142, .	1.6	14
359	Control of Deep-Hysteresis Aeroengine Compressors <sup>1</sup> . Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 140-152.	1.6	13
360	Proactive Coping as a Mediator Between Resources and Outcomes: A Structural Equations Modeling Analysis. Applied Research in Quality of Life, 2014, 9, 871-885.	2.4	13

#	ARTICLE	IF	CITATIONS
361	Predictor-feedback for multi-input LTI systems with distinct delays. , 2015, , .		13
362	Time-varying feedback for finite-time robust regulation of normal-form nonlinear systems. , 2016, , .		13
363	Backstepping control of the one-phase stefan problem. , 2016, , .		13
364	Predictor Observers for Proportional Navigation Systems Subjected to Seeker Delay. IEEE Transactions on Control Systems Technology, 2016, 24, 2002-2015.	5.2	13
365	Compensation of Transport Actuator Dynamics With Input-Dependent Moving Controlled Boundary. IEEE Transactions on Automatic Control, 2018, 63, 3889-3896.	5.7	13
366	Deterministic and Stochastic Newton-based extremum seeking for higher derivatives of unknown maps with delays. European Journal of Control, 2018, 41, 72-83.	2.6	13
367	Stochastic Extremum Seeking for Dynamic Maps With Delays. , 2019, 3, 61-66.		13
368	Extremum seeking for real-time optimal drilling control. , 2019, , .		13
369	PDE output feedback control of LTI systems with uncertain multi-input delays, plant parameters and ODE state. Systems and Control Letters, 2019, 123, 1-7.	2.3	13
370	Boundary observers for coupled diffusionâ€“reaction systems with prescribed convergence rate. Systems and Control Letters, 2020, 135, 104586.	2.3	13
371	Delay-adaptive control for linear systems with distributed input delays. Automatica, 2020, 116, 108902.	5.0	13
372	Laser Sintering Control for Metal Additive Manufacturing by PDE Backstepping. IEEE Transactions on Control Systems Technology, 2020, 28, 1928-1939.	5.2	13
373	Vibration Suppression for Coupled Wave PDEs in Deep-Sea Construction. IEEE Transactions on Control Systems Technology, 2021, 29, 1733-1749.	5.2	13
374	Boundary controllers and observers for Schr&#x00F6;ding equation. , 2007, , .		12
375	Further Results on Stabilization of Shock-Like Equilibria of the Viscous Burgers PDE. IEEE Transactions on Automatic Control, 2010, 55, 1942-1946.	5.7	12
376	Compensation of time-varying input delay for nonlinear systems. , 2011, , .		12
377	On optimizing sensor placement for spatio-temporal temperature estimation in large battery packs. , 2012, , .		12
378	Robust adaptive control: legacies and horizons. International Journal of Adaptive Control and Signal Processing, 2013, 27, 1-3.	4.1	12

#	ARTICLE	IF	CITATIONS
379	Linear backstepping output feedback control for uncertain linear systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016, 30, 1080-1098.	4.1	12
380	Adaptive Control via Extremum Seeking: Global Stabilization and Consistency of Parameter Estimates. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 2350-2359.	5.7	12
381	Safety Verification Using Barrier Certificates with Application to Double Integrator with Input Saturation and Zero-Order Hold. , 2018, , .		12
382	Mixed Equilibrium Solution of Time-Inconsistent Stochastic Linear-Quadratic Problem. <i>SIAM Journal on Control and Optimization</i> , 2019, 57, 533-569.	2.1	12
383	Global Stabilization of a Class of Nonlinear Reaction-Diffusion Partial Differential Equations by Boundary Feedback. <i>SIAM Journal on Control and Optimization</i> , 2019, 57, 3723-3748.	2.1	12
384	Fixed-Time Gradient-Based Extremum Seeking. , 2020, , .		12
385	Event-triggered boundary control of constant-parameter reaction-diffusion PDEs: a small-gain approach. , 2020, , .		12
386	Extremum Seeking for Wind and Solar Energy Applications. <i>Mechanical Engineering</i> , 2014, 136, S13-S21.	0.1	12
387	Adaptive nonlinear control with nonlinear swapping. , 0, , .		11
388	Adaptive Nonlinear Output-Feedback Control with an Observer-Based Identifier. , 1993, , .		11
389	Maximizing regions of attraction via backstepping and CLFs with singularities. <i>Systems and Control Letters</i> , 1997, 30, 195-207.	2.3	11
390	Extremum Seeking Tuning of an Experimental HCCI Engine Combustion Timing Controller. <i>Proceedings of the American Control Conference</i> , 2007, , .	0.0	11
391	Motion planning and trajectory tracking for three-dimensional Poiseuille flow. <i>Journal of Fluid Mechanics</i> , 2009, 626, 307-332.	3.4	11
392	Multi-agent deployment around a source in one dimension by extremum seeking. , 2010, , .		11
393	Nash equilibrium seeking with infinitely-many players. , 2011, , .		11
394	Nonlinear stabilization in infinite dimension. <i>Annual Reviews in Control</i> , 2013, 37, 220-231.	7.9	11
395	Gradient Extremum Seeking with Delays—The first author thanks the Brazilian funding agencies CAPES, CNPq and FAPERJ for the financial support.. <i>IFAC-PapersOnLine</i> , 2015, 48, 227-232.	0.9	11
396	Input-to state stability with respect to boundary disturbances for the 1-D heat equation. , 2016, , .		11

#	ARTICLE	IF	CITATIONS
397	Varying Speed Limit Control of Aw-Rascl-Zhang Traffic Model. , 2018, , .		11
398	Materials Phase Change PDE Control & Estimation. Systems and Control: Foundations and Applications, 2020, , .	0.3	11
399	Output feedback control of two-lane traffic congestion. Automatica, 2021, 125, 109379.	5.0	11
400	Prescribed-Time Control of Stochastic Nonlinear Systems with Reduced Control Effort. Journal of Systems Science and Complexity, 2021, 34, 1782-1800.	2.8	11
401	Constrained Control of Input Delayed Systems With Partially Compensated Input Delays. , 2020, , .		11
402	Global attitude/position regulation for underwater vehicles. International Journal of Systems Science, 1999, 30, 939-946.	5.5	10
403	Recursive scaling design for robust global nonlinear stabilization via output feedback. International Journal of Robust and Nonlinear Control, 2000, 10, 821-848.	3.7	10
404	Lyapunov Adaptive Stabilization of Parabolic PDEs&#8212; Part I: A Benchmark for Boundary Control. , 0, , .		10
405	Source seeking with a nonholonomic unicycle without position measurements and with tuning of angular velocity &#x2014; Part II: Applications. , 2007, , .		10
406	Multi-agent deployment to a family of planar Arcs. , 2010, , .		10
407	Compensation of state-dependent input delay for nonlinear systems. , 2011, , .		10
408	Backstepping control for parabolic PDEs with in-domain actuation. , 2012, , .		10
409	Control of nonlinear delay systems: A tutorial. , 2012, , .		10
410	A Self-Consistent Numerical Method for Calculation of Steady-State Characteristics of Traveling-Wave and Reflective SOAs. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1-11.	2.9	10
411	Boundary control of a cascade of two parabolic PDEs with different diffusion coefficients. , 2013, , .		10
412	Control of shallow waves of two unmixed fluids by backstepping. Annual Reviews in Control, 2017, 44, 211-225.	7.9	10
413	Boundary observer design for coupled reaction-diffusion systems with spatially-varying reaction. , 2017, , .		10
414	Yield trajectory tracking for hyperbolic age-structured population systems. Automatica, 2018, 90, 138-146.	5.0	10



#	ARTICLE	IF	CITATIONS
415	Input-to-State Stability for the Control of Stefan Problem with Respect to Heat Loss at the Interface. , 2018, , .		10
416	Folding Backstepping Approach to Parabolic PDE Bilateral Boundary Control. IFAC-PapersOnLine, 2019, 52, 76-81.	0.9	10
417	Event-Triggered Gain Scheduling of Reaction-Diffusion PDEs. SIAM Journal on Control and Optimization, 2021, 59, 2047-2067.	2.1	10
418	Stop-and-go suppression in two-class congested traffic. Automatica, 2021, 125, 109381.	5.0	10
419	Reinforcement Learning Versus PDE Backstepping and PI Control for Congested Freeway Traffic. IEEE Transactions on Control Systems Technology, 2022, 30, 1595-1611.	5.2	10
420	Simultaneous downstream and upstream output-feedback stabilization of cascaded freeway traffic. Automatica, 2022, 136, 110044.	5.0	10
421	Delay-Adaptive Control of a 7-DOF Robot Manipulator: Design and Experiments. IEEE Transactions on Control Systems Technology, 2022, 30, 2506-2521.	5.2	10
422	Global Stabilization of Compressible Flow between Two Moving Pistons. SIAM Journal on Control and Optimization, 2022, 60, 1117-1142.	2.1	10
423	Tuning of a combustion controller by extremum seeking: a simulation study. , 0, , .		9
424	Volterra boundary control laws for a class of nonlinear parabolic partial differential equations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 1253-1258.	0.4	9
425	Nash equilibrium seeking for games with non-quadratic payoffs. , 2010, , .		9
426	Boundary Backstepping Control of Flow-Induced Vibrations of a Membrane at High Mach Numbers. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	9
427	Multiparameter extremum seeking with output delays. , 2015, , .		9
428	Control-Oriented Energy-Based Modeling of a Screw Extruder Used for 3D Printing. , 2016, , .		9
429	Boundary control of coupled reaction-diffusion systems with spatially-varying reaction. IFAC-PapersOnLine, 2016, 49, 222-227.	0.9	9
430	State Estimation for Lithium Ion Batteries With Phase Transition Materials. , 2017, , .		9
431	Prescribed finite time consensus of networked multi-agent systems. , 2017, , .		9
432	Stabilization of Traffic Flow With a Leading Autonomous Vehicle. , 2018, , .		9

#	ARTICLE	IF	CITATIONS
433	Boundary Observer for Congested Freeway Traffic State Estimation via Aw-Rasclé-Zhang model. IFAC-PapersOnLine, 2019, 52, 183-188.	0.9	9
434	Robust Compensation of Delay and Diffusive Actuator Dynamics Without Distributed Feedback. IEEE Transactions on Automatic Control, 2019, 64, 3663-3675.	5.7	9
435	Hardware-in-the-Loop Multiobjective Extremum-Seeking Control of Mineral Grinding. IEEE Transactions on Control Systems Technology, 2021, 29, 961-971.	5.2	9
436	Sequential predictors for delay-compensating feedback stabilization of bilinear systems with uncertainties. Systems and Control Letters, 2021, 152, 104933.	2.3	9
437	Spill-Free Transfer and Stabilization of Viscous Liquid. IEEE Transactions on Automatic Control, 2022, 67, 4585-4597.	5.7	9
438	Stability enhancement by boundary control in 2D channel flow. I. Regularity of solutions. , 0, , .		8
439	Antiwindup scheme for plasma shape control with rate and magnitude actuation constraints in the DIII-D tokamak. , 0, , .		8
440	Explicit forwarding controllers-beyond linearizable class. , 0, , .		8
441	Backstepping boundary control for first order hyperbolic PDEs and application to systems with actuator and sensor delays. , 2007, , .		8
442	Optimal Adaptive Control—Contradiction in Terms or a Matter of Choosing the Right Cost Functional?. IEEE Transactions on Automatic Control, 2008, 53, 1942-1947.	5.7	8
443	Demonstrating Optimum HCCI Combustion with Advanced Control Technology. , 2009, , .		8
444	Nonlinear PDE—based motion planning for the formation control of mobile agents. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 599-604.	0.4	8
445	Stochastic nonholonomic source seeking. , 2010, , .		8
446	A universal extremum seeking-based stabilizer for unknown LTV systems with unknown control directions. , 2012, , .		8
447	Control of discrete-time nonlinear systems actuated through counter-convecting transport dynamics. Journal of Control and Decision, 2014, 1, 34-50.	1.6	8
448	Active Disturbance Rejection Control for a 2 <sup>nd</sup> -order Hyperbolic System with an Input Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11385-11390.	0.4	8
449	Newton-based Extremum Seeking under Actuator and Sensor Delays—The first author thanks the Brazilian funding agencies CAPES, CNPq and FAPERJ for the financial support.. IFAC-PapersOnLine, 2015, 48, 304-309.	0.9	8
450	Prediction-based control for nonlinear state- and input-delay systems with the aim of delay-robustness analysis. , 2015, , .		8

#	ARTICLE	IF	CITATIONS
451	Adaptive observer for parabolic PDEs with uncertain parameter in the boundary condition. , 2015, , .		8
452	Boundary Parameter and State Estimation in General Linear Hyperbolic PDEs. IFAC-PapersOnLine, 2016, 49, 104-110.	0.9	8
453	Stabilization of an underactuated coupled transport-wave PDE system. , 2017, , .		8
454	Bilateral Boundary Control of Moving Traffic Shockwave. IFAC-PapersOnLine, 2019, 52, 48-53.	0.9	8
455	Equilibrium Solutions of Multiperiod Mean-Variance Portfolio Selection. IEEE Transactions on Automatic Control, 2020, 65, 1716-1723.	5.7	8
456	Stabilization of a $2^{\text{nd}}$ system of hyperbolic PDEs with recirculation in the unactuated channel. Automatica, 2020, 120, 109147.	5.0	8
457	Extremum seeking for unknown scalar maps in cascade with a class of parabolic partial differential equations. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1162-1187.	4.1	8
458	Compensation of Spatially Varying Input Delay in Distributed Control of Reaction-Diffusion PDEs. IEEE Transactions on Automatic Control, 2021, 66, 4069-4083.	5.7	8
459	Vector Extensions of Halanay's Inequality. IEEE Transactions on Automatic Control, 2022, 67, 1453-1459.	5.7	8
460	Introduction to Extremum Seeking. Communications and Control Engineering, 2012, , 11-20.	1.6	8
461	Acceleration-Actuated Source Seeking Without Position and Velocity Sensing. IFAC-PapersOnLine, 2020, 53, 5348-5355.	0.9	8
462	Fixed-Time Nash Equilibrium Seeking in Time-Varying Networks. IEEE Transactions on Automatic Control, 2023, 68, 1954-1969.	5.7	8
463	State estimation of the Stefan PDE: A tutorial on design and applications to polar ice and batteries. Annual Reviews in Control, 2022, 53, 199-223.	7.9	8
464	Feedback control of particle dispersion in bluff body wakes. International Journal of Control, 2004, 77, 1001-1018.	1.9	7
465	Explicit Formulae for Boundary Control of Parabolic PDEs. Lecture Notes in Control and Information Sciences, 0, , 231-249.	1.0	7
466	Passive Identifiers for Boundary Adaptive Control of 3D Reaction-Advection-Diffusion PDEs. , 0, , .		7
467	Adaptive output feedback control for complex-valued reaction-advection-diffusion systems. , 2008, , .		7
468	Compensating a string PDE in the actuation or sensing path of an unstable ODE. , 2009, , .		7

#	ARTICLE	IF	CITATIONS
469	Control of an unstable reaction-diffusion PDE with long input delay. , 2009, , .		7
470	Multivariable Newton-based extremum seeking. , 2011, , .		7
471	Finite-horizon LQ control for unknown discrete-time linear systems via extremum seeking. , 2012, , .		7
472	Adaptive cancelation of matched unknown sinusoidal disturbances for unknown LTI systems by state derivative feedback. , 2012, , .		7
473	Marcum Q-functions and explicit feedback laws for stabilization of constant coefficient 2 &#x00D7; 2 linear hyperbolic systems. , 2013, , .		7
474	Gradient based projection method for constrained optimization. , 2013, , .		7
475	A backstepping boundary observer for a class of linear first-order hyperbolic systems. , 2013, , .		7
476	Analytic Modeling and Integral Control of Heterogeneous Thermostatically Controlled Load Populations. , 2014, , .		7
477	Maximizing higher derivatives of unknown maps with extremum seeking. , 2015, , .		7
478	State Estimation for an Electrochemical Model of Multiple-Material Lithium-Ion Batteries. , 2016, , .		7
479	Output feedback control of the one-phase Stefan problem. , 2016, , .		7
480	Approximate and sampled-data predictors for control of nonlinear delay systems. Annual Reviews in Control, 2016, 41, 2-12.	7.9	7
481	Design Optimization of Dynamically Coupled Actuated Butterfly Valves Subject to a Sudden Contraction. Journal of Mechanical Design, Transactions of the ASME, 2016, 138, .	2.9	7
482	Robust Stabilization of Nonlinear Globally Lipschitz Delay Systems. Advances in Delays and Dynamics, 2016, , 43-60.	0.4	7
483	Overshoot-Free Steering-Based Source Seeking. IEEE Transactions on Control Systems Technology, 2017, 25, 818-827.	5.2	7
484	Control of District Heating System with Flow-dependent Delays. IFAC-PapersOnLine, 2017, 50, 13612-13617.	0.9	7
485	Delay compensated control of the Stefan problem. , 2017, , .		7
486	Control of Piston Position in Inviscid Gas by Bilateral Boundary Actuation. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
487	Numerical optimization based on generalized extremum seeking for fast methane production by a modified ADM1. <i>Journal of Process Control</i> , 2019, 84, 56-69.	3.3	7
488	Robust adaptive regulation of dynamically positioned ships with unknown dynamics and unknown disturbances. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019, 33, 545-556.	4.1	7
489	Regulation-triggered adaptive control of a hyperbolic PDE-ODE model with boundary interconnections. <i>International Journal of Adaptive Control and Signal Processing</i> , 2021, 35, 1513-1543.	4.1	7
490	Multivariable extremum seeking with distinct delays using a one-stage sequential predictor. <i>Automatica</i> , 2021, 129, 109462.	5.0	7
491	Extremum Seeking Feedback With Wave Partial Differential Equation Compensation. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2021, 143, .	1.6	7
492	Stability analysis and predictor feedback control for systems with unbounded delays. <i>Automatica</i> , 2022, 135, 109958.	5.0	7
493	Delay-Compensated Distributed PDE Control of Traffic With Connected/Automated Vehicles. <i>IEEE Transactions on Automatic Control</i> , 2023, 68, 2229-2244.	5.7	7
494	Control of deep-hysteresis aeroengine compressors. I. A Moore-Greitzer type model. , 1997, , .		6
495	Experimental application of extremum seeking on an axial-flow compressor. , 1998, , .		6
496	Stability margins in inverse optimal input-to-state stabilization. , 1998, , .		6
497	Adaptive Stabilization of Stochastic Nonlinear Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1998, 31, 473-480.	0.4	6
498	Towards faster adaptation in extremum seeking control. , 0, , .		6
499	Strong stabilization of the system of linear elasticity by a Dirichlet boundary feedback. <i>IMA Journal of Applied Mathematics</i> , 2000, 65, 109-121.	1.6	6
500	Nonlinear Lyapunov-based burn control in fusion reactors. <i>Fusion Engineering and Design</i> , 2002, 63-64, 569-575.	1.9	6
501	Discrete time extremum seeking using stochastic perturbations. , 2007, , .		6
502	Extremum seeking-based tracking for unknown systems with unknown control directions. , 2012, , .		6
503	Nash Equilibrium Seeking for Dynamic Systems with Non-quadratic Payoffs. , 2013, , 179-198.		6
504	Region tracking control for multi-agent systems with high-order dynamics. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
505	Extremum seeking for wind and solar energy applications. , 2014, , .		6
506	Discrete-time Stochastic Extremum Seeking. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3274-3279.	0.4	6
507	Explicit boundary control of reaction-diffusion PDEs on arbitrary-dimensional balls. , 2015, , .		6
508	A Predictor Observer for Seeker Delay in the Missile Homing Loop. IFAC-PapersOnLine, 2015, 48, 416-421.	0.9	6
509	Bounded integral control for regulating input-to-state stable non-linear systems. , 2015, , .		6
510	Coupled Chaotic and Hyperchaotic Dynamics of Actuated Butterfly Valves Operating in Series. , 2016, , .		6
511	Boundary control of a singular reaction-diffusion equation on a disk. IFAC-PapersOnLine, 2016, 49, 74-79.	0.9	6
512	Backstepping control design for a coupled hyperbolic-parabolic mixed class PDE system. , 2017, , .		6
513	Decay estimates for 1-D parabolic PDES with boundary disturbances. ESAIM - Control, Optimisation and Calculus of Variations, 2018, 24, 1511-1540.	1.3	6
514	Stabilization of Reaction-Diffusion PDE Distributed Actuation and Input Delay. , 2018, , .		6
515	Joint-Space Trajectory Optimization of a 7-DOF Baxter Using Multivariable Extremum Seeking. , 2018, , .		6
516	Constrained Stabilization of Multi-Input Linear Systems with Distinct Input Delays. IFAC-PapersOnLine, 2019, 52, 82-87.	0.9	6
517	Simultaneous Stabilization of Traffic Flow on Two Connected Roads. , 2020, , .		6
518	Adaptive and Robust Predictors for Multi-input Linear Systems with Distributed Delays. SIAM Journal on Control and Optimization, 2020, 58, 3457-3485.	2.1	6
519	Newton-based extremum seeking of higher-order derivative maps with time-varying delays. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1202-1216.	4.1	6
520	Stability and observer designs using new variants of Halanay's inequality. Automatica, 2021, 123, 109299.	5.0	6
521	Energy Storage in Paraffin: A PDE Backstepping Experiment. IEEE Transactions on Control Systems Technology, 2021, 29, 1490-1502.	5.2	6
522	Prescribed-Time Stabilization of ODEs with Diffusive Actuator Dynamics. IFAC-PapersOnLine, 2021, 54, 434-439.	0.9	6

#	ARTICLE	IF	CITATIONS
523	Robustness to delay mismatch in extremum seeking. European Journal of Control, 2021, 62, 75-83.	2.6	6
524	Lateral Vibration Suppression of a Disturbed Mining Cable Elevator with Flexible Guideways. , 2020, , .		6
525	Safety-Critical Control of Systems with Time-Varying Input Delay. IFAC-PapersOnLine, 2021, 54, 169-174.	0.9	6
526	Output Feedback Adaptive Controllers with Swapping Identifiers for Two Unstable PDEs with Infinite Relative Degree. , 0, , .		5
527	GPS denied source seeking for underactuated autonomous vehicles in 3D. , 2008, , .		5
528	Boundary control of an anti-stable wave equation with anti-damping on the uncontrolled boundary. , 2009, , .		5
529	Source seeking for a Joukowski foil model of fish locomotion. , 2009, , .		5
530	Lyapunov stability of linear predictor feedback for distributed input delays. , 2010, , .		5
531	Nash Equilibrium Seeking for Dynamic Systems with Non-Quadratic Payoffs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3605-3610.	0.4	5
532	Parameter Identification for Electrohydraulic Valvetrain Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	1.6	5
533	PDE-based analysis and control of the oxygen storage level in three-way catalytic converters. , 2012, , .		5
534	Stabilization of a linear hyperbolic system with one boundary controlled transport PDE coupled with n counterconvecting PDEs. , 2012, , .		5
535	Adaptive backstepping cancelation of unmatched unknown sinusoidal disturbances for unknown LTI systems by state derivative feedback. , 2012, , .		5
536	Power optimization for photovoltaic micro-converters using multivariable Newton-based extremum-seeking. , 2012, , .		5
537	Control of thermodynamical system with input-dependent state delays. , 2013, , .		5
538	Bounded droop controller for accurate load sharing among paralleled inverters. , 2014, , .		5
539	A new tracking controller for neuromuscular electrical stimulation under input delays: Case study in prediction. , 2014, , .		5
540	Explicit boundary control of a reaction-diffusion equation on a disk. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1562-1567.	0.4	5

#	ARTICLE	IF	CITATIONS
541	State estimation for nonlinear hyperbolic PDE-ODE cascade systems. , 2015, , .		5
542	Sampled-data feedback stabilization of age-structured chemostat models. , 2015, , .		5
543	Boundedness of Synchronverters. , 2015, , .		5
544	Pitch Control Design for Tandem Lifting Body Catamaran by Aft Lifting Body Actuation. IEEE Transactions on Control Systems Technology, 2015, 23, 700-707.	5.2	5
545	Analytical and Experimental Predictor-Based Time Delay Control of Baxter Robot. , 2018, , .		5
546	Robustness of Boundary Observers for Radial Diffusion Equations to Parameter Uncertainty. , 2018, , .		5
547	Fading Memory Input-to-State Stability. Communications and Control Engineering, 2019, , 185-191.	1.6	5
548	Extremum Seeking for Maximizing Higher Derivatives of Unknown Maps in Cascade with Reaction-Advection-Diffusion PDEs. IFAC-PapersOnLine, 2019, 52, 210-215.	0.9	5
549	Population Pharmacokinetic Analysis of Bisoprolol in Patients With Acute Coronary Syndrome. Journal of Cardiovascular Pharmacology, 2019, 73, 136-142.	1.9	5
550	Prescribed-time stabilization of reaction-diffusion equation by output feedback. , 2019, , .		5
551	Stability results for the continuity equation. Systems and Control Letters, 2020, 135, 104594.	2.3	5
552	Boundary-to-Displacement asymptotic gains for wave systems with Kelvinâ€™Voigt damping. International Journal of Control, 2021, 94, 2822-2833.	1.9	5
553	Predictor feedback and integrator backstepping of linear systems with distributed unbounded delays. International Journal of Robust and Nonlinear Control, 2022, 32, 3281-3291.	3.7	5
554	Laser Pulse Shaping via Iterative Learning Control and High-Dimensional Extremum Seeking. , 2011, , .		5
555	Event-triggered Varying Speed Limit Control of Stop-and-go Traffic. IFAC-PapersOnLine, 2020, 53, 7509-7514.	0.9	5
556	Prescribed-time tracking for triangular systems of reaction-diffusion PDEs. IFAC-PapersOnLine, 2020, 53, 7629-7634.	0.9	5
557	Control of deep-hysteresis compressors under limited actuator bandwidth. , 0, , .		4
558	Output-feedback disturbance attenuation and adaptive control for stochastic nonlinear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 4977-4982.	0.4	4



#	ARTICLE	IF	CITATIONS
559	Identification of averaged dynamics of a controlled combustion instability. , 0, , .		4
560	Backstepping Boundary Controllers for Tip-Force Induced Flexible Beam Instabilities Arising in AFM. , 2006, , .		4
561	A Closed-Form Observer for the 3D Inductionless MHD and Navier-Stokes Channel Flow. , 2006, , .		4
562	Non-overshooting Control of Strict-Feedback Nonlinear Systems. Proceedings of the American Control Conference, 2007, , .	0.0	4
563	BACKSTEPPING BOUNDARY CONTROL OF MAGNETOHYDRODYNAMIC CHANNEL FLOW. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 324-329.	0.4	4
564	Explicit Output Feedback Stabilization of a Thermal Convection Loop by Continuous Backstepping and Singular Perturbations. Proceedings of the American Control Conference, 2007, , .	0.0	4
565	Extremum seeking for motion optimization: From bacteria to nonholonomic vehicles. , 2008, , .		4
566	Nonlinear control of the Burgers PDE&#x2014;Part II: Observer design, trajectory generation, and tracking. , 2008, , .		4
567	On compensating long actuator delays in nonlinear control. , 2008, , .		4
568	Adaptive Cancellation of Matched Unknown Sinusoidal Disturbances for LTI Systems by State Derivative Feedback. , 2011, , .		4
569	Gain Scheduling-Inspired Boundary Control for Nonlinear Partial Differential Equations. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	1.6	4
570	PDE boundary control for euler-bernoulli beam using a two stage perturbation observer. , 2012, , .		4
571	Some remarks on Lyapunov-Krasovskii functionals and reduction approach for input delay compensation. , 2012, , .		4
572	Aircraft Endurance Maximization at Medium Mach Numbers by Extremum Seeking. Journal of Guidance, Control, and Dynamics, 2013, 36, 390-403.	2.8	4
573	Robustness to time- and state-dependent delay perturbations in networked nonlinear control systems. , 2013, , .		4
574	Stabilization of linearized Korteweg-de Vries systems with anti-diffusion. , 2013, , .		4
575	Adaptive Control of Anti-stable Wave PDE Systems: Theory and Applications in Oil Drilling. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 432-439.	0.4	4
576	Backstepping-forwarding boundary control design for first-order hyperbolic systems with Fredholm integrals. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
577	Combustion distribution control using the extremum seeking algorithm. Journal of Physics: Conference Series, 2014, 570, 052001.	0.4	4
578	Overshoot-free nonholonomic source seeking in 3D. International Journal of Adaptive Control and Signal Processing, 2017, 31, 1285-1295.	4.1	4
579	Compensation of input delay that depends on delayed input. , 2017, , .		4
580	Arctic sea ice temperature profile estimation via backstepping observer design. , 2017, , .		4
581	Backstepping control of the Stefan problem with flowing liquid. , 2017, , .		4
582	Traffic Congestion Control on Two-lane Aw-Rascle-Zhang Model. , 2018, , .		4
583	Scalar Newton-based Extremum Seeking for a Class of Diffusion PDEs. , 2018, , .		4
584	Traffic Congestion Control on Aw-Rascle-Zhang Model: Full-State Feedback. , 2018, , .		4
585	Thermodynamic Modeling and Control of Screw Extruder for 3D Printing. , 2018, , .		4
586	Stabilization of a 2-D reaction-diffusion equation with a coupled PDE evolving on its boundary. , 2019, , .		4
587	Compensation of Wave PDEs in Actuator Dynamics for Extremum Seeking Feedback. IFAC-PapersOnLine, 2019, 52, 134-139.	0.9	4
588	Delay robust control design of under-actuated PDE-ODE-PDE systems. , 2019, , .		4
589	Folding Bilateral Backstepping Output-Feedback Control Design for an Unstable Parabolic PDE. IEEE Transactions on Automatic Control, 2022, 67, 2389-2404.	5.7	4
590	Nash Equilibrium Seeking with Players Acting Through Heat PDE Dynamics. , 2021, , .		4
591	Extremum seeking boundary control for PDE cascade PDE cascades. Systems and Control Letters, 2021, 155, 105004.	2.3	4
592	Control of the Stefan System and Applications: A Tutorial. Annual Review of Control, Robotics, and Autonomous Systems, 2022, 5, 547-577.	11.8	4
593	Extremum Seeking Under Distributed Input Delay. IFAC-PapersOnLine, 2020, 53, 5423-5428.	0.9	4
594	Neuron Growth Control by PDE Backstepping: Axon Length Regulation by Tubulin Flux Actuation in Soma. , 2021, , .		4

#	ARTICLE	IF	CITATIONS
595	Design and Experiment of a Prescribed-Time Trajectory Tracking Controller for a 7-DOF Robot Manipulator. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2022, 144, .	1.6	4
596	Geometric/asymptotic properties of adaptive nonlinear systems with partial excitation. IEEE Transactions on Automatic Control, 1998, 43, 419-425.	5.7	3
597	Global attitude/position regulation for underwater vehicles. , 0, , .		3
598	Control design for mine ventilation network systems. , 0, , .		3
599	Backstepping boundary control for PDEs with non-constant diffusivity and reactivity. , 0, , .		3
600	Boundary Control of PDEs and Applications to Turbulent Flows and Flexible Structures. , 2006, , .		3
601	Systematization of Approaches to Adaptive Boundary Stabilization of PDEs. , 2006, , .		3
602	Adaptive Identification of a Linear Unstable Parabolic System with Boundary Sensing and Actuation. , 2006, , .		3
603	Backstepping Boundary Stabilization of Linearized 2D Hartman Flow. Proceedings of the American Control Conference, 2007, , .	0.0	3
604	Boundary feedback stabilization of homogeneous equilibria in unstable fluid mixtures. International Journal of Control, 2007, 80, 982-989.	1.9	3
605	Adaptive control of PDEs with uncertain and spatially variable parameters. Proceedings of the American Control Conference, 2007, , .	0.0	3
606	Boundary controllers for Euler-Bernoulli beam with arbitrary decay rate. , 2008, , .		3
607	Nonlinear control of the Burgers PDE&#x2014;Part I: Full-state stabilization. , 2008, , .		3
608	Predictor-like feedback for actuator and sensor dynamics governed by diffusion PDEs. , 2009, , .		3
609	Adaptive tracking controller for systems with unknown long delay and unknown parameters in the plant. , 2009, , .		3
610	Source seeking for a three-link model of fish locomotion. , 2009, , .		3
611	Extremum seeking with very slow or drifting sensors. , 2009, , .		3
612	Nash Equilibrium Seeking with Finitely-and Infinitely-Many Players. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 1086-1091.	0.4	3

#	ARTICLE	IF	CITATIONS
613	Delay-adaptive feedback for linear feedforward systems. , 2010, , .		3
614	Adaptive Backstepping Cancellation of Unmatched Unknown Sinusoidal Disturbances for LTI Systems by State Derivative Feedback. , 2012, , .		3
615	Backstepping-forwarding control of parabolic PDEs with partially separable kernels. , 2014, , .		3
616	Adaptive compensation of diffusion-advection actuator dynamics using boundary measurements. , 2015, , .		3
617	Stabilization of linearized Korteweg-de Vries systems with anti-diffusion by boundary feedback with non-collocated observation. , 2015, , .		3
618	Robustness to diffusion of prediction-based control for convection processes. , 2016, , .		3
619	A swapping design based adaptive observer for $n + 1$ coupled linear hyperbolic PDEs. , 2016, , .		3
620	State Feedback Stabilization of the Linearized Bilayer Saint-Venant Model. IFAC-PapersOnLine, 2016, 49, 130-135.	0.9	3
621	Adaptive backstepping with exponential regulation in the absence of persistent excitation. , 2016, , .		3
622	On the relationship between the Absolute Vibration Suppression and Back-Stepping methods in control of the wave equation with possibly unstable boundary conditions. , 2016, , .		3
623	Stabilization and robustness analysis for a chain of exponential integrators using strict Lyapunov functions. Automatica, 2016, 68, 184-193.	5.0	3
624	Global Dynamical Solvers for Nonlinear Programming Problems. SIAM Journal on Control and Optimization, 2017, 55, 1302-1331.	2.1	3
625	Finite-dimensional Adaptive Error Feedback Output Regulation for 1D Wave Equation * *This work was supported by the National Natural Science Foundation of China (61374088). IFAC-PapersOnLine, 2017, 50, 9192-9197.	0.9	3
626	Stability of Sampled-Data PDE-ODE Systems and Application to Observer Design and Output-Feedback Stabilization. IFAC-PapersOnLine, 2017, 50, 13289-13294.	0.9	3
627	Gradient Extremum Seeking with Time-Varying Delays. , 2018, , .		3
628	Adaptive Leader Following in Networks of Discrete-Time Dynamical Systems: Algorithms and Global Convergence Analysis. IEEE Transactions on Control of Network Systems, 2019, 6, 324-337.	3.7	3
629	Boundary Control of Coupled Hyperbolic PDEs for Two-dimensional Vibration Suppression of a Deep-sea Construction Vessel. , 2020, , .		3
630	Stability Analysis for Time-Varying Systems With Asynchronous Sampling Using Contractivity Approach. , 2021, 5, 49-54.		3

#	ARTICLE	IF	CITATIONS
631	Stability Analysis Using Generalized Sup-Delay Inequalities. , 2021, 5, 1411-1416.		3
632	Experimental and Analytical Delay-Adaptive Control of a 7-DOF Robot Manipulator. , 2021, , .		3
633	Adaptive Regulation- Triggered Control of Hyperbolic PDEs by Batch Least-Squares. , 2021, , .		3
634	ISS estimates in the spatial sup-norm for nonlinear 1-D parabolic PDEs. ESAIM - Control, Optimisation and Calculus of Variations, 2021, 27, 57.	1.3	3
635	Estimation-Based Schemes for Adaptive Nonlinear State-Feedback Control*. The IMA Volumes in Mathematics and Its Applications, 1995, , 165-198.	0.5	3
636	Adaptive Control of Hyperbolic PDEs Coupled With a Disturbed and Highly Uncertain ODE. IEEE Transactions on Automatic Control, 2023, 68, 108-123.	5.7	3
637	Traffic flow control on cascaded roads by event-triggered output feedback. International Journal of Robust and Nonlinear Control, 2022, 32, 5919-5949.	3.7	3
638	Self-tuning control of a nonlinear model of combustion instabilities. , 0, , .		2
639	Boundary control of the Kuramoto-Sivashinsky equation with low anti-dissipation. , 1999, , .		2
640	Optimal beam matching in particle accelerators via extremum seeking. , 2006, , .		2
641	Infinite-dimensional backstepping and applications to flows in electromagnetic fields. , 2008, , .		2
642	Inverse optimal adaptive control;The interplay between update laws, control laws, and Lyapunov functions. , 2009, , .		2
643	Nonlinear stabilization through long input delay;Part I: Forward complete systems. , 2009, , .		2
644	Basic Predictor Feedback. , 2009, , 17-40.		2
645	Predictor Observers. , 2009, , 41-52.		2
646	Lyapunov stability of linear predictor feedback for time-varying input delay. , 2009, , .		2
647	On stabilizing strict-feedback linear systems with delayed integrators. , 2009, , .		2
648	Compensating the distributed effect of counter-convection and diffusion in multi-input and multi-output LTI systems. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
649	Stabilization of linear strict-feedback systems with delayed integrators. , 2010, , .		2
650	On the stability of an interconnected system of Euler-Bernoulli beam and heat equation with boundary coupling. , 2011, , .		2
651	Stochastic Nash Equilibrium Seeking for Games with General Nonlinear Payoffs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3234-3239.	0.4	2
652	Nonlinear Stabilization in Infinite Dimension. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1-14.	0.4	2
653	Adaptive Output-Feedback Stabilization of Non-Local Hyperbolic PDEs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 7755-7760.	0.4	2
654	Predictor-feedback stabilization of multi-input nonlinear systems. , 2015, , .		2
655	Backstepping stabilization of the linearized Saint-Venant-Exner Model: Part I - state feedback. , 2015, , .		2
656	Disturbance attenuation limitations for systems with input delays. , 2015, , .		2
657	Lyapunov-based backstepping control of a class of linear systems without overparametrization, tuning functions or nonlinear damping. , 2015, , .		2
658	Anxiety and Depressiveness in Students With Childhood War-Related Experiences. Journal of Loss and Trauma, 2015, 20, 95-108.	1.5	2
659	Stability analysis and fail-safe operation of inverters operated in parallel. International Journal of Control, 2015, 88, 1410-1421.	1.9	2
660	An extremum seeking approach to sampled-data iterative learning control of continuous-time nonlinear systems**This research was supported in part by the Institute for Mathematics and its Applications with funds provided by the National Science Foundation and the Australian Research Council.. IFAC-PapersOnLine, 2016, 49, 962-967.	0.9	2
661	Control of transport PDE/nonlinear ODE cascades with state-dependent propagation speed. , 2016, , .		2
662	Backstepping Designs in the Presence of Non-constant Delays on the Virtual Input. Advances in Delays and Dynamics, 2016, , 61-77.	0.4	2
663	Observer design for triangular nonlinear systems in the presence of arbitrarily large output delay - a PDE based approach. , 2017, , .		2
664	Extremum seeking-based perfect adaptive tracking of non-PE references despite nonvanishing variance of perturbation. Automatica, 2018, 93, 189-196.	5.0	2
665	Wave Equations With Kelvin-Voigt Damping and Boundary Disturbance: A Study of the Asymptotic Gain Properties. , 2019, , .		2
666	A Simplified Multivariable Gradient Extremum Seeking for Distinct Input Delays with Delay-Independent Convergence Rates. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
667	Nash Equilibrium Seeking in Quadratic Noncooperative Games Under Two Delayed Information-Sharing Schemes. <i>Journal of Optimization Theory and Applications</i> , 2020, , 1.	1.5	2
668	Event-triggered Backstepping Control of 2 $\tilde{A}$ - 2 Hyperbolic PDE-ODE Systems. <i>IFAC-PapersOnLine</i> , 2020, 53, 7551-7556.	0.9	2
669	Inverse Optimality for Extremum Seeking Feedback under Delays. <i>IFAC-PapersOnLine</i> , 2020, 53, 5405-5410.	0.9	2
670	Output Feedback Control of Radially-Dependent Reaction-Diffusion PDEs on Balls of Arbitrary Dimensions. <i>IFAC-PapersOnLine</i> , 2020, 53, 7635-7640.	0.9	2
671	Output-Feedback PDE Control of Traffic Flow on Cascaded Freeway Segments. <i>IFAC-PapersOnLine</i> , 2020, 53, 7623-7628.	0.9	2
672	Delayed Multivariable Extremum Seeking with Sequential Predictors. , 2020, , .		2
673	NONLINEAR BACKSTEPPING CONTROL FOR THE FUEL DIFFUSION LAG IN FUSION REACTORS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002, 35, 113-118.	0.4	1
674	BOUNDARY CONTROL OF A CLASS OF UNSTABLE PARABOLIC PDES VIA BACKSTEPPING. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002, 35, 431-436.	0.4	1
675	Nonlinear burn control in fusion reactors. , 0, , .		1
676	Tailored Fuel Injection for Pulsed Detonation Engines via Feedback Control. <i>Journal of Propulsion and Power</i> , 2003, 19, 917-921.	2.2	1
677	Explicit control laws for some classes of feedforward systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004, 37, 171-176.	0.4	1
678	Inverse optimality and performance in forwarding. , 0, , .		1
679	Sensing schemes for state estimation in turbulent flows and flexible structures. , 2006, , .		1
680	Observer Based Boundary Control of an Unstable Wave Equation. <i>Proceedings of the American Control Conference</i> , 2007, , .	0.0	1
681	Control of Channel Flow Turbulence, Vortex Shedding, and Thermal Convection by Backstepping Boundary Control. <i>Proceedings of the American Control Conference</i> , 2007, , .	0.0	1
682	BOUNDARY CONTROL LAWS FOR PARABOLIC PDES WITH VOLTERRA NONLINEARITIESâ€™PART I: DESIGN. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007, 40, 146-151.	0.4	1
683	GPS-DENIED SOURCE SEEKING FOR A NONHOLONOMIC UNICYCLE VIA HEADING CONTROL. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007, 40, 952-957.	0.4	1
684	Motion planning and tracking for tip displacement and deflection angle for flexible beams. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
685	Nonlinear stabilization through long input delay&#x2014;Part II: The strict-feedforward class. , 2009, ,		1
686	Boundary stabilization of an anti-stable wave equation with in-domain anti-damping. , 2009, , .		1
687	Forward-Complete Systems. , 2009, , 171-190.		1
688	Dead-time compensation for wave/string PDEs. , 2009, , .		1
689	Compensating the Distributed Effect of a Wave PDE in the Actuation or Sensing Path of Multi-Input and Multi-Output LTI Systems. , 2010, , .		1
690	Stochastic averaging in continuous time and its applications to extremum seeking. , 2010, , .		1
691	Nonlinear stabilization under sampled and delayed measurements, and with inputs subject to delay and zero-order hold. , 2011, , .		1
692	Stabilization of Nonlinear Strict-Feedback Systems With Time-Varying Delayed Integrators. , 2011, , .		1
693	PDE Boundary Control for Flexible Articulated Aircraft Wings. , 2011, , .		1
694	Compensation of state-dependent state delay for nonlinear systems. , 2012, , .		1
695	Improving the Power Quality of Traction Power Systems with a Single-Feeding Wire. , 2013, , .		1
696	Nonlinear control under input delays that depend on delayed states. , 2013, , .		1
697	Oil drilling inspired compensation of wave actuator dynamics for nonlinear systems. , 2013, , .		1
698	Womenâ€™s demand for late-term abortion: A social or psychiatric issue?. Vojnosanitetski Pregled, 2014, 71, 660-666.	0.2	1
699	Time- and State-Dependent Input Delay-Compensated Bang-Bang Control of a Screw Extruder for 3D Printing. , 2015, , .		1
700	Extremum seeking subject to multiple and distinct input delays. , 2015, , .		1
701	Backstepping stabilization of the linearized Saint-Venant-Exner Model: Part II- output feedback. , 2015, , .		1
702	Stabilization of a chain of exponential integrators using a strict Lyapunov function. , 2015, , .		1



#	ARTICLE	IF	CITATIONS
703	Sampled-Data Stabilization of Nonlinear Delay Systems With a Compact Absorbing Set. IFAC-PapersOnLine, 2015, 48, 410-415.	0.9	1
704	Maximizing higher derivatives of unknown maps with stochastic extremum seeking. , 2016, , .		1
705	Newton-based extremum seeking for higher derivatives of unknown Maps with Delays. , 2016, , .		1
706	Stability of predictor-based feedback for nonlinear systems with distributed input delay. , 2016, , .		1
707	Observer design for an IPDE with time-dependent coefficients. , 2016, , .		1
708	Adaptive output feedback control of flow-induced vibrations of a membrane at high mach numbers. , 2017, , .		1
709	Boundary Observers for the Expected Value of a Randomly Switching Reaction-Diffusion PDE. , 2018, , .		1
710	Compensation of a Class of Infinite-Dimensional Actuator Dynamics without Distributed Feedback. , 2018, , .		1
711	Adaptive Output Feedback for Aw-Rascle-Zhang Traffic Model in Congested Regime. , 2018, , .		1
712	Existence/Uniqueness Results for Parabolic PDEs. Communications and Control Engineering, 2019, , 61-92.	1.6	1
713	ISS in Spatial L2 and H1 Norms. Communications and Control Engineering, 2019, , 93-140.	1.6	1
714	Laser Sintering Control for Metal Additive Manufacturing by PDE Backstepping. , 2019, , .		1
715	Backstepping Boundary Control of a 1-D 2 <sup>nd</sup> Unstable Diffusion-Reaction PDE System with Distinct Input Delays. , 2019, , .		1
716	Boundary prescribed-time stabilization of a pair of coupled reaction-diffusion equations. , 2020, , .		1
717	Regulator Design for a Congested Continuum Traffic Model with App-Routing Instability. , 2020, , .		1
718	Stability Analysis using New Variant of Halanay's Inequality. IFAC-PapersOnLine, 2021, 54, 783-786.	0.9	1
719	Editorial for the special issue on extremum seeking control: Theory and applications. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1140-1142.	4.1	1
720	Adaptive Control of Aircraft in Icing Using Regulation-Triggered Batch Least-Squares Identifier. Journal of Guidance, Control, and Dynamics, 2021, 44, 1721-1731.	2.8	1

#	ARTICLE	IF	CITATIONS
721	Robust Boundary Observer for Traffic State Estimation on One Incoming and Two Outgoing Roads. IFAC-PapersOnLine, 2021, 54, 384-389.	0.9	1
722	Lithium-Ion Batteries. Systems and Control: Foundations and Applications, 2020, , 199-219.	0.3	1
723	Newton-Based Stochastic Extremum Seeking. Communications and Control Engineering, 2012, , 181-199.	1.6	1
724	Control of Nonlinear Systems with Delays. , 2014, , 1-6.		1
725	Predictor Feedback for Extremum Seeking with Delays. Advances in Delays and Dynamics, 2017, , 217-234.	0.4	1
726	Control of systems on spatial domains with moving boundaries: 3D printing and traffic. Facta Universitatis - Series Electronics and Energetics, 2019, 32, 503-512.	0.9	1
727	Extremum Seeking Control. , 2020, , 1-5.		1
728	Control of An Unstable Reaction-Diffusion PDE with Spatially-Varying Input Delay. IFAC-PapersOnLine, 2020, 53, 7599-7604.	0.9	1
729	Sea Ice. Systems and Control: Foundations and Applications, 2020, , 179-198.	0.3	1
730	Filterless Least-Squares Based Adaptive Stochastic Continuous-Time Nonlinear Control. IFAC-PapersOnLine, 2020, 53, 2171-2176.	0.9	1
731	Fixed-Time Seeking and Tracking of Time-Varying Extrema. , 2021, , .		1
732	Comments on "Design of Controllers with Arbitrary Convergence Time" [Automatica 112 (2020) 108710]. Automatica, 2022, 142, 110429.	5.0	1
733	Feedback attenuation and adaptive cancellation of blade vortex interaction noise on a helicopter blade element. , 1998, , .		0
734	Closed-Form Solutions of Stochastic and Deterministic Nonlinear Control Problems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 327-332.	0.4	0
735	<title>Active control of blade vortex interaction noise on a helicopter blade element</title>. , 1998, 3323, 534.		0
736	Global boundary stabilization and regularization of Burgers' equation. , 1999, , .		0
737	Controlling nonlinear water waves: boundary stabilization of the Korteweg-de Vries-Burgers equation. , 1999, , .		0
738	Output-Feedback Control of stochastic nonlinear systems. , 1999, , 269-289.		0

#	ARTICLE	IF	CITATIONS
739	BOUNDARY CONTROL OF CHEMICAL TUBULAR REACTORS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 483-488.	0.4	0
740	Discussion on "Infinite Dimensional Backstepping-Style Feedback Transformations for a Heat Equation with Arbitrary Level of Instability" by A. Balogh and M. Krstic. European Journal of Control, 2002, 8, 176-177.	2.6	0
741	Discussion on: "Adaptive Extremum Seeking Control of Fed-Batch Bioreactors". European Journal of Control, 2003, 9, 632-633.	2.6	0
742	Averaging analysis of periodically forced fluid networks. Automatica, 2005, 41, 129-135.	5.0	0
743	Optimized Beam Matching Using Extremum Seeking. , 0, , .		0
744	Thermal convection loop control by continuous backstepping and singular perturbations. , 0, , .		0
745	Advances in robust and nonlinear control of distributed parameter systems. International Journal of Robust and Nonlinear Control, 2006, 16, 731-732.	3.7	0
746	Backstepping Boundary Control of Navier-Stokes Channel Flow: Explicit Gain Formulae in 3D. , 2006, , .		0
747	Higher Order Stability Properties of a 2D Navier Stokes System with an Explicit Boundary Controller. , 2006, , .		0
748	Generation and Tracking of Sinusoids for Shake Table Control via Extremum Seeking. , 2007, , 117.		0
749	NONLINEAR CONTROL OF PDES: ARE FEEDBACK LINEARIZATION AND GEOMETRIC METHODS APPLICABLE?. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 20-27.	0.4	0
750	BOUNDARY CONTROL LAWS FOR PARABOLIC PDES WITH VOLTERRA NONLINEARITIES" PART II: EXAMPLES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 330-335.	0.4	0
751	ADAPTIVE CONTROL OF PDES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 20-31.	0.4	0
752	Backstepping Boundary Control A Tutorial. Proceedings of the American Control Conference, 2007, , .	0.0	0
753	Boundary control for nonlinear parabolic PDEs by Volterra feedback linearization. , 2007, , .		0
754	Stochastic averaging on infinite time interval for a class of nonlinear systems with stochastic perturbation. , 2009, , .		0
755	Delay-Adaptive Predictor with Estimation of Actuator State. , 2009, , 121-133.		0
756	Nonlinear Predictor Feedback. Systems and Control: Foundations and Applications, 2009, , 153-169.	0.3	0

#	ARTICLE	IF	CITATIONS
757	ODEs with General Transport-Like Actuator Dynamics. , 2009, , 235-251.		0
758	Problem 5.1 Infinite dimensional backstepping for nonlinear parabolic PDEs. , 2009, , 153-159.		0
759	Nonlinear stabilization through long input delay&#x2014;Part III: Linearizable strict-feedforward systems. , 2009, , .		0
760	Inverse Optimal Redesign. , 2009, , 53-63.		0
761	Conference reports [including A workshop in honor of A.V. Balakrishnan and MED'08]. IEEE Control Systems, 2009, 29, 112-118.	0.8	0
762	Source Seeking for Nonholonomic Unicycle With Speed Regulation. , 2010, , .		0
763	Perspectives on E-Print Servers and Traditional Publishing [Publication Activities]. IEEE Control Systems, 2011, 31, 23-80.	0.8	0
764	The Stabilization of One-Dimensional Wave Equation by Delayed Output Feedback. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12538-12543.	0.4	0
765	Compensation of state-dependent delays under local stabilizability assumption. , 2012, , .		0
766	Newton-based stochastic extremum seeking. , 2012, , .		0
767	Adaptive stabilization of LTI systems with distributed input delay. , 2012, , .		0
768	Stochastic Source Seeking With Multiple Nonholonomic Vehicles via a Single Forward-Velocity Control Signal. , 2012, , .		0
769	A Single-Phase to Three-Phase Power Conversion System with Reduced Switches and Improved Output Voltages. , 2013, , .		0
770	Stabilization in the supremum norm of wave PDE/nonlinear ODE cascades. , 2013, , .		0
771	Backstepping control of an aeroelastic system with large Mach numbers. , 2013, , .		0
772	Prediction-based boundary control of linear delayed systems without restriction on relative degree. , 2015, , .		0
773	Adaptive sinusoidal disturbance cancellation for unknown LTI systems despite input delay. , 2015, , .		0
774	Stabilization of reaction-diffusion equations with state delay using boundary control input. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
775	Output Feedback Stabilization of the Linearized Bilayer Saint-Venant Model. , 2016, , .		0
776	An ODE Observer for Lyapunov-Based Global Stabilization of a Bioreactor Nonlinear PDE. Lecture Notes in Control and Information Sciences, 2017, , 101-124.	1.0	0
777	Preview of Predictor Feedback and Delay Compensation. Systems and Control: Foundations and Applications, 2017, , 1-16.	0.3	0
778	Linear Systems with State Measurement. Systems and Control: Foundations and Applications, 2017, , 19-58.	0.3	0
779	Linear Systems with Output Measurement. Systems and Control: Foundations and Applications, 2017, , 59-82.	0.3	0
780	Nonlinear Systems with State Measurement. Systems and Control: Foundations and Applications, 2017, , 85-153.	0.3	0
781	Nonlinear Systems with Output Measurement. Systems and Control: Foundations and Applications, 2017, , 155-212.	0.3	0
782	Application to the Chemostat. Systems and Control: Foundations and Applications, 2017, , 213-226.	0.3	0
783	Control of Two-Phase Stefan Problem via Single Boundary Heat Input. , 2018, , .		0
784	Compensation of Transport Actuator Dynamics with Input-Dependent Moving Controlled Boundary. , 2018, , .		0
785	Control of Nonlinear Systems with Actuator Dynamics Governed by Quasilinear First-Order Hyperbolic PDEs. , 2018, , .		0
786	Parabolic PDE-PDE Loops. Communications and Control Engineering, 2019, , 235-261.	1.6	0
787	ISS in Spatial Lp Norms for Hyperbolic PDEs. Communications and Control Engineering, 2019, , 39-56.	1.6	0
788	ISS in Spatial Lp Norms for Parabolic PDEs. Communications and Control Engineering, 2019, , 141-182.	1.6	0
789	Hyperbolic PDE-PDE Loops. Communications and Control Engineering, 2019, , 215-234.	1.6	0
790	Observer Design for a Coupled ODE-PDE System from a Wellbore Reservoir Drilling Model. , 2019, , .		0
791	Prescribed-time stabilization of the linearized Schrödinger equation. , 2020, , .		0
792	Control of Nonlinear Systems with Delays. , 2021, , 357-361.		0

#	ARTICLE	IF	CITATIONS
793	Input-to-State Stability for PDEs. , 2021, , 1030-1033.		0
794	Extremum Seeking Control. , 2021, , 753-757.		0
795	Backstepping for PDEs. , 2021, , 129-132.		0
796	Stability Analysis using Generalized Sup-Delay Inequalities. , 2021, , .		0
797	Delay-Adaptive Observer-Based Control for Linear Systems with Unknown Input Delays. Lecture Notes in Control and Information Sciences, 2022, , 189-216.	1.0	0
798	Global Boundary Stabilization of 2D Poiseuille Flow. Lecture Notes in Control and Information Sciences, 2006, , 157-172.	1.0	0
799	A closed-form feedback controller for stabilization of magnetohydrodynamic channel flow. , 2007, , .		0
800	Backstepping Controllers for Stabilization of Turbulent Flow PDEs. Automation and Control Engineering, 2007, , 439-460.	0.1	0
801	Gain Scheduling-Inspired Control for Nonlinear Partial Differential Equations. , 2009, , .		0
802	Compensation of Input Delay for Linear, Nonlinear, Adaptive, and PDE Systems. Lecture Notes in Control and Information Sciences, 2010, , 161-178.	1.0	0
803	Stochastic Averaging for Practical Stability. Communications and Control Engineering, 2012, , 57-78.	1.6	0
804	Introduction to Averaging. Communications and Control Engineering, 2012, , 1-10.	1.6	0
805	Multi-parameter Stochastic Extremum Seeking and Slope Seeking. Communications and Control Engineering, 2012, , 129-146.	1.6	0
806	Stochastic Nash Equilibrium Seeking for Games with General Nonlinear Payoffs. Communications and Control Engineering, 2012, , 147-159.	1.6	0
807	Nash Equilibrium Seeking for Quadratic Games and Applications to Oligopoly Markets and Vehicle Deployment. Communications and Control Engineering, 2012, , 161-179.	1.6	0
808	Predictor Feedback: Time-Varying, Adaptive, and Nonlinear. Lecture Notes in Control and Information Sciences, 2012, , 291-306.	1.0	0
809	Stochastic Source Seeking for Nonholonomic Vehicles. Communications and Control Engineering, 2012, , 95-119.	1.6	0
810	Implantable Loop Recorder – A Good Opportunity to Diagnose Unexplained Syncope. Acta Facultatis Medicae Naissensis, 2016, 33, 63-68.	0.4	0

#	ARTICLE	IF	CITATIONS
811	General Choice of ES Dithers. Springer Briefs in Electrical and Computer Engineering, 2017, , 91-99.	0.5	0
812	Control Affine Systems. Springer Briefs in Electrical and Computer Engineering, 2017, , 31-54.	0.5	0
813	Application Study: Particle Accelerator Tuning. Springer Briefs in Electrical and Computer Engineering, 2017, , 101-115.	0.5	0
814	Non-C $\mathbb{R}^2$ ES. Springer Briefs in Electrical and Computer Engineering, 2017, , 55-63.	0.5	0
815	Extremum Seeking for Stabilization of Systems Not Affine in Control. Springer Briefs in Electrical and Computer Engineering, 2017, , 75-89.	0.5	0
816	Sampled-Data Stabilization of Nonlinear Delay Systems with a Compact Absorbing Set and State Measurement. Advances in Delays and Dynamics, 2017, , 1-16.	0.4	0
817	Input-to-State Stability for PDEs. , 2020, , 1-4.		0
818	Backstepping for PDEs. , 2020, , 1-4.		0
819	Fixed-Time Estimators of Derivatives of Unknown Maps. IFAC-PapersOnLine, 2020, 53, 1530-1535.	0.9	0
820	State Feedback Control Design for Stefan System. Systems and Control: Foundations and Applications, 2020, , 17-58.	0.3	0
821	Two-Phase Stefan Problem. Systems and Control: Foundations and Applications, 2020, , 139-157.	0.3	0
822	State Estimator Design for Stefan System. Systems and Control: Foundations and Applications, 2020, , 59-92.	0.3	0
823	Analysis of Predictor Feedback for Time-Varying Delays that may Assume Zero Value. , 2020, , .		0
824	Suppression of Oscillations in Two-Class Traffic by Full-State Feedback. IFAC-PapersOnLine, 2020, 53, 7515-7520.	0.9	0
825	Prescribed-Time Mean-Square Nonlinear Stochastic Stabilization. IFAC-PapersOnLine, 2020, 53, 2195-2200.	0.9	0
826	Observer of Coupled Hyperbolic PDEs for Deep-sea Construction Vessel Vibrations. IFAC-PapersOnLine, 2020, 53, 7641-7646.	0.9	0
827	Polymer 3D-Printing via Screw Extrusion. Systems and Control: Foundations and Applications, 2020, , 221-245.	0.3	0
828	Delayed Newton-Based Multivariable Extremum Seeking with Sequential Predictors. IFAC-PapersOnLine, 2020, 53, 5381-5385.	0.9	0

#	ARTICLE	IF	CITATIONS
829	Extended Models and Design. <i>Systems and Control: Foundations and Applications</i> , 2020, , 93-138.	0.3	0
830	Experimental Study with Paraffin Melting. <i>Systems and Control: Foundations and Applications</i> , 2020, , 271-297.	0.3	0
831	Adaptive Control of Coupled Hyperbolic PDEs with Piecewise-Constant Inputs and Identification. , 2021, , .		0
832	Nash Equilibrium Seeking in Heterogeneous Noncooperative Games with Players Acting Through Heat PDE Dynamics and Delays. , 2021, , .		0
833	Sliding Mode Control for Stabilization and Disturbance Rejection of Uncertain Systems with Output Delays via Predictor and Super-Twisting Observer. , 2021, , .		0
834	Stability of extremum seeking control for a class of discrete-time systems. , 0, , .		0
835	Anti-windup Augmentation for Plasma Vertical Stabilization in the DIII-D Tokamak. , 2007, , 1-30.		0
836	Low-Gain Compensation for PDE–ODE Cascade Systems With Distributed Diffusion and Counter Convection. <i>IEEE Transactions on Automatic Control</i> , 2023, 68, 2360-2367.	5.7	0