

# Borong Wang

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fast Transistor Open-Circuit Faults Diagnosis in Grid-Tied Three-Phase VSIs Based on Average Bridge Arm Pole-to-Pole Voltages and Error-Adaptive Thresholds. IEEE Transactions on Power Electronics, 2018, 33, 8040-8051.	7.9	66
2	A Fast Diagnosis Method for Both IGBT Faults and Current Sensor Faults in Grid-Tied Three-Phase Inverters With Two Current Sensors. IEEE Transactions on Power Electronics, 2020, 35, 5267-5278.	7.9	60
3	A Model-Data-Hybrid-Driven Diagnosis Method for Open-Switch Faults in Power Converters. IEEE Transactions on Power Electronics, 2021, 36, 4965-4970.	7.9	49
4	A Redundant Unit to Form T-Type Three-Level Inverters Tolerant of IGBT Open-Circuit Faults in Multiple Legs. IEEE Transactions on Power Electronics, 2020, 35, 924-939.	7.9	38
5	<i>L</i> - and <i>LCL</i> -Filtered Grid-Tied Single-Phase Inverter Transistor Open-Circuit Fault Diagnosis Based on Post-Fault Reconfiguration Algorithms. IEEE Transactions on Power Electronics, 2019, 34, 10180-10192.	7.9	20
6	A Voltage Vector Residual Estimation Method Based on Current Path Tracking for T-Type Inverter Open-Circuit Fault Diagnosis. IEEE Transactions on Power Electronics, 2021, 36, 13460-13477.	7.9	19
7	Real-Time Diagnosis of Multiple Transistor Open-Circuit Faults in a T-Type Inverter Based on Finite-State Machine Model. CPSS Transactions on Power Electronics and Applications, 2020, 5, 74-85.	4.4	18
8	Recovering Partial Three-Level Operation in a T-Type Inverter With Fault Management Redundant Unit. IEEE Transactions on Power Electronics, 2020, 35, 8944-8955.	7.9	9
9	A Fast Average Model-Based Method for IGBT and Current Sensor Fault Diagnosis in Grid-Tied Inverters. , 2018, , .		7
10	An Average Model-Based Transistor Open-Circuit Fault Diagnosis Method for Grid-Tied Single-Phase Inverter. , 2018, , .		5
11	Fast Diagnosis of Multiple Open-Circuit Faults in a T-type Inverter Based on Voltages across Half-Bridge Switches. , 2018, , .		4