

K Elangovan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Simplified Digitizing Interface-Architectures for Three-Wire Connected Resistive Sensors: Design and Comprehensive Evaluation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	10
2	Design, Analysis, and Hardware Verification of a Linearized Thermistor-Based Temperature Measurement System. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	2
3	Evaluation of New Digital Signal Conditioning Techniques for Resistive Sensors in Some Practically Relevant Scenarios. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	3
4	A Self-Calibration Circuit for the Resistance Measurement of Parallel R-C sensor. , 2021, , .		2
5	A Digital Readout Suitable for Resistive Sensors Affected with a Parasitic Capacitance Element. , 2021, , .		2
6	A Simple Digitization Scheme for Resistive Sensors and its Adaptation for Remote Measurements. , 2021, , .		0
7	Linearizing Relaxation-Oscillator Based Front-End for Magneto-Resistive Angle Sensors. , 2021, , .		0
8	An Efficient Universal Digitizer With Linear Transfer Characteristic for Resistive Sensor Bridges. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-4.	4.7	14
9	A Digital Signal-Conditioner for Resistive Sensors and its Utility for Linearizing GMR-based Magnetometer. , 2020, , .		4
10	Evaluation of a Digital Converter for Linear and Nonlinear Temperature Sensors. , 2020, , .		2
11	Performance Verification of a Digital Interface Suitable for a Broad Class of Resistive Sensors. IEEE Sensors Journal, 2020, 20, 13901-13909.	4.7	19
12	Simple and Efficient Relaxation-Oscillator-Based Digital Techniques for Resistive Sensors " Design and Performance Evaluation. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6070-6079.	4.7	19
13	Relaxation Oscillator Based Digital Interface Circuit for Resistive Sensors. , 2020, , .		0
14	A Digital Front-End for Remotely Located Resistive Sensors. , 2020, , .		1
15	A Simple Digital Interface Circuit for Giant Magneto-Resistance Sensors. , 2019, , .		8
16	Analysis and Performance Verification of an Efficient Digital Converter for Resistive Sensors. , 2018, , .		0