

# Jinhui Xia

## List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Sensor Fault Identification and Remediation for Single-Phase Grid-Connected Converters Using Hybrid Observers With Unknown Input Adaptation. IEEE Transactions on Industrial Electronics, 2023, 70, 2407-2418.	7.9	7
2	Modulated Model Predictive Control of Modular Multilevel Converters Operating in a Wide Frequency Range. IEEE Transactions on Industrial Electronics, 2023, 70, 4380-4391.	7.9	4
3	PDDL: Proactive Distributed Detection and Localization Against Stealthy Deception Attacks in DC Microgrids. IEEE Transactions on Smart Grid, 2023, 14, 714-731.	9.0	9
4	Adaptive Resilient Control for Variable-Speed Wind Turbines Against False Data Injection Attacks. IEEE Transactions on Sustainable Energy, 2022, 13, 971-985.	8.8	28
5	CHARACTERISTIC ANALYSIS OF FRACTIONAL-ORDER RLC CIRCUIT BASED ON THE CAPUTOâ€“FABRIZIO DEFINITION. Fractals, 2022, 30, .	3.7	6
6	Variable Sampling Frequency Model Predictive Torque Control for VSI-Fed IM Drives Without Current Sensors. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1507-1517.	5.4	16
7	Robust Speed and Current Control With Parametric Adaptation for Surface-Mounted PMSM Considering System Perturbations. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2807-2817.	5.4	22
8	Fault-Tolerant Predictive Torque Control Design for Induction Motor Drives Based on Discrete Space Vector Modulation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5441-5451.	5.4	11
9	Adaptive-Observer-Based Sensor Fault Resilient Control for Single-Phase Grid-Connected Converters in High-Speed Railway Traction Systems. , 2021, , .		1
10	Fast Restarting of Free-Running Induction Motors Under Speed-Sensorless Vector Control. IEEE Transactions on Industrial Electronics, 2020, 67, 6124-6134.	7.9	15
11	Modified Synchronized SVPWM Strategies to Reduce CMV for Three-Phase VSIs at Low Switching Frequency. IEEE Transactions on Industry Applications, 2020, 56, 5245-5256.	4.9	12
12	Openâ€“circuit fault diagnosis for a faultâ€“tolerant threeâ€“level neutralâ€“pointâ€“clamped STATCOM. IET Power Electronics, 2019, 12, 810-816.	2.1	16
13	Parameter-Estimation-Based Adaptive MTPA Control for Interior Permanent Magnet Synchronous Motors. , 2019, , .		4
14	Step-Signal-Injection-Based Robust MTPA Operation Strategy for Interior Permanent Magnet Synchronous Machines. IEEE Transactions on Energy Conversion, 2019, 34, 2052-2061.	5.2	23
15	Robust Control Strategy Design for Single-Phase Grid-Connected Converters Under System Perturbations. IEEE Transactions on Industrial Electronics, 2019, 66, 8892-8901.	7.9	30
16	Super-Twisting Sliding Mode Observer-Based IPMSM Sensorless Control Strategy Considering VSI Nonlinearity. , 2019, , .		5
17	An Adaptive MTPA Control Method for Interior Permanent Magnet Synchronous Motors Considering Demagnetization and Temperature Effects. , 2018, , .		1
18	Modeling and Real-Time Simulation of Three-Level Fault-Tolerant STATCOM Under Switch Open-Circuit Faults. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Fault Diagnosis and Fault-Tolerant Control for the Sensors of DC-DC Boost Converter. , 2018, , .		4
20	Sensor Fault Diagnosis and System Reconfiguration Approach for an Electric Traction PWM Rectifier Based on Sliding Mode Observer. IEEE Transactions on Industry Applications, 2017, 53, 4768-4778.	4.9	70
21	Online grid inductance estimation for electric traction PWM rectifier based on dual-frequency harmonic current injection. , 2017, , .		3
22	An improved CBPWM method to balance the output voltage of eight-switch three-phase inverter under neutral-point potential unbalance condition. , 2017, , .		4