

Jian Li

List of Publications by Year in descending order

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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	Robust point-to-point iterative learning control with varying initial conditions. IET Control Theory and Applications, 2020, 14, 3344-3350.	2.1	85
2	Fault detection for switched systems with all modes unstable based on interval observer. Information Sciences, 2020, 517, 167-182.	6.9	65
3	Robust fault detection and estimation observer design for switched systems. Nonlinear Analysis: Hybrid Systems, 2019, 34, 30-42.	3.5	54
4	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
5	Distributed Secondary Voltage Control of Islanded Microgrids Based on RBF-Neural-Network Sliding-Mode Technique. IEEE Access, 2019, 7, 65616-65623.	4.2	36
6	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
7	Improved adaptive backstepping sliding mode control for generator steam valves of nonlinear power systems. IET Control Theory and Applications, 2017, 11, 1414-1419.	2.1	34
8	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
9	Fault detection filter design for switched systems with quantization effects. Journal of the Franklin Institute, 2016, 353, 2431-2450.	3.4	27
10	Simultaneous fault detection and control design for switched systems with two quantized signals. ISA Transactions, 2017, 66, 296-309.	5.7	24
11	Robust fault diagnosis for switched systems based on sliding mode observer. Applied Mathematics and Computation, 2019, 341, 193-203.	2.2	23
12	Backstepping and Sliding-Mode Techniques Applied to Distributed Secondary Control of Islanded Microgrids. Asian Journal of Control, 2018, 20, 1288-1295.	3.0	20
13	Cyber attack estimation and detection for cyber-physical power systems. Applied Mathematics and Computation, 2021, 400, 126056.	2.2	20
14	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
15	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
16	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
17	A Fully Distributed Approach for Economic Dispatch Problem of Smart Grid. Energies, 2018, 11, 1993.	3.1	17
18	Sensor Fault Detection and Fault-Tolerant Control for Buck Converter via Affine Switched Systems. IEEE Access, 2019, 7, 47124-47134.	4.2	17

#	ARTICLE	IF	CITATIONS
19	Finite-time Fault Detection Filtering for Switched Singular Systems with All Modes Unstable: an ADT Approach. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 2026-2036.	2.7	16
20	Robust fault detection filter design for interconnected systems subject to packet dropouts and structure changes. <i>IET Control Theory and Applications</i> , 2018, 12, 368-376.	2.1	15
21	Improved robust adaptive backstepping control approach on STATCOM for non-linear power systems. <i>IET Generation, Transmission and Distribution</i> , 2017, 11, 3428-3437.	2.5	14
22	Analysis of cascading failures of power cyber-physical systems considering false data injection attacks. <i>Global Energy Interconnection</i> , 2021, 4, 204-213.	2.3	14
23	Fault detection filter design for discrete-time switched linear systems with mode-dependent average dwell-time. <i>International Journal of Adaptive Control and Signal Processing</i> , 2014, 28, 77-95.	4.1	13
24	Robust fault diagnosis for DC-DC Boost converters via switched systems. <i>Control Engineering Practice</i> , 2021, 112, 104836.	5.5	12
25	Simultaneous fault detection and control for switched systems with actuator faults. <i>International Journal of Systems Science</i> , 2016, 47, 2411-2427.	5.5	11
26	An improved adaptive backstepping approach on static var compensator controller of nonlinear power systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018, 32, 700-712.	4.1	11
27	Static Output Feedback Stabilization of a Class of Switched Linear Systems with State Constraints. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 505-511.	2.7	10
28	An adaptive sliding-mode resilient control strategy in smart grid under mixed attacks. <i>IET Control Theory and Applications</i> , 2021, 15, 1971-1986.	2.1	10
29	Observer-based fault detection for switched systems with all unstable subsystems. <i>Journal of Control and Decision</i> , 2021, 8, 116-123.	1.6	9
30	Sensor Fault Detection and System Reconfiguration for DC-DC Boost Converter. <i>Sensors</i> , 2018, 18, 1375.	3.8	8
31	Distributed Finite-Time Secondary Voltage Restoration of Droop-Controlled Islanded Microgrids. <i>IEEE Access</i> , 2020, 8, 118183-118191.	4.2	8
32	fault detection for switched systems with all subsystems unstable. <i>IET Control Theory and Applications</i> , 2019, 13, 1796-1803.	2.1	7
33	Finite-time robust fault detection filter design for interconnected systems concerning with packet dropouts and changing structures. <i>International Journal of Control</i> , 2020, 93, 832-843.	1.9	6
34	Stability Analysis for State-constrained Switched Systems with All Subsystems Unstable. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 2482-2489.	2.7	5
35	Reliable control strategy based on sliding mode observer against FDI attacks in smart grid. <i>Asian Journal of Control</i> , 2023, 25, 910-920.	3.0	5
36	Fault detection for DC-DC converters using adaptive parameter identification. <i>Journal of the Franklin Institute</i> , 2022, 359, 5778-5797.	3.4	5

#	ARTICLE	IF	CITATIONS
37	Fault detection and isolation for switched linear systems: A switched Lyapunov function approach. , 2012, , .		4
38	Improved Nonlinear Robust Adaptive Backstepping Controller Design for Generator Excitation Systems. IEEE Access, 2019, 7, 83187-83197.	4.2	4
39	Sequential recovery of cyber-physical power systems based on improved Q-learning. Journal of the Franklin Institute, 2023, 360, 13692-13711.	3.4	4
40	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
41	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
42	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
43	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
44	Valve Controller Design of Multi-Machine Power Systems Based on Adaptive Hamilton Minimax Method. IEEE Access, 2020, 8, 126315-126322.	4.2	2
45	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
46	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
47	A resilient defense strategy against false data injection attack in smart grid. , 2021, , .		2
48	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
49	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
50	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
51	Robust H_{∞} dynamic output feedback control of the DC-AC converter with a neutral leg. IET Power Electronics, 2022, 15, 1380-1391.	2.1	1
52	Fault Detection Filtering for Discrete-time Switched Systems with All Subsystems Unstable. , 2019, , .		0
53	Improved coordinated control for thyristor controlled series compensation and generator excitation. IET Electric Power Applications, 0, , .	1.8	0