

# Jie Lian

## List of Publications by Year in descending order

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91  
papers

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1445  
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#	ARTICLE	IF	CITATIONS
1	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
2	Resilient Control of Networked Switched Systems Against DoS Attack. IEEE Transactions on Industrial Informatics, 2022, 18, 2354-2363.	7.2	17
3	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
4	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
5	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
6	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
7	Stability of impulsive switched systems with sampled-data control. IET Control Theory and Applications, 2021, 15, 523-533.	1.2	3
8	Fuzzy Control of Uncertain Positive Markov Jump Fuzzy Systems With Input Constraint. IEEE Transactions on Cybernetics, 2021, 51, 2032-2041.	6.2	25
9	Event-triggered adaptive tracking control of uncertain switched nonlinear systems. International Journal of Robust and Nonlinear Control, 2021, 31, 4154-4169.	2.1	19
10	Hidden Markov model based control for singular Markov jump systems. Journal of the Franklin Institute, 2021, 358, 4141-4158.	1.9	10
11	Estimating Pose of Object and Manipulator Grasping Control. , 2021, , .		0
12	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
13	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
14	Event-triggered control for a class of switched uncertain nonlinear systems. Systems and Control Letters, 2020, 135, 104592.	1.3	45
15	Stabilization of Switched Linear Systems Subject to Actuator Saturation via Invariant Semiellipsoids. IEEE Transactions on Automatic Control, 2020, 65, 4332-4339.	3.6	30
16	Robust $H^\infty$ control of uncertain impulsive switched systems. Asian Journal of Control, 2020, , .	1.9	3
17	Optimization of switched interconnected positive systems under state dependent switching with dwell time. Asian Journal of Control, 2020, , .	1.9	5
18	Event-triggered control of networked switched systems subject to denial-of-service attacks. Nonlinear Analysis: Hybrid Systems, 2020, 38, 100930.	2.1	38

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19	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
20	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
21	Multi-rate sampled-data control of switched affine systems. IET Control Theory and Applications, 2020, 14, 1524-1530.	1.2	8
22	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
23	Periodic event-triggered and self-triggered control of singular system under stochastic cyberattacks. IET Control Theory and Applications, 2020, 14, 3009-3019.	1.2	5
24	Switching Output Feedback Control of LTI Systems. , 2020, , .		0
25	Synchronization of Switched Neural Networks with Time-varying Delays via Sampled-data Control. Asian Journal of Control, 2019, 21, 1260-1269.	1.9	13
26	Prediction of Heparin Dose during Continuous Renal Replacement Therapy Surgery by Using the Gradient Boosting Regression Model. , 2019, , .		3
27	Event-triggered feedback stabilization of switched linear systems using dynamic quantized input. Nonlinear Analysis: Hybrid Systems, 2019, 31, 292-301.	2.1	50
28	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
29	A parametric multiple Lyapunov equations approach to switched systems with actuator saturation. Nonlinear Analysis: Hybrid Systems, 2018, 29, 121-132.	2.1	14
30	T-S Fuzzy Control of Positive Markov Jump Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 2374-2383.	6.5	65
31	Stability of switched memristive neural networks with impulse and stochastic disturbance. Neurocomputing, 2018, 275, 2565-2573.	3.5	27
32	Stabilization of switched systems with input delay and saturation: a parametric multiple Lyapunov equations approach. , 2018, , .		0
33	Exponentially Passive Analysis of Switched Linear Systems with a Novel Storage Function. , 2018, , .		0
34	Identification of non-uniformly periodically sampled-data systems based on auxiliary model and singular value decomposition. , 2018, , .		0
35	Fuzzy Identification of Non-uniformly Sampled Data Nonlinear Systems Based on Clustering Method. , 2018, , .		0
36	Sampled-data control of switched nonlinear systems via T-S fuzzy models. , 2018, , .		1

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37	Switching Adaptive Compensation for Actuator Failures of Uncertain Nonlinear Systems with Quantized Input. , 2018, , .		0
38	Input-to-state stabilization of networked switched nonlinear systems based on event-triggered scheme. , 2018, , .		0
39	Estimator design of switched linear systems under unknown persistent excitation. IET Control Theory and Applications, 2018, 12, 1055-1063.	1.2	2
40	Formation Control and Obstacle Avoidance for Multi-Agent Systems Using Barrier Lyapunov Functions. , 2018, , .		4
41	Input-to-state stability for discrete-time nonlinear switched singular systems. IET Control Theory and Applications, 2017, 11, 2893-2899.	1.2	28
42	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
43	Observer-based dynamic output-feedback protocol for $H_\infty$ tracking control of multi-agent systems. , 2017, , .		0
44	Adaptive output tracking of switched nonlinear systems with unmodeled dynamics. , 2016, , .		0
45	Input-to-state stability and stabilization of impulsive switched nonlinear systems. , 2016, , .		0
46	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
47	Distributed containment control of multi-agent systems without dynamic observers of leaders. , 2016, , .		1
48	Remote Sensing Image Transfer Classification Based on Weighted Extreme Learning Machine. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1405-1409.	1.4	20
49	Robust stability for switched positive systems with D-perturbation and time-varying delay. Information Sciences, 2016, 369, 522-531.	4.0	26
50	Exponential stabilization of nonlinear switched systems with actuator saturation. , 2016, , .		0
51	Exponential stabilization of singularly perturbed switched systems subject to actuator saturation. Information Sciences, 2015, 320, 235-243.	4.0	33
52	A multiple sub-models self-tuning control algorithm of non-uniformly sampled systems based on auxiliary-variable-model. , 2015, , .		0
53	Composite nonlinear impulsive control for switched singular systems. , 2015, , .		1
54	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

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55	Stability of switched positive descriptor systems with average dwell time switching. Journal of Shanghai Jiaotong University (Science), 2015, 20, 177-184.	0.5	12
56	Event-triggered based containment control of multi-agent systems with general linear dynamics. , 2015, , .		4
57	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
58	Output feedback control of switched positive delayed systems with MDADT. Nonlinear Analysis: Hybrid Systems, 2015, 15, 11-22.	2.1	61
59	Observer-based sliding mode control for switched stochastic systems under asynchronous switching. , 2014, , .		0
60	Stabilization of positive switched delay systems with a hysteresis switching law. , 2014, , .		0
61	Sliding mode control for switched nonlinear systems under asynchronous switching. , 2014, , .		0
62	Supercapacitors based on high-surface-area graphene. Science China Technological Sciences, 2014, 57, 278-283.	2.0	20
63	Robust $H_\infty$ 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
64	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
65	Stabilization for switched stochastic neutral systems under asynchronous switching. Information Sciences, 2013, 222, 501-508.	4.0	39
66	Neodymium-doped ceria nanomaterials: facile low-temperature synthesis and excellent electrical properties for IT-SOFCs. RSC Advances, 2013, 3, 6290.	1.7	6
67	Passivity and Passification for a Class of Uncertain Switched Stochastic Time-Delay Systems. IEEE Transactions on Cybernetics, 2013, 43, 3-13.	6.2	112
68	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
69	Stability analysis for uncertain linear systems with random parameters. , 2012, , .		0
70	Novel complex-coprecipitation route to form high quality triethanolamine-coated Fe <sub>3</sub> O <sub>4</sub> nanocrystals: Their high saturation magnetizations and excellent water treatment properties. CrystEngComm, 2012, 14, 5741.	1.3	46
71	$H_\infty$ control for stochastic switched delay systems with missing measurements: An average dwell time approach. , 2012, , .		0
72	A new identification method of networked control system. , 2012, , .		1

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73	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
74	Stability analysis for switched Hopfield neural networks with time delay. Optimal Control Applications and Methods, 2012, 33, 433-444.	1.3	12
75	Observer Design for Switched Recurrent Neural Networks: An Average Dwell Time Approach. IEEE Transactions on Neural Networks, 2011, 22, 1547-1556.	4.8	100
76	Fuzzy prediction of chaotic time series based on fuzzy clustering. Asian Journal of Control, 2011, 13, 576-581.	1.9	5
77	Exponential stability for switched Cohen-Grossberg neural networks with average dwell time. Nonlinear Dynamics, 2011, 63, 331-343.	2.7	54
78	Local density one-class support vector machines for anomaly detection. Nonlinear Dynamics, 2011, 64, 127-130.	2.7	9
79	Robust $H_\infty$ filtering for a class of stochastic hybrid neutral time-delay systems with average dwell time. , 2011, , .		0
80	Adaptive Variable Structure Control for Uncertain Switched Delay Systems. Circuits, Systems, and Signal Processing, 2010, 29, 1089-1102.	1.2	20
81	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
82	Robust $H_\infty$ 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
83	Sliding-mode control of switched delay systems with nonlinear perturbations: average dwell time approach. Nonlinear Dynamics, 2010, 62, 791-798.	2.7	36
84	Stability of switched Hopfield neural networks with time-varying delay. , 2010, , .		1
85	BitTableAC: Associative classification algorithm based on BitTable. , 2010, , .		0
86	Integral Sliding Mode Control for a Class of Uncertain Switched Nonlinear Systems. European Journal of Control, 2010, 16, 16-22.	1.6	68
87	Output feedback variable structure control for a class of uncertain switched systems. Asian Journal of Control, 2009, 11, 31-39.	1.9	46
88	Robust $H_\infty$ sliding mode control for a class of uncertain switched delay systems. International Journal of Systems Science, 2009, 40, 855-866.	3.7	59
89	Robust $H_\infty$ SMC of uncertain switched systems with time delay. , 2008, , .		3
90	Robust $H_\infty$ control of uncertain switched delay systems using multiple Lyapunov functions. , 2008, , .		7

#	ARTICLE	IF	CITATIONS
91	Event-triggered control of networked switched systems under network attacks. Transactions of the Institute of Measurement and Control, 0, , 014233122110502.	1.1	9