

Yong Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

114
papers

744
citations

14
h-index

22
g-index

158
ext. papers

1,106
ext. citations

3.9
avg, IF

5.42
L-index

#	Paper	IF	Citations
114	Adaptive Sliding Mode Control of Robot Manipulators with System Failures. <i>Mathematics</i> , 2022 , 10, 339	2.3	2
113	An ECC-Based Conditional Privacy-Preserving Authentication Scheme for Vehicle-to-Vehicle Communications 2022 , 121-146		
112	CLC- and PKI-based Hybrid Signcryption Scheme Using Bilinear Pairing for Secure Heterogeneous Vehicle-to-Infrastructure Communications 2022 , 201-230		
111	Sliding Mode Resilient Control for TOD-based Servo System Under DoS Attack. <i>International Journal of Control, Automation and Systems</i> , 2022 , 20, 526-535	2.9	1
110	Adaptive sliding-mode tracking control of networked control systems with false data injection attacks. <i>Information Sciences</i> , 2022 , 585, 194-208	7.7	4
109	High-Order Sliding-Mode Tracking Control of Networked Systems with Communication Constraints 2022 , 71-100		
108	Finite-Time Sliding-Mode Tracking Control for Networked Systems with Faults and Disturbances 2022 , 121-139		
107	Robust Sliding-Mode Tracking Control for NCSs with Random Delay and Packet Dropouts 2022 , 55-70		
106	Related Background and Pre-knowledge 2022 , 1-28		
105	Fast Sliding-Mode Tracking Control for Networked Systems with Actuator Faults 2022 , 101-119		
104	Terminal Integral Sliding-Mode Tracking Control for Networked Systems with False Data Injection (FDI) Attacks 2022 , 175-192		
103	Resilient Sliding-Mode Tracking Control for Networked Systems with DoS Attack 2022 , 159-173		
102	Super-Twisting Sliding-Mode Tracking Control for Networked Systems with Multi-Channels Transmission 2022 , 141-158		
101	Adaptive Sliding-Mode Tracking Control for Networked Systems with Network-Induced Disturbance 2022 , 29-54		
100	Asymmetric phase shift modulation strategy of DAB converters for improved Light load Efficiency. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	4
99	Dynamic Memory Event-Triggered Adaptive Control for a Class of Strict-Feedback Nonlinear Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022 , 1-1	3.5	
98	Electromagnetic interference shielding performance calculate model for double layer shielded cable connector in EV. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2022 , 1-12	0.4	

97	Event-based Networked Predictive Control Systems with Secure Transmission Protocol. <i>International Journal of Control, Automation and Systems</i> , 2022 , 20, 1076-1086	2.9	1
96	Pareto Multiobjective Lyapunov-Based Economic Model-Predictive Control for Nonlinear Time-Delayed System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-10	7.3	
95	Adaptive Finite-Time Tracking Control of Robot Manipulators With Multiple Uncertainties Based on a Low-Cost Neural Approximator. <i>Journal of the Franklin Institute</i> , 2022 , 359, 4938-4938	4	0
94	ADP-based Remote Secure Control for Networked Control Systems under Unknown Nonlinear Attacks in Sensor and Actuator. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	
93	Comprehensive analysis of asymmetric modulated Dual-Active-Bridge converter and its Hybrid control strategy. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	
92	Actuator Fault-Tolerant Control for Four-Wheel-Drive-by-Wire Electric Vehicle. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	2
91	Sliding-mode secure control for jump cyberphysical systems with malicious attacks. <i>Journal of the Franklin Institute</i> , 2021 , 358, 3424-3440	4	3
90	Bilinear Pairing-Based Hybrid Signcryption for Secure Heterogeneous Vehicular Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 5974-5989	6.8	5
89	Improved hybrid fixed-frequency modulation strategy for series resonant converters for wide range applications. <i>Journal of Power Electronics</i> , 2021 , 21, 1270-1282	0.9	1
88	Robust Control of Networked System and Its Application. <i>International Journal of Control, Automation and Systems</i> , 2021 , 19, 2622-2633	2.9	1
87	Event trigger-based adaptive sliding mode fault-tolerant control for dynamic systems. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	1
86	Dynamic Event-Based Model Predictive Load Frequency Control for Power Systems Under Cyber Attacks. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 715-725	10.7	18
85	A Simplified Method for Extracting Parasitic Inductances of MOSFET-Based Half-Bridge Circuit. <i>IEEE Access</i> , 2021 , 9, 14122-14129	3.5	0
84	Adaptive Resilient Control for Interconnected Vehicular Platoon With Fault and Saturation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-13	6.1	2
83	Expert System-Based EMI Modeling Method for IGBT in Electric Drive System of EV. <i>IEEE Access</i> , 2021 , 9, 42688-42696	3.5	
82	Resilient Predictive Control for Cyber-Physical Systems under Denial-of-Service Attacks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	3
81	An Efficient and Provably Secure ECC-Based Conditional Privacy-Preserving Authentication for Vehicle-to-Vehicle Communication in VANETs. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 1278-1291	6.8	11
80	FHOSM Tolerant Control for Networked Control Systems with Disturbances and Faults. <i>International Journal of Control, Automation and Systems</i> , 2021 , 19, 3049-3061	2.9	0

79	Adaptive Fast Fault Location for Open-Switch Faults of Voltage Source Inverter. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021 , 68, 3965-3974	3.9	2
78	Online Control for Biped Robot with Incremental Learning Mechanism. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8599	2.6	2
77	Reduced-order-asynchronous-based control for nonlinear jump networked systems with attacks. <i>Information Sciences</i> , 2021 , 577, 180-195	7.7	2
76	Hybrid Sliding-Mode Position-Tracking Control for Servo System With External Disturbance. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 5478-5488	5.6	2
75	. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	4
74	Soft switching high step-down series-capacitor based converter with coupled-inductor technique. <i>Journal of Power Electronics</i> , 2020 , 20, 873-883	0.9	2
73	Stability Analysis of Complex Network Control System With Dynamical Topology and Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-10	7.3	3
72	Fuzzy robust fault-tolerant control for offshore ship-mounted crane system. <i>Information Sciences</i> , 2020 , 526, 119-132	7.7	12
71	Wide-Area Robust Sliding Mode Controller for Power Systems With False Data Injection Attacks. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 922-930	10.7	20
70	Terminal sliding mode control of permanent magnet synchronous motor based on the reaching law. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2020 , 234, 849-859	1	6
69	Event-Triggered Robust Adaptive Sliding Mode Fault-Tolerant Control For Nonlinear Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 6982-6992	11.9	20
68	MPC for the Cyber-Physical System with Deception Attacks 2020 ,		1
67	Fractional-order sliding mode position tracking control for servo system with disturbance. <i>ISA Transactions</i> , 2020 , 105, 269-277	5.5	9
66	Asynchronous control strategy for semi-Markov switched system and its application. <i>Information Sciences</i> , 2020 , 532, 125-138	7.7	9
65	Observer-based adaptive threshold diagnosis method for open-switch faults of voltage source inverters. <i>Journal of Power Electronics</i> , 2020 , 20, 1573-1582	0.9	4
64	Inverse Jacobian Adaptive Tracking Control of Robot Manipulators with Kinematic, Dynamic, and Actuator Uncertainties. <i>Complexity</i> , 2020 , 2020, 1-12	1.6	2
63	. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2882-2894	11.9	24
62	Current observer-based online open-switch fault diagnosis for voltage-source inverter. <i>ISA Transactions</i> , 2020 , 99, 445-453	5.5	8

61	Designing of power system stabilizer based on neural-like P systems. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2020 , 234, 199-210	1	3
60	Sparse Representation and SVM Diagnosis Method Inter-Turn Short-Circuit Fault in PMSM. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 224	2.6	7
59	Four-Dimensional Space Vector PWM Strategy for Five-Phase Voltage Source Inverter. <i>IEEE Access</i> , 2019 , 7, 59013-59021	3.5	2
58	Faults and Diagnosis Methods of Permanent Magnet Synchronous Motors: A Review. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2116	2.6	34
57	Improving the Accuracy of Fault Frequency by Means of Local Mean Decomposition and Ratio Correction Method for Rolling Bearing Failure. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1888	2.6	5
56	Adaptive fast sliding mode fault tolerant control integrated with disturbance observer for spacecraft attitude stabilization system. <i>ISA Transactions</i> , 2019 , 94, 1-9	5.5	12
55	Dynamic surface methodBased adaptive backstepping control for the permanent magnet synchronous motor on parameter identification. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2019 , 233, 1172-1181	1	6
54	Open-Switch Fault Diagnosis Method in Voltage-Source Inverters Based on Phase Currents. <i>IEEE Access</i> , 2019 , 7, 63619-63625	3.5	17
53	Design and implementation of a virtual capacitor based DC current suppression method for grid-connected inverters. <i>ISA Transactions</i> , 2019 , 92, 257-272	5.5	10
52	Adaptive Fuzzy Control for Teleoperation System with Uncertain Kinematics and Dynamics. <i>International Journal of Control, Automation and Systems</i> , 2019 , 17, 1158-1166	2.9	11
51	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 1272-1285	5.6	11
50	An Intelligent Knowledge Extraction Framework for Recognizing Identification Information From Real-World ID Card Images. <i>IEEE Access</i> , 2019 , 7, 165448-165457	3.5	1
49	Adaptive tracking control for networked control systems of intelligent vehicle. <i>Information Sciences</i> , 2019 , 503, 493-507	7.7	13
48	Sliding Mode Fault Tolerant Tracking Control for a Single-Link Flexible Joint Manipulator System. <i>IEEE Access</i> , 2019 , 7, 83046-83057	3.5	11
47	Matching Quality Detection System of Synchronizer Ring and Cone. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3622	2.6	1
46	An intelligent dc current minimization method for transformerless grid-connected photovoltaic inverters. <i>ISA Transactions</i> , 2019 , 88, 268-279	5.5	8
45	Challenging research for networked control systems: A survey. <i>Transactions of the Institute of Measurement and Control</i> , 2019 , 41, 2400-2418	1.8	15
44	Series-Capacitor-Based Buck PFC Converter With High Power Factor and Ultrahigh Step-Down Conversion Ratio. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 6895-6905	8.9	14

43	Energy efficient walking control for biped robots using interval type-2 fuzzy logic systems and optimized iteration algorithm. <i>ISA Transactions</i> , 2019 , 87, 143-153	5.5	12
42	A sliding mode speed and position observer for a surface-mounted PMSM. <i>ISA Transactions</i> , 2019 , 87, 17-27	5.5	12
41	Adaptive fault tolerant control for time-varying delay system with actuator fault and mismatched disturbance. <i>ISA Transactions</i> , 2019 , 89, 122-130	5.5	8
40	Robust Adaptive Sliding Mode Control for Switched Networked Control Systems With Disturbance and Faults. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 193-204	11.9	73
39	. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 4026-4037	7	39
38	Wide-area Stabiliser on Sliding Mode Control for Cross-area Power Systems with Random Delay and Packet Dropouts. <i>Asian Journal of Control</i> , 2018 , 20, 2130-2142	1.7	5
37	A Fast Three-Dimensional Display Method for Time-Frequency Spectrogram Used in Embedded Fault Diagnosis Devices. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1930	2.6	2
36	Optimal Control, Safety Technology, and Electromagnetic Compatibility in the Driving System of Electric Vehicle. <i>Journal of Control Science and Engineering</i> , 2018 , 2018, 1-2	1.2	
35	Fault-Tolerant Control Strategy for Five-Phase PMSM With Third-Harmonic Current Injection. <i>IEEE Access</i> , 2018 , 6, 58501-58509	3.5	12
34	Robust Time-varying H _∞ Control for Networked Control System with Uncertainties and External Disturbance. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 2125-2135	2.9	15
33	Sparse Haar-Like Feature and Image Similarity-Based Detection Algorithm for Circular Hole of Engine Cylinder Head. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2006	2.6	1
32	Bipedal walking pattern generation and control for humanoid robot with bivariate stability margin optimization. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401880088	1.2	0
31	Fault Detection of Stator Inter-Turn Short-Circuit in PMSM on Stator Current and Vibration Signal. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1677	2.6	19
30	. <i>IEEE Access</i> , 2018 , 6, 59383-59393	3.5	8
29	Robust Tracking Control of Networked Control Systems With Communication Constraints and External Disturbance. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4037-4047	8.9	53
28	Sliding mode predictive tracking control for DC permanent magnet motor in NCSs with random delay and packet dropouts. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 2723-2732 ^{2,9}	2.9	12
27	2-Order discrete-time sliding-mode tracking control for DC motor in NCSs with random delay 2017 ,		1
26	Disturbance observer-based backstepping control for permanent magnet synchronous motor 2017 ,		1

25	Sensorless control at low speed based on HF signal injection and a new signal processing method 2017 ,		3
24	Overview of landmarks for autonomous, vision-based landing of unmanned helicopters. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2016 , 31, 14-27	2.4	4
23	A predictive control method for networked control systems with random delay and packet dropouts 2016 ,		2
22	Improved SIFT image registration algorithm on characteristic statistical distributions and consistency constraint. <i>Optik</i> , 2016 , 127, 900-911	2.5	22
21	Voltage Balancing Method on Expert System for 51-Level MMC in High Voltage Direct Current Transmission. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-6	1.1	3
20	Online adaptive parameter identification of PMSM based on the dead-time compensation. <i>International Journal of Electronics</i> , 2015 , 102, 1132-1150	1.2	13
19	High Power Factor Light-emitting Diode Driver on Digital Signal Processor Without Electrolytic Capacitor for High-power Lighting. <i>Electric Power Components and Systems</i> , 2015 , 43, 83-94	1	3
18	Online Identification Methods of Load Rotary Inertia and Torque in Radar Servo System. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-8	1.1	
17	A novel method of object detection from a moving camera based on image matching and frame coupling. <i>PLoS ONE</i> , 2014 , 9, e109809	3.7	6
16	Study and design of a novel three-phase bridgeless boost power factor correction. <i>IET Power Electronics</i> , 2014 , 7, 2013-2021	2.2	6
15	Rectification control points selection method of triangle mesh in optical pressure measurement of wind-tunnel test. <i>Review of Scientific Instruments</i> , 2014 , 85, 085108	1.7	1
14	Application of Improved Bridgeless Power Factor Correction Based on One-cycle Control in Electric Vehicle Charging System. <i>Electric Power Components and Systems</i> , 2014 , 42, 112-123	1	6
13	Tracking error and contouring error analysis of coordinated control in biaxial motion of radar servo system 2014 ,		1
12	Robust Image Matching Algorithm Using SIFT on Multiple Layered Strategies. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-12	1.1	
11	Object detection and tracking with active camera on motion vectors of feature points and particle filter. <i>Review of Scientific Instruments</i> , 2013 , 84, 065109	1.7	2
10	Probabilistic Reactive Power Optimization of Distribution Network Considering Stochastic Wind Speed and Load. <i>Advanced Materials Research</i> , 2013 , 684, 676-679	0.5	
9	Note: An object detection method for active camera. <i>Review of Scientific Instruments</i> , 2013 , 84, 096108	1.7	1
8	Robust adaptive controller with disturbance observer for vehicular radar servo system. <i>International Journal of Control, Automation and Systems</i> , 2011 , 9, 169-175	2.9	12

7	Fuzzy PID control for landing gear based on magneto-rheological (MR) damper 2009 ,	2	
6	Fuzzy Radius Basis Function neural network based vector control of Permanent Magnet Synchronous Motor 2008 ,	1	
5	Design and Implementation of a Power System Sensor Network for Wide-Area Measurement 2008 ,	4	
4	An Artificial Neural Network Based on CIEA 2008 ,	1	
3	A Novel Vehicle Safety Traffic Pre-warning Decision on Multi-sensor Information Fusion 2007 ,	2	
2	Sliding mode control for direct current motor system with multi-channels and external disturbances. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> ,095965182110559	1	
1	Adaptive-triggered asynchronous control for stochastic jumping systems under sliding mode. <i>International Journal of Control</i> ,1-10	1.5	1