Zongli Lin

List of Publications by Year
in descending order

499 papers	18,863 citations	15466 65 h-index	18606 119 g-index
505 all docs	505 docs citations	505 times ranked	6159 citing authors

#	Article	IF	Citations
1	Control Systems with Actuator Saturation. , 2001, , .		936
2	Flocking of Multi-Agents With a Virtual Leader. IEEE Transactions on Automatic Control, 2009, 54, 293-307.	3.6	778
3	An analysis and design method for linear systems subject to actuator saturation and disturbance. Automatica, 2002, 38, 351-359.	3.0	709
4	Adaptive second-order consensus of networked mobile agents with nonlinear dynamics. Automatica, 2011, 47, 368-375.	3.0	471
5	Semi-global exponential stabilization of linear systems subject to â€œinput saturationâ€•via linear feedbacks. Systems and Control Letters, 1993, 21, 225-239.	1.3	462
6	Semi-Global Leader-Following Consensus of Linear Multi-Agent Systems With Input Saturation via Low Gain Feedback. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1881-1889.	3.5	450
7	Control of linear systems with saturating actuators. IEEE Transactions on Automatic Control, 1996, 41, 368-378.	3.6	435
8	A survey of distributed optimization. Annual Reviews in Control, 2019, 47, 278-305.	4.4	427
9	Analysis and design for discrete-time linear systems subject to actuator saturation. Systems and Control Letters, 2002, 45, 97-112.	1.3	401
10	A deep learning-based multi-model ensemble method for cancer prediction. Computer Methods and Programs in Biomedicine, 2018, 153, 1-9.	2.6	333
11	Robust stability analysis and fuzzy-scheduling control for nonlinear systems subject to actuator saturation. IEEE Transactions on Fuzzy Systems, 2003, 11, 57-67.	6.5	291
12	Toward improvement of tracking performance nonlinear feedback for linear systems. International Journal of Control, 1998, 70, 1-11.	1.2	274
13	Consensus of high-order multi-agent systems with large input and communication delays. Automatica, 2014, 50, 452-464.	3.0	262
14	Composite quadratic Lyapunov functions for constrained control systems. IEEE Transactions on Automatic Control, 2003, 48, 440-450.	3.6	254
15	Truncated predictor feedback for linear systems with long time-varying input delays. Automatica, 2012, 48, 2387-2399.	3.0	253
16	On global leader-following consensus of identical linear dynamic systems subject to actuator saturation. Systems and Control Letters, 2013, 62, 132-142.	1.3	236
17	An antiwindup approach to enlarging domain of attraction for linear systems subject to actuator saturation. IEEE Transactions on Automatic Control, 2002, 47, 140-145.	3.6	222
18	A Parametric Lyapunov Equation Approach to the Design of Low Gain Feedback. IEEE Transactions on Automatic Control, 2008, 53, 1548-1554.	3.6	221

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19	Stability analysis of discrete-time systems with actuator saturation by a saturation-dependent Lyapunov function. Automatica, 2003, 39, 1235-1241.	3.0	202
20	Output regulation for linear systems subject to input saturation. Automatica, 1996, 32, 29-47.	3.0	197
21	Analysis of linear systems in the presence of actuator saturation and L2-disturbances. Automatica, 2004, 40, 1229-1238.	3.0	193
22	Stability analysis of linear time-delay systems subject to input saturation. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 233-240.	0.1	192
23	On Asymptotic Stabilizability of Linear Systems With Delayed Input. IEEE Transactions on Automatic Control, 2007, 52, 998-1013.	3.6	188
24	Global Control of Linear Systems with Saturating Actuators. Automatica, 1998, 34, 897-905.	3.0	182
25	Synchronization of coupled harmonic oscillators in a dynamic proximity network. Automatica, 2009, 45, 2286-2291.	3.0	178
26	Semi-global exponential stabilization of linear discrete-time systems subject to input saturation via linear feedbacks. Systems and Control Letters, 1995, 24, 125-132.	1.3	174
27	Further results on input-to-state stability for nonlinear systems with delayed feedbacks. Automatica, 2008, 44, 2415-2421.	3.0	150
28	Robust cooperative tracking for multiple non-identical second-order nonlinear systems. Automatica, 2013, 49, 2363-2372.	3.0	143
29	A semiâ€global lowâ€andâ€high gain design technique for linear systems with input saturationâ€"stabilization and disturbance rejection. International Journal of Robust and Nonlinear Control, 1995, 5, 381-398.	2.1	135
30	Set invariance analysis and gain-scheduling control for LPV systems subject to actuator saturation. Systems and Control Letters, 2002, 46, 137-151.	1.3	132
31	Consensus of discrete-time multi-agent systems with transmission nonlinearity. Automatica, 2013, 49, 1768-1775.	3.0	131
32	Stabilization of Switched Systems via Composite Quadratic Functions. IEEE Transactions on Automatic Control, 2008, 53, 2571-2585.	3.6	120
33	Consensus of Discrete-Time Second-Order Multiagent Systems Based on Infinite Products of General Stochastic Matrices. SIAM Journal on Control and Optimization, 2013, 51, 3274-3301.	1.1	118
34	Consensus Control of a Class of Lipschitz Nonlinear Systems With Input Delay. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2730-2738.	3.5	118
35	A parametric periodic Lyapunov equation with application in semi-global stabilization of discrete-time periodic systems subject to actuator saturation. Automatica, 2011, 47, 316-325.	3.0	117
36	Stabilization of linear systems with distributed input delay and input saturation. Automatica, 2012, 48, 712-724.	3.0	117

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37	Lyapunov Differential Equation Approach to Elliptical Orbital Rendezvous with Constrained Controls. Journal of Guidance, Control, and Dynamics, 2011, 34, 345-358.	1.6	116
38	Design, Construction, and Modeling of a Flexible Rotor Active Magnetic Bearing Test Rig. IEEE/ASME Transactions on Mechatronics, 2012, 17, 1170-1182.	3.7	113
39	Semi-global stabilization of linear systems with position and rate-limited actuators. Systems and Control Letters, 1997, 30, 1-11.	1.3	112
40	Leader–follower swarm tracking for networked Lagrange systems. Systems and Control Letters, 2012, 61, 117-126.	1.3	106
41	Semiglobal stabilization of linear discrete-time systems subject to input saturation, via linear feedback-an ARE-based approach. IEEE Transactions on Automatic Control, 1996, 41, 1203-1207.	3.6	105
42	A Descriptor System Approach to Robust Stability Analysis and Controller Synthesis. IEEE Transactions on Automatic Control, 2004, 49, 2081-2084.	3.6	105
43	Absolute Stability With a Generalized Sector Condition. IEEE Transactions on Automatic Control, 2004, 49, 535-548.	3.6	102
44	Exact characterization of invariant ellipsoids for single input linear systems subject to actuator saturation. IEEE Transactions on Automatic Control, 2002, 47, 164-169.	3.6	101
45	Truncated predictor feedback control for exponentially unstable linear systems with time-varying input delay. Systems and Control Letters, 2013, 62, 837-844.	1.3	101
46	Robust semiglobal stabilization of minimum-phase input-output linearizable systems via partial state and output feedback. IEEE Transactions on Automatic Control, 1995, 40, 1029-1041.	3.6	99
47	Stabilization of linear systems with input delay and saturation—A parametric Lyapunov equation approach. International Journal of Robust and Nonlinear Control, 2010, 20, 1502-1519.	2.1	99
48	Global leader-following consensus of a group of general linear systems using bounded controls. Automatica, 2016, 68, 294-304.	3.0	99
49	A parametric Lyapunov equation approach to low gain feedback design for discrete-time systems. Automatica, 2009, 45, 238-244.	3.0	96
50	Output Feedback Stabilization of Linear Systems With Actuator Saturation. IEEE Transactions on Automatic Control, 2007, 52, 122-128.	3.6	93
51	Observer based output feedback control of linear systems with input and output delays. Automatica, 2013, 49, 2039-2052.	3.0	90
52	A Truncated Prediction Approach to Consensus Control of Lipschitz Nonlinear Multiagent Systems With Input Delay. IEEE Transactions on Control of Network Systems, 2017, 4, 716-724.	2.4	87
53	Linear Systems Theory. , 2004, , .		86
54	Properties of the Parametric Lyapunov Equation-Based Low-Gain Design With Applications in Stabilization of Time-Delay Systems. IEEE Transactions on Automatic Control, 2009, 54, 1698-1704.	3.6	86

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55	Output feedback Q-learning for discrete-time linear zero-sum games with application to the H-infinity control. Automatica, 2018, 95, 213-221.	3.0	85
56	An improved robust model predictive control design in the presence of actuator saturation. Automatica, 2011, 47, 861-864.	3.0	81
57	An analysis and design method for linear systems under nested saturation. Systems and Control Letters, 2003, 48, 41-52.	1.3	79
58	An output feedback H//sub infin// controller design for linear systems subject to sensor nonlinearities. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 914-921.	0.1	79
59	Global optimal consensus for multi-agent systems with bounded controls. Systems and Control Letters, 2017, 102, 104-111.	1.3	79
60	Distributed Synchronization Control of Multiagent Systems With Unknown Nonlinearities. IEEE Transactions on Cybernetics, 2016, 46, 325-338.	6.2	75
61	Conjugate Convex Lyapunov Functions for Dual Linear Differential Inclusions. IEEE Transactions on Automatic Control, 2006, 51, 661-666.	3.6	73
62	An explicit description of null controllable regions of linear systems with saturating actuators. Systems and Control Letters, 2002, 47, 65-78.	1.3	71
63	Design of Switched Linear Systems in the Presence of Actuator Saturation. IEEE Transactions on Automatic Control, 2008, 53, 1536-1542.	3.6	70
64	Parametric Lyapunov Equation Approach to Stabilization of Discrete-Time Systems With Input Delay and Saturation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 2741-2754.	3.5	70
65	Gain Scheduled Control of Linear Systems Subject to Actuator Saturation With Application to Spacecraft Rendezvous. IEEE Transactions on Control Systems Technology, 2014, 22, 2031-2038.	3.2	70
66	A semi-supervised deep learning method based on stacked sparse auto-encoder for cancer prediction using RNA-seq data. Computer Methods and Programs in Biomedicine, 2018, 166, 99-105.	2.6	70
67	Global and Semi-Global Stabilization of Linear Systems With Multiple Delays and Saturations in the Input. SIAM Journal on Control and Optimization, 2010, 48, 5294-5332.	1.1	68
68	Global optimal consensus for higher-order multi-agent systems with bounded controls. Automatica, 2019, 99, 301-307.	3.0	67
69	A Further Result on Global Stabilization of Oscillators With Bounded Delayed Input. IEEE Transactions on Automatic Control, 2006, 51, 121-128.	3.6	66
70	Stabilization of exponentially unstable linear systems with saturating actuators. IEEE Transactions on Automatic Control, 2001, 45, 973-979.	3.6	64
71	Analysis and design of singular linear systems under actuator saturation and disturbances. Systems and Control Letters, 2008, 57, 904-912.	1.3	64
72	A Switching Anti-windup Design Using Multiple Lyapunov Functions. IEEE Transactions on Automatic Control, 2010, 55, 142-148.	3.6	64

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73	Set Invariance Conditions for Singular Linear Systems Subject to Actuator Saturation. IEEE Transactions on Automatic Control, 2007, 52, 2351-2355.	3.6	62
74	Distributed Event-Triggered Secondary Voltage Control for Microgrids With Time Delay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1582-1591.	5.9	61
75	The almost disturbance decoupling problem with internal stability for linear systems subject to input saturationâ€"state feedback case. Automatica, 1996, 32, 619-624.	3.0	60
76	Output Feedback Q-Learning Control for the Discrete-Time Linear Quadratic Regulator Problem. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1523-1536.	7.2	60
77	Semi-global stabilization of linear systems subject to output saturation. Systems and Control Letters, 2001, 43, 211-217.	1.3	59
78	Stability Analysis for Linear Systems Under State Constraints. IEEE Transactions on Automatic Control, 2004, 49, 950-955.	3.6	59
79	Consensus seeking over directed networks with limited information communication. Automatica, 2013, 49, 610-618.	3.0	59
80	An analysis and design method for linear systems subject to actuator saturation and disturbance. , 2000, , .		58
81	H/sub âˆž/-almost disturbance decoupling with internal stability for linear systems subject to input saturation. IEEE Transactions on Automatic Control, 1997, 42, 992-995.	3.6	57
82	Improvements to the linear differential inclusion approach to stability analysis of linear systems with saturated linear feedback. Automatica, 2013, 49, 821-828.	3.0	57
83	L_{infty} and L_{2} Low-Gain Feedback: Their Properties, Characterizations and Applications in Constrained Control. IEEE Transactions on Automatic Control, 2011, 56, 1030-1045.	3.6	55
84	Linear controller for an inverted pendulum having restricted travel: A high-and-low gain approach. Automatica, 1996, 32, 933-937.	3.0	54
85	Output Regulation of Linear Systems With Bounded Continuous Feedback. IEEE Transactions on Automatic Control, 2004, 49, 1941-1953.	3.6	54
86	Simultaneous Lp-stabilization and internal stabilization of linear systems subject to input saturation â€" state feedback case. Systems and Control Letters, 1995, 25, 219-226.	1.3	53
87	On enlarging the basin of attraction for linear systems under saturated linear feedback. Systems and Control Letters, 2000, 40, 59-69.	1.3	53
88	Distributed Cooperative Cruise Control of Multiple High-Speed Trains Under a State-Dependent Information Transmission Topology. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2750-2763.	4.7	53
89	Reinforcement Learning-Based Linear Quadratic Regulation of Continuous-Time Systems Using Dynamic Output Feedback. IEEE Transactions on Cybernetics, 2020, 50, 4670-4679.	6.2	53
90	Absolute stability analysis of discrete-time systems with composite quadratic Lyapunov functions. IEEE Transactions on Automatic Control, 2005, 50, 781-797.	3.6	51

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91	Properties of the Composite Quadratic Lyapunov Functions. IEEE Transactions on Automatic Control, 2004, 49, 1162-1167.	3.6	50
92	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si6.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="script">L</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> gain analysis for a class of switched systems. Automatica, 2009, 45, 965-972.	3.0	50
93	Anti-windup design of output tracking systems subject to actuator saturation and constant disturbances. Automatica, 2004, 40, 1221-1228.	3.0	49
94	Stabilization of Discrete-Time Systems With Multiple Actuator Delays and Saturations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 389-400.	3.5	49
95	Almost disturbance decoupling with global asymptotic stability for nonlinear systems with disturbance-affected unstable zero dynamics. Systems and Control Letters, 1998, 33, 163-169.	1.3	48
96	Conjugate Lyapunov functions for saturated linear systems. Automatica, 2005, 41, 1949-1956.	3.0	48
97	On Immediate, Delayed and Anticipatory Activation of Anti-Windup Mechanism: Static Anti-Windup Case. IEEE Transactions on Automatic Control, 2012, 57, 771-777.	3.6	48
98	Dynamic antiâ€windup design in anticipation of actuator saturation. International Journal of Robust and Nonlinear Control, 2014, 24, 295-312.	2.1	48
99	Semiâ€global leaderâ€following consensus of multiple linear systems with position and rate limited actuators. International Journal of Robust and Nonlinear Control, 2015, 25, 2083-2100.	2.1	48
100	Simultaneous External and Internal Stabilization for Continuous and Discrete-Time Critically Unstable Linear Systems with Saturating Actuators. Automatica, 1998, 34, 1547-1557.	3.0	46
101	Distributed Semiglobal Consensus With Relative Output Feedback and Input Saturation Under Directed Switching Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 796-800.	2.2	44
102	Semi-global stabilization with guaranteed regional performance of linear systems subject to actuator saturation. Systems and Control Letters, 2001, 43, 203-210.	1.3	43
103	Robust Filtering for Discrete-Time Systems With Saturation and Its Application to Transmultiplexers. IEEE Transactions on Signal Processing, 2004, 52, 1266-1277.	3.2	43
104	Global Stabilization of the Double Integrator System With Saturation and Delay in the Input. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 1371-1383.	3.5	43
105	Saturation-based switching anti-windup design for linear systems with nested input saturation. Automatica, 2014, 50, 2888-2896.	3.0	43
106	Global control of linear systems with saturating actuators. , 0, , .		42
107	Design of Saturation-Based Switching Anti-Windup Gains for the Enlargement of the Domain of Attraction. IEEE Transactions on Automatic Control, 2013, 58, 1810-1816.	3.6	41
108	Truncated Predictor Control of Lipschitz Nonlinear Systems With Time-Varying Input Delay. IEEE Transactions on Automatic Control, 2017, 62, 5324-5330.	3.6	41

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109	Semi‐global leader‐following output consensus of heterogeneous multi‐agent systems with input saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 4916-4930.	2.1	41
110	Robust semi-global stabilization of linear systems with imperfect actuators. Systems and Control Letters, 1997, 29, 215-221.	1.3	40
111	PID Control for Synchronization of Complex Dynamical Networks With Directed Topologies. IEEE Transactions on Cybernetics, 2021, 51, 1334-1346.	6.2	40
112	Control of a flexible rotor active magnetic bearing test rig: a characteristic model based all-coefficient adaptive control approach. Control Theory and Technology, 2014, 12, 1-12.	1.0	39
113	Global optimal consensus for discrete-time multi-agent systems with bounded controls. Automatica, 2018, 97, 182-185.	3.0	39
114	Robust global stabilization of linear systems with input saturation via gain scheduling. International Journal of Robust and Nonlinear Control, 2010, 20, 424-447.	2.1	38
115	A rotor unbalance response based approach to the identification of the closed-loop stiffness and damping coefficients of active magnetic bearings. Mechanical Systems and Signal Processing, 2016, 66-67, 665-678.	4.4	38
116	Output feedback stabilization of linear systems with actuator saturation. , 0, , .		37
117	Semi-global output consensus of a group of linear systems in the presence of external disturbances and actuator saturation: An output regulation approach. International Journal of Robust and Nonlinear Control, 2016, 26, 1353-1375.	2.1	37
118	Emerging Behavioral Consensus of Evolutionary Dynamics on Complex Networks. SIAM Journal on Control and Optimization, 2016, 54, 3258-3272.	1.1	37
119	Output regulation for linear discrete-time systems subject to input saturation. International Journal of Robust and Nonlinear Control, 1997, 7, 1003-1021.	2.1	36
120	An analysis and design method for discrete-time linear systems under nested saturation. IEEE Transactions on Automatic Control, 2002, 47, 1305-1310.	3.6	36
121	A Monte Carlo approach to rolling leukocyte tracking in vivo. Medical Image Analysis, 2006, 10, 598-610.	7.0	36
122	Discrete-time and norm vanishment and low gain feedback with their applications in constrained control. Automatica, 2013, 49, 111-123.	3.0	36
123	Control of Surge in Centrifugal Compressors by Active Magnetic Bearings. Advances in Industrial Control, 2013, , .	0.4	36
124	Impacted-Region Optimization for Distributed Model Predictive Control Systems With Constraints. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1447-1460.	3.4	36
125	Event‐triggered constrained control of positive systems with input saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 3532-3542.	2.1	36
126	Stability and Performance of Control Systems with Actuator Saturation. Control Engineering, 2018, , .	0.3	36

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127	Further results on almost disturbance decoupling with global asymptotic stability for nonlinear systems. Automatica, 1999, 35, 709-717.	3.0	35
128	H Antiwindup Design for Linear Systems Subject to Input Saturation. Journal of Guidance, Control, and Dynamics, 2002, 25, 455-463.	1.6	35
129	Global Practical Stabilization of Planar Linear Systems in the Presence of Actuator Saturation and Input Additive Disturbance. IEEE Transactions on Automatic Control, 2006, 51, 1177-1184.	3.6	34
130	Cancer diagnosis using generative adversarial networks based on deep learning from imbalanced data. Computers in Biology and Medicine, 2021, 135, 104540.	3.9	34
131	Modeling of a High Speed Rotor Test Rig With Active Magnetic Bearings. Journal of Vibration and Acoustics, Transactions of the ASME, 2006, 128, 269-281.	1.0	33
132	On maximizing the convergence rate for linear systems with input saturation. IEEE Transactions on Automatic Control, 2003, 48, 1249-1253.	3.6	31
133	Distributed Consensus Control of Multi-agent Systems with Higher Order Agent Dynamics and Dynamically Changing Directed Interaction Topologies. IEEE Transactions on Automatic Control, 2015, , 1-1.	3.6	31
134	A Complete Characterization of the Maximal Contractively Invariant Ellipsoids of Linear Systems Under Saturated Linear Feedback. IEEE Transactions on Automatic Control, 2015, 60, 179-185.	3.6	31
135	Identification of Biomarkers for Predicting Lymph Node Metastasis of Stomach Cancer Using Clinical DNA Methylation Data. Disease Markers, 2017, 2017, 1-7.	0.6	31
136	Low-and-high gain design technique for linear systems subject to input saturation â€"a direct method. International Journal of Robust and Nonlinear Control, 1997, 7, 1071-1101.	2.1	30
137	On distributed finite-time observer design and finite-time coordinated tracking of multiple double integrator systems via local interactions. International Journal of Robust and Nonlinear Control, 2014, 24, 2473-2489.	2.1	30
138	Maximum delay bounds of linear systems under delay independent truncated predictor feedback. Automatica, 2017, 83, 65-72.	3.0	30
139	Fractional Order PID Control of Rotor Suspension by Active Magnetic Bearings. Actuators, 2017, 6, 4.	1.2	30
140	Distributed Cooperative Control of Battery Energy Storage Systems in DC Microgrids. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 606-616.	8.5	30
141	Constrained Control Design for Magnetic Bearing Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2005, 127, 601-616.	0.9	29
142	Approximation and Monotonicity of the Maximal Invariant Ellipsoid for Discrete-Time Systems by Bounded Controls. IEEE Transactions on Automatic Control, 2010, 55, 440-446.	3.6	29
143	Truncated Predictor Feedback Stabilization of Polynomially Unstable Linear Systems With Multiple Time-Varying Input Delays. IEEE Transactions on Automatic Control, 2014, 59, 2157-2163.	3.6	29
144	Convergence Rate for Discrete-Time Multiagent Systems With Time-Varying Delays and General Coupling Coefficients. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 178-189.	7.2	29

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145	Predictor based control of linear systems with state, input and output delays. Automatica, 2015, 53, 385-391.	3.0	28
146	Consensus of a class of discrete-time nonlinear multi-agent systems in the presence of communication delays. ISA Transactions, 2017, 71, 10-20.	3.1	28
147	Event-triggered global stabilization of general linear systems with bounded controls. Automatica, 2019, 107, 241-254.	3.0	28
148	SITUP: Scale Invariant Tracking Using Average Peak-to-Correlation Energy. IEEE Transactions on Image Processing, 2020, 29, 3546-3557.	6.0	28
149	A backstepping‐based low‐and‐high gain design for marine vehicles. International Journal of Robust and Nonlinear Control, 2009, 19, 480-493.	2.1	27
150	An asymmetric Lyapunov function for linear systems with asymmetric actuator saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 1624-1640.	2.1	27
151	Control design in the presence of actuator saturation: from individual systems to multi-agent systems. Science China Information Sciences, 2019, 62, 1.	2.7	27
152	Disturbance tolerance and rejection of linear systems with imprecise knowledge of actuator input output characteristics. Automatica, 2006, 42, 1523-1530.	3.0	26
153	Characteristic model based control of the X-34 reusable launch vehicle in its climbing phase. Science in China Series F: Information Sciences, 2009, 52, 2216-2225.	1.1	26
154	Truncated Prediction Output Feedback Control of a Class of Lipschitz Nonlinear Systems With Input Delay. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 788-792.	2.2	26
155	Large scale gene regulatory network inference with a multi-level strategy. Molecular BioSystems, 2016, 12, 588-597.	2.9	26
156	Coordinated Control in the Presence of Actuator Saturation for Multiple High-Speed Trains in the Moving Block Signaling System Mode. IEEE Transactions on Vehicular Technology, 2020, 69, 8054-8064.	3.9	26
157	On semiglobal stabilizability of antistable systems by saturated linear feedback. IEEE Transactions on Automatic Control, 2002, 47, 1193-1198.	3.6	25
158	Semi-global stabilization of discrete-time linear systems with position and rate-limited actuators. Systems and Control Letters, 1998, 34, 313-322.	1.3	24
159	On the problem of robust and perfect tracking for linear systems with external disturbances. International Journal of Control, 2001, 74, 158-174.	1.2	24
160	On improving the performance with bounded continuous feedback laws. IEEE Transactions on Automatic Control, 2002, 47, 1570-1575.	3.6	24
161	On the problem of general structural assignments of linear systems through sensor/actuator selection. Automatica, 2003, 39, 233-241.	3.0	24
162	Design of Distributed Observers in the Presence of Arbitrarily Large Communication Delays. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4447-4461.	7.2	24

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163	Output feedback adaptive dynamic programming for linear differential zero-sum games. Automatica, 2020, 122, 109272.	3.0	24
164	An Event-Triggered Observer and Its Applications in Cooperative Control of Multiagent Systems. IEEE Transactions on Automatic Control, 2022, 67, 3647-3654.	3.6	24
165	Semi-global stabilization of partially linear composite systems via feedback of the state of the linear part. Systems and Control Letters, 1993, 20, 199-207.	1.3	23
166	On the tightness of a recent set invariance condition under actuator saturation. Systems and Control Letters, 2003, 49, 389-399.	1.3	23
167	Linear systems toolkit in Matlab: structural decompositions and their applications. Journal of Control Theory and Applications, 2005, 3, 287-294.	0.8	23
168	Anti-windup in anticipation of actuator saturation. , 2010, , .		23
169	On the cooperative observability of a continuous-time linear system on an undirected network. , 2014, , .		23
170	Experimental Evaluation of a Surge Controller for an AMB Supported Compressor in the Presence of Piping Acoustics. IEEE Transactions on Control Systems Technology, 2014, 22, 1215-1223.	3.2	23
171	Identification of dynamic parameters of active magnetic bearings in a flexible rotor system considering residual unbalances. Mechatronics, 2018, 49, 46-55.	2.0	23
172	Stability and performance analysis of saturated systems via partitioning of the virtual input space. Automatica, 2015, 53, 85-93.	3.0	22
173	Multi-leader multi-follower coordination with cohesion, dispersion, and containment control via proximity graphs. Science China Information Sciences, 2017, 60, 1.	2.7	22
174	Output feedback reinforcement Q-learning control for the discrete-time linear quadratic regulator problem. , 2017, , .		22
175	Reducing Power Loss in Magnetic Bearings by Optimizing Current Allocation. IEEE Transactions on Magnetics, 2004, 40, 1625-1635.	1.2	21
176	Disturbance attenuation by output feedback for linear systems subject to actuator saturation. International Journal of Robust and Nonlinear Control, 2009, 19, 168-184.	2.1	21
177	Coordinated Control of Wheeled Vehicles in the Presence of a Large Communication Delay Through a Potential Functional Approach. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2261-2272.	4.7	21
178	Stabilizing feedback design for linear systems with rate limited actuators. , 1997, , 173-186.		20
179	Stabilization of a Class of Linear Systems With Input Delay and the Zero Distribution of Their Characteristic Equations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 388-401.	3.5	20
180	On the Structural Perspective of Computational Effectiveness for Quantized Consensus in Layered UAV Networks. IEEE Transactions on Control of Network Systems, 2019, 6, 276-288.	2.4	20

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181	Practical stabilization of exponentially unstable linear systems subject to actuator saturation nonlinearity and disturbance. International Journal of Robust and Nonlinear Control, 2001, 11, 555-588.	2.1	19
182	On Input-to-State Stability for Nonlinear Systems with Delayed Feedbacks. Proceedings of the American Control Conference, 2007, , .	0.0	19
183	Low gain and low-and-high gain feedback: A review and some recent results. , 2009, , .		19
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