

# Zhao Qian

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Review on the Electrical Resistance/Conductivity of Carbon Fiber Reinforced Polymer. Applied Sciences (Switzerland), 2019, 9, 2390.	2.5	84
2	Measurement of Permeability for Ferrous Metallic Plates Using a Novel Lift-Off Compensation Technique on Phase Signature. IEEE Sensors Journal, 2019, 19, 7440-7446.	4.7	46
3	Thickness measurement of non-magnetic steel plates using a novel planar triple-coil sensor. NDT and E International, 2019, 107, 102148.	3.7	36
4	An Equivalent-Effect Phenomenon in Eddy Current Non-Destructive Testing of Thin Structures. IEEE Access, 2019, 7, 70296-70307.	4.2	23
5	Measurement of the Radius of Metallic Plates Based on a Novel Finite Region Eigenfunction Expansion (FREE) Method. IEEE Sensors Journal, 2020, 20, 15099-15106.	4.7	17
6	Methods of Controlling Lift-Off in Conductivity Invariance Phenomenon for Eddy Current Testing. IEEE Access, 2020, 8, 122413-122421.	4.2	13
7	Three-Dimensional Electromagnetic Mixing Models for Dual-Phase Steel Microstructures. Applied Sciences (Switzerland), 2018, 8, 529.	2.5	11
8	Simultaneous Measurements of Wire Diameter and Conductivity Using a Combined Inductive and Capacitive Sensor. IEEE Sensors Journal, 2020, 20, 11617-11624.	4.7	11
9	Custom edgeâ€element FEM solver and its application to eddyâ€current simulation of realistic 2Mâ€element human brain phantom. Bioelectromagnetics, 2018, 39, 604-616.	1.6	9
10	Depth Evaluation for Metal Surface Defects by Eddy Current Testing Using Deep Residual Convolutional Neural Networks. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	7
11	A novel hybrid serial/parallel multi-frequency measurement method for impedance analysis in eddy current testing. Review of Scientific Instruments, 2020, 91, 024703.	1.3	6
12	Effect of frozen-thaw injury on cell membrane and bio-impedance. , 2020, , .		2
13	Research on Block Modeling and Electromagnetic Nondestructive Testing Method for Plain Weave CFRP. , 2020, , .		1
14	Boundary-Element Analysis of Magnetic Polarization Tensor for Metallic Cylinder. IEEE Access, 2021, 9, 63250-63256.	4.2	1
15	Eddy Current Phase Gradient and Its Identification of Conductive Material Defects. , 2020, , .		0
16	Electrical Conductivity Analysis of CFRP with Boundary Element Method. , 2020, , .		0