

# Wenbin Zhang

## List of Publications by Year in descending order

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28  
papers

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citations

1478505

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1199594

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all docs

28  
docs citations

28  
times ranked

122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of Open-Ended Structure Wideband PCB Rogowski Coil Based on New Winding Method. Electronics (Switzerland), 2022, 11, 381.	3.1	7
2	Research on Low-Voltage AC Series Arc-Fault Detection Method Based on Electromagnetic Radiation Characteristics. Energies, 2022, 15, 1829.	3.1	10
3	A Method for Autonomous Navigation and Positioning of UAV Based on Electric Field Array Detection. Sensors, 2021, 21, 1146.	3.8	26
4	Research on the Three-Dimensional Power Frequency Electric Field Measurement System. Journal of Sensors, 2021, 2021, 1-15.	1.1	3
5	Evaluation Method for Winding Performance of Distribution Transformer. Energies, 2021, 14, 5832.	3.1	1
6	Research on On-Line Detection Method of Transformer Winding Deformation Based on VFTO. Sensors, 2021, 21, 7386.	3.8	4
7	Research on UAV Three-Phase Transmission Line Tracking and Localization Method Based on Electric Field Sensor Array. Sensors, 2021, 21, 8400.	3.8	4
8	Research and Experiments on an External Miniaturized VFTO Measurement System. Sensors, 2020, 20, 244.	3.8	9
9	Method for Localization Aerial Target in AC Electric Field Based on Sensor Circular Array. Sensors, 2020, 20, 1585.	3.8	5
10	Design and Verification of VFTO Differentiating-Integrating Measurement Equivalent Circuit. Integrated Ferroelectrics, 2020, 207, 96-107.	0.7	4
11	A Method Based on Multi-Sensor Data Fusion for UAV Safety Distance Diagnosis. Electronics (Switzerland), 2019, 8, 1467.	3.1	32
12	Research of electrostatic field measurement sensors. Ferroelectrics, 2019, 549, 172-183.	0.6	3
13	Non-contact miniature lightning overvoltage sensor. Ferroelectrics, 2019, 549, 184-194.	0.6	1
14	Study on wettability of low-melting alloy material on copper substrates. Ferroelectrics, 2019, 549, 160-171.	0.6	2
15	DC high voltage electricity inspection device based on vibration capacitance sensor. Ferroelectrics, 2019, 548, 150-164.	0.6	2
16	Influence of temperature and humidity on power frequency electric field intensity. Integrated Ferroelectrics, 2018, 191, 104-110.	0.7	1
17	Research on path tracking of intelligent vehicle based on optimal deviation control. Integrated Ferroelectrics, 2018, 191, 80-91.	0.7	6
18	Research on the non-contact early warning of dangerous electric field by overhead transmission lines. Integrated Ferroelectrics, 2017, 181, 141-150.	0.7	1

#	ARTICLE	IF	CITATIONS
19	Transmission line voltage classes identification based on particle swarm optimization algorithm and PCNN. <i>Ferroelectrics</i> , 2017, 521, 6-17.	0.6	6
20	Automatic identification method of voltage level of high voltage transmission line based on SVM. <i>Ferroelectrics</i> , 2017, 521, 86-93.	0.6	5
21	Design for boost DC-DC converter controller based on state-space average method. <i>Integrated Ferroelectrics</i> , 2016, 172, 152-159.	0.7	3
22	Modelling and Simulation of MPPT Algorithm for PV Grid-Connected System. <i>Integrated Ferroelectrics</i> , 2015, 162, 18-23.	0.7	6
23	Fabrication of MEMS-based Micro Direct Methanol Fuel Cell Using Porous Silicon as Catalysts Substrates. <i>Integrated Ferroelectrics</i> , 2014, 153, 79-86.	0.7	1
24	Investigation of nano Pt and Pt-based alloys electrocatalysts for direct methanol fuel cells and their properties. <i>AIP Advances</i> , 2014, 4, 031340.	1.3	8
25	Silicon-based Micro Direct Methanol Fuel Cell Stack to Power Portable Devices Using MEMS Technology. <i>Integrated Ferroelectrics</i> , 2014, 153, 133-139.	0.7	2
26	The analysis on the tracking features of electromagnetic sensor. , 2013, , .		0
27	Using least square support vector machine for reducing the cross-sensitivity of sensors. , 2012, , .		0
28	Torsional Free Vibration Characteristics of Hybrid Clinched Joints. , 2010, , .		5