

Miroslav Krstic

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739
papers

22,386
citations

76
h-index

128
g-index

872
ext. papers

28,522
ext. citations

3.2
avg, IF

7.9
L-index

#	Paper	IF	Citations
739	Stability of extremum seeking feedback for general nonlinear dynamic systems. <i>Automatica</i> , 2000 , 36, 595-601	5.7	788
738	Boundary Control of PDEs 2008 ,		599
737	2003 ,		544
736	Adaptive nonlinear control without overparametrization. <i>Systems and Control Letters</i> , 1992 , 19, 177-185	2.4	488
735	Delay Compensation for Nonlinear, Adaptive, and PDE Systems 2009 ,		433
734	Backstepping boundary control for first-order hyperbolic PDEs and application to systems with actuator and sensor delays. <i>Systems and Control Letters</i> , 2008 , 57, 750-758	2.4	433
733	Stochastic nonlinear stabilization II: A backstepping design. <i>Systems and Control Letters</i> , 1997 , 32, 143-150	2.4	389
732	. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 2185-2202	5.9	333
731	Output-feedback stochastic nonlinear stabilization. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 328-333	5.9	310
730	. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 426-440	5.9	301
729	Backstepping observers for a class of parabolic PDEs. <i>Systems and Control Letters</i> , 2005 , 54, 613-625	2.4	280
728	Performance improvement and limitations in extremum seeking control. <i>Systems and Control Letters</i> , 2000 , 39, 313-326	2.4	256
727	Input Delay Compensation for Forward Complete and Strict-Feedforward Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 287-303	5.9	253
726	Inverse optimal stabilization of a rigid spacecraft. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 1042-1049	5.9	213
725	Lyapunov Stability of Linear Predictor Feedback for Time-Varying Input Delay. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 554-559	5.9	205
724	PID tuning using extremum seeking: online, model-free performance optimization. <i>IEEE Control Systems</i> , 2006 , 26, 70-79	2.9	195
723	Robust dynamic positioning of ships with disturbances under input saturation. <i>Automatica</i> , 2016 , 73, 207-214	5.7	195

722	Time-varying feedback for regulation of normal-form nonlinear systems in prescribed finite time. <i>Automatica</i> , 2017 , 83, 243-251	5.7	194
721	Local Exponential H^2 Stabilization of a 2×2 Quasilinear Hyperbolic System Using Backstepping. <i>SIAM Journal on Control and Optimization</i> , 2013 , 51, 2005-2035	1.9	192
720	Inverse optimal design of input-to-state stabilizing nonlinear controllers. <i>IEEE Transactions on Automatic Control</i> , 1998 , 43, 336-350	5.9	184
719	. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 1192-1207	5.9	173
718	Nonlinear Stabilization Under Sampled and Delayed Measurements, and With Inputs Subject to Delay and Zero-Order Hold. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 1141-1154	5.9	167
717	Lyapunov tools for predictor feedbacks for delay systems: Inverse optimality and robustness to delay mismatch. <i>Automatica</i> , 2008 , 44, 2930-2935	5.7	167
716	Multivariable Newton-based extremum seeking. <i>Automatica</i> , 2012 , 48, 1759-1767	5.7	166
715	Adaptive trajectory tracking despite unknown input delay and plant parameters. <i>Automatica</i> , 2009 , 45, 2074-2081	5.7	162
714	Stabilization of a System of $n+1$ Coupled First-Order Hyperbolic Linear PDEs With a Single Boundary Input. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 3097-3111	5.9	161
713	Adaptive Boundary Control for Unstable Parabolic PDEs Part I: Lyapunov Design. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1575-1591	5.9	161
712	Adaptive Control of Parabolic PDEs 2010 ,		154
711	Compensation of State-Dependent Input Delay for Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 275-289	5.9	152
710	Output-feedback stabilization of an unstable wave equation. <i>Automatica</i> , 2008 , 44, 63-74	5.7	150
709	Compensating actuator and sensor dynamics governed by diffusion PDEs. <i>Systems and Control Letters</i> , 2009 , 58, 372-377	2.4	146
708	Source seeking with non-holonomic unicycle without position measurement and with tuning of forward velocity. <i>Systems and Control Letters</i> , 2007 , 56, 245-252	2.4	142
707	. <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 738-752	5.9	139
706	Control of Homodirectional and General Heterodirectional Linear Coupled Hyperbolic PDEs. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3301-3314	5.9	138
705	Adaptive Partial Differential Equation Observer for Battery State-of-Charge/State-of-Health Estimation Via an Electrochemical Model. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2014 , 136,	1.6	130

704	Delay-Adaptive Predictor Feedback for Systems With Unknown Long Actuator Delay \$ \$. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 2106-2112	5.9	129
703	Fault-tolerant finite time consensus for multiple uncertain nonlinear mechanical systems under single-way directed communication interactions and actuation failures. <i>Automatica</i> , 2016 , 63, 374-383	5.7	128
702	Control of PDE cascades with Neumann interconnections. <i>Journal of the Franklin Institute</i> , 2010 , 347, 284-314	4	128
701	Extremum seeking control for discrete-time systems. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 318-323	5.9	128
700	Output-feedback stabilization of stochastic nonlinear systems driven by noise of unknown covariance. <i>Systems and Control Letters</i> , 2000 , 39, 173-182	2.4	127
699	Boundary control of an unstable heat equation via measurement of domain-averaged temperature. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 2022-2028	5.9	127
698	Battery State Estimation for a Single Particle Model With Electrolyte Dynamics. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 453-468	4.8	125
697	Compensation of Time-Varying Input and State Delays for Nonlinear Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2012 , 134,	1.6	125
696	Optimizing bioreactors by extremum seeking. <i>International Journal of Adaptive Control and Signal Processing</i> , 1999 , 13, 651-669	2.8	125
695	Nonholonomic Source Seeking With Tuning of Angular Velocity. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 717-731	5.9	119
694	Backstepping boundary stabilization and state estimation of a 2-D linear hyperbolic system 2011 ,		118
693	Compensating a String PDE in the Actuation or Sensing Path of an Unstable ODE. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1362-1368	5.9	116
692	On global stabilization of Burgers' equation by boundary control. <i>Systems and Control Letters</i> , 1999 , 37, 123-141	2.4	112
691	Stochastic nonlinear stabilization III: Inverse optimality. <i>Systems and Control Letters</i> , 1997 , 32, 151-159	2.4	111
690	Adaptive boundary control for unstable parabolic PDEs Part II: Estimation-based designs. <i>Automatica</i> , 2007 , 43, 1543-1556	5.7	109
689	On control design for PDEs with space-dependent diffusivity or time-dependent reactivity. <i>Automatica</i> , 2005 , 41, 1601-1608	5.7	107
688	Lyapunov Stability of Linear Predictor Feedback for Distributed Input Delays. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 655-660	5.9	106
687	Transient-performance improvement with a new class of adaptive controllers. <i>Systems and Control Letters</i> , 1993 , 21, 451-461	2.4	105

686	Prescribed-Time Consensus and Containment Control of Networked Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1138-1147	10.2	103
685	PDE Boundary Control for Flexible Articulated Wings on a Robotic Aircraft. <i>IEEE Transactions on Robotics</i> , 2013 , 29, 625-640	6.5	100
684	Robustness of nonlinear predictor feedback laws to time- and state-dependent delay perturbations. <i>Automatica</i> , 2013 , 49, 1576-1590	5.7	100
683	Extremum seeking for moderately unstable systems and for autonomous vehicle target tracking without position measurements. <i>Automatica</i> , 2007 , 43, 1832-1839	5.7	97
682	An adaptive algorithm for control of combustion instability. <i>Automatica</i> , 2004 , 40, 1965-1972	5.7	96
681	Delay-Adaptive Control for Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1203-1218	5.7	95
680	Compensation of Infinite-Dimensional Actuator and Sensor Dynamics. <i>IEEE Control Systems</i> , 2010 , 30, 22-41	2.9	94
679	Boundary Stabilization of a 1-D Wave Equation with In-Domain Antidamping. <i>SIAM Journal on Control and Optimization</i> , 2010 , 48, 4014-4031	1.9	94
678	Adaptive boundary control for unstable parabolic PDEs Part III: Output feedback examples with swapping identifiers. <i>Automatica</i> , 2007 , 43, 1557-1564	5.7	92
677	Control of 1-D parabolic PDEs with Volterra nonlinearities, Part I: Design. <i>Automatica</i> , 2008 , 44, 2778-2790	5.7	92
676	Feedback linearizability and explicit integrator forwarding controllers for classes of feedforward systems. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 1668-1682	5.9	92
675	Lyapunov-Krasovskii functionals and application to input delay compensation for linear time-invariant systems. <i>Automatica</i> , 2012 , 48, 1317-1323	5.7	91
674	Boundary control of an anti-stable wave equation with anti-damping on the uncontrolled boundary. <i>Systems and Control Letters</i> , 2009 , 58, 617-623	2.4	90
673	Boundary observer design for hyperbolic PDE cascade systems. <i>Automatica</i> , 2016 , 68, 75-86	5.7	89
672	Formation Flight Optimization Using Extremum Seeking Feedback. <i>Journal of Guidance, Control, and Dynamics</i> , 2003 , 26, 132-142	2.1	89
671	Stabilization of linear strict-feedback systems with delayed integrators. <i>Automatica</i> , 2010 , 46, 1902-1910	5.7	85
670	Extremum Seeking With Stochastic Perturbations. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 580-585	5.7	83
669	Adaptive control of Burgers' equation with unknown viscosity. <i>International Journal of Adaptive Control and Signal Processing</i> , 2001 , 15, 745-766	2.8	83

668	Improved Synchronverters with Bounded Frequency and Voltage for Smart Grid Integration. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 786-796	10.7	81
667	Robust control of nonlinear systems with input unmodeled dynamics. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 913-920	5.9	81
666	Arbitrary Decay Rate for Euler-Bernoulli Beam by Backstepping Boundary Feedback. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1134-1140	5.9	79
665	Delay-adaptive feedback for linear feedforward systems. <i>Systems and Control Letters</i> , 2010 , 59, 277-283	2.4	79
664	Extremum seeking for limit cycle minimization. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 2432-2436	4.36	78
663	Control of wing rock motion using adaptive feedback linearization. <i>Journal of Guidance, Control, and Dynamics</i> , 1996 , 19, 905-912	2.1	74
662	Nonlinear Control Under Nonconstant Delays 2013 ,		73
661	Sampled-data boundary feedback control of 1-D parabolic PDEs. <i>Automatica</i> , 2018 , 87, 226-237	5.7	72
660	ISS with Respect to Boundary Disturbances for 1-D Parabolic PDEs. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3712-3724	5.9	71
659	Nonovershooting Control of Strict-Feedback Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 1938-1943	5.9	71
658	Infinite Dimensional Backstepping-Style Feedback Transformations for a Heat Equation with an Arbitrary Level of Instability. <i>European Journal of Control</i> , 2002 , 8, 165-175	2.5	71
657	Output-feedback adaptive control of a wave PDE with boundary anti-damping. <i>Automatica</i> , 2014 , 50, 1407-1415	5.7	70
656	Control of an unstable reaction-diffusion PDE with long input delay. <i>Systems and Control Letters</i> , 2009 , 58, 773-782	2.4	70
655	Stability enhancement by boundary control in the Kuramoto-Sivashinsky equation. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2001 , 43, 485-507	1.3	70
654	Stabilization of coupled linear heterodirectional hyperbolic PDE systems. <i>Automatica</i> , 2018 , 87, 281-289	5.7	69
653	HCCI Engine Combustion-Timing Control: Optimizing Gains and Fuel Consumption Via Extremum Seeking. <i>IEEE Transactions on Control Systems Technology</i> , 2009 , 17, 1350-1361	4.8	68
652	On Compensating Long Actuator Delays in Nonlinear Control. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1684-1688	5.9	67
651	Backstepping control of chemical tubular reactors. <i>Computers and Chemical Engineering</i> , 2002 , 26, 1077-1085	4.085	67

650	Nonlinear stabilization through wave PDE dynamics with a moving uncontrolled boundary. <i>Automatica</i> , 2016 , 68, 27-38	5.7	66
649	Power Optimization and Control in Wind Energy Conversion Systems Using Extremum Seeking. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 1684-1695	4.8	66
648	Minimum-Seeking for CLFs: Universal Semiglobally Stabilizing Feedback Under Unknown Control Directions. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 1107-1122	5.9	66
647	. <i>IEEE Transactions on Automatic Control</i> , 1998 , 43, 431-437	5.9	66
646	. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 179-185	5.9	64
645	Control of a Tip-Force Destabilized Shear Beam by Observer-Based Boundary Feedback. <i>SIAM Journal on Control and Optimization</i> , 2008 , 47, 553-574	1.9	64
644	Backstepping boundary control of Burgers's equation with actuator dynamics. <i>Systems and Control Letters</i> , 2000 , 41, 291-303	2.4	64
643	Stabilization of nonlinear delay systems using approximate predictors and high-gain observers. <i>Automatica</i> , 2013 , 49, 3623-3631	5.7	63
642	Stochastic Averaging in Continuous Time and Its Applications to Extremum Seeking. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 2235-2250	5.9	63
641	Adaptive control of PDEs. <i>Annual Reviews in Control</i> , 2008 , 32, 149-160	10.3	63
640	Adaptive output-feedback stabilization of non-local hyperbolic PDEs. <i>Automatica</i> , 2014 , 50, 2692-2699	5.7	62
639	Stochastic source seeking for nonholonomic unicycle. <i>Automatica</i> , 2010 , 46, 1443-1453	5.7	61
638	Control of mixing by boundary feedback in 2D channel flow. <i>Automatica</i> , 2003 , 39, 1597-1606	5.7	61
637	Adaptive nonlinear output-feedback schemes with Marino-Tomei controller. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 274-280	5.9	61
636	Delay-robustness of linear predictor feedback without restriction on delay rate. <i>Automatica</i> , 2013 , 49, 1761-1767	5.7	60
635	. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 1791-1806	5.9	60
634	Optimal design of adaptive tracking controllers for non-linear systems. <i>Automatica</i> , 1997 , 33, 1459-1473	5.7	60
633	Stabilization of an ODE Schrödinger Cascade. <i>Systems and Control Letters</i> , 2013 , 62, 503-510	2.4	59

632	Boundary Controllers and Observers for the Linearized Schrödinger Equation. <i>SIAM Journal on Control and Optimization</i> , 2011 , 49, 1479-1497	1.9	58
631	Extremum Seeking for Static Maps With Delays. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 1911-1936	5.9	57
630	Extremum seeking with bounded update rates. <i>Systems and Control Letters</i> , 2014 , 63, 25-31	2.4	57
629	Robustness of Adaptive Nonlinear Control to Bounded Uncertainties. <i>Automatica</i> , 1998 , 34, 1227-1230	5.7	57
628	Useful nonlinearities and global stabilization of bifurcations in a model of jet engine surge and stall. <i>IEEE Transactions on Automatic Control</i> , 1998 , 43, 1739-1745	5.9	57
627	Rejection of sinusoidal disturbance of unknown frequency for linear system with input delay 2010 ,		55
626	Time-varying feedback for stabilization in prescribed finite time. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 618-633	3.6	55
625	Compensation of Wave Actuator Dynamics for Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1555-1570	5.9	53
624	Self-tuning control of a nonlinear model of combustion instabilities. <i>IEEE Transactions on Control Systems Technology</i> , 1999 , 7, 424-436	4.8	53
623	Boundary Control of Coupled Reaction-Advection-Diffusion Systems With Spatially-Varying Coefficients. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 2026-2033	5.9	52
622	3-D Source Seeking for Underactuated Vehicles Without Position Measurement. <i>IEEE Transactions on Robotics</i> , 2009 , 25, 117-129	6.5	52
621	Traffic congestion control for Aw-Rascle-Zhang model. <i>Automatica</i> , 2019 , 100, 38-51	5.7	51
620	Backstepping-Forwarding Control and Observation for Hyperbolic PDEs With Fredholm Integrals. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 2145-2160	5.9	50
619	Adaptive backstepping control of uncertain linear systems under unknown actuator delay. <i>Automatica</i> , 2015 , 54, 256-265	5.7	49
618	Adaptive sinusoidal disturbance cancellation for unknown LTI systems despite input delay. <i>Automatica</i> , 2015 , 58, 131-138	5.7	49
617	Marcum γ -functions and explicit kernels for stabilization of linear hyperbolic systems with constant coefficients. <i>Systems and Control Letters</i> , 2014 , 68, 33-42	2.4	49
616	Finite-time multi-agent deployment: A nonlinear PDE motion planning approach. <i>Automatica</i> , 2011 , 47, 2534-2542	5.7	48
615	Nonlinear control of mine ventilation networks. <i>Systems and Control Letters</i> , 2003 , 49, 239-254	2.4	48

614	Stability enhancement by boundary control in 2-D channel flow. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 1696-1711	5.9	48
613	ISS In Different Norms For 1-D Parabolic Pdes With Boundary Disturbances. <i>SIAM Journal on Control and Optimization</i> , 2017 , 55, 1716-1751	1.9	47
612	Stochastic Averaging and Stochastic Extremum Seeking. <i>Communications and Control Engineering</i> , 2012 ,	0.6	47
611	Multi-Agent Deployment in 3-D via PDE Control. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 891-906	5.6	46
610	Dynamic positioning of ships with unknown parameters and disturbances. <i>Control Engineering Practice</i> , 2018 , 76, 22-30	3.9	46
609	Source Seeking for Two Nonholonomic Models of Fish Locomotion. <i>IEEE Transactions on Robotics</i> , 2009 , 25, 1166-1176	6.5	46
608	Boundary Control of the Linearized Ginzburg--Landau Model of Vortex Shedding. <i>SIAM Journal on Control and Optimization</i> , 2005 , 43, 1953-1971	1.9	46
607	Exact predictor feedbacks for multi-input LTI systems with distinct input delays. <i>Automatica</i> , 2016 , 71, 143-150	5.7	45
606	On the relation of delay equations to first-order hyperbolic partial differential equations. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2014 , 20, 894-923	1	45
605	A Closed-Form Feedback Controller for Stabilization of the Linearized 2-D NavierStokes Poiseuille System. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 2298-2312	5.9	45
604	Bounded Integral Control of Input-to-State Practically Stable Nonlinear Systems to Guarantee Closed-Loop Stability. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 4196-4202	5.9	44
603	An Adaptive Observer Design for $n+1$ Coupled Linear Hyperbolic PDEs Based on Swapping. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3979-3990	5.9	43
602	Wave Equation Stabilization by Delays Equal to Even Multiples of the Wave Propagation Time. <i>SIAM Journal on Control and Optimization</i> , 2011 , 49, 517-554	1.9	43
601	Burgers' equation with nonlinear boundary feedback:H1 stability, well-posedness and simulation. <i>Mathematical Problems in Engineering</i> , 2000 , 6, 189-200	1.1	43
600	Boundary control of the Korteweg-de Vries-Burgers equation: further results on stabilization and well-posedness, with numerical demonstration. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1739-1745	5.9	43
599	Prescribed-Time Observers for Linear Systems in Observer Canonical Form. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 3905-3912	5.9	43
598	Nonlinear control under wave actuator dynamics with time- and state-dependent moving boundary. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 222-251	3.6	42
597	Adaptive Control With Exponential Regulation in the Absence of Persistent Excitation. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 2589-2596	5.9	42

596	Compensating the Distributed Effect of Diffusion and Counter-Convection in Multi-Input and Multi-Output LTI Systems. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 637-643	5.9	42
595	Predictor-Feedback Stabilization of Multi-Input Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 516-531	5.9	41
594	Adaptive-gain observer-based stabilization of stochastic strict-feedback systems with sensor uncertainty. <i>Automatica</i> , 2020 , 120, 109112	5.7	41
593	Control of 1D parabolic PDEs with Volterra nonlinearities, Part II: Analysis. <i>Automatica</i> , 2008 , 44, 2791-2803	5.7	41
592	Global stabilisation of nonlinear delay systems with a compact absorbing set. <i>International Journal of Control</i> , 2014 , 87, 1010-1027	1.5	40
591	Power Optimization for Photovoltaic Microconverters Using Multivariable Newton-Based Extremum Seeking. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 2141-2149	4.8	40
590	Stabilization of Reaction Diffusion Equations With State Delay Using Boundary Control Input. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 4041-4047	5.9	40
589	Adaptive finite time coordinated consensus for high-order multi-agent systems: Adjustable fraction power feedback approach. <i>Information Sciences</i> , 2016 , 372, 392-406	7.7	39
588	Observer design for a class of nonlinear ODE/PDE cascade systems. <i>Systems and Control Letters</i> , 2015 , 83, 19-27	2.4	38
587	State derivative feedback for adaptive cancellation of unmatched disturbances in unknown strict-feedback LTI systems. <i>Automatica</i> , 2014 , 50, 2539-2545	5.7	38
586	Iterative learning control based on extremum seeking. <i>Automatica</i> , 2016 , 66, 238-245	5.7	37
585	Systematization of approaches to adaptive boundary stabilization of PDEs. <i>International Journal of Robust and Nonlinear Control</i> , 2006 , 16, 801-818	3.6	37
584	Backstepping in Infinite Dimension for a Class of Parabolic Distributed Parameter Systems. <i>Mathematics of Control, Signals, and Systems</i> , 2003 , 16, 44-75	1.3	37
583	Numerical schemes for nonlinear predictor feedback. <i>Mathematics of Control, Signals, and Systems</i> , 2014 , 26, 519-546	1.3	36
582	Stochastic Nash Equilibrium Seeking for Games with General Nonlinear Payoffs. <i>SIAM Journal on Control and Optimization</i> , 2011 , 49, 1659-1679	1.9	36
581	Flow Control by Feedback. <i>Communications and Control Engineering</i> , 2003 ,	0.6	36
580	Quantized-Input Control Lyapunov Approach for Permanent Magnet Synchronous Motor Drives. <i>IEEE Transactions on Control Systems Technology</i> , 2013 , 21, 1784-1794	4.8	35
579	Stabilization of a solid propellant rocket instability by state feedback. <i>International Journal of Robust and Nonlinear Control</i> , 2003 , 13, 483-495	3.6	35

578	Control Lyapunov functions for adaptive nonlinear stabilization. <i>Systems and Control Letters</i> , 1995 , 26, 17-23	2.4	35
577	Adaptive rejection of harmonic disturbance anticollocated with control in 1D wave equation. <i>Automatica</i> , 2017 , 79, 17-26	5.7	34
576	Laser pulse shaping via extremum seeking. <i>Control Engineering Practice</i> , 2012 , 20, 674-683	3.9	34
575	Nonlinear Stabilization of Shock-Like Unstable Equilibria in the Viscous Burgers PDE. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1678-1683	5.9	34
574	Adaptive Output Feedback Control for Uncertain Linear Time-Delay Systems. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 545-560	5.9	33
573	A dynamic high-gain design for prescribed-time regulation of nonlinear systems. <i>Automatica</i> , 2020 , 115, 108860	5.7	33
572	Axial Vibration Suppression in a Partial Differential Equation Model of Ascending Mining Cable Elevator. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018 , 140,	1.6	33
571	Reduction of DC-bus voltage ripples and capacitors for single-phase PWM-controlled rectifiers 2012 ,		33
570	Boundary Observer for Output-Feedback Stabilization of Thermal-Fluid Convection Loop. <i>IEEE Transactions on Control Systems Technology</i> , 2010 , 18, 789-797	4.8	33
569	Analysis and design of multivariable extremum seeking 2002 ,		33
568	Stabilization of linearized 2D magnetohydrodynamic channel flow by backstepping boundary control. <i>Systems and Control Letters</i> , 2008 , 57, 805-812	2.4	32
567	Prescribed-time output feedback for linear systems in controllable canonical form. <i>Automatica</i> , 2019 , 107, 77-85	5.7	31
566	Compensation of state-dependent state delay for nonlinear systems. <i>Systems and Control Letters</i> , 2012 , 61, 849-856	2.4	31
565	Finite-horizon LQ control for unknown discrete-time linear systems via extremum seeking. <i>European Journal of Control</i> , 2013 , 19, 399-407	2.5	31
564	A globally asymptotically stable polynomial vector field with no polynomial Lyapunov function 2011 ,		31
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