

# Zhenyu Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7899690/publications.pdf>

Version: 2024-02-01

25  
papers

227  
citations

1162367

8  
h-index

1281420

11  
g-index

25  
all docs

25  
docs citations

25  
times ranked

113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Probe Inductively Coupled In-Circuit Impedance Measurement. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 2-10.	1.4	8
2	Accuracy Improvement of High-Frequency Transmission Line Model of Induction Motor Through Multilayer Perceptron. , 2022, , .		1
3	A Survey of Impedance Measurement Methods in Power Electronics. , 2022, , .		11
4	Eliminating the Effect of Probe-to-Probe Coupling in Inductive Coupling Method for In-Circuit Impedance Measurement. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	2.4	8
5	MRC-Based Double Figure-of-Eight Coil Sensor System With Triple-Mode Operation Capability for Biomedical Applications. IEEE Sensors Journal, 2021, 21, 14491-14502.	2.4	19
6	Estimation of Radiated Emissions From PV System Through Black Box Approach. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-4.	2.4	6
7	Improved calibration technique for two-probe setup to enhance its in-circuit impedance measurement accuracy. Measurement: Journal of the International Measurement Confederation, 2021, 185, 110007.	2.5	9
8	Detection of Stator Interturn Short-Circuit Faults in Inverter-Fed Induction Motors by Online Common-Mode Impedance Monitoring. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	15
9	In-Circuit Differential-Mode Impedance Extraction at the AC Input of a Motor Drive System. , 2021, , .		4
10	Impact of Motor Stator Winding Faults on Common-Mode Current. , 2021, , .		3
11	Measurement of In-Circuit Common-Mode Impedance at the AC Input of a Motor Drive System. , 2021, , .		4
12	Common-Mode Noise Analysis and Suppression of a GaN-Based LCLC Resonant Converter for Ion Propulsion Power Supply. , 2021, , .		1
13	Compact Quad-Element Vertically-Polarized High-Isolation Wideband MIMO Antenna for Vehicular Base Station. IEEE Transactions on Vehicular Technology, 2020, 69, 10000-10008.	3.9	35
14	A Multiprobe Inductive Coupling Method for Online Impedance Measurement of Electrical Devices Distributed in Multibranch Cables. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5975-5977.	2.4	11
15	Characterization and Extraction of Power Loop Stray Inductance With SiC Half-Bridge Power Module. IEEE Transactions on Electron Devices, 2020, 67, 4040-4045.	1.6	19
16	Two-Probe Online Impedance Measurement Setup with Improved SNR and Enhanced Ruggedness. , 2020, , .		0
17	Time-Variant In-Circuit Impedance Monitoring Based on the Inductive Coupling Method. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 169-176.	2.4	21
18	Voltage-Dependent Capacitance Extraction of SiC Power mosfets Using Inductively Coupled In-Circuit Impedance Measurement Technique. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1322-1328.	1.4	16

#	ARTICLE	IF	CITATIONS
19	Compact Broadband Four-Port MIMO Antenna for 5G and IoT Applications. , 2019, , .		4
20	Study on the Parameters Affecting the Impedance Extraction Accuracy by Inductive Coupling Method. , 2018, , .		3
21	Investigation and Study for Rail Internal-Flaw Inspection Technique. , 2018, , .		4
22	Online Insulation Fault Detection of Stator Winding of Induction Motor based on a Non-Intrusive Impedance Extraction Technique. , 2018, , .		6
23	Extraction of Loop Inductances of SiC Half-Bridge Power Module Using An Improved Two-port Network Method. , 2018, , .		4
24	Extraction of voltage-dependent capacitances of SiC device through inductive coupling method. , 2018, , .		4
25	Modeling and simulation of switching characteristics of half-bridge SiC power module in single leg T-type converter for EMI prediction. , 2018, , .		11