

Miroslav Krstic

List of Publications by Year in descending order

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836
papers

33,177
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3726

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872
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872
times ranked

7155
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Control of Hyperbolic PDEs Coupled With a Disturbed and Highly Uncertain ODE. IEEE Transactions on Automatic Control, 2023, 68, 108-123.	3.6	3
2	Prescribed-Time Output-Feedback Control of Stochastic Nonlinear Systems. IEEE Transactions on Automatic Control, 2023, 68, 1431-1446.	3.6	56
3	Fixed-Time Nash Equilibrium Seeking in Time-Varying Networks. IEEE Transactions on Automatic Control, 2023, 68, 1954-1969.	3.6	8
4	Low-Gain Compensation for PDE-ODE Cascade Systems With Distributed Diffusion and Counter Convection. IEEE Transactions on Automatic Control, 2023, 68, 2360-2367.	3.6	0
5	Delay-Compensated Distributed PDE Control of Traffic With Connected/Automated Vehicles. IEEE Transactions on Automatic Control, 2023, 68, 2229-2244.	3.6	7
6	Stochastic Nonlinear Prescribed-Time Stabilization and Inverse Optimality. IEEE Transactions on Automatic Control, 2022, 67, 1179-1193.	3.6	92
7	Folding Bilateral Backstepping Output-Feedback Control Design for an Unstable Parabolic PDE. IEEE Transactions on Automatic Control, 2022, 67, 2389-2404.	3.6	4
8	Predictor feedback and integrator backstepping of linear systems with distributed unbounded delays. International Journal of Robust and Nonlinear Control, 2022, 32, 3281-3291.	2.1	5
9	Control of the Stefan System and Applications: A Tutorial. Annual Review of Control, Robotics, and Autonomous Systems, 2022, 5, 547-577.	7.5	4
10	Delay-Adaptive Observer-Based Control for Linear Systems with Unknown Input Delays. Lecture Notes in Control and Information Sciences, 2022, , 189-216.	0.6	0
11	Vector Extensions of Halanay's Inequality. IEEE Transactions on Automatic Control, 2022, 67, 1453-1459.	3.6	8
12	Event-Triggered Output-Feedback Backstepping Control of Sandwich Hyperbolic PDE Systems. IEEE Transactions on Automatic Control, 2022, 67, 220-235.	3.6	26
13	Reinforcement Learning Versus PDE Backstepping and PI Control for Congested Freeway Traffic. IEEE Transactions on Control Systems Technology, 2022, 30, 1595-1611.	3.2	10
14	Stability analysis and predictor feedback control for systems with unbounded delays. Automatica, 2022, 135, 109958.	3.0	7
15	Sensor delay-compensated prescribed-time observer for LTI systems. Automatica, 2022, 135, 110005.	3.0	15
16	Simultaneous downstream and upstream output-feedback stabilization of cascaded freeway traffic. Automatica, 2022, 136, 110044.	3.0	10
17	Delay-compensated event-triggered boundary control of hyperbolic PDEs for deep-sea construction. Automatica, 2022, 138, 110137.	3.0	15
18	Delay-Adaptive Control of a 7-DOF Robot Manipulator: Design and Experiments. IEEE Transactions on Control Systems Technology, 2022, 30, 2506-2521.	3.2	10

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19	Spill-Free Transfer and Stabilization of Viscous Liquid. IEEE Transactions on Automatic Control, 2022, 67, 4585-4597.	3.6	9
20	Traffic flow control on cascaded roads by event-triggered output feedback. International Journal of Robust and Nonlinear Control, 2022, 32, 5919-5949.	2.1	3
21	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.	4.4	8
22	Global Stabilization of Compressible Flow between Two Moving Pistons. SIAM Journal on Control and Optimization, 2022, 60, 1117-1142.	1.1	10
23	Comments on "Design of Controllers with Arbitrary Convergence Time". Automatica, 2022, 142, 110429.	3.0	1
24	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, .	0.9	4
25	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.	2.3	8
26	Boundary-to-Displacement asymptotic gains for wave systems with Kelvin-Voigt damping. International Journal of Control, 2021, 94, 2822-2833.	1.2	5
27	Hardware-in-the-Loop Multiobjective Extremum-Seeking Control of Mineral Grinding. IEEE Transactions on Control Systems Technology, 2021, 29, 961-971.	3.2	9
28	Stability Analysis for Time-Varying Systems With Asynchronous Sampling Using Contractivity Approach. , 2021, 5, 49-54.		3
29	Adaptive output-feedback stabilization in prescribed time for nonlinear systems with unknown parameters coupled with unmeasured states. International Journal of Adaptive Control and Signal Processing, 2021, 35, 184-202.	2.3	38
30	Compensation of Spatially Varying Input Delay in Distributed Control of Reaction-Diffusion PDEs. IEEE Transactions on Automatic Control, 2021, 66, 4069-4083.	3.6	8
31	Output-Feedback Control of an Extended Class of Sandwiched Hyperbolic PDE-ODE Systems. IEEE Transactions on Automatic Control, 2021, 66, 2588-2603.	3.6	25
32	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.	2.3	6
33	Bilateral Boundary Control of Moving Shockwave in LWR Model of Congested Traffic. IEEE Transactions on Automatic Control, 2021, 66, 1429-1436.	3.6	26
34	Stochastic Adaptive Nonlinear Control With Filterless Least Squares. IEEE Transactions on Automatic Control, 2021, 66, 3893-3905.	3.6	51
35	Stability Analysis Using Generalized Sup-Delay Inequalities. , 2021, 5, 1411-1416.		3
36	Stability and observer designs using new variants of Halanay's inequality. Automatica, 2021, 123, 109299.	3.0	6

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37	Adaptive observer design for wave PDEs with nonlinear dynamics and parameter uncertainty. Automatica, 2021, 123, 109295.	3.0	14
38	Vibration Suppression for Coupled Wave PDEs in Deep-Sea Construction. IEEE Transactions on Control Systems Technology, 2021, 29, 1733-1749.	3.2	13
39	Energy Storage in Paraffin: A PDE Backstepping Experiment. IEEE Transactions on Control Systems Technology, 2021, 29, 1490-1502.	3.2	6
40	Nonsmooth Extremum Seeking Control With User-Prescribed Fixed-Time Convergence. IEEE Transactions on Automatic Control, 2021, 66, 6156-6163.	3.6	23
41	Control of Nonlinear Systems with Delays. , 2021, , 357-361.		0
42	Input-to-State Stability for PDEs. , 2021, , 1030-1033.		0
43	Event-Triggered Gain Scheduling of Reaction-Diffusion PDEs. SIAM Journal on Control and Optimization, 2021, 59, 2047-2067.	1.1	10
44	Stability Analysis using New Variant of Halanayâ€™s Inequality. IFAC-PapersOnLine, 2021, 54, 783-786.	0.5	1
45	Prescribed-Time Stabilization of ODEs with Diffusive Actuator Dynamics. IFAC-PapersOnLine, 2021, 54, 434-439.	0.5	6
46	Extremum Seeking Control. , 2021, , 753-757.		0
47	Backstepping for PDEs. , 2021, , 129-132.		0
48	Stop-and-go suppression in two-class congested traffic. Automatica, 2021, 125, 109381.	3.0	10
49	Output feedback control of two-lane traffic congestion. Automatica, 2021, 125, 109379.	3.0	11
50	Stability Analysis using Generalized Sup-Delay Inequalities. , 2021, , .		0
51	Experimental and Analytical Delay-Adaptive Control of a 7-DOF Robot Manipulator. , 2021, , .		3
52	Adaptive Regulation- Triggered Control of Hyperbolic PDEs by Batch Least-Squares. , 2021, , .		3
53	Towards implementation of PDE control for Stefan system: Input-to-state stability and sampled-data design. Automatica, 2021, 127, 109538.	3.0	15
54	Regulationâ€”Triggered adaptive control of a hyperbolic PDEâ€”ODE model with boundary interconnections. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1513-1543.	2.3	7

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55	Nash Equilibrium Seeking with Players Acting Through Heat PDE Dynamics. , 2021, , .		4
56	PDE Traffic Observer Validated on Freeway Data. IEEE Transactions on Control Systems Technology, 2021, 29, 1048-1060.	3.2	26
57	Editorial for the special issue on extremum seeking control: Theory and applications. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1140-1142.	2.3	1
58	Event-triggered boundary control of constant-parameter reactionâ€“diffusion PDEs: A small-gain approach. Automatica, 2021, 128, 109562.	3.0	50
59	Sequential predictors for delay-compensating feedback stabilization of bilinear systems with uncertainties. Systems and Control Letters, 2021, 152, 104933.	1.3	9
60	Robustness to delay mismatch in extremum seeking. European Journal of Control, 2021, 62, 75-83.	1.6	6
61	Multivariable extremum seeking with distinct delays using a one-stage sequential predictor. Automatica, 2021, 129, 109462.	3.0	7
62	Adaptive event-triggered PDE control for load-moving cable systems. Automatica, 2021, 129, 109637.	3.0	27
63	Extremum seeking boundary control for PDEâ€“PDE cascades. Systems and Control Letters, 2021, 155, 105004.	1.3	4
64	Adaptive Control of Aircraft in Icing Using Regulation-Triggered Batch Least-Squares Identifier. Journal of Guidance, Control, and Dynamics, 2021, 44, 1721-1731.	1.6	1
65	Robust Boundary Observer for Traffic State Estimation on One Incoming and Two Outgoing Roads. IFAC-PapersOnLine, 2021, 54, 384-389.	0.5	1
66	ISS estimates in the spatial sup-norm for nonlinear 1-D parabolic PDEs. ESAIM - Control, Optimisation and Calculus of Variations, 2021, 27, 57.	0.7	3
67	Mean-Nonovershooting Control of Stochastic Nonlinear Systems. IEEE Transactions on Automatic Control, 2021, 66, 5756-5771.	3.6	61
68	Extremum Seeking Feedback With Wave Partial Differential Equation Compensation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2021, 143, .	0.9	7
69	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, .	0.9	17
70	Extremum Seeking for Traffic Congestion Control With a Downstream Bottleneck. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2021, 143, .	0.9	20
71	Prescribed-Time Control of Stochastic Nonlinear Systems with Reduced Control Effort. Journal of Systems Science and Complexity, 2021, 34, 1782-1800.	1.6	11
72	Safety-Critical Control of Systems with Time-Varying Input Delay. IFAC-PapersOnLine, 2021, 54, 169-174.	0.5	6

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73	Adaptive Control of Coupled Hyperbolic PDEs with Piecewise-Constant Inputs and Identification. , 2021, , .		0
74	Neuron Growth Control by PDE Backstepping: Axon Length Regulation by Tubulin Flux Actuation in Soma. , 2021, , .		4
75	Fixed-Time Seeking and Tracking of Time-Varying Extrema. , 2021, , .		1
76	Nash Equilibrium Seeking in Heterogeneous Noncooperative Games with Players Acting Through Heat PDE Dynamics and Delays. , 2021, , .		0
77	Sliding Mode Control for Stabilization and Disturbance Rejection of Uncertain Systems with Output Delays via Predictor and Super-Twisting Observer. , 2021, , .		0
78	Robust adaptive prescribed-time stabilization via output feedback for uncertain nonlinear strict-feedback-like systems. European Journal of Control, 2020, 55, 14-23.	1.6	42
79	Equilibrium Solutions of Multiperiod Mean-Variance Portfolio Selection. IEEE Transactions on Automatic Control, 2020, 65, 1716-1723.	3.6	8
80	Adaptive Control by Regulation-Triggered Batch Least Squares. IEEE Transactions on Automatic Control, 2020, 65, 2842-2855.	3.6	22
81	Adaptive output-feedback control of torsional vibration in off-shore rotary oil drilling systems. Automatica, 2020, 111, 108640.	3.0	35
82	Stability results for the continuity equation. Systems and Control Letters, 2020, 135, 104594.	1.3	5
83	Boundary observers for coupled diffusionâ€“reaction systems with prescribed convergence rate. Systems and Control Letters, 2020, 135, 104586.	1.3	13
84	Arctic sea ice state estimation from thermodynamic PDE model. Automatica, 2020, 112, 108713.	3.0	22
85	Single-boundary control of the two-phase Stefan system. Systems and Control Letters, 2020, 135, 104573.	1.3	21
86	Delay-compensated control of sandwiched ODEâ€“PDEâ€“ODE hyperbolic systems for oil drilling and disaster relief. Automatica, 2020, 120, 109131.	3.0	28
87	Boundary prescribedâ€“time stabilization of a pair of coupled reactionâ€“diffusion equations. , 2020, , .		1
88	A Simplified Multivariable Gradient Extremum Seeking for Distinct Input Delays with Delay-Independent Convergence Rates. , 2020, , .		2
89	Prescribedâ€“time stabilization of the linearized SchrÃ¶dinger equation. , 2020, , .		0
90	Fixed-Time Gradient-Based Extremum Seeking. , 2020, , .		12

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91	Stabilization of a 2 nd -order system of hyperbolic PDEs with recirculation in the unactuated channel. Automatica, 2020, 120, 109147.	3.0	8
92	Event-triggered boundary control of constant-parameter reaction-diffusion PDEs: a small-gain approach. , 2020, , .		12
93	Materials Phase Change PDE Control & Estimation. Systems and Control: Foundations and Applications, 2020, , .	0.1	11
94	Nash Equilibrium Seeking in Quadratic Noncooperative Games Under Two Delayed Information-Sharing Schemes. Journal of Optimization Theory and Applications, 2020, , 1.	0.8	2
95	Boundary Control of Coupled Hyperbolic PDEs for Two-dimensional Vibration Suppression of a Deep-sea Construction Vessel. , 2020, , .		3
96	Simultaneous Stabilization of Traffic Flow on Two Connected Roads. , 2020, , .		6
97	Adaptive and Robust Predictors for Multi-input Linear Systems with Distributed Delays. SIAM Journal on Control and Optimization, 2020, 58, 3457-3485.	1.1	6
98	Regulator Design for a Congested Continuum Traffic Model with App-Routing Instability. , 2020, , .		1
99	Predictor Feedback for Uncertain Linear Systems With Distributed Input Delays. IEEE Transactions on Automatic Control, 2020, 65, 5344-5351.	3.6	19
100	Delay-adaptive control for linear systems with distributed input delays. Automatica, 2020, 116, 108902.	3.0	13
101	Prescribed-time estimation and output regulation of the linearized Schrödinger equation by backstepping. European Journal of Control, 2020, 55, 3-13.	1.6	38
102	Laser Sintering Control for Metal Additive Manufacturing by PDE Backstepping. IEEE Transactions on Control Systems Technology, 2020, 28, 1928-1939.	3.2	13
103	Adaptive-gain observer-based stabilization of stochastic strict-feedback systems with sensor uncertainty. Automatica, 2020, 120, 109112.	3.0	109
104	Multivariable Extremum Seeking for PDE Dynamic Systems. IEEE Transactions on Automatic Control, 2020, 65, 4949-4956.	3.6	23
105	A dynamic high-gain design for prescribed-time regulation of nonlinear systems. Automatica, 2020, 115, 108860.	3.0	116
106	Delay compensated control of the Stefan problem and robustness to delay mismatch. International Journal of Robust and Nonlinear Control, 2020, 30, 2304-2334.	2.1	22
107	Lithium-Ion Batteries. Systems and Control: Foundations and Applications, 2020, , 199-219.	0.1	1
108	Lateral Vibration Suppression of a Disturbed Mining Cable Elevator with Flexible Guideways. , 2020, , .		6

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109	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, .	0.9	14
110	Input-to-State Stability for PDEs. , 2020, , 1-4.		0
111	Backstepping for PDEs. , 2020, , 1-4.		0
112	Extremum Seeking Control. , 2020, , 1-5.		1
113	Event-triggered Backstepping Control of 2 \ddot{A} – 2 Hyperbolic PDE-ODE Systems. IFAC-PapersOnLine, 2020, 53, 7551-7556.	0.5	2
114	Fixed-Time Estimators of Derivatives of Unknown Maps. IFAC-PapersOnLine, 2020, 53, 1530-1535.	0.5	0
115	State Feedback Control Design for Stefan System. Systems and Control: Foundations and Applications, 2020, , 17-58.	0.1	0
116	Two-Phase Stefan Problem. Systems and Control: Foundations and Applications, 2020, , 139-157.	0.1	0
117	State Estimator Design for Stefan System. Systems and Control: Foundations and Applications, 2020, , 59-92.	0.1	0
118	Analysis of Predictor Feedback for Time-Varying Delays that may Assume Zero Value. , 2020, , .		0
119	Suppression of Oscillations in Two-Class Traffic by Full-State Feedback. IFAC-PapersOnLine, 2020, 53, 7515-7520.	0.5	0
120	Event-triggered Varying Speed Limit Control of Stop-and-go Traffic. IFAC-PapersOnLine, 2020, 53, 7509-7514.	0.5	5
121	Extremum Seeking Under Distributed Input Delay. IFAC-PapersOnLine, 2020, 53, 5423-5428.	0.5	4
122	Prescribed-Time Mean-Square Nonlinear Stochastic Stabilization. IFAC-PapersOnLine, 2020, 53, 2195-2200.	0.5	0
123	Acceleration-Actuated Source Seeking Without Position and Velocity Sensing. IFAC-PapersOnLine, 2020, 53, 5348-5355.	0.5	8
124	Control of An Unstable Reaction-Diffusion PDE with Spatially-Varying Input Delay. IFAC-PapersOnLine, 2020, 53, 7599-7604.	0.5	1
125	Sea Ice. Systems and Control: Foundations and Applications, 2020, , 179-198.	0.1	1
126	Observer of Coupled Hyperbolic PDEs for Deep-sea Construction Vessel Vibrations. IFAC-PapersOnLine, 2020, 53, 7641-7646.	0.5	0

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127	Inverse Optimality for Extremum Seeking Feedback under Delays. IFAC-PapersOnLine, 2020, 53, 5405-5410.	0.5	2
128	Polymer 3D-Printing via Screw Extrusion. Systems and Control: Foundations and Applications, 2020, , 221-245.	0.1	0
129	Filterless Least-Squares Based Adaptive Stochastic Continuous-Time Nonlinear Control. IFAC-PapersOnLine, 2020, 53, 2171-2176.	0.5	1
130	Delayed Newton-Based Multivariable Extremum Seeking with Sequential Predictors. IFAC-PapersOnLine, 2020, 53, 5381-5385.	0.5	0
131	Extended Models and Design. Systems and Control: Foundations and Applications, 2020, , 93-138.	0.1	0
132	Experimental Study with Paraffin Melting. Systems and Control: Foundations and Applications, 2020, , 271-297.	0.1	0
133	Output Feedback Control of Radially-Dependent Reaction-Diffusion PDEs on Balls of Arbitrary Dimensions. IFAC-PapersOnLine, 2020, 53, 7635-7640.	0.5	2
134	Prescribed-time tracking for triangular systems of reaction-diffusion PDEs. IFAC-PapersOnLine, 2020, 53, 7629-7634.	0.5	5
135	Output-Feedback PDE Control of Traffic Flow on Cascaded Freeway Segments. IFAC-PapersOnLine, 2020, 53, 7623-7628.	0.5	2
136	Delayed Multivariable Extremum Seeking with Sequential Predictors. , 2020, , .		2
137	Constrained Control of Input Delayed Systems With Partially Compensated Input Delays. , 2020, , .		11
138	Input-to-State Stability for PDEs. Communications and Control Engineering, 2019, , .	1.0	71
139	Parabolic PDE-PDE Loops. Communications and Control Engineering, 2019, , 235-261.	1.0	0
140	ISS in Spatial Lp Norms for Hyperbolic PDEs. Communications and Control Engineering, 2019, , 39-56.	1.0	0
141	Existence/Uniqueness Results for Parabolic PDEs. Communications and Control Engineering, 2019, , 61-92.	1.0	1
142	ISS in Spatial L2 and H1 Norms. Communications and Control Engineering, 2019, , 93-140.	1.0	1
143	ISS in Spatial Lp Norms for Parabolic PDEs. Communications and Control Engineering, 2019, , 141-182.	1.0	0
144	Fading Memory Input-to-State Stability. Communications and Control Engineering, 2019, , 185-191.	1.0	5

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145	Hyperbolic PDE-PDE Loops. Communications and Control Engineering, 2019, , 215-234.	1.0	0
146	Stochastic Extremum Seeking for Dynamic Maps With Delays. , 2019, 3, 61-66.		13
147	Wave Equations With Kelvin-Voigt Damping and Boundary Disturbance: A Study of the Asymptotic Gain Properties. , 2019, , .		2
148	Feedback linearization based predictor for time delay control of a high-DOF robot manipulator. Automatica, 2019, 108, 108485.	3.0	41
149	Numerical optimization based on generalized extremum seeking for fast methane production by a modified ADM1. Journal of Process Control, 2019, 84, 56-69.	1.7	7
150	Stabilization of reactionâ€“diffusions PDE with delayed distributed actuation. Systems and Control Letters, 2019, 133, 104558.	1.3	22
151	Folding Backstepping Approach to Parabolic PDE Bilateral Boundary Control. IFAC-PapersOnLine, 2019, 52, 76-81.	0.5	10
152	Constrained Stabilization of Multi-Input Linear Systems with Distinct Input Delays. IFAC-PapersOnLine, 2019, 52, 82-87.	0.5	6
153	Boundary Observer for Congested Freeway Traffic State Estimation via Aw-Rascle-Zhang model. IFAC-PapersOnLine, 2019, 52, 183-188.	0.5	9
154	Prescribed-time H^1 -stabilization of reaction-diffusion equations by means of output feedback. , 2019, , .		30
155	Robust adaptive regulation of dynamically positioned ships with unknown dynamics and unknown disturbances. International Journal of Adaptive Control and Signal Processing, 2019, 33, 545-556.	2.3	7
156	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.	1.1	23
157	Prescribed-time output feedback for linear systems in controllable canonical form. Automatica, 2019, 107, 77-85.	3.0	88
158	Boundary Exponential Stabilization of 1-Dimensional Inhomogeneous Quasi-Linear Hyperbolic Systems. SIAM Journal on Control and Optimization, 2019, 57, 963-998.	1.1	46
159	Observation and stabilization of LTV systems with time-varying measurement delay. Automatica, 2019, 103, 573-579.	3.0	32
160	Input-to-state stability and inverse optimality of predictor feedback for multi-input linear systems. Automatica, 2019, 103, 549-557.	3.0	27
161	Output Feedback Boundary Control of a Heat PDE Sandwiched Between Two ODEs. IEEE Transactions on Automatic Control, 2019, 64, 4653-4660.	3.6	41
162	Adaptive boundary control of constant-parameter reactionâ€“diffusion PDEs using regulation-triggered finite-time identification. Automatica, 2019, 103, 166-179.	3.0	38

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163	Monotonicity Methods for Input-to-State Stability of Nonlinear Parabolic PDEs with Boundary Disturbances. SIAM Journal on Control and Optimization, 2019, 57, 510-532.	1.1	53
164	Mixed Equilibrium Solution of Time-Inconsistent Stochastic Linear-Quadratic Problem. SIAM Journal on Control and Optimization, 2019, 57, 533-569.	1.1	12
165	Extremum seeking for real-time optimal drilling control. , 2019, , .		13
166	Stabilization of a 2-D reaction-diffusion equation with a coupled PDE evolving on its boundary. , 2019, , .		4
167	Observer Design for a Coupled ODE-PDE System from a Wellbore Reservoir Drilling Model. , 2019, , .		0
168	Laser Sintering Control for Metal Additive Manufacturing by PDE Backstepping. , 2019, , .		1
169	Compensation of Wave PDEs in Actuator Dynamics for Extremum Seeking Feedback. IFAC-PapersOnLine, 2019, 52, 134-139.	0.5	4
170	Extremum Seeking for Maximizing Higher Derivatives of Unknown Maps in Cascade with Reaction-Advection-Diffusion PDEs. IFAC-PapersOnLine, 2019, 52, 210-215.	0.5	5
171	Global Stabilization of a Class of Nonlinear Reaction-Diffusion Partial Differential Equations by Boundary Feedback. SIAM Journal on Control and Optimization, 2019, 57, 3723-3748.	1.1	12
172	Bilateral Boundary Control of Moving Traffic Shockwave. IFAC-PapersOnLine, 2019, 52, 48-53.	0.5	8
173	Population Pharmacokinetic Analysis of Bisoprolol in Patients With Acute Coronary Syndrome. Journal of Cardiovascular Pharmacology, 2019, 73, 136-142.	0.8	5
174	Delay robust control design of under-actuated PDE-ODE-PDE systems. , 2019, , .		4
175	Prescribed-time stabilization of reaction-diffusion equation by output feedback. , 2019, , .		5
176	Backstepping Boundary Control of a 1-D 2 nd -Order Unstable Diffusion-Reaction PDE System with Distinct Input Delays. , 2019, , .		1
177	Robust Compensation of Delay and Diffusive Actuator Dynamics Without Distributed Feedback. IEEE Transactions on Automatic Control, 2019, 64, 3663-3675.	3.6	9
178	Prescribed-Time Observers for Linear Systems in Observer Canonical Form. IEEE Transactions on Automatic Control, 2019, 64, 3905-3912.	3.6	121
179	Traffic congestion control for Aw-Rascle-Zhang model. Automatica, 2019, 100, 38-51.	3.0	92
180	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.	1.3	13

#	ARTICLE	IF	CITATIONS
181	Sampled boundary observer for strict-feedback nonlinear ODE systems with parabolic PDE sensor. <i>Automatica</i> , 2019, 101, 439-449.	3.0	15
182	Adaptive Leader Following in Networks of Discrete-Time Dynamical Systems: Algorithms and Global Convergence Analysis. <i>IEEE Transactions on Control of Network Systems</i> , 2019, 6, 324-337.	2.4	3
183	Prescribed-Time Consensus and Containment Control of Networked Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 1138-1147.	6.2	274
184	Time-varying feedback for stabilization in prescribed finite time. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 618-633.	2.1	145
185	Boundary control and estimation of reaction-diffusion equations on the sphere under revolution symmetry conditions. <i>International Journal of Control</i> , 2019, 92, 2-11.	1.2	19
186	Control of systems on spatial domains with moving boundaries: 3D printing and traffic. <i>Facta Universitatis - Series Electronics and Energetics</i> , 2019, 32, 503-512.	0.6	1
187	Adaptive Certainty-Equivalence Control With Regulation-Triggered Finite-Time Least-Squares Identification. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 3261-3275.	3.6	43
188	Boundary Feedback Stabilization of a Class of Coupled Hyperbolic Equations With Nonlocal Terms. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 2633-2640.	3.6	27
189	Maximizing Map Sensitivity and Higher Derivatives Via Extremum Seeking. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 3232-3247.	3.6	16
190	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.	3.6	39
191	Dynamic positioning of ships with unknown parameters and disturbances. <i>Control Engineering Practice</i> , 2018, 76, 22-30.	3.2	78
192	Compensation of Transport Actuator Dynamics With Input-Dependent Moving Controlled Boundary. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 3889-3896.	3.6	13
193	Stabilization of coupled linear heterodirectional hyperbolic PDE-ODE systems. <i>Automatica</i> , 2018, 87, 281-289.	3.0	104
194	Extremum seeking-based perfect adaptive tracking of non-PE references despite nonvanishing variance of perturbation. <i>Automatica</i> , 2018, 93, 189-196.	3.0	2
195	Compensation of actuator dynamics governed by quasilinear hyperbolic PDEs. <i>Automatica</i> , 2018, 92, 29-40.	3.0	32
196	Distributed predictor-based stabilization of continuous interconnected systems with input delays. <i>Automatica</i> , 2018, 91, 69-78.	3.0	23
197	Distributed adaptive consensus and synchronization in complex networks of dynamical systems. <i>Automatica</i> , 2018, 91, 233-243.	3.0	38
198	Deterministic and Stochastic Newton-based extremum seeking for higher derivatives of unknown maps with delays. <i>European Journal of Control</i> , 2018, 41, 72-83.	1.6	13

#	ARTICLE	IF	CITATIONS
199	Improved Synchronverters with Bounded Frequency and Voltage for Smart Grid Integration. IEEE Transactions on Smart Grid, 2018, 9, 786-796.	6.2	111
200	Input-to-State Stability and Inverse Optimality of Linear Time-Varying-Delay Predictor Feedbacks. IEEE Transactions on Automatic Control, 2018, 63, 233-240.	3.6	37
201	Sampled-data boundary feedback control of 1-D parabolic PDEs. Automatica, 2018, 87, 226-237.	3.0	98
202	Decay estimates for 1-D parabolic PDES with boundary disturbances. ESAIM - Control, Optimisation and Calculus of Variations, 2018, 24, 1511-1540.	0.7	6
203	Traffic Congestion Control on Two-lane Aw-Rascle-Zhang Model. , 2018, , .		4
204	Scalar Newton-based Extremum Seeking for a Class of Diffusion PDEs. , 2018, , .		4
205	Control of Piston Position in Inviscid Gas by Bilateral Boundary Actuation. , 2018, , .		7
206	Stabilization of Reaction-Diffusion PDE Distributed Actuation and Input Delay. , 2018, , .		6
207	Control of Two-Phase Stefan Problem via Single Boundary Heat Input. , 2018, , .		0
208	Boundary Observers for the Expected Value of a Randomly Switching Reaction-Diffusion PDE. , 2018, , .		1
209	Analytical and Experimental Predictor-Based Time Delay Control of Baxter Robot. , 2018, , .		5
210	Stabilization of Traffic Flow With a Leading Autonomous Vehicle. , 2018, , .		9
211	Compensation of Transport Actuator Dynamics with Input-Dependent Moving Controlled Boundary. , 2018, , .		0
212	Control of Nonlinear Systems with Actuator Dynamics Governed by Quasilinear First-Order Hyperbolic PDEs. , 2018, , .		0
213	Safety Verification Using Barrier Certificates with Application to Double Integrator with Input Saturation and Zero-Order Hold. , 2018, , .		12
214	Varying Speed Limit Control of Aw-Rascle-Zhang Traffic Model. , 2018, , .		11
215	Traffic Congestion Control on Aw-Rascle-Zhang Model: Full-State Feedback. , 2018, , .		4
216	Multivariable Extremum Seeking for Joint-Space Trajectory Optimization of a High-Degrees-of-Freedom Robot. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	18

#	ARTICLE	IF	CITATIONS
217	Balancing and suppression of oscillations of tension and cage in dual-cable mining elevators. <i>Automatica</i> , 2018, 98, 223-238.	3.0	34
218	Joint-Space Trajectory Optimization of a 7-DOF Baxter Using Multivariable Extremum Seeking. , 2018, , .		6
219	Control of a 2×2 coupled linear hyperbolic system sandwiched between 2 ODEs. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 3987-4016.	2.1	37
220	Gradient extremum seeking for static maps with actuation dynamics governed by diffusion PDEs. <i>Automatica</i> , 2018, 95, 197-206.	3.0	37
221	Time-Inconsistent Mean-Field Stochastic LQ Problem: Open-Loop Time-Consistent Control. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 2771-2786.	3.6	19
222	Adaptive error feedback regulation problem for 1D wave equation. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 4309-4329.	2.1	39
223	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, .	0.9	43
224	Adaptive global stabilization of uncertain multi-input linear time-delay systems by PDE full-state feedback. <i>Automatica</i> , 2018, 96, 270-279.	3.0	33
225	Yield trajectory tracking for hyperbolic age-structured population systems. <i>Automatica</i> , 2018, 90, 138-146.	3.0	10
226	Compensation of a Class of Infinite-Dimensional Actuator Dynamics without Distributed Feedback. , 2018, , .		1
227	Input-to-State Stability for the Control of Stefan Problem with Respect to Heat Loss at the Interface. , 2018, , .		10
228	Robustness of Boundary Observers for Radial Diffusion Equations to Parameter Uncertainty. , 2018, , .		5
229	Gradient Extremum Seeking with Time-Varying Delays. , 2018, , .		3
230	Thermodynamic Modeling and Control of Screw Extruder for 3D Printing. , 2018, , .		4
231	Adaptive Output Feedback for Aw-Rasclé-Zhang Traffic Model in Congested Regime. , 2018, , .		1
232	Exponential regulation of the anti-collocatedly disturbed cage in a wave PDE-modeled ascending cable elevator. <i>Automatica</i> , 2018, 95, 122-136.	3.0	41
233	Control and State Estimation of the One-Phase Stefan Problem via Backstepping Design. <i>IEEE Transactions on Automatic Control</i> , 2018, , 1-1.	3.6	18
234	Small-gain stability analysis of certain hyperbolic-parabolic PDE loops. <i>Systems and Control Letters</i> , 2018, 118, 52-61.	1.3	17

#	ARTICLE	IF	CITATIONS
235	Adaptive Output Feedback Control for Uncertain Linear Time-Delay Systems. IEEE Transactions on Automatic Control, 2017, 62, 545-560.	3.6	49
236	Predictor-Feedback Stabilization of Multi-Input Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 516-531.	3.6	66
237	Extremum Seeking for Static Maps With Delays. IEEE Transactions on Automatic Control, 2017, 62, 1911-1926.	3.6	100
238	Battery State Estimation for a Single Particle Model With Electrolyte Dynamics. IEEE Transactions on Control Systems Technology, 2017, 25, 453-468.	3.2	229
239	Exponential Stability Analysis of Sampled-Data ODE/PDE Systems and Application to Observer Design. IEEE Transactions on Automatic Control, 2017, 62, 3091-3098.	3.6	30
240	Adaptive rejection of harmonic disturbance anticollocated with control in 1D wave equation. Automatica, 2017, 79, 17-26.	3.0	43
241	Predictor Feedback for Delay Systems: Implementations and Approximations. Systems and Control: Foundations and Applications, 2017, , .	0.1	51
242	Adaptive observer design with heat PDE sensor. Automatica, 2017, 82, 93-100.	3.0	18
243	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.	2.1	14
244	Global Dynamical Solvers for Nonlinear Programming Problems. SIAM Journal on Control and Optimization, 2017, 55, 1302-1331.	1.1	3
245	Extremum seeking for dynamic maps using Lie brackets and singular perturbations. Automatica, 2017, 83, 91-99.	3.0	35
246	Control of Transport PDE/Nonlinear ODE Cascades With State-Dependent Propagation Speed. IEEE Transactions on Automatic Control, 2017, 62, 6278-6293.	3.6	30
247	ISS In Different Norms For 1-D Parabolic Pdes With Boundary Disturbances. SIAM Journal on Control and Optimization, 2017, 55, 1716-1751.	1.1	70
248	An ODE Observer for Lyapunov-Based Global Stabilization of a Bioreactor Nonlinear PDE. Lecture Notes in Control and Information Sciences, 2017, , 101-124.	0.6	0
249	Boundary Stabilization of Wave Equation With Velocity Recirculation. IEEE Transactions on Automatic Control, 2017, 62, 4760-4767.	3.6	42
250	Estimation of boundary parameters in general heterodirectional linear hyperbolic systems. Automatica, 2017, 79, 185-197.	3.0	28
251	Overshoot-free nonholonomic source seeking in 3D. International Journal of Adaptive Control and Signal Processing, 2017, 31, 1285-1295.	2.3	4
252	Preview of Predictor Feedback and Delay Compensation. Systems and Control: Foundations and Applications, 2017, , 1-16.	0.1	0

#	ARTICLE	IF	CITATIONS
253	Linear Systems with State Measurement. Systems and Control: Foundations and Applications, 2017, , 19-58.	0.1	0
254	Linear Systems with Output Measurement. Systems and Control: Foundations and Applications, 2017, , 59-82.	0.1	0
255	Nonlinear Systems with State Measurement. Systems and Control: Foundations and Applications, 2017, , 85-153.	0.1	0
256	Nonlinear Systems with Output Measurement. Systems and Control: Foundations and Applications, 2017, , 155-212.	0.1	0
257	Application to the Chemostat. Systems and Control: Foundations and Applications, 2017, , 213-226.	0.1	0
258	Model-Free Stabilization by Extremum Seeking. Springer Briefs in Electrical and Computer Engineering, 2017, , .	0.3	34
259	Backstepping stabilization of the linearized Saint-Venantâ€™Exner model. Automatica, 2017, 76, 345-354.	3.0	36
260	Control of Thermal Power Plant Combustion Distribution Using Extremum Seeking. IEEE Transactions on Control Systems Technology, 2017, 25, 1670-1682.	3.2	33
261	Collectively Rotating Formation and Containment Deployment of Multiagent Systems: A Polar Coordinate-Based Finite Time Approach. IEEE Transactions on Cybernetics, 2017, 47, 2161-2172.	6.2	33
262	Control of shallow waves of two unmixed fluids by backstepping. Annual Reviews in Control, 2017, 44, 211-225.	4.4	10
263	Compensation of input delay that depends on delayed input. Automatica, 2017, 85, 362-373.	3.0	18
264	Stochastic source seeking with forward and angular velocity regulation. Automatica, 2017, 83, 378-386.	3.0	17
265	Adaptive output feedback for hyperbolic PDE pairs with non-local coupling. , 2017, , .		19
266	Boundary observer design for coupled reaction-diffusion systems with spatially-varying reaction. , 2017, , .		10
267	Observer design for triangular nonlinear systems in the presence of arbitrarily large output delay - a PDE based approach. , 2017, , .		2
268	Compensation of input delay that depends on delayed input. , 2017, , .		4
269	Sampled-data boundary feedback control of 1-D linear transport PDEs with non-local terms. Systems and Control Letters, 2017, 107, 68-75.	1.3	43
270	State Estimation for Lithium Ion Batteries With Phase Transition Materials. , 2017, , .		9

#	ARTICLE	IF	CITATIONS
271	Arctic sea ice temperature profile estimation via backstepping observer design. , 2017, , .		4
272	Stabilization of an underactuated coupled transport-wave PDE system. , 2017, , .		8
273	Backstepping control of the Stefan problem with flowing liquid. , 2017, , .		4
274	On the applicability of PID control to nonlinear second-order systems. National Science Review, 2017, 4, 668-668.	4.6	18
275	Time-varying feedback for regulation of normal-form nonlinear systems in prescribed finite time. Automatica, 2017, 83, 243-251.	3.0	467
276	State-of-Charge estimation from a thermalâ€™electrochemical model of lithium-ion batteries. Automatica, 2017, 83, 206-219.	3.0	47
277	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.	3.6	15
278	Overshoot-Free Steering-Based Source Seeking. IEEE Transactions on Control Systems Technology, 2017, 25, 818-827.	3.2	7
279	Adaptive Control With Exponential Regulation in the Absence of Persistent Excitation. IEEE Transactions on Automatic Control, 2017, 62, 2589-2596.	3.6	74
280	Adaptive Control via Extremum Seeking: Global Stabilization and Consistency of Parameter Estimates. IEEE Transactions on Automatic Control, 2017, 62, 2350-2359.	3.6	12
281	Boundary Control of Coupled Reaction-Advection-Diffusion Systems With Spatially-Varying Coefficients. IEEE Transactions on Automatic Control, 2017, 62, 2026-2033.	3.6	73
282	Backstepping control design for a coupled hyperbolic-parabolic mixed class PDE system. , 2017, , .		6
283	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.	0.5	3
284	Stability of Sampled-Data PDE-ODE Systems and Application to Observer Design and Output-Feedback Stabilization. IFAC-PapersOnLine, 2017, 50, 13289-13294.	0.5	3
285	Control of District Heating System with Flow-dependent Delays. IFAC-PapersOnLine, 2017, 50, 13612-13617.	0.5	7
286	Adaptive output feedback control of flow-induced vibrations of a membrane at high mach numbers. , 2017, , .		1
287	Prescribed finite time consensus of networked multi-agent systems. , 2017, , .		9
288	Delay compensated control of the Stefan problem. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
289	Stability of integral delay equations and stabilization of age-structured models. ESAIM - Control, Optimisation and Calculus of Variations, 2017, 23, 1667-1714.	0.7	26
290	General Choice of ES Dithers. Springer Briefs in Electrical and Computer Engineering, 2017, , 91-99.	0.3	0
291	Control Affine Systems. Springer Briefs in Electrical and Computer Engineering, 2017, , 31-54.	0.3	0
292	Application Study: Particle Accelerator Tuning. Springer Briefs in Electrical and Computer Engineering, 2017, , 101-115.	0.3	0
293	Non-C \mathbb{R}^2 ES. Springer Briefs in Electrical and Computer Engineering, 2017, , 55-63.	0.3	0
294	Extremum Seeking for Stabilization of Systems Not Affine in Control. Springer Briefs in Electrical and Computer Engineering, 2017, , 75-89.	0.3	0
295	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
296	Predictor Feedback for Extremum Seeking with Delays. Advances in Delays and Dynamics, 2017, , 217-234.	0.4	1
297	Compensation of time-varying input delay for discrete-time nonlinear systems. International Journal of Robust and Nonlinear Control, 2016, 26, 1755-1776.	2.1	25
298	Maximizing higher derivatives of unknown maps with stochastic extremum seeking. , 2016, , .		1
299	Time-varying feedback for finite-time robust regulation of normal-form nonlinear systems. , 2016, , .		13
300	Coupled Chaotic and Hyperchaotic Dynamics of Actuated Butterfly Valves Operating in Series. , 2016, , .		6
301	State Estimation for an Electrochemical Model of Multiple-Material Lithium-Ion Batteries. , 2016, , .		7
302	Explicit output-feedback boundary control of reaction-diffusion PDEs on arbitrary-dimensional balls. ESAIM - Control, Optimisation and Calculus of Variations, 2016, 22, 1078-1096.	0.7	18
303	Robustness to diffusion of prediction-based control for convection processes. , 2016, , .		3
304	Control-Oriented Energy-Based Modeling of a Screw Extruder Used for 3D Printing. , 2016, , .		9
305	Output Feedback Stabilization of the Linearized Bilayer Saint-Venant Model. , 2016, , .		0
306	Output feedback control of the one-phase Stefan problem. , 2016, , .		7

#	ARTICLE	IF	CITATIONS
307	Newton-based extremum seeking for higher derivatives of unknown Maps with Delays. , 2016, , .		1
308	Input-to state stability with respect to boundary disturbances for the 1-D heat equation. , 2016, , .		11
309	Stability of predictor-based feedback for nonlinear systems with distributed input delay. , 2016, , .		1
310	Bilateral boundary control of one-dimensional first- and second-order PDEs using infinite-dimensional backstepping. , 2016, , .		15
311	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.	0.5	2
312	A swapping design based adaptive observer for $n + 1$ coupled linear hyperbolic PDEs. , 2016, , .		3
313	Control of transport PDE/nonlinear ODE cascades with state-dependent propagation speed. , 2016, , .		2
314	Sampled-Data Stabilization of Nonlinear Delay Systems with a Compact Absorbing Set. SIAM Journal on Control and Optimization, 2016, 54, 790-818.	1.1	21
315	Approximate and sampled-data predictors for control of nonlinear delay systems. Annual Reviews in Control, 2016, 41, 2-12.	4.4	7
316	Stabilization of Reaction Diffusion Equations With State Delay Using Boundary Control Input. IEEE Transactions on Automatic Control, 2016, 61, 4041-4047.	3.6	56
317	Bounded Integral Control of Input-to-State Practically Stable Nonlinear Systems to Guarantee Closed-Loop Stability. IEEE Transactions on Automatic Control, 2016, 61, 4196-4202.	3.6	69
318	Stability of predictor-based feedback for nonlinear systems with distributed input delay. Automatica, 2016, 70, 195-203.	3.0	46
319	Robust dynamic positioning of ships with disturbances under input saturation. Automatica, 2016, 73, 207-214.	3.0	319
320	Boundary control of a singular reaction-diffusion equation on a disk. IFAC-PapersOnLine, 2016, 49, 74-79.	0.5	6
321	Adaptive Observer for a Class of Output-Delayed Systems with Parameter Uncertainty - A PDE Based Approach. IFAC-PapersOnLine, 2016, 49, 158-163.	0.5	16
322	Boundary Parameter and State Estimation in General Linear Hyperbolic PDEs. IFAC-PapersOnLine, 2016, 49, 104-110.	0.5	8
323	State Feedback Stabilization of the Linearized Bilayer Saint-Venant Model. IFAC-PapersOnLine, 2016, 49, 130-135.	0.5	3
324	Boundary control of coupled reaction-diffusion systems with spatially-varying reaction. IFAC-PapersOnLine, 2016, 49, 222-227.	0.5	9

#	ARTICLE	IF	CITATIONS
325	Observer design for an IPDE with time-dependent coefficients. , 2016, , .		1
326	Backstepping control of the one-phase stefan problem. , 2016, , .		13
327	Exact predictor feedbacks for multi-input LTI systems with distinct input delays. Automatica, 2016, 71, 143-150.	3.0	62
328	Adaptive finite time coordinated consensus for high-order multi-agent systems: Adjustable fraction power feedback approach. Information Sciences, 2016, 372, 392-406.	4.0	48
329	Adaptive boundary observer for parabolic PDEs subject to domain and boundary parameter uncertainties. Automatica, 2016, 72, 115-122.	3.0	30
330	Adaptive backstepping with exponential regulation in the absence of persistent excitation. , 2016, , .		3
331	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
332	Control of Ripple Eliminators to Improve the Power Quality of DC Systems and Reduce the Usage of Electrolytic Capacitors. IEEE Access, 2016, 4, 2177-2187.	2.6	42
333	Linear backstepping output feedback control for uncertain linear systems. International Journal of Adaptive Control and Signal Processing, 2016, 30, 1080-1098.	2.3	12
334	Control of Homodirectional and General Heterodirectional Linear Coupled Hyperbolic PDEs. IEEE Transactions on Automatic Control, 2016, 61, 3301-3314.	3.6	213
335	ISS with Respect to Boundary Disturbances for 1-D Parabolic PDEs. IEEE Transactions on Automatic Control, 2016, 61, 3712-3724.	3.6	91
336	An Adaptive Observer Design for $n+1$ Coupled Linear Hyperbolic PDEs Based on Swapping. IEEE Transactions on Automatic Control, 2016, 61, 3979-3990.	3.6	63
337	Iterative learning control based on extremum seeking. Automatica, 2016, 66, 238-245.	3.0	54
338	Predictor Observers for Proportional Navigation Systems Subjected to Seeker Delay. IEEE Transactions on Control Systems Technology, 2016, 24, 2002-2015.	3.2	13
339	Design Optimization of Dynamically Coupled Actuated Butterfly Valves Subject to a Sudden Contraction. Journal of Mechanical Design, Transactions of the ASME, 2016, 138, .	1.7	7
340	Boundary observer design for hyperbolic PDE-ODE cascade systems. Automatica, 2016, 68, 75-86.	3.0	129
341	Nonlinear stabilization through wave PDE dynamics with a moving uncontrolled boundary. Automatica, 2016, 68, 27-38.	3.0	84
342	Stabilization and robustness analysis for a chain of exponential integrators using strict Lyapunov functions. Automatica, 2016, 68, 184-193.	3.0	3

#	ARTICLE	IF	CITATIONS
343	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.	1.7	19
344	Adaptive Observer for a Class of Parabolic PDEs. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 3083-3090.	3.6	41
345	Fault-tolerant finite time consensus for multiple uncertain nonlinear mechanical systems under single-way directed communication interactions and actuation failures. <i>Automatica</i> , 2016, 63, 374-383.	3.0	182
346	Backstepping Designs in the Presence of Non-constant Delays on the Virtual Input. <i>Advances in Delays and Dynamics</i> , 2016, , 61-77.	0.4	2
347	Robust Stabilization of Nonlinear Globally Lipschitz Delay Systems. <i>Advances in Delays and Dynamics</i> , 2016, , 43-60.	0.4	7
348	Stochastic Averaging in Discrete Time and its Applications to Extremum Seeking. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 90-102.	3.6	30
349	Implantable Loop Recorder – A Good Opportunity to Diagnose Unexplained Syncope. <i>Acta Facultatis Medicae Naissensis</i> , 2016, 33, 63-68.	0.1	0
350	Prediction-based boundary control of linear delayed systems without restriction on relative degree. , 2015, , .		0
351	Adaptive sinusoidal disturbance cancellation for unknown LTI systems despite input delay. , 2015, , .		0
352	Time- and State-Dependent Input Delay-Compensated Bang-Bang Control of a Screw Extruder for 3D Printing. , 2015, , .		1
353	Boundary Backstepping Control of Flow-Induced Vibrations of a Membrane at High Mach Numbers. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015, 137, .	0.9	9
354	Modeling, Control, and Stability Analysis of Heterogeneous Thermostatically Controlled Load Populations Using Partial Differential Equations. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015, 137, .	0.9	25
355	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.	0.5	11
356	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.. <i>IFAC-PapersOnLine</i> , 2015, 48, 304-309.	0.5	8
357	Predictor-feedback stabilization of multi-input nonlinear systems. , 2015, , .		2
358	State estimation for nonlinear hyperbolic PDE-ODE cascade systems. , 2015, , .		5
359	Predictor-based tracking for neuromuscular electrical stimulation. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 2391-2419.	2.1	35
360	Stability of an interconnected system of euler-bernoulli beam and heat equation with boundary coupling. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2015, 21, 1029-1052.	0.7	28

#	ARTICLE	IF	CITATIONS
361	Sampled-data feedback stabilization of age-structured chemostat models. , 2015, , .		5
362	Prediction-based control for nonlinear state- and input-delay systems with the aim of delay-robustness analysis. , 2015, , .		8
363	Extremum seeking subject to multiple and distinct input delays. , 2015, , .		1
364	Backstepping stabilization of the linearized Saint-Venant-Exner Model: Part II- output feedback. , 2015, , .		1
365	Adaptive compensation of diffusion-advection actuator dynamics using boundary measurements. , 2015, , .		3
366	Backstepping stabilization of the linearized Saint-Venant-Exner Model: Part I - state feedback. , 2015, , .		2
367	Stabilization of reaction-diffusion equations with state delay using boundary control input. , 2015, , .		0
368	Maximizing higher derivatives of unknown maps with extremum seeking. , 2015, , .		7
369	Explicit boundary control of reaction-diffusion PDEs on arbitrary-dimensional balls. , 2015, , .		6
370	Stabilization of a chain of exponential integrators using a strict Lyapunov function. , 2015, , .		1
371	Boundedness of Synchronverters. , 2015, , .		5
372	Sampled-Data Stabilization of Nonlinear Delay Systems With a Compact Absorbing Set. IFAC-PapersOnLine, 2015, 48, 410-415.	0.5	1
373	Disturbance attenuation limitations for systems with input delays. , 2015, , .		2
374	Lyapunov-based backstepping control of a class of linear systems without overparametrization, tuning functions or nonlinear damping. , 2015, , .		2
375	Adaptive observer for parabolic PDEs with uncertain parameter in the boundary condition. , 2015, , .		8
376	Adaptive backstepping control of uncertain linear systems under unknown actuator delay. Automatica, 2015, 54, 256-265.	3.0	65
377	Backstepping-Forwarding Control and Observation for Hyperbolic PDEs With Fredholm Integrals. IEEE Transactions on Automatic Control, 2015, 60, 2145-2160.	3.6	78
378	Bounded droop controller for parallel operation of inverters. Automatica, 2015, 53, 320-328.	3.0	24

#	ARTICLE	IF	CITATIONS
379	Adaptive sinusoidal disturbance cancellation for unknown LTI systems despite input delay. Automatica, 2015, 58, 131-138.	3.0	64
380	Observer design for a class of nonlinear ODE–PDE cascade systems. Systems and Control Letters, 2015, 83, 19-27.	1.3	55
381	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, .	0.9	21
382	Anxiety and Depressiveness in Students With Childhood War-Related Experiences. Journal of Loss and Trauma, 2015, 20, 95-108.	0.9	2
383	Stability analysis and fail-safe operation of inverters operated in parallel. International Journal of Control, 2015, 88, 1410-1421.	1.2	2
384	Singularly Perturbed Lie Bracket Approximation. IEEE Transactions on Automatic Control, 2015, 60, 3287-3292.	3.6	19
385	Multi-Agent Deployment in 3-D via PDE Control. IEEE Transactions on Automatic Control, 2015, 60, 891-906.	3.6	79
386	A Predictor Observer for Seeker Delay in the Missile Homing Loop. IFAC-PapersOnLine, 2015, 48, 416-421.	0.5	6
387	Stabilization of linearized Korteweg-de Vries systems with anti-diffusion by boundary feedback with non-collocated observation. , 2015, , .		3
388	Bounded integral control for regulating input-to-state stable non-linear systems. , 2015, , .		6
389	Pitch Control Design for Tandem Lifting Body Catamaran by Aft Lifting Body Actuation. IEEE Transactions on Control Systems Technology, 2015, 23, 700-707.	3.2	5
390	State-dependent input delay-compensated Bang-Bang control: Application to 3D printing based on screw-extruder. , 2015, , .		14
391	Multiparameter extremum seeking with output delays. , 2015, , .		9
392	State-of-charge estimation for lithium-ion batteries via a coupled thermal-electrochemical model. , 2015, , .		15
393	Predictor-feedback for multi-input LTI systems with distinct delays. , 2015, , .		13
394	Multivariable maximum power point tracking for photovoltaic micro-converters using extremum seeking. Control Engineering Practice, 2015, 35, 83-91.	3.2	34
395	Nonlinear control under wave actuator dynamics with time–and state–dependent moving boundary. International Journal of Robust and Nonlinear Control, 2015, 25, 222-251.	2.1	52
396	Control of discrete-time nonlinear systems actuated through counter-convecting transport dynamics. Journal of Control and Decision, 2014, 1, 34-50.	0.7	8

#	ARTICLE	IF	CITATIONS
397	Women's demand for late-term abortion: A social or psychiatric issue?. Vojnosanitetski Pregled, 2014, 71, 660-666.	0.1	1
398	Analytic Modeling and Integral Control of Heterogeneous Thermostatically Controlled Load Populations. , 2014, , .		7
399	Adaptive Partial Differential Equation Observer for Battery State-of-Charge/State-of-Health Estimation Via an Electrochemical Model. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	192
400	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, .	0.9	16
401	Backstepping-forwarding control of parabolic PDEs with partially separable kernels. , 2014, , .		3
402	Adaptive output-feedback for wave PDE with anti-damping - application to surface-based control of oil drilling stick-slip instability. , 2014, , .		14
403	Extremum Seeking Control. , 2014, , 1-5.		16
404	Constrained extremum seeking in 1 dimension. , 2014, , .		15
405	On the relation of delay equations to first-order hyperbolic partial differential equations. ESAIM - Control, Optimisation and Calculus of Variations, 2014, 20, 894-923.	0.7	58
406	Extremum seeking for wind and solar energy applications. , 2014, , .		6
407	Proactive Coping as a Mediator Between Resources and Outcomes: A Structural Equations Modeling Analysis. Applied Research in Quality of Life, 2014, 9, 871-885.	1.4	13
408	Newton-based stochastic extremum seeking. Automatica, 2014, 50, 952-961.	3.0	36
409	Power Optimization and Control in Wind Energy Conversion Systems Using Extremum Seeking. IEEE Transactions on Control Systems Technology, 2014, 22, 1684-1695.	3.2	107
410	Output-feedback adaptive control of a wave PDE with boundary anti-damping. Automatica, 2014, 50, 1407-1415.	3.0	88
411	Delay-Adaptive Control for Nonlinear Systems. IEEE Transactions on Automatic Control, 2014, 59, 1203-1218.	3.6	130
412	Global stabilisation of nonlinear delay systems with a compact absorbing set. International Journal of Control, 2014, 87, 1010-1027.	1.2	44
413	Backstepping-forwarding boundary control design for first-order hyperbolic systems with Fredholm integrals. , 2014, , .		4
414	Adaptive output feedback for oil drilling stick-slip instability modeled by wave PDE with anti-damped dynamic boundary. , 2014, , .		18

#	ARTICLE	IF	CITATIONS
415	Sliding mode control to the stabilization of a linear 2×2 hyperbolic system with boundary input disturbance. , 2014, , .		21
416	Bounded droop controller for accurate load sharing among paralleled inverters. , 2014, , .		5
417	A new tracking controller for neuromuscular electrical stimulation under input delays: Case study in prediction. , 2014, , .		5
418	Numerical schemes for nonlinear predictor feedback. Mathematics of Control, Signals, and Systems, 2014, 26, 519-546.	1.4	43
419	Compensation of Wave Actuator Dynamics for Nonlinear Systems. IEEE Transactions on Automatic Control, 2014, 59, 1555-1570.	3.6	72
420	Power Optimization for Photovoltaic Microconverters Using Multivariable Newton-Based Extremum Seeking. IEEE Transactions on Control Systems Technology, 2014, 22, 2141-2149.	3.2	60
421	Extremum Seeking-Based Optimization of High Voltage Converter Modulator Rise-Time. IEEE Transactions on Control Systems Technology, 2014, 22, 34-43.	3.2	15
422	Adaptive output-feedback stabilization of non-local hyperbolic PDEs. Automatica, 2014, 50, 2692-2699.	3.0	102
423	State derivative feedback for adaptive cancellation of unmatched disturbances in unknown strict-feedback LTI systems. Automatica, 2014, 50, 2539-2545.	3.0	49
424	Extremum seeking with bounded update rates. Systems and Control Letters, 2014, 63, 25-31.	1.3	90
425	Marcum -functions and explicit kernels for stabilization of linear hyperbolic systems with constant coefficients. Systems and Control Letters, 2014, 68, 33-42.	1.3	65
426	Non-C2 Lie Bracket Averaging for Nonsmooth Extremum Seekers. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	34
427	Modeling and Boundary Control of a Hanging Cable Immersed in Water. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	16
428	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
429	Combustion distribution control using the extremum seeking algorithm. Journal of Physics: Conference Series, 2014, 570, 052001.	0.3	4
430	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
431	Discrete-time Stochastic Extremum Seeking. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3274-3279.	0.4	6
432	Active Disturbance Rejection Control for a 2 \tilde{A} –2 Hyperbolic System with an Input Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11385-11390.	0.4	8

#	ARTICLE	IF	CITATIONS
433	Extremum Seeking for Wind and Solar Energy Applications. Mechanical Engineering, 2014, 136, S13-S21.	0.0	12
434	Control of Nonlinear Systems with Delays. , 2014, , 1-6.		1
435	Local Exponential H^2 Stabilization of a 2×2 Quasilinear Hyperbolic System Using Backstepping. SIAM Journal on Control and Optimization, 2013, 51, 2005-2035.	1.1	257
436	Delay-robustness of linear predictor feedback without restriction on delay rate. Automatica, 2013, 49, 1761-1767.	3.0	77
437	Improving the Power Quality of Traction Power Systems with a Single-Feeding Wire. , 2013, , .		1
438	A Single-Phase to Three-Phase Power Conversion System with Reduced Switches and Improved Output Voltages. , 2013, , .		0
439	Finite-horizon LQ control for unknown discrete-time linear systems via extremum seeking. European Journal of Control, 2013, 19, 399-407.	1.6	39
440	Aircraft Endurance Maximization at Medium Mach Numbers by Extremum Seeking. Journal of Guidance, Control, and Dynamics, 2013, 36, 390-403.	1.6	4
441	Stabilization of nonlinear delay systems using approximate predictors and high-gain observers. Automatica, 2013, 49, 3623-3631.	3.0	75
442	Stabilization of a System of $n+1$ Coupled First-Order Hyperbolic Linear PDEs With a Single Boundary Input. IEEE Transactions on Automatic Control, 2013, 58, 3097-3111.	3.6	220
443	PDE Boundary Control for Flexible Articulated Wings on a Robotic Aircraft. IEEE Transactions on Robotics, 2013, 29, 625-640.	7.3	126
444	Adaptive wave cancelation by acceleration feedback for ramp-connected air cushion-actuated surface effect ships. Automatica, 2013, 49, 2591-2602.	3.0	37
445	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.	1.9	10
446	Nonlinear control under input delays that depend on delayed states. , 2013, , .		1
447	Stabilization in the supremum norm of wave PDE/nonlinear ODE cascades. , 2013, , .		0
448	Robust predictor feedback for discrete-time systems with input delays. International Journal of Control, 2013, 86, 1652-1663.	1.2	29
449	Robust adaptive control: legacies and horizons. International Journal of Adaptive Control and Signal Processing, 2013, 27, 1-3.	2.3	12
450	Nonlinear stabilization in infinite dimension. Annual Reviews in Control, 2013, 37, 220-231.	4.4	11

#	ARTICLE	IF	CITATIONS
451	Minimum-Seeking for CLFs: Universal Semiglobally Stabilizing Feedback Under Unknown Control Directions. IEEE Transactions on Automatic Control, 2013, 58, 1107-1122.	3.6	97
452	Stabilization of an ODEâ€“Schrödinger Cascade. Systems and Control Letters, 2013, 62, 503-510.	1.3	93
453	Robustness of nonlinear predictor feedback laws to time- and state-dependent delay perturbations. Automatica, 2013, 49, 1576-1590.	3.0	119
454	Nonlinear control under delays that depend on delayed states. European Journal of Control, 2013, 19, 389-398.	1.6	28
455	Power optimization and control in wind energy conversion systems using extremum seeking. , 2013, , .		15
456	Quantized-Input Control Lyapunov Approach for Permanent Magnet Synchronous Motor Drives. IEEE Transactions on Control Systems Technology, 2013, 21, 1784-1794.	3.2	52
457	Compensation of State-Dependent Input Delay for Nonlinear Systems. IEEE Transactions on Automatic Control, 2013, 58, 275-289.	3.6	201
458	Adaptive stabilization of LTI systems with distributed input delay. International Journal of Adaptive Control and Signal Processing, 2013, 27, 46-65.	2.3	29
459	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, .	0.9	20
460	Nash Equilibrium Seeking for Dynamic Systems with Non-quadratic Payoffs. , 2013, , 179-198.		6
461	Region tracking control for multi-agent systems with high-order dynamics. , 2013, , .		6
462	Multivalued Stability Map of an Injection-Locked Semiconductor Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1501408-1501408.	1.9	16
463	Marcum Q-functions and explicit feedback laws for stabilization of constant coefficient 2 × 2 linear hyperbolic systems. , 2013, , .		7
464	Control of thermodynamical system with input-dependent state delays. , 2013, , .		5
465	Boundary control of a cascade of two parabolic PDEs with different diffusion coefficients. , 2013, , .		10
466	Backstepping control of an aeroelastic system with large Mach numbers. , 2013, , .		0
467	Robustness to time- and state-dependent delay perturbations in networked nonlinear control systems. , 2013, , .		4
468	Stabilization of linearized Korteweg-de Vries systems with anti-diffusion. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
469	Gradient based projection method for constrained optimization. , 2013, , .		7
470	Oil drilling inspired compensation of wave actuator dynamics for nonlinear systems. , 2013, , .		1
471	Nonlinear Stabilization in Infinite Dimension. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1-14.	0.4	2
472	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
473	A backstepping boundary observer for a class of linear first-order hyperbolic systems. , 2013, , .		7
474	PDE-based analysis and control of the oxygen storage level in three-way catalytic converters. , 2012, , .		5
475	Stabilization of a linear hyperbolic system with one boundary controlled transport PDE coupled with n counterconvecting PDEs. , 2012, , .		5
476	Finite-horizon LQ control for unknown discrete-time linear systems via extremum seeking. , 2012, , .		7
477	Compensation of state-dependent delays under local stabilizability assumption. , 2012, , .		0
478	Backstepping stabilization of an underactuated 3 × 3 linear hyperbolic system of fluid flow equations. , 2012, , .		23
479	Newton-based stochastic extremum seeking. , 2012, , .		0
480	Adaptive stabilization of LTI systems with distributed input delay. , 2012, , .		0
481	Collocated output-feedback stabilization of a 2 × 2 quasilinear hyperbolic system using backstepping. , 2012, , .		22
482	Backstepping control for parabolic PDEs with in-domain actuation. , 2012, , .		10
483	PDE boundary control for euler-bernoulli beam using a two stage perturbation observer. , 2012, , .		4
484	Some remarks on Lyapunov-Krasovskii functionals and reduction approach for input delay compensation. , 2012, , .		4
485	On optimizing sensor placement for spatio-temporal temperature estimation in large battery packs. , 2012, , .		12
486	Stochastic Averaging and Stochastic Extremum Seeking. Communications and Control Engineering, 2012, , .	1.0	70

#	ARTICLE	IF	CITATIONS
487	Adaptive Backstepping Cancellation of Unmatched Unknown Sinusoidal Disturbances for LTI Systems by State Derivative Feedback. , 2012, , .		3
488	Compensation of Time-Varying Input and State Delays for Nonlinear Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	0.9	154
489	Adaptive PDE Observer for Battery SOC/SOH Estimation. , 2012, , .		38
490	Stochastic Source Seeking With Multiple Nonholonomic Vehicles via a Single Forward-Velocity Control Signal. , 2012, , .		0
491	Global Stabilization of Feedforward Systems Under Perturbations in Sampling Schedule. SIAM Journal on Control and Optimization, 2012, 50, 1389-1412.	1.1	33
492	Adaptive cancelation of matched unknown sinusoidal disturbances for unknown LTI systems by state derivative feedback. , 2012, , .		7
493	Extremum seeking-based tracking for unknown systems with unknown control directions. , 2012, , .		6
494	A universal extremum seeking-based stabilizer for unknown LTV systems with unknown control directions. , 2012, , .		8
495	Stabilization and Gevrey Regularity of a Schrödinger Equation in Boundary Feedback With a Heat Equation. IEEE Transactions on Automatic Control, 2012, 57, 179-185.	3.6	90
496	Adaptive backstepping cancellation of unmatched unknown sinusoidal disturbances for unknown LTI systems by state derivative feedback. , 2012, , .		5
497	Nash Equilibrium Seeking in Noncooperative Games. IEEE Transactions on Automatic Control, 2012, 57, 1192-1207.	3.6	263
498	Compensation of state-dependent state delay for nonlinear systems. , 2012, , .		1
499	Power optimization for photovoltaic micro-converters using multivariable gradient-based extremum-seeking. , 2012, , .		20
500	Lyapunov-Krasovskii functionals and application to input delay compensation for linear time-invariant systems. Automatica, 2012, 48, 1317-1323.	3.0	115
501	Multivariable Newton-based extremum seeking. Automatica, 2012, 48, 1759-1767.	3.0	223
502	Power optimization for photovoltaic micro-converters using multivariable Newton-based extremum-seeking. , 2012, , .		5
503	Control of nonlinear delay systems: A tutorial. , 2012, , .		10
504	Nonlinear Stabilization Under Sampled and Delayed Measurements, and With Inputs Subject to Delay and Zero-Order Hold. IEEE Transactions on Automatic Control, 2012, 57, 1141-1154.	3.6	210

#	ARTICLE	IF	CITATIONS
505	Reduction of DC-bus voltage ripples and capacitors for single-phase PWM-controlled rectifiers. , 2012, , .		47
506	Laser pulse shaping via extremum seeking. Control Engineering Practice, 2012, 20, 674-683.	3.2	45
507	Compensation of state-dependent state delay for nonlinear systems. Systems and Control Letters, 2012, 61, 849-856.	1.3	36
508	Introduction to Extremum Seeking. Communications and Control Engineering, 2012, , 11-20.	1.0	8
509	Stochastic Averaging for Practical Stability. Communications and Control Engineering, 2012, , 57-78.	1.0	0
510	Introduction to Averaging. Communications and Control Engineering, 2012, , 1-10.	1.0	0
511	Multi-parameter Stochastic Extremum Seeking and Slope Seeking. Communications and Control Engineering, 2012, , 129-146.	1.0	0
512	Stochastic Nash Equilibrium Seeking for Games with General Nonlinear Payoffs. Communications and Control Engineering, 2012, , 147-159.	1.0	0
513	Nash Equilibrium Seeking for Quadratic Games and Applications to Oligopoly Markets and Vehicle Deployment. Communications and Control Engineering, 2012, , 161-179.	1.0	0
514	Predictor Feedback: Time-Varying, Adaptive, and Nonlinear. Lecture Notes in Control and Information Sciences, 2012, , 291-306.	0.6	0
515	Newton-Based Stochastic Extremum Seeking. Communications and Control Engineering, 2012, , 181-199.	1.0	1
516	Stochastic Source Seeking for Nonholonomic Vehicles. Communications and Control Engineering, 2012, , 95-119.	1.0	0
517	Compensating the Distributed Effect of Diffusion and Counter-Convection in Multi-Input and Multi-Output LTI Systems. IEEE Transactions on Automatic Control, 2011, 56, 637-643.	3.6	59
518	On the stability of an interconnected system of Euler-Bernoulli beam and heat equation with boundary coupling. , 2011, , .		2
519	Perspectives on E-Print Servers and Traditional Publishing [Publication Activities]. IEEE Control Systems, 2011, 31, 23-80.	1.0	0
520	Multiagent Deployment Over a Source. IEEE Transactions on Control Systems Technology, 2011, , .	3.2	26
521	Nonlinear stabilization under sampled and delayed measurements, and with inputs subject to delay and zero-order hold. , 2011, , .		1
522	Stochastic Nash Equilibrium Seeking for Games with General Nonlinear Payoffs. SIAM Journal on Control and Optimization, 2011, 49, 1659-1679.	1.1	48

#	ARTICLE	IF	CITATIONS
523	Leader-Enabled Deployment Onto Planar Curves: A PDE-Based Approach. IEEE Transactions on Automatic Control, 2011, 56, 1791-1806.	3.6	100
524	Compensation of state-dependent input delay for nonlinear systems. , 2011, , .		10
525	Compensation of time-varying input delay for nonlinear systems. , 2011, , .		12
526	Wave Equation Stabilization by Delays Equal to Even Multiples of the Wave Propagation Time. SIAM Journal on Control and Optimization, 2011, 49, 517-554.	1.1	56
527	Boundary Controllers and Observers for the Linearized Schrödinger Equation. SIAM Journal on Control and Optimization, 2011, 49, 1479-1497.	1.1	82
528	Dead-Time Compensation for Wave/String PDEs. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	0.9	17
529	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
530	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
531	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
532	Stabilization of Nonlinear Strict-Feedback Systems With Time-Varying Delayed Integrators. , 2011, , .		1
533	Source Seeking With Very Slow or Drifting Sensors. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	0.9	22
534	Finite-time multi-agent deployment: A nonlinear PDE motion planning approach. Automatica, 2011, 47, 2534-2542.	3.0	74
535	PDE Boundary Control for Flexible Articulated Aircraft Wings. , 2011, , .		1
536	Lyapunov Stability of Linear Predictor Feedback for Distributed Input Delays. IEEE Transactions on Automatic Control, 2011, 56, 655-660.	3.6	132
537	Local exponential H^2 stabilization of a 2 × 2 quasilinear hyperbolic system using backstepping. , 2011, , .		21
538	Backstepping boundary stabilization and state estimation of a 2 × 2 linear hyperbolic system. , 2011, , .		169
539	PDE model for thermal dynamics of a large Li-ion battery pack. , 2011, , .		20
540	Nash equilibrium seeking with infinitely-many players. , 2011, , .		11

#	ARTICLE	IF	CITATIONS
541	Adaptive Cancellation of Matched Unknown Sinusoidal Disturbances for LTI Systems by State Derivative Feedback. , 2011, , .		4
542	Gain Scheduling-Inspired Boundary Control for Nonlinear Partial Differential Equations. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	0.9	4
543	Parameter Identification for Electrohydraulic Valvetrain Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	0.9	5
544	A globally asymptotically stable polynomial vector field with no polynomial Lyapunov function. , 2011, , .		43
545	Multivariable Newton-based extremum seeking. , 2011, , .		7
546	Extremum Seeking Based on Atmospheric Turbulence for Aircraft Endurance. Journal of Guidance, Control, and Dynamics, 2011, 34, 1876-1885.	1.6	34
547	Laser Pulse Shaping via Iterative Learning Control and High-Dimensional Extremum Seeking. , 2011, , .		5
548	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
549	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
550	Output Control Algorithm for Unstable Plant with Input Delay and Cancellation of Unknown Biased Harmonic Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 39-44.	0.4	33
551	Stochastic source seeking for nonholonomic unicycle. Automatica, 2010, 46, 1443-1453.	3.0	102
552	Stabilization of linear strict-feedback systems with delayed integrators. Automatica, 2010, 46, 1902-1910.	3.0	104
553	Control of PDE-ODE cascades with Neumann interconnections. Journal of the Franklin Institute, 2010, 347, 284-314.	1.9	179
554	Delay-adaptive feedback for linear feedforward systems. Systems and Control Letters, 2010, 59, 277-283.	1.3	97
555	Compensating the distributed effect of a wave PDE in the actuation or sensing path of MIMO LTI systems. Systems and Control Letters, 2010, 59, 713-719.	1.3	40
556	Compensation of infinite-dimensional input dynamics. Annual Reviews in Control, 2010, 34, 233-244.	4.4	20
557	Speed regulation in steering-based source seeking. Automatica, 2010, 46, 452-459.	3.0	41
558	Compensating the Distributed Effect of a Wave PDE in the Actuation or Sensing Path of Multi-Input and Multi-Output LTI Systems. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
559	Delay-adaptive feedback for linear feedforward systems. , 2010, , .		3
560	Multi-agent deployment in the plane using stochastic extremum seeking. , 2010, , .		22
561	Multi-agent deployment to a family of planar Arcs. , 2010, , .		10
562	Rejection of sinusoidal disturbance of unknown frequency for linear system with input delay. , 2010, , .		63
563	Further Results on Stabilization of Shock-Like Equilibria of the Viscous Burgers PDE. IEEE Transactions on Automatic Control, 2010, 55, 1942-1946.	3.6	12
564	Compensating the distributed effect of counter-convection and diffusion in multi-input and multi-output LTI systems. , 2010, , .		2
565	Lyapunov stability of linear predictor feedback for distributed input delays. , 2010, , .		5
566	Stabilization of linear strict-feedback systems with delayed integrators. , 2010, , .		2
567	Multi-agent deployment around a source in one dimension by extremum seeking. , 2010, , .		11
568	Nash equilibrium seeking for games with non-quadratic payoffs. , 2010, , .		9
569	Source Seeking for Nonholonomic Unicycle With Speed Regulation. , 2010, , .		0
570	Boundary Observer for Output-Feedback Stabilization of Thermal-Fluid Convection Loop. IEEE Transactions on Control Systems Technology, 2010, 18, 789-797.	3.2	48
571	Compensation of Infinite-Dimensional Actuator and Sensor Dynamics. IEEE Control Systems, 2010, 30, 22-41.	1.0	113
572	Lyapunov Stability of Linear Predictor Feedback for Time-Varying Input Delay. IEEE Transactions on Automatic Control, 2010, 55, 554-559.	3.6	259
573	Input Delay Compensation for Forward Complete and Strict-Feedforward Nonlinear Systems. IEEE Transactions on Automatic Control, 2010, 55, 287-303.	3.6	336
574	Boundary Stabilization of a 1-D Wave Equation with In-Domain Antidamping. SIAM Journal on Control and Optimization, 2010, 48, 4014-4031.	1.1	138
575	Continuous-Time Stochastic Averaging on the Infinite Interval for Locally Lipschitz Systems. SIAM Journal on Control and Optimization, 2010, 48, 3589-3622.	1.1	17
576	Delay-Adaptive Predictor Feedback for Systems With Unknown Long Actuator Delay \$ \$. IEEE Transactions on Automatic Control, 2010, 55, 2106-2112.	3.6	167

#	ARTICLE	IF	CITATIONS
577	Stochastic averaging in continuous time and its applications to extremum seeking. , 2010, , .		1
578	Stochastic nonholonomic source seeking. , 2010, , .		8
579	Stochastic Averaging in Continuous Time and Its Applications to Extremum Seeking. IEEE Transactions on Automatic Control, 2010, 55, 2235-2250.	3.6	95
580	Adaptive Control of Parabolic PDEs. , 2010, , .		260
581	Compensation of Input Delay for Linear, Nonlinear, Adaptive, and PDE Systems. Lecture Notes in Control and Information Sciences, 2010, , 161-178.	0.6	0
582	Demonstrating Optimum HCCI Combustion with Advanced Control Technology. , 2009, , .		8
583	Boundary control of an anti-stable wave equation with anti-damping on the uncontrolled boundary. , 2009, , .		5
584	Inverse optimal adaptive control;The interplay between update laws, control laws, and Lyapunov functions. , 2009, , .		2
585	Stochastic averaging on infinite time interval for a class of nonlinear systems with stochastic perturbation. , 2009, , .		0
586	Rapidly convergent leader-enabled multi-agent deployment into planar curves. , 2009, , .		14
587	Compensating a string PDE in the actuation or sensing path of an unstable ODE. , 2009, , .		7
588	Nonlinear stabilization through long input delay;Part I: Forward complete systems. , 2009, , .		2
589	Nonholonomic Source Seeking With Tuning of Angular Velocity. IEEE Transactions on Automatic Control, 2009, 54, 717-731.	3.6	190
590	Control of an unstable reaction-diffusion PDE with long input delay. , 2009, , .		7
591	Nonlinear stabilization through long input delay;Part II: The strict-feedforward class. , 2009, , .		1
592	Predictor-like feedback for actuator and sensor dynamics governed by diffusion PDEs. , 2009, , .		3
593	Boundary stabilization of an anti-stable wave equation with in-domain anti-damping. , 2009, , .		1
594	Source seeking for a Joukowski foil model of fish locomotion. , 2009, , .		5

#	ARTICLE	IF	CITATIONS
595	Adaptive tracking controller for systems with unknown long delay and unknown parameters in the plant. , 2009, , .		3
596	Source seeking for a three-link model of fish locomotion. , 2009, , .		3
597	Extremum seeking with very slow or drifting sensors. , 2009, , .		3
598	Delay-Adaptive Predictor with Estimation of Actuator State. , 2009, , 121-133.		0
599	Nonlinear Predictor Feedback. Systems and Control: Foundations and Applications, 2009, , 153-169.	0.1	0
600	Forward-Complete Systems. , 2009, , 171-190.		1
601	ODEs with General Transport-Like Actuator Dynamics. , 2009, , 235-251.		0
602	Nonlinear Control of the Viscous Burgers Equation: Trajectory Generation, Tracking, and Observer Design. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2009, 131, .	0.9	39
603	A Closed-Form Full-State Feedback Controller for Stabilization of 3D Magnetohydrodynamic Channel Flow. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2009, 131, .	0.9	18
604	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, .	0.9	22
605	Source Seeking for Two Nonholonomic Models of Fish Locomotion. IEEE Transactions on Robotics, 2009, 25, 1166-1176.	7.3	61
606	Problem 5.1 Infinite dimensional backstepping for nonlinear parabolic PDEs. , 2009, , 153-159.		0
607	Adaptive identification of two unstable PDEs with boundary sensing and actuation. International Journal of Adaptive Control and Signal Processing, 2009, 23, 131-149.	2.3	26
608	Compensating actuator and sensor dynamics governed by diffusion PDEs. Systems and Control Letters, 2009, 58, 372-377.	1.3	205
609	Boundary control of an anti-stable wave equation with anti-damping on the uncontrolled boundary. Systems and Control Letters, 2009, 58, 617-623.	1.3	124
610	Control of an unstable reactionâ€“diffusion PDE with long input delay. Systems and Control Letters, 2009, 58, 773-782.	1.3	107
611	On using least-squares updates without regressor filtering in identification and adaptive control of nonlinear systems. Automatica, 2009, 45, 731-735.	3.0	32
612	Adaptive trajectory tracking despite unknown input delay and plant parameters. Automatica, 2009, 45, 2074-2081.	3.0	211

#	ARTICLE	IF	CITATIONS
613	Extremum Seeking With Stochastic Perturbations. IEEE Transactions on Automatic Control, 2009, 54, 580-585.	3.6	109
614	Nonlinear stabilization through long input delay—Part III: Linearizable strict-feedforward systems. , 2009, , .		0
615	Compensating a String PDE in the Actuation or Sensing Path of an Unstable ODE. IEEE Transactions on Automatic Control, 2009, 54, 1362-1368.	3.6	147
616	Basic Predictor Feedback. , 2009, , 17-40.		2
617	Predictor Observers. , 2009, , 41-52.		2
618	Inverse Optimal Redesign. , 2009, , 53-63.		0
619	Delay Compensation for Nonlinear, Adaptive, and PDE Systems. Systems and Control: Foundations and Applications, 2009, , .	0.1	603
620	Adaptive control of an anti-stable wave PDE. , 2009, , .		36
621	Lyapunov stability of linear predictor feedback for time-varying input delay. , 2009, , .		2
622	Delay-adaptive full-state predictor feedback for systems with unknown long actuator delay. , 2009, , .		37
623	Dead-time compensation for wave/string PDEs. , 2009, , .		1
624	On stabilizing strict-feedback linear systems with delayed integrators. , 2009, , .		2
625	3-D Source Seeking for Underactuated Vehicles Without Position Measurement. IEEE Transactions on Robotics, 2009, 25, 117-129.	7.3	81
626	HCCI Engine Combustion-Timing Control: Optimizing Gains and Fuel Consumption Via Extremum Seeking. IEEE Transactions on Control Systems Technology, 2009, 17, 1350-1361.	3.2	84
627	Arbitrary Decay Rate for Euler-Bernoulli Beam by Backstepping Boundary Feedback. IEEE Transactions on Automatic Control, 2009, 54, 1134-1140.	3.6	112
628	Motion planning and trajectory tracking for three-dimensional Poiseuille flow. Journal of Fluid Mechanics, 2009, 626, 307-332.	1.4	11
629	Conference reports [including A workshop in honor of A.V. Balakrishnan and MED'08]. IEEE Control Systems, 2009, 29, 112-118.	1.0	0
630	Gain Scheduling-Inspired Control for Nonlinear Partial Differential Equations. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
631	Adaptive control of PDEs. Annual Reviews in Control, 2008, 32, 149-160.	4.4	89
632	Magnetohydrodynamic state estimation with boundary sensors. Automatica, 2008, 44, 2517-2527.	3.0	30
633	Control of 1D parabolic PDEs with Volterra nonlinearities, Part II: Analysis. Automatica, 2008, 44, 2791-2803.	3.0	57
634	Control of 1-D parabolic PDEs with Volterra nonlinearities, Part I: Design. Automatica, 2008, 44, 2778-2790.	3.0	118
635	Backstepping boundary control for first-order hyperbolic PDEs and application to systems with actuator and sensor delays. Systems and Control Letters, 2008, 57, 750-758.	1.3	614
636	Stabilization of linearized 2D magnetohydrodynamic channel flow by backstepping boundary control. Systems and Control Letters, 2008, 57, 805-812.	1.3	43
637	Output-feedback stabilization of an unstable wave equation. Automatica, 2008, 44, 63-74.	3.0	204
638	MHD channel flow control in 2D: Mixing enhancement by boundary feedback. Automatica, 2008, 44, 2498-2507.	3.0	28
639	Lyapunov tools for predictor feedbacks for delay systems: Inverse optimality and robustness to delay mismatch. Automatica, 2008, 44, 2930-2935.	3.0	203
640	Control of a Tip-Force Destabilized Shear Beam by Observer-Based Boundary Feedback. SIAM Journal on Control and Optimization, 2008, 47, 553-574.	1.1	88
641	Adaptive Boundary Control for Unstable Parabolic PDEs—Part I: Lyapunov Design. IEEE Transactions on Automatic Control, 2008, 53, 1575-1591.	3.6	215
642	Infinite-dimensional backstepping and applications to flows in electromagnetic fields. , 2008, , .		2
643	Optimal Adaptive Control—Contradiction in Terms or a Matter of Choosing the Right Cost Functional?. IEEE Transactions on Automatic Control, 2008, 53, 1942-1947.	3.6	8
644	On Compensating Long Actuator Delays in Nonlinear Control. IEEE Transactions on Automatic Control, 2008, 53, 1684-1688.	3.6	89
645	Boundary controllers for Euler-Bernoulli beam with arbitrary decay rate. , 2008, , .		3
646	Adaptive output feedback control for complex-valued reaction-advection-diffusion systems. , 2008, , .		7
647	Nonlinear control of the Burgers PDE—Part I: Full-state stabilization. , 2008, , .		3
648	Lyapunov tools for predictor feedbacks for delay systems: Inverse optimality and robustness to delay mismatch. , 2008, , .		14

#	ARTICLE	IF	CITATIONS
649	Motion planning and tracking for tip displacement and deflection angle for flexible beams. , 2008, , .		1
650	GPS denied source seeking for underactuated autonomous vehicles in 3D. , 2008, , .		5
651	Nonlinear Stabilization of Shock-Like Unstable Equilibria in the Viscous Burgers PDE. IEEE Transactions on Automatic Control, 2008, 53, 1678-1683.	3.6	45
652	Extremum seeking for motion optimization: From bacteria to nonholonomic vehicles. , 2008, , .		4
653	3D nonholonomic source seeking without position measurement. , 2008, , .		15
654	Nonlinear control of the Burgers PDE—Part II: Observer design, trajectory generation, and tracking. , 2008, , .		4
655	On compensating long actuator delays in nonlinear control. , 2008, , .		4
656	Backstepping Boundary Stabilization of Linearized 2D Hartman Flow. Proceedings of the American Control Conference, 2007, , .	0.0	3
657	Control of Strings and Flexible Beams by Backstepping Boundary Control. Proceedings of the American Control Conference, 2007, , .	0.0	16
658	Discrete time extremum seeking using stochastic perturbations. , 2007, , .		6
659	Source seeking with a nonholonomic unicycle without position measurements and with tuning of angular velocity part I: Stability analysis. , 2007, , .		28
660	Boundary feedback stabilization of homogeneous equilibria in unstable fluid mixtures. International Journal of Control, 2007, 80, 982-989.	1.2	3
661	Observer Based Boundary Control of an Unstable Wave Equation. Proceedings of the American Control Conference, 2007, , .	0.0	1
662	Non-overshooting Control of Strict-Feedback Nonlinear Systems. Proceedings of the American Control Conference, 2007, , .	0.0	4
663	Adaptive control of PDEs with uncertain and spatially variable parameters. Proceedings of the American Control Conference, 2007, , .	0.0	3
664	Control of Channel Flow Turbulence, Vortex Shedding, and Thermal Convection by Backstepping Boundary Control. Proceedings of the American Control Conference, 2007, , .	0.0	1
665	Boundary controllers and observers for Schrödingler equation. , 2007, , .		12
666	Source seeking with a nonholonomic unicycle without position measurements and with tuning of angular velocity — Part II: Applications. , 2007, , .		10

#	ARTICLE	IF	CITATIONS
667	Extremum Seeking Tuning of an Experimental HCCI Engine Combustion Timing Controller. Proceedings of the American Control Conference, 2007, , .	0.0	11
668	Generation and Tracking of Sinusoids for Shake Table Control via Extremum Seeking. , 2007, , 117.		0
669	BOUNDARY CONTROL LAWS FOR PARABOLIC PDES WITH VOLTERRA NONLINEARITIESâ€™PART I: DESIGN. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 146-151.	0.4	1
670	GPS-DENIED SOURCE SEEKING FOR A NONHOLONOMIC UNICYCLE VIA HEADING CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 952-957.	0.4	1
671	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
672	BACKSTEPPING BOUNDARY CONTROL OF MAGNETOHYDRODYNAMIC CHANNEL FLOW. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 324-329.	0.4	4
673	BOUNDARY CONTROL LAWS FOR PARABOLIC PDES WITH VOLTERRA NONLINEARITIESâ€™PART II: EXAMPLES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 330-335.	0.4	0
674	ADAPTIVE CONTROL OF PDES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 20-31.	0.4	20
675	ADAPTIVE CONTROL OF PDES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 20-31.	0.4	0
676	Backstepping Boundary ControlA Tutorial. Proceedings of the American Control Conference, 2007, , .	0.0	0
677	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
678	Output Feedback Boundary Control of a Ginzburgâ€™Landau Model of Vortex Shedding. IEEE Transactions on Automatic Control, 2007, 52, 742-748.	3.6	27
679	A Closed-Form Feedback Controller for Stabilization of the Linearized 2-D Navierâ€™Stokes Poiseuille System. IEEE Transactions on Automatic Control, 2007, 52, 2298-2312.	3.6	59
680	Backstepping boundary control for first order hyperbolic PDEs and application to systems with actuator and sensor delays. , 2007, , .		8
681	Boundary control for nonlinear parabolic PDEs by Volterra feedback linearization. , 2007, , .		0
682	Source seeking with non-holonomic unicycle without position measurement and with tuning of forward velocity. Systems and Control Letters, 2007, 56, 245-252.	1.3	188
683	Extremum seeking for moderately unstable systems and for autonomous vehicle target tracking without position measurements. Automatica, 2007, 43, 1832-1839.	3.0	140
684	Adaptive boundary control for unstable parabolic PDEsâ€™Part II: Estimation-based designs. Automatica, 2007, 43, 1543-1556.	3.0	143

#	ARTICLE	IF	CITATIONS
685	Adaptive boundary control for unstable parabolic PDEs—Part III: Output feedback examples with swapping identifiers. <i>Automatica</i> , 2007, 43, 1557-1564.	3.0	119
686	Beam matching adaptive control via extremum seeking. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 581, 799-815.	0.7	16
687	A closed-form feedback controller for stabilization of magnetohydrodynamic channel flow. , 2007, , .		0
688	Backstepping Controllers for Stabilization of Turbulent Flow PDEs. <i>Automation and Control Engineering</i> , 2007, , 439-460.	0.1	0
689	Anti-windup Augmentation for Plasma Vertical Stabilization in the DIII-D Tokamak. , 2007, , 1-30.		0
690	Backstepping Boundary Controllers for Tip-Force Induced Flexible Beam Instabilities Arising in AFM. , 2006, , .		4
691	Boundary Control of PDEs and Applications to Turbulent Flows and Flexible Structures. , 2006, , .		3
692	Nonovershooting Control of Strict-Feedback Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2006, 51, 1938-1943.	3.6	110
693	PID tuning using extremum seeking: online, model-free performance optimization. <i>IEEE Control Systems</i> , 2006, 26, 70-79.	1.0	259
694	Backstepping Boundary Controllers and Observers for the Slender Timoshenko Beam: Part I—Design. , 2006, , .		55
695	Decentralized and adaptive control of nonlinear fluid flow networks. <i>International Journal of Control</i> , 2006, 79, 1495-1504.	1.2	25
696	Sensing schemes for state estimation in turbulent flows and flexible structures. , 2006, , .		1
697	Systematization of approaches to adaptive boundary stabilization of PDEs. <i>International Journal of Robust and Nonlinear Control</i> , 2006, 16, 801-818.	2.1	52
698	Advances in robust and nonlinear control of distributed parameter systems. <i>International Journal of Robust and Nonlinear Control</i> , 2006, 16, 731-732.	2.1	0
699	Explicit integral operator feedback for local stabilization of nonlinear thermal convection loop PDEs. <i>Systems and Control Letters</i> , 2006, 55, 624-632.	1.3	32
700	Multivariable adaptive control of instabilities arising in jet engines. <i>Control Engineering Practice</i> , 2006, 14, 833-842.	3.2	28
701	A Closed-Form Observer for the 3D Inductionless MHD and Navier-Stokes Channel Flow. , 2006, , .		4
702	Systematization of Approaches to Adaptive Boundary Stabilization of PDEs. , 2006, , .		3

#	ARTICLE	IF	CITATIONS
703	Optimal beam matching in particle accelerators via extremum seeking. , 2006, , .		2
704	Backstepping boundary control of Navier-Stokes channel flow: a 3D extension. , 2006, , .		22
705	Backstepping Boundary Controllers and Observers for the Slender Timoshenko Beam: Part II--Stability and Simulations. , 2006, , .		32
706	Backstepping Boundary Control of Navier-Stokes Channel Flow: Explicit Gain Formulae in 3D. , 2006, , .		0
707	Source Seeking With Nonholonomic Unicycle Without Position Measurement--Part I: Tuning of Forward Velocity. , 2006, , .		20
708	Lyapunov Adaptive Boundary Control for Parabolic PDEs with Spatially Varying Coefficients. , 2006, , .		15
709	A simple HCCI engine model for control. , 2006, , .		25
710	Higher Order Stability Properties of a 2D Navier Stokes System with an Explicit Boundary Controller. , 2006, , .		0
711	Output-Feedback Adaptive Control for Parabolic PDEs with Spatially Varying Coefficients. , 2006, , .		24
712	Adaptive Identification of a Linear Unstable Parabolic System with Boundary Sensing and Actuation. , 2006, , .		3
713	A Simple HCCI Engine Model for Control. , 2006, , .		27
714	Global Boundary Stabilization of 2D Poiseuille Flow. Lecture Notes in Control and Information Sciences, 2006, , 157-172.	0.6	0
715	Averaging analysis of periodically forced fluid networks. Automatica, 2005, 41, 129-135.	3.0	0
716	Backstepping observers for a class of parabolic PDEs. Systems and Control Letters, 2005, 54, 613-625.	1.3	378
717	Averaging analysis of periodically forced fluid networks. Automatica, 2005, 41, 129-135.	3.0	19
718	On control design for PDEs with space-dependent diffusivity or time-dependent reactivity. Automatica, 2005, 41, 1601-1608.	3.0	146
719	Optimal mixing enhancement in 3-D pipe flow. IEEE Transactions on Control Systems Technology, 2005, 13, 27-41.	3.2	45
720	Boundary Control of the Linearized Ginzburg-Landau Model of Vortex Shedding. SIAM Journal on Control and Optimization, 2005, 43, 1953-1971.	1.1	57

#	ARTICLE	IF	CITATIONS
721	Feedback control of particle dispersion in bluff body wakes. International Journal of Control, 2004, 77, 1001-1018.	1.2	7
722	Active control of jet mixing. IET Control Theory and Applications, 2004, 151, 763-772.	1.7	15
723	Stability of partial difference equations governing control gains in infinite-dimensional backstepping. Systems and Control Letters, 2004, 51, 151-164.	1.3	31
724	Slope seeking: a generalization of extremum seeking. International Journal of Adaptive Control and Signal Processing, 2004, 18, 1-22.	2.3	27
725	An adaptive algorithm for control of combustion instability. Automatica, 2004, 40, 1965-1972.	3.0	121
726	Feedback Linearizability and Explicit Integrator Forwarding Controllers for Classes of Feedforward Systems. IEEE Transactions on Automatic Control, 2004, 49, 1668-1682.	3.6	114
727	Closed-Form Boundary State Feedbacks for a Class of 1-D Partial Integro-Differential Equations. IEEE Transactions on Automatic Control, 2004, 49, 2185-2202.	3.6	452
728	Global Stabilization of a Nonlinear Ginzburg-Landau Model of Vortex Shedding. European Journal of Control, 2004, 10, 105-116.	1.6	23
729	Explicit control laws for some classes of feedforward systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 171-176.	0.4	1
730	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
731	Backstepping in Infinite Dimension for a Class of Parabolic Distributed Parameter Systems. Mathematics of Control, Signals, and Systems, 2003, 16, 44-75.	1.4	47
732	Control of mixing by boundary feedback in 2D channel flow. Automatica, 2003, 39, 1597-1606.	3.0	84
733	Nonlinear control of mine ventilation networks. Systems and Control Letters, 2003, 49, 239-254.	1.3	64
734	Stabilization of a solid propellant rocket instability by state feedback. International Journal of Robust and Nonlinear Control, 2003, 13, 483-495.	2.1	54
735	Discussion on: "Adaptive Extremum Seeking Control of Fed-Batch Bioreactors". European Journal of Control, 2003, 9, 632-633.	1.6	0
736	Control of a non-linear PDE system arising from non-burning tokamak plasma transport dynamics. International Journal of Control, 2003, 76, 1116-1124.	1.2	16
737	Flow Control by Feedback. Communications and Control Engineering, 2003, , .	1.0	59
738	Tailored Fuel Injection for Pulsed Detonation Engines via Feedback Control. Journal of Propulsion and Power, 2003, 19, 917-921.	1.3	1

#	ARTICLE	IF	CITATIONS
739	Formation Flight Optimization Using Extremum Seeking Feedback. Journal of Guidance, Control, and Dynamics, 2003, 26, 132-142.	1.6	124
740	Burn Control in Fusion Reactors via Nonlinear Stabilization Techniques. Fusion Science and Technology, 2003, 43, 18-37.	0.6	38
741	Explicit state and output feedback boundary controllers for partial differential equations. Journal of Automatic Control, 2003, 13, 1-9.	1.0	23
742	Analysis and design of multivariable extremum seeking. , 2002, , .		52
743	Control of formation flight via extremum seeking. , 2002, , .		24
744	NONLINEAR BACKSTEPPING CONTROL FOR THE FUEL DIFFUSION LAG IN FUSION REACTORS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 113-118.	0.4	1
745	BOUNDARY CONTROL OF A CLASS OF UNSTABLE PARABOLIC PDES VIA BACKSTEPPING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 431-436.	0.4	1
746	BOUNDARY CONTROL OF CHEMICAL TUBULAR REACTORS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 483-488.	0.4	0
747	Infinite Dimensional Backstepping-Style Feedback Transformations for a Heat Equation with an Arbitrary Level of Instability. European Journal of Control, 2002, 8, 165-175.	1.6	85
748	Extremum seeking control for discrete-time systems. IEEE Transactions on Automatic Control, 2002, 47, 318-323.	3.6	179
749	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.	1.6	0
750	Nonlinear Lyapunov-based burn control in fusion reactors. Fusion Engineering and Design, 2002, 63-64, 569-575.	1.0	6
751	Backstepping control of chemical tubular reactors. Computers and Chemical Engineering, 2002, 26, 1077-1085.	2.0	82
752	Stability enhancement by boundary control in 2-D channel flow. IEEE Transactions on Automatic Control, 2001, 46, 1696-1711.	3.6	60
753	Boundary control of an unstable heat equation via measurement of domain-averaged temperature. IEEE Transactions on Automatic Control, 2001, 46, 2022-2028.	3.6	167
754	Stability enhancement by boundary control in the Kuramoto-Sivashinsky equation. Nonlinear Analysis: Theory, Methods & Applications, 2001, 43, 485-507.	0.6	107
755	Adaptive control of Burgers' equation with unknown viscosity. International Journal of Adaptive Control and Signal Processing, 2001, 15, 745-766.	2.3	102
756	Nonlinear stabilization of a thermal convection loop by state feedback. Automatica, 2001, 37, 2033-2040.	3.0	37

#	ARTICLE	IF	CITATIONS
757	Control of Deep-Hysteresis Aeroengine Compressors1. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 140-152.	0.9	13
758	Strong stabilization of the system of linear elasticity by a Dirichlet boundary feedback. IMA Journal of Applied Mathematics, 2000, 65, 109-121.	0.8	6
759	Recursive scaling design for robust global nonlinear stabilization via output feedback. International Journal of Robust and Nonlinear Control, 2000, 10, 821-848.	2.1	10
760	Stability of extremum seeking feedback for general nonlinear dynamic systems. Automatica, 2000, 36, 595-601.	3.0	1,070
761	Backstepping boundary control of Burgers's equation with actuator dynamics. Systems and Control Letters, 2000, 41, 291-303.	1.3	86
762	Output-feedback stabilization of stochastic nonlinear systems driven by noise of unknown covariance. Systems and Control Letters, 2000, 39, 173-182.	1.3	162
763	Performance improvement and limitations in extremum seeking control. Systems and Control Letters, 2000, 39, 313-326.	1.3	324
764	Burgers' equation with nonlinear boundary feedback: H1 stability, well-posedness and simulation. Mathematical Problems in Engineering, 2000, 6, 189-200.	0.6	65
765	Boundary control of the Korteweg-de Vries-Burgers equation: further results on stabilization and well-posedness, with numerical demonstration. IEEE Transactions on Automatic Control, 2000, 45, 1739-1745.	3.6	62
766	Extremum seeking for limit cycle minimization. IEEE Transactions on Automatic Control, 2000, 45, 2432-2436.	3.6	102
767	Global boundary stabilization and regularization of Burgers' equation. , 1999, , .		0
768	Controlling nonlinear water waves: boundary stabilization of the Korteweg-de Vries-Burgers equation. , 1999, , .		0
769	Global attitude/position regulation for underwater vehicles. International Journal of Systems Science, 1999, 30, 939-946.	3.7	10
770	Self-tuning control of a nonlinear model of combustion instabilities. IEEE Transactions on Control Systems Technology, 1999, 7, 424-436.	3.2	65
771	On global stabilization of Burgers's equation by boundary control. Systems and Control Letters, 1999, 37, 123-141.	1.3	149
772	Optimizing bioreactors by extremum seeking. International Journal of Adaptive Control and Signal Processing, 1999, 13, 651-669.	2.3	160
773	Inverse optimal stabilization of a rigid spacecraft. IEEE Transactions on Automatic Control, 1999, 44, 1042-1049.	3.6	287
774	Feedback attenuation and adaptive cancellation of blade vortex interaction on a helicopter blade element. IEEE Transactions on Control Systems Technology, 1999, 7, 596-605.	3.2	41

#	ARTICLE	IF	CITATIONS
775	Output-feedback stochastic nonlinear stabilization. IEEE Transactions on Automatic Control, 1999, 44, 328-333.	3.6	410
776	Boundary control of the Kuramoto-Sivashinsky equation with low anti-dissipation. , 1999, , .		2
777	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
778	Output-Feedback Control of stochastic nonlinear systems. , 1999, , 269-289.		0
779	Adaptive Backstepping with Parameter Projection: Robustness and Asymptotic Performance. Automatica, 1998, 34, 429-435.	3.0	41
780	Robustness of Adaptive Nonlinear Control to Bounded Uncertainties. Automatica, 1998, 34, 1227-1230.	3.0	73
781	Robustness of the tuning functions adaptive backstepping design for linear systems. IEEE Transactions on Automatic Control, 1998, 43, 431-437.	3.6	78
782	Useful nonlinearities and global stabilization of bifurcations in a model of jet engine surge and stall. IEEE Transactions on Automatic Control, 1998, 43, 1739-1745.	3.6	79
783	Inverse optimal design of input-to-state stabilizing nonlinear controllers. IEEE Transactions on Automatic Control, 1998, 43, 336-350.	3.6	265
784	Geometric/asymptotic properties of adaptive nonlinear systems with partial excitation. IEEE Transactions on Automatic Control, 1998, 43, 419-425.	3.6	3
785	Feedback attenuation and adaptive cancellation of blade vortex interaction noise on a helicopter blade element. , 1998, , .		0
786	Stabilization of stochastic nonlinear systems driven by noise of unknown covariance. , 1998, , .		15
787	Experimental application of extremum seeking on an axial-flow compressor. , 1998, , .		6
788	Stability margins in inverse optimal input-to-state stabilization. , 1998, , .		6
789	Adaptive Stabilization of Stochastic Nonlinear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 473-480.	0.4	6
790	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
791	<title>Active control of blade vortex interaction noise on a helicopter blade element</title>. , 1998, 3323, 534.		0
792	Control of deep-hysteresis aeroengine compressors. I. A Moore-Greitzer type model. , 1997, , .		6

#	ARTICLE	IF	CITATIONS
793	Maximizing regions of attraction via backstepping and CLFs with singularities. Systems and Control Letters, 1997, 30, 195-207.	1.3	11
794	Stochastic nonlinear stabilization $\hat{\sigma}$ II: Inverse optimality. Systems and Control Letters, 1997, 32, 151-159.	1.3	156
795	Stochastic nonlinear stabilization $\hat{\sigma}$ I: A backstepping design. Systems and Control Letters, 1997, 32, 143-150.	1.3	573
796	Optimal design of adaptive tracking controllers for non-linear systems. Automatica, 1997, 33, 1459-1473.	3.0	96
797	Invariant manifolds and asymptotic properties of adaptive nonlinear stabilizers. IEEE Transactions on Automatic Control, 1996, 41, 817-829.	3.6	42
798	Control of wing rock motion using adaptive feedback linearization. Journal of Guidance, Control, and Dynamics, 1996, 19, 905-912.	1.6	99
799	Adaptive nonlinear output-feedback schemes with Marino-Tomei controller. IEEE Transactions on Automatic Control, 1996, 41, 274-280.	3.6	84
800	Robust control of nonlinear systems with input unmodeled dynamics. IEEE Transactions on Automatic Control, 1996, 41, 913-920.	3.6	115
801	Modular approach to adaptive nonlinear stabilization. Automatica, 1996, 32, 625-629.	3.0	30
802	Control Lyapunov functions for adaptive nonlinear stabilization. Systems and Control Letters, 1995, 26, 17-23.	1.3	63
803	Adaptive nonlinear design with controller-identifier separation and swapping. IEEE Transactions on Automatic Control, 1995, 40, 426-440.	3.6	366
804	Estimation-Based Schemes for Adaptive Nonlinear State-Feedback Control*. The IMA Volumes in Mathematics and Its Applications, 1995, , 165-198.	0.5	3
805	Passivity and parametric robustness of a new class of adaptive systems. Automatica, 1994, 30, 1703-1716.	3.0	38
806	Observer-based schemes for adaptive nonlinear state-feedback control. International Journal of Control, 1994, 59, 1373-1381.	1.2	21
807	Nonlinear design of adaptive controllers for linear systems. IEEE Transactions on Automatic Control, 1994, 39, 738-752.	3.6	209
808	Transient-performance improvement with a new class of adaptive controllers. Systems and Control Letters, 1993, 21, 451-461.	1.3	127
809	Adaptive Nonlinear Output-Feedback Control with an Observer-Based Identifier. , 1993, , .		11
810	Adaptive nonlinear control without overparametrization. Systems and Control Letters, 1992, 19, 177-185.	1.3	651

#	ARTICLE	IF	CITATIONS
811	Adaptive nonlinear control with nonlinear swapping. , 0, , .		11
812	Lean backstepping design for a jet engine compressor model. , 0, , .		43
813	Self-tuning control of a nonlinear model of combustion instabilities. , 0, , .		2
814	Control of deep-hysteresis compressors under limited actuator bandwidth. , 0, , .		4
815	Stability enhancement by boundary control in 2D channel flow. I. Regularity of solutions. , 0, , .		8
816	Global attitude/position regulation for underwater vehicles. , 0, , .		3
817	Towards faster adaptation in extremum seeking control. , 0, , .		6
818	Identification of averaged dynamics of a controlled combustion instability. , 0, , .		4
819	Tuning of a combustion controller by extremum seeking: a simulation study. , 0, , .		9
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#	ARTICLE	IF	CITATIONS
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