

Shumin Fei

List of Publications by Year in descending order

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91
papers

1,038
citations

430754

18
h-index

501076

28
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91
all docs

91
docs citations

91
times ranked

933
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite-time stabilization for a class of stochastic nonlinear systems via output feedback. ISA Transactions, 2014, 53, 709-716.	3.1	76
2	Finite-time tracking control of a nonholonomic mobile robot. Asian Journal of Control, 2009, 11, 344-357.	1.9	66
3	Output feedback control for a class of stochastic high-order nonlinear systems with time-varying delays. International Journal of Robust and Nonlinear Control, 2014, 24, 2243-2260.	2.1	66
4	Reliable dissipative control of discrete-time switched singular systems with mixed time delays and stochastic actuator failures. IET Control Theory and Applications, 2013, 7, 1447-1462.	1.2	43
5	Stabilization of impulsive switched linear systems with saturated control input. Nonlinear Dynamics, 2012, 69, 793-804.	2.7	40
6	Stabilisation for switched linear systems with time-varying delay and input saturation. International Journal of Systems Science, 2014, 45, 532-546.	3.7	40
7	Event-based fault-tolerant control for networked control systems applied to aircraft engine system. Information Sciences, 2020, 512, 1063-1077.	4.0	39
8	Improved delay-dependent stability criterion on neural networks with time-varying delay. , 2010, , .		35
9	Trajectory Switching Control of Robotic Manipulators Based on RBF Neural Networks. Circuits, Systems, and Signal Processing, 2014, 33, 1119-1133.	1.2	32
10	Design of Robust Adaptive Neural Switching Controller for Robotic Manipulators with Uncertainty and Disturbances. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 77, 571-581.	2.0	32
11	New mixed delay-dependent robust stability conditions for uncertain linear neutral systems. IET Control Theory and Applications, 2014, 8, 606-613.	1.2	30
12	An adaptive neural network switching control approach of robotic manipulators for trajectory tracking. International Journal of Computer Mathematics, 2014, 91, 983-995.	1.0	27
13	Finite-time state-feedback control for a class of stochastic high-order nonlinear systems. International Journal of Computer Mathematics, 2015, 92, 643-660.	1.0	27
14	Exponential stability of linear distributed parameter switched systems with time-delay. Journal of Systems Science and Complexity, 2014, 27, 263-275.	1.6	24
15	Reliable H_∞ Filtering for Discrete-Time Switched Singular Systems with Time-Varying Delay. Circuits, Systems, and Signal Processing, 2012, 31, 1191-1214.	1.2	23
16	Control Synthesis of Discrete-Time Switched Linear Systems with Input Saturation Based on Minimum Dwell Time Approach. Circuits, Systems, and Signal Processing, 2012, 31, 779-795.	1.2	20
17	Delay-derivative-dependent stability criterion for neural networks with probabilistic time-varying delay. International Journal of Systems Science, 2013, 44, 2140-2151.	3.7	20
18	A Neural Network Approach for Tracking Control of Uncertain Switched Nonlinear Systems with Unknown Dead-Zone Input. Circuits, Systems, and Signal Processing, 2015, 34, 2695-2710.	1.2	20

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19	Pinning Cluster Synchronization for Delayed Dynamical Networks via Kronecker Product. <i>Circuits, Systems, and Signal Processing</i> , 2013, 32, 1907-1929.	1.2	18
20	Fuzzy Approximation of a Novel Nonlinear Adaptive Switching Controller Design. <i>Circuits, Systems, and Signal Processing</i> , 2015, 34, 377-391.	1.2	18
21	Reliable control for a class of uncertain singular systems with interval time-varying delay. <i>Asian Journal of Control</i> , 2011, 13, 542-552.	1.9	17
22	Control discrete-time switched singular systems with state delays under asynchronous switching. <i>International Journal of Systems Science</i> , 2013, 44, 1089-1101.	3.7	17
23	Robust Control of a Class of Uncertain Fractional-Order Chaotic Systems with Input Nonlinearity via an Adaptive Sliding Mode Technique. <i>Entropy</i> , 2014, 16, 729-746.	1.1	17
24	Improved asymptotic stability conditions for neural networks with discrete and distributed delays. <i>International Journal of Computer Mathematics</i> , 2012, 89, 1938-1951.	1.0	15
25	Global adaptive control for a class of uncertain stochastic nonlinear systems with unknown output gain. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 1125-1133.	1.6	15
26	Robustly stable switching neural control of robotic manipulators using average dwell-time approach. <i>Transactions of the Institute of Measurement and Control</i> , 2014, 36, 789-796.	1.1	14
27	An Improved Particle Filter for Tracking Color Object. , 2008, , .		13
28	Robust stabilization and H_2 -gain control of uncertain discrete-time constrained piecewise-affine systems. <i>Nonlinear Dynamics</i> , 2014, 75, 127-140.	2.7	12
29	Improved delay-dependent stability conditions for recurrent neural networks with multiple time-varying delays. <i>Nonlinear Dynamics</i> , 2014, 78, 803-812.	2.7	12
30	Decentralized \mathcal{L}_2 $\hat{=}$ \mathcal{L}_∞ Filtering for Interconnected Markovian Jump Systems with Delays. <i>Circuits, Systems, and Signal Processing</i> , 2012, 31, 889-909.	1.2	11
31	New approaches to relaxed stabilization conditions and H_∞ control designs for T-S fuzzy systems. <i>Journal of Control Theory and Applications</i> , 2012, 10, 82-91.	0.8	11
32	Hybrid Model-Based Feedforward and Fractional-Order Feedback Control Design for the Benchmark Refrigeration System. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 17885-17897.	1.8	11
33	Time optimisation problem for switched stochastic systems with multi-switching times. <i>IET Control Theory and Applications</i> , 2014, 8, 1732-1740.	1.2	10
34	Modified particle filter for object tracking in low frame rate video. , 2009, , .		9
35	Coordinated control of static synchronous compensator and automatic voltage regulator in multi-machine power systems using pseudo-generalized Hamiltonian theory. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2014, 228, 154-166.	0.7	9
36	Sliding mode switching control under arbitrary switchings in the presence of uncertain parameters. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2018, 232, 399-407.	0.7	9

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37	Optimal timing control of switched stochastic systems. IMA Journal of Mathematical Control and Information, 2015, 32, 659-674.	1.1	8
38	An improved nonlinear robust control design for grid-side converter of VSC-HVDC connected to wind power generation system. Electrical Engineering, 2018, 100, 2309-2318.	1.2	8
39	Global sampled-data output feedback stabilization for nonlinear systems with unknown measurement sensitivity. International Journal of Robust and Nonlinear Control, 2019, 29, 4909-4927.	2.1	8
40	Global sampled-data output feedback control for a class of feedforward nonlinear systems. Control Theory and Technology, 2014, 12, 147-153.	1.0	7
41	Event-Triggered Output Synchronization in Master-Slave Lur ^e Systems with Heterogeneous Dimensions. Circuits, Systems, and Signal Processing, 2017, 36, 811-833.	1.2	7
42	Quasi-time-Dependent \mathcal{L}_2 - ∞ Filtering of Discrete-Time Switched Systems with Admissible Edge-Dependent Average Dwell Time. Circuits, Systems, and Signal Processing, 2020, 39, 4320-4338.	1.2	7
43	Compensation strategies based on Bode step concept for actuator rate limit effect on first-order plus time-delay systems. Nonlinear Dynamics, 2020, 99, 2851-2866.	2.7	7
44	\mathcal{H}_∞ filtering for discrete-time systems subject to stochastic missing measurements: a decomposition approach. International Journal of Systems Science, 2014, 45, 1356-1363.	3.7	6
45	Robust adaptive control for single input/single output discrete systems via multi-model switching. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2014, 228, 42-48.	0.7	6
46	Further stability analysis on Cohen-Grossberg neural networks with time-varying and distributed delays. International Journal of Systems Science, 2011, 42, 1639-1649.	3.7	5
47	Optimal timing control of discrete-time linear switched stochastic systems. International Journal of Control, Automation and Systems, 2014, 12, 769-776.	1.6	5
48	Global Adaptive Finite-Time Control for Stochastic Nonlinear Systems via State Feedback. Circuits, Systems, and Signal Processing, 2015, 34, 3789-3809.	1.2	5
49	Robust control for a class of high-order uncertain nonlinear systems via measurement feedback. International Journal of Control, 2019, 92, 1393-1400.	1.2	5
50	Two-Stage Prediction of Comorbid Cancer Patient Survivability Based on Improved Infinite Feature Selection. IEEE Access, 2020, 8, 169559-169567.	2.6	5
51	Connectivity-Preserved and Force-Based Deployment Scheme for Mobile Sensor Network. Wireless Personal Communications, 2014, 77, 463-475.	1.8	4
52	Further Criteria on Master-Slave Synchronization in Chaotic Lur ^e Systems Using Delay Feedback Control. Circuits, Systems, and Signal Processing, 2016, 35, 2992-3014.	1.2	4
53	Technical note: On the actuator rate limit effect in reaction curves. ISA Transactions, 2021, 117, 303-308.	3.1	4
54	Dynamic linear controller design for a class of high-order nonlinear systems via state-feedback. , 2015, , .		3

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55	The Auxiliary Problem Principle with Self-Adaptive Penalty Parameter for Multi-Area Economic Dispatch Problem. <i>Algorithms</i> , 2015, 8, 144-156.	1.2	3
56	A new-style decentralized nonlinear robust coordinated control of multiple static synchronous compensators. , 2016, , .		3
57	Global state control for a class of inherently higher-order parameterized nonlinear time-delay systems based on homogeneous domination approach. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 829-848.	2.1	3
58	Finite-time robust control for transformerless H-bridge cascaded STATCOM with star configuration. <i>Journal of Control and Decision</i> , 2021, 8, 106-115.	0.7	3
59	First-order plus time-delay systems under the effects of actuator rate limit. <i>IET Control Theory and Applications</i> , 2020, 14, 2481-2490.	1.2	3
60	Design of Adaptive Switching Controller for Robotic Manipulators with Disturbance. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-9.	0.6	2
61	Event-triggered H_∞ control for networked control system subject to sensor and actuator saturations. , 2017, , .		2
62	Nonlinear robust control design for SSSC to improve damping oscillations and transient stability of power system. , 2017, , .		2
63	Robust adaptive control for uncertain systems with discrete and distributed delays. <i>Journal of Control Theory and Applications</i> , 2008, 6, 287-292.	0.8	1
64	Robust stability analysis on discrete-time Cohen-Grossberg neural networks with distributed delay. , 2009, , .		1
65	Improved results on state estimation for neural networks with time-varying delays. <i>Journal of Control Theory and Applications</i> , 2010, 8, 215-221.	0.8	1
66	Impulsive controller design for networked impulsive control systems with transmission delay and packet dropouts. , 2010, , .		1
67	Stability and L_2 -analysis for a class of interconnected systems. , 2011, , .		1
68	Delay-derivative-dependent synchronization for coupled Lur'e system with time-delay and nonlinear couplings. , 2011, , .		1
69	Stability analysis for a class of distributed parameter switched systems with time-varying. , 2012, , .		1
70	Delay-dependent absolute stability criterion for Lurie system with probabilistic interval time-varying delay. <i>Journal of Control Theory and Applications</i> , 2012, 10, 477-482.	0.8	1
71	Nonlinear coordinated control of generator excitation and SVC in multi-machine power systems using energy-shaping method. , 2014, , .		1
72	Semi-Global Stabilization for a Class of Nonlinear Time-Delay Systems by Linear Output Feedback—This project was supported by the National Natural Science Foundation of China (61374038; 61473079); Tj ETQq0 0 0 ggBT /Overlock 10 TF Education Institutions (1108007002).. <i>IFAC-PapersOnLine</i> , 2015, 48, 185-190.		1

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73	Nonlinear robust control design for static synchronous compensator. , 2017, , .		1
74	H^∞ filter for sampled-data systems with sensor saturation. , 2017, , .		1
75	Global continuous robust finite-time control design for unified power flow controller. International Journal of Robust and Nonlinear Control, 2018, 28, 4209-4229.	2.1	1
76	Design of an Improved Nonlinear H^∞ Control for UPFC to Enhance Transient Stability of Power System. Electric Power Components and Systems, 2018, 46, 483-493.	1.0	1
77	PCDH-based nonlinear H^∞ control of VSC-HVDC with wind power integrated. Journal of Control and Decision, 2021, 8, 41-49.	0.7	1
78	Color image registration via quaternion Fourier transform and parametric template method. , 2010, , .		0
79	Global output feedback stabilization for a class of stochastic nonlinear systems. , 2014, , .		0
80	Adaptive control for uncertain stochastic nonlinear time-delay systems via output feedback. , 2014, , .		0
81	Asymptotical stabilization of linear distributed parameter switched systems. , 2014, , .		0
82	Output feedback sampled-data stabilization of a class of uncertain nonlinear systems. , 2014, , .		0
83	Relaxed nonfragile H^∞ filter designs for T-S fuzzy systems. , 2014, , .		0
84	Global output feedback stabilization for a class of nonlinear time-delay systems via linear sampled-data control. , 2016, , .		0
85	Semi-global stabilization via homogeneous output feedback for a class of nonlinear time-delay systems. Journal of Systems Science and Complexity, 2016, 29, 1538-1552.	1.6	0
86	Complex modified projective synchronization of two fractional-order complex-variable chaotic systems. , 2016, , .		0
87	Nonlinear L_2 disturbance attenuation control design of UPFC for power flow control. , 2017, , .		0
88	Sampled-data state estimation for delayed neural network with sensor faults. , 2017, , .		0
89	Global stabilization for a class of uncertain nonlinear time-delay systems by linear sampled-data output feedback. , 2018, , .		0
90	Control Researches on Nonlinear Systems for A Quadrotor UAV Helicopter Under Impact of Wind Disturbance Based on Method of Domination. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
91	Semi-Global Robust Stabilization for a Class of Nonlinear Systems With Uncertain Measurement Functions. IEEE Access, 2019, 7, 4295-4301.	2.6	0