Jie Lian

List of Publications by Year
in descending order

91	1,946	236833	254106
papers	citations	25	43
		h-index	g-index

91	91	91	1445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sampled-Data Control of Switched Linear Systems With Application to an F-18 Aircraft. IEEE Transactions on Industrial Electronics, 2017, 64, 1332-1340.	5.2	156
2	Passivity of Switched Recurrent Neural Networks With Time-Varying Delays. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 357-366.	7.2	133
3	Passivity and Passification for a Class of Uncertain Switched Stochastic Time-Delay Systems. IEEE Transactions on Cybernetics, 2013, 43, 3-13.	6.2	112
4	Observer Design for Switched Recurrent Neural Networks: An Average Dwell Time Approach. IEEE Transactions on Neural Networks, 2011, 22, 1547-1556.	4.8	100
5	Mean Stability of Positive Markov Jump Linear Systems With Homogeneous and Switching Transition Probabilities. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 801-805.	2.2	87
6	New results on stability of switched positive systems: an average dwell€time approach. IET Control Theory and Applications, 2013, 7, 1651-1658.	1.2	83
7	Integral Sliding Mode Control for a Class of Uncertain Switched Nonlinear Systems. European Journal of Control, 2010, 16, 16-22.	1.6	68
8	T€S Fuzzy Control of Positive Markov Jump Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 2374-2383.	6.5	65
9	Output feedback L_1 control of switched positive delayed systems with MDADT. Nonlinear Analysis: Hybrid Systems, 2015, 15, 11-22.	2.1	64
10	Anti-Disturbance Bumpless Transfer Control for Switched Systems With its Application to Switched Circuit Model. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3177-3181.	2.2	64
11	Robust H_∞ sliding mode control for a class of uncertain switched delay systems. International Journal of Systems Science, 2009, 40, 855-866.	3.7	59
12	Exponential stability for switched Cohen€Grossberg neural networks with average dwell time. Nonlinear Dynamics, 2011, 63, 331-343.	2.7	54
13	Event-triggered feedback stabilization of switched linear systems using dynamic quantized input. Nonlinear Analysis: Hybrid Systems, 2019, 31, 292-301.	2.1	50
14	Output feedback variable structure control for a class of uncertain switched systems. Asian Journal of Control, 2009, 11, 31-39.	1.9	46
15	Novel complex-coprecipitation route to form high quality triethanolamine-coated Fe_3O_4 nanocrystals: Their high saturation magnetizations and excellent water treatment properties. CrystEngComm, 2012, 14, 5741.	1.3	46
16	Event-triggered control for a class of switched uncertain nonlinear systems. Systems and Control Letters, 2020, 135, 104592.	1.3	45
17	Stabilization for switched stochastic neutral systems under asynchronous switching. Information Sciences, 2013, 222, 501-508.	4.0	39
18	Sliding-mode control of switched delay systems withÂnonlinear perturbations: average dwell time approach. Nonlinear Dynamics, 2010, 62, 791-798.	2.7	36

#	ARTICLE	IF	CITATIONS
19	Event-Triggered Sliding Mode Control of Uncertain Switched Systems via Hybrid Quantized Feedback. IEEE Transactions on Automatic Control, 2021, 66, 2809-2816.	3.6	35
20	Exponential stabilization of singularly perturbed switched systems subject to actuator saturation. Information Sciences, 2015, 320, 235-243.	4.0	33
21	Event-triggered H_∞ control of networked switched systems subject to denial-of-service attacks. Nonlinear Analysis: Hybrid Systems, 2020, 38, 100930.	2.1	33
22	Stabilization of Switched Linear Systems Subject to Actuator Saturation via Invariant Semiellipsoids. IEEE Transactions on Automatic Control, 2020, 65, 4332-4339.	3.6	30
23	Input-to-state stability for discrete-time non-linear switched singular systems. IET Control Theory and Applications, 2017, 11, 2893-2899.	1.2	28
24	Stability of switched memristive neural networks with impulse and stochastic disturbance. Neurocomputing, 2018, 275, 2565-2573.	3.5	27
25	Robust stability for switched positive systems with D-perturbation and time-varying delay. Information Sciences, 2016, 369, 522-531.	4.0	26
26	Sliding Mode Control of Uncertain Stochastic Hybrid Delay Systems with Average Dwell Time. Circuits, Systems, and Signal Processing, 2012, 31, 539-553.	1.2	25
27	Fuzzy Control of Uncertain Positive Markov Jump Fuzzy Systems With Input Constraint. IEEE Transactions on Cybernetics, 2021, 51, 2032-2041.	6.2	25
28	Adaptive Variable Structure Control for Uncertain Switched Delay Systems. Circuits, Systems, and Signal Processing, 2010, 29, 1089-1102.	1.2	20
29	Supercapacitors based on high-surface-area graphene. Science China Technological Sciences, 2014, 57, 278-283.	2.0	20
30	Remote Sensing Image Transfer Classification Based on Weighted Extreme Learning Machine. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1405-1409.	1.4	20
31	Event-triggered adaptive tracking control of uncertain switched nonlinear systems. International Journal of Robust and Nonlinear Control, 2021, 31, 4154-4169.	2.1	19
32	Switching-Like Event-Triggered Control for Networked Markovian Jump Systems Under Deception Attack. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3271-3275.	2.2	17
33	Resilient Control of Networked Switched Systems Against DoS Attack. IEEE Transactions on Industrial Informatics, 2022, 18, 2354-2363.	7.2	17
34	Sliding mode control of uncertain switched delay systems via hysteresis switching strategy. International Journal of Control, Automation and Systems, 2010, 8, 1171-1178.	1.6	15
35	Robust H-infinity integral sliding mode control for a class of uncertain switched nonlinear systems. Journal of Control Theory and Applications, 2010, 8, 521-526.	0.8	15
36	A parametric multiple Lyapunov equations approach to switched systems with actuator saturation. Nonlinear Analysis: Hybrid Systems, 2018, 29, 121-132.	2.1	14

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37	Observer‐based stability of switched system under jamming attack and random packet loss. IET Control Theory and Applications, 2020, 14, 1183-1192.	1.2	14
38	Robust H_∞ filtering for a class of uncertain stochastic hybrid neutral systems with time‐varying delay. International Journal of Adaptive Control and Signal Processing, 2013, 27, 462-477.	2.3	13
39	Synchronization of Switched Neural Networks with Time‐varying Delays via Sampled‐data Control. Asian Journal of Control, 2019, 21, 1260-1269.	1.9	13
40	Almost Sure Stability of Markov Jump Systems With Persistent Dwell Time Switching. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6681-6690.	5.9	13
41	Stability analysis for switched Hopfield neural networks with time delay. Optimal Control Applications and Methods, 2012, 33, 433-444.	1.3	12
42	Passivity Analysis and Synthesis for a Class of Discrete‐Time Switched Stochastic Systems with Time‐Varying Delay. Asian Journal of Control, 2013, 15, 501-511.	1.9	12
43	Stability of switched positive descriptor systems with average dwell time switching. Journal of Shanghai Jiaotong University (Science), 2015, 20, 177-184.	0.5	12
44	A Ternary Polyaniline/Active Carbon/Lithium Iron Phosphate Composite as Cathode Material for Lithium Ion Battery. Journal of Nanoscience and Nanotechnology, 2016, 16, 6494-6497.	0.9	10
45	Hidden Markov model based control for singular Markov jump systems. Journal of the Franklin Institute, 2021, 358, 4141-4158.	1.9	10
46	Local density one-class support vector machines for anomaly detection. Nonlinear Dynamics, 2011, 64, 127-130.	2.7	9
47	Stabilization of switched nonlinear systems with dynamic output quantization and disturbances. International Journal of Robust and Nonlinear Control, 2020, 30, 1679-1695.	2.1	9
48	Distributed constrained optimization for multi-agent systems over a directed graph with piecewise stepsize. Journal of the Franklin Institute, 2020, 357, 4855-4868.	1.9	9
49	Event-triggered control of networked switched systems under network attacks. Transactions of the Institute of Measurement and Control, 0, , 014233122110502.	1.1	9
50	Multi‐rate sampled‐data control of switched affine systems. IET Control Theory and Applications, 2020, 14, 1524-1530.	1.2	8
51	Robust H<inf>&#x221E;</inf> control of uncertain switched delay systems using multiple Lyapunov functions. , 2008, , .		7
52	Neodymium-doped ceria nanomaterials: facile low-temperature synthesis and excellent electrical properties for IT-SOFCs. RSC Advances, 2013, 3, 6290.	1.7	6
53	Hidden Markov model based filtering for singular semi‐Markov jump systems. International Journal of Robust and Nonlinear Control, 2022, 32, 164-180.	2.1	6
54	Fuzzy prediction of chaotic time series based on fuzzy clustering. Asian Journal of Control, 2011, 13, 576-581.	1.9	5

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55	Optimization of switched interconnected positive systems under state dependent switching with dwell time. Asian Journal of Control, 2020, , .	1.9	5
56	Periodic event‐triggered and self‐triggered control of singular system under stochastic cyber‐attacks. IET Control Theory and Applications, 2020, 14, 3009-3019.	1.2	5
57	Event-triggered based containment control of multi-agent systems with general linear dynamics. , 2015, , .		4
58	Formation Control and Obstacle Avoidance for Multi-Agent Systems Using Barrier Lyapunov Functions. , 2018, , .		4
59	Robust H<inf>&#x221E;</inf> SMC of uncertain switched systems with time delay. , 2008, , .		3
60	Prediction of Heparin Dose during Continuous Renal Replacement Therapy Surgery by Using the Gradient Boosting Regression Model. , 2019, , .		3
61	Robust H $\hat{}$ ž control of uncertain impulsive switched systems. Asian Journal of Control, 2020, , .	1.9	3
62	Stability of impulsive switched systems with sampled‐data control. IET Control Theory and Applications, 2021, 15, 523-533.	1.2	3
63	Finite-Time Stability of Switched Nonlinear Systems With State Jumps: A Dwell-Time Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6061-6072.	5.9	3
64	Multiobjective Optimization of Networked Switched Systems Subject to DoS Attack Using Artificial Bee Colony Algorithm. IEEE Transactions on Control of Network Systems, 2023, 10, 100-111.	2.4	3
65	Estimator design of switched linear systems under unknown persistent excitation. IET Control Theory and Applications, 2018, 12, 1055-1063.	1.2	2
66	Stability of switched Hopfield neural networks with time-varying delay. , 2010, , .		1
67	A new identification method of networked control system. , 2012, , .		1
68	Composite nonlinear impulsive control for switched singular systems. , 2015, , .		1
69	Distributed containment control of multi-agent systems without dynamic observers of leaders. , 2016, , .		1
70	Sampled-data control of switched nonlinear systems via T-S fuzzy models. , 2018, , .		1
71	BitTableAC: Associative classification algorithm based on BitTable. , 2010, , .		0
72	Robust H<inf>&#x221E;</inf> filtering for a class of stochastic hybrid neutral time-delay systems with average dwell time. , 2011, , .		0

#	Article	IF	Citations
73	Stability analysis for uncertain linear systems with random parameters. , 2012, , .		0
74	H<inf>&#x221E;</inf> control for stochastic switched delay systems with missing measurements: An average dwell time approach. , 2012, , .		0
75	Observer-based sliding mode control for switched stochastic systems under asynchronous switching. , 2014, , .		0
76	Stabilization of positive switched delay systems with a hysteresis switching law. , 2014, , .		0
77	Sliding mode control for switched nonlinear systems under asynchronous switching. , 2014, , .		0
78	A multiple sub-models self-tuning control algorithm of non-uniformly sampled systems based on auxiliary-variable-model. , 2015, , .		0
79	Adaptive output tracking of switched nonlinear systems with unmodeled dynamics. , 2016, , .		0
80	Input-to-state stability and stabilization of impulsive switched nonlinear systems. , 2016, , .		0
81	Exponential stabilization of nonlinear switched systems with actuator saturation. , 2016, , .		0
82	Observer-based dynamic output-feedback protocol for H<inf>â˘ž</inf> tracking control of multi-agent systems. , 2017, , .		0
83	Stabilization of switched systems with input delay and saturation: a parametric multiple Lyapunov equations approach. , 2018, , .		0
84	Exponentially Passive Analysis of Switched Linear Systems with a Novel Storage Function. , 2018, , .		0
85	Identification of non-uniformly periodically sampled-data systems based on auxiliary model and singular value decomposition. , 2018, , .		0
86	Fuzzy Identification of Non-uniformly Sampled Data Nonlinear Systems Based on Clustering Method. , 2018, , .		0
87	Switching Adaptive Compensation for Actuator Failures of Uncertain Nonlinear Systems with Quantized Input. , 2018, , .		0
88	Input-to-state stabilization of networked switched nonlinear systems based on event-triggered scheme. , 2018, , .		0
89	Estimating Pose of Object and Manipulator Grasping Control. , 2021, , .		0
90	Novel Approaches to Stability and Stabilization of Positive Switched Systems with Unstable Subsystems. Lecture Notes in Control and Information Sciences, 2019, , 11-25.	0.6	0

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91	Switching Output Feedback Control of LTI Systems. , 2020, , .		0