Jian Li

**List of Publications by Year
in descending order**

53 papers	801 citations	471509 17 h-index	552781 26 g-index
54 all docs	54 docs citations	54 times ranked	702 citing authors

#	Article	IF	Citations
1	TrendRank method for evaluating the importance of power grid nodes considering information network. IET Generation, Transmission and Distribution, 2023, 17, 539-550.	2.5	3
2	Reliable control strategy based on sliding mode observer against FDI attacks in smart grid. Asian Journal of Control, 2023, 25, 910-920.	3.0	5
3	Sequential recovery of cyber-physical power systems based on improved Q-learning. Journal of the Franklin Institute, 2023, 360, 13692-13711.	3.4	4
4	Cyber-attacks against cyber-physical power systems security: State estimation, attacks reconstruction and defense strategy. Applied Mathematics and Computation, 2022, 413, 126639.	2.2	35
5	Robust H$\hat{}$žH_infty dynamic output feedback control of the DC–AC converter with a neutral leg. IET Power Electronics, 2022, 15, 1380-1391.	2.1	1
6	Fault detection for DC-DC converters using adaptive parameter identification. Journal of the Franklin Institute, 2022, 359, 5778-5797.	3.4	5
7	Sensor fault isolation for DC-DC converters via switched affine systems. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 400-410.	1.0	2
8	Observer-based fault detection for switched systems with all unstable subsystems. Journal of Control and Decision, 2021, 8, 116-123.	1.6	9
9	Analysis of cascading failures of power cyber-physical systems considering false data injection attacks. Global Energy Interconnection, 2021, 4, 204-213.	2.3	14
10	Observer-based detection and reconstruction of dynamic load altering attack in smart grid. Journal of the Franklin Institute, 2021, 358, 4013-4027.	3.4	30
11	Passivity and Reduced-order Feedback Passification of Discrete-Time Switched Systems with Mode-Dependent Persistent Dwell Time. Circuits, Systems, and Signal Processing, 2021, 40, 5997-6015.	2.0	1
12	Cyber attack estimation and detection for cyber-physical power systems. Applied Mathematics and Computation, 2021, 400, 126056.	2.2	20
13	Robust fault diagnosis for DC–DC Boost converters via switched systems. Control Engineering Practice, 2021, 112, 104836.	5.5	12
14	An adaptive sliding–mode resilient control strategy in smart grid under mixed attacks. IET Control Theory and Applications, 2021, 15, 1971-1986.	2.1	10
15	A resilient defense strategy against false data injection attack in smart grid. , 2021, , .		2
16	Coordinated passivation control for nonlinear power systems based on switching strategy with input constraints. International Transactions on Electrical Energy Systems, 2021, 31, .	1.9	1
17	Finite-time robust fault detection filter design for interconnected systems concerning with packet dropouts and changing structures. International Journal of Control, 2020, 93, 832-843.	1.9	6
18	Fault detection for switched systems with all modes unstable based on interval observer. Information Sciences, 2020, 517, 167-182.	6.9	65

#	ARTICLE	IF	CITATIONS
19	Valve Controller Design of Multi-Machine Power Systems Based on Adaptive Hamilton Minimax Method. IEEE Access, 2020, 8, 126315-126322.	4.2	2
20	Attack detection and secure state estimation for cyber-physical systems with finite-frequency observers. Journal of the Franklin Institute, 2020, 357, 12724-12741.	3.4	19
21	Robust fault detection and adaptive parameter identification for DC–DC converters via switched systems. International Journal of Adaptive Control and Signal Processing, 2020, 34, 1642-1657.	4.1	1
22	Fault Detection for Interconnected Systems Subject to Packet Dropouts via Switching Scheme. International Journal of Control, Automation and Systems, 2020, 18, 3031-3042.	2.7	3
23	Fault detection filter design for a class of discrete-time impulsive switched systems with quantised signals. International Journal of Systems Science, 2020, 51, 413-423.	5.5	2
24	Finite-time fault detection filters design for switched systems with all subsystems unstable. International Journal of Systems Science, 2020, 51, 545-555.	5.5	3
25	Robust point–to–point iterative learning control with trial–varying initial conditions. IET Control Theory and Applications, 2020, 14, 3344-3350.	2.1	85
26	Distributed Finite-Time Secondary Voltage Restoration of Droop-Controlled Islanded Microgrids. IEEE Access, 2020, 8, 118183-118191.	4.2	8
27	Stability Analysis for State-constrained Switched Systems with All Subsystems Unstable. International Journal of Control, Automation and Systems, 2019, 17, 2482-2489.	2.7	5
28	Finite-time Fault Detection Filtering for Switched Singular Systems with All Modes Unstable: an ADT Approach. International Journal of Control, Automation and Systems, 2019, 17, 2026-2036.	2.7	16
29	Improved Nonlinear Robust Adaptive Backstepping Controller Design for Generator Excitation Systems. IEEE Access, 2019, 7, 83187-83197.	4.2	4
30	Robust fault detection and estimation observer design for switched systems. Nonlinear Analysis: Hybrid Systems, 2019, 34, 30-42.	3.5	54
31	Distributed Secondary Voltage Control of Islanded Microgrids Based on RBF-Neural-Network Sliding-Mode Technique. IEEE Access, 2019, 7, 65616-65623.	4.2	36
32	Sensor Fault Detection and Fault-Tolerant Control for Buck Converter via Affine Switched Systems. IEEE Access, 2019, 7, 47124-47134.	4.2	17
33	Sensor fault detection and estimation for switched power electronics systems based on sliding mode observer. Applied Mathematics and Computation, 2019, 353, 282-294.	2.2	44
34	Fault Detection Filtering for Discrete-time Switched Systems with All Subsystems Unstable. , 2019, , .		0
35	fault detection for switched systems with all subsystems unstable. IET Control Theory and Applications, 2019, 13, 1796-1803.	2.1	7
36	Robust fault diagnosis for switched systems based on sliding mode observer. Applied Mathematics and Computation, 2019, 341, 193-203.	2.2	23

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37	Robust fault detection filter design for interconnected systems subject to packet dropouts and structure changes. IET Control Theory and Applications, 2018, 12, 368-376.	2.1	15
38	Static Output Feedback Stabilization of a Class of Switched Linear Systems with State Constraints. International Journal of Control, Automation and Systems, 2018, 16, 505-511.	2.7	10
39	An improved adaptive backstepping approach on static var compensator controller of nonlinear power systems. International Journal of Adaptive Control and Signal Processing, 2018, 32, 700-712.	4.1	11
40	Backstepping and Sliding†Mode Techniques Applied to Distributed Secondary Control of Islanded Microgrids. Asian Journal of Control, 2018, 20, 1288-1295.	3.0	20
41	A Fully Distributed Approach for Economic Dispatch Problem of Smart Grid. Energies, 2018, 11, 1993.	3.1	17
42	Sensor Fault Detection and System Reconfiguration for DC-DC Boost Converter. Sensors, 2018, 18, 1375.	3.8	8
43	Improved adaptive backstepping sliding mode control for generator steam valves of non†linear power systems. IET Control Theory and Applications, 2017, 11, 1414-1419.	2.1	34
44	Finite-time fault detection filter design for discrete-time interconnected systems with average dwell time. Applied Mathematics and Computation, 2017, 313, 259-270.	2.2	19
45	Simultaneous fault detection and control design for switched systems with two quantized signals. ISA Transactions, 2017, 66, 296-309.	5.7	24
46	Improved robust adaptive backstepping control approach on STATCOM for non†linear power systems. IET Generation, Transmission and Distribution, 2017, 11, 3428-3437.	2.5	14
47	Fault detection filter design for switched systems with quantization effects. Journal of the Franklin Institute, 2016, 353, 2431-2450.	3.4	27
48	Simultaneous fault detection and control for switched systems with actuator faults. International Journal of Systems Science, 2016, 47, 2411-2427.	5.5	11
49	Fault detection filter design for discrete†time switched linear systems with mode†dependent average dwell†time. International Journal of Adaptive Control and Signal Processing, 2014, 28, 77-95.	4.1	13
50	Fault detection for switched linear parameter†varying systems: an average dwell†time approach. IET Control Theory and Applications, 2013, 7, 1120-1130.	2.1	17
51	Fault detection and isolation for switched linear systems: A switched Lyapunov function approach. , 2012, , .		4
52	Adaptive observer-based attack location and defense strategy in smart grid. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 0, , 095965182110320.	1.0	3
53	Improved coordinated control for thyristor controlled series compensation and generator excitation. IET Electric Power Applications, 0, , .	1.8	0