

# Roman Szewczyk

## List of Publications by Year in descending order

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155  
papers

1,045  
citations

471061

17  
h-index

610482

24  
g-index

191  
all docs

191  
docs citations

191  
times ranked

591  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity and Offset Voltage Testing in the Hall-Effect Sensors Made of Graphene. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 631-640.	0.5	62
2	Validation of the Anhyseretic Magnetization Model for Soft Magnetic Materials with Perpendicular Anisotropy. <i>Materials</i> , 2014, 7, 5109-5116.	1.3	48
3	The possibility of utilizing the high permeability magnetic materials in construction of magnetoelastic stress and force sensors. <i>Sensors and Actuators A: Physical</i> , 2004, 113, 270-276.	2.0	46
4	A Mathematical Model of the Thermo-Anemometric Flowmeter. <i>Sensors</i> , 2015, 15, 22899-22913.	2.1	36
5	The Additional Error of Inertial Sensors Induced by Hypersonic Flight Conditions. <i>Sensors</i> , 2016, 16, 299.	2.1	27
6	Extension of the model of the magnetic characteristics of anisotropic metallic glasses. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 4109-4113.	1.3	24
7	Low Current Transformer Utilizing Co-Based Amorphous Alloys. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 1493-1496.	1.2	23
8	Two-Axis, Miniature Fluxgate Sensors. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 1485-1488.	1.2	23
9	Magnetoelastic Villari effect in high-permeability Mn-Zn ferrites and modeling of this effect. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 254-255, 284-286.	1.0	21
10	Comparison of Stress-Impedance Effect in Amorphous Ribbons with Positive and Negative Magnetostriction. <i>Materials</i> , 2019, 12, 275.	1.3	21
11	Extended Jiles-Atherton model for modelling the magnetic characteristics of isotropic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, e1049-e1052.	1.0	20
12	Synthesis of Optimal Robust Regulator for Food Processing Facilities. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 58-66.	0.5	20
13	The study of corrosion resistance of Pokostivskiy granodiorites after processing by various chemical and mechanical methods. <i>Construction and Building Materials</i> , 2016, 114, 241-247.	3.2	19
14	Reliability and Efficiency of Differential Evolution Based Method of Determination of Jiles-Atherton Model Parameters for X30CR13 Corrosion Resisting Martensitic Steel. <i>Journal of Automation, Mobile Robotics and Intelligent Systems</i> , 2014, 8, 63-68.	0.4	18
15	Effects of stress and its dependence on microstructure in Mn-Zn ferrite for power applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 254-255, 547-549.	1.0	17
16	Construction Aspects of Plasma Based Technology for Waste of Electrical and Electronic Equipment (WEEE) Management in Urban Areas. <i>Procedia Engineering</i> , 2013, 57, 1100-1108.	1.2	17
17	The ring-shaped magnetoelastic torque sensors utilizing soft amorphous magnetic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e607-e609.	1.0	15
18	Ferromagnetic Objects Magnetovision Detection System. <i>Materials</i> , 2013, 6, 5593-5601.	1.3	14

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19	E2LP: A Unified Embedded Engineering Learning Platform. , 2013, , .		14
20	Magnetoelastic Properties of Selected Amorphous Systems Tailored by Thermomagnetic Treatment. Journal of Electrical Engineering, 2014, 65, 259-261.	0.4	14
21	Strain Dependence of Hysteretic Giant Magnetoimpedance Effect in Co-Based Amorphous Ribbon. Materials, 2019, 12, 2110.	1.3	14
22	Piezoelectric Gravimeter of the Aviation Gravimetric System. Advances in Intelligent Systems and Computing, 2016, , 753-761.	0.5	14
23	Magnetostrictive Properties and Magnetoelastic Villari Effect in the High-permeability Mn-Zn Ferrites. European Physical Journal D, 2004, 54, 169-172.	0.4	13
24	Influence of thermal treatment on magnetoelastic Villari effect in Fe <sub>78</sub> Si <sub>13</sub> B <sub>9</sub> amorphous alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 1024-1026.	2.6	13
25	Novel Giant Magnetoimpedance Magnetic Field Sensor. Sensors, 2020, 20, 691.	2.1	13
26	Wireless Temperature Measurement System Based on the IQRF Platform. Advances in Intelligent Systems and Computing, 2015, , 281-288.	0.5	13
27	Experimental Verification of Isotropic and Anisotropic Anhysteretic Magnetization Models. Materials, 2019, 12, 1549.	1.3	12
28	Design of Piezoelectric Gravimeter for Automated Aviation Gravimetric System. Journal of Automation, Mobile Robotics and Intelligent Systems, 2016, 10, 43-47.	0.4	12
29	New method of characterization of magnetoelastic properties of amorphous ring cores. Journal of Magnetism and Magnetic Materials, 2003, 254-255, 67-69.	1.0	11
30	Application of Extended Jilesâ€“Atherton Model for Modeling the Magnetic Characteristics of Fe <sub>41.5</sub> Co <sub>41.5</sub> Nb <sub>3</sub> Cu <sub>1</sub> B <sub>13</sub> Alloy in As-Quenched and Nanocrystalline State. IEEE Transactions on Magnetics, 2012, 48, 1389-1392.	1.2	11
31	Eddy current tomography for testing of ferromagnetic and non-magnetic materials. Measurement Science and Technology, 2014, 25, 025902.	1.4	11
32	Magnetoelastic properties of HITPERM-type Fe <sub>41.5</sub> Co <sub>41.5</sub> Cu <sub>1</sub> Nb <sub>3</sub> B <sub>13</sub> nanocrystalline alloy. Journal of Magnetism and Magnetic Materials, 2006, 304, e624-e626.	1.0	10
33	Stress dependence of sensitivity of fluxgate sensor. Sensors and Actuators A: Physical, 2004, 110, 232-235.	2.0	9
34	Modeling the Hysteresis Loop of Ultra-High Permeability Amorphous Alloy for Space Applications. Materials, 2018, 11, 2079.	1.3	9
35	Model of the Magnetostrictive Hysteresis Loop with Local Maximum. Materials, 2019, 12, 105.	1.3	9
36	Technical B-H Saturation Magnetization Curve Models for SPICE, FEM and MoM Simulations. Journal of Automation, Mobile Robotics and Intelligent Systems, 2016, 10, 3-8.	0.4	9

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37	Generalization of the Model of Magnetoelastic Effect: 3D Mechanical Stress Dependence of Magnetic Permeability Tensor in Soft Magnetic Materials. <i>Materials</i> , 2020, 13, 4070.	1.3	8
38	Study on Tribological Properties of Lubricating Grease with Additive of Graphene. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 181-187.	0.5	8
39	Temperature Influence on the Magnetic Characteristics of Mn-Zn Ferrite Materials. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 121-127.	0.5	7
40	Development of the Operation Algorithm for a Automated System Assessing the High-Rise Building. <i>Solid State Phenomena</i> , 2016, 251, 230-236.	0.3	7
41	Automated System for Testing Ferromagnetic Materials. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 817-825.	0.5	7
42	Magnetostrictive Properties of Mn <sub>0.70</sub> Zn <sub>0.24</sub> Fe <sub>2.06</sub> O <sub>4</sub> Ferrite. <i>Materials</i> , 2018, 11, 1894.	1.3	7
43	Sensitivity of Jiles-Atherton model parameters identified during the optimization process. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	7
44	Influence of Torsion on Matteucci Effect Signal Parameters in Co-Based Bistable Amorphous Wire. <i>Materials</i> , 2019, 12, 532.	1.3	7
45	Noise Assessment in Whitney Elements Based Forward Transformation for High Resolution Eddy Current Tomography. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 219-224.	0.5	7
46	Compressive Stress Dependence of Magnetic Properties of Co <sub>66</sub> Fe <sub>4</sub> Ni <sub>1</sub> B <sub>14</sub> Si <sub>15</sub> Alloy. <i>European Physical Journal D</i> , 2002, 52, 183-186.	0.4	6
47	Application of the energy-based model for the magnetoelastic properties of amorphous alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 728-730.	1.0	6
48	Modelling the Characteristics of Ring-Shaped Magnetoelastic Force Sensor in Mohri's Configuration. <i>Sensors</i> , 2020, 20, 266.	2.1	6
49	Novel application of the magnetostrictive delay lines for real-time monitoring of the ceramic components. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, e971-e973.	1.0	5
50	Spectral analysis of Matteucci effect based magnetic field sensor. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	5
51	Unified First Order Inertial Element Based Model of Magnetostrictive Hysteresis and Lift-Off Phenomenon. <i>Materials</i> , 2019, 12, 1689.	1.3	5
52	Determination of the Location and Magnetic Moment of Ferromagnetic Objects Based on the Analysis of Magnetovision Measurements. <i>Sensors</i> , 2019, 19, 337.	2.1	5
53	Quasi-Free-Standing Bilayer Graphene Hall-Effect Sensor. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-4.	1.2	5
54	Determination of Jiles-Atherton Model Parameters Using Differential Evolution. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 11-18.	0.5	5

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55	Methodology of Reduction of the Offset Voltage in Hall-Effect Sensors. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 763-770.	0.5	5
56	Measurement System for Magnetic Field Sensors Testing with Earth's Magnetic Field Compensation. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 613-618.	0.5	5
57	Modified Description of Magnetic Hysteresis in Jiles-Atherton Model. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 648-654.	0.5	5
58	Magnetoelastic Characteristics of Constructional Steel Materials. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 307-315.	0.5	5
59	Design of the Novel Double-ring Dynamical Gravimeter. <i>Journal of Automation, Mobile Robotics and Intelligent Systems</i> , 2015, 9, 47-51.	0.4	5
60	Modelling the Magnetic Characteristics and Temperature Influence on Construction Steels. <i>Solid State Phenomena</i> , 0, 199, 466-471.	0.3	4
61	Influence of Stresses on Magnetic B-H Characteristics of X30Cr13 Corrosion Resisting Martensitic Steel. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 607-614.	0.5	4
62	Preparation, Processing and Selected Properties of Modern Melt-Quenched Alloys. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 381-396.	0.5	4
63	Calorimetric flow meter of motor fuel With Inlet temperature regulation. , 2017, , .		4
64	Algorithms on improvement of accuracy of biofuel temperature measurement in thermo-anemometric flowmeter. , 2017, , .		4
65	Open source ELMER software based FEM modeling of waveguides and resonant cavities for microwave heating and drying devices. <i>Archives of Electrical Engineering</i> , 2017, 66, 745-750.	1.0	4
66	Study on Graphene Growth Process on Various Bronzes and Copper-Plated Steel Substrates. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 171-180.	0.5	4
67	Temperature error of Hall-effect and magneto-resistive commercial magnetometers. <i>Archives of Electrical Engineering</i> , 2017, 66, 625-630.	1.0	4
68	Mathematical and Computer Modelling of the Influence of Stress on Magnetic Characteristics of the Construction Steels. <i>Theoretical and Applied Informatics</i> , 2013, 25, .	0.4	4
69	Analysis and Computer Modeling of Magnetoelastic Characteristics of FeNi-based Amorphous Ring-shaped Core under Uniform Compressive and Tensile Stresses. <i>Theoretical and Applied Informatics</i> , 2013, 25, .	0.4	4
70	Design of the Novel Double-ring Dynamical Gravimeter. <i>Journal of Automation, Mobile Robotics and Intelligent Systems</i> , 2015, 9, 47-51.	0.4	4
71	Magnetostrictive properties of Fe <sub>40</sub> Ni <sub>38</sub> Mo <sub>4</sub> B <sub>18</sub> alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 1137-1139.	2.6	3
72	Modeling of Magnetoelastic Materials for Force and Torque Sensors. <i>Solid State Phenomena</i> , 0, 144, 124-129.	0.3	3

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73	Capabilities of an Open-Source Software, Elmer FEM, in Finite Element Analysis of Fluid Flow. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 118-126.	0.5	3
74	Two Step, Differential Evolution-Based Identification of Parameters of Jiles-Atherton Model of Magnetic Hysteresis Loops. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 635-641.	0.5	3
75	DC Magnetic Field Sensor Based on Matteucci Effect. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 739-745.	0.5	3
76	Mobile Ferrograph System for Ultrahigh Permeability Alloys. <i>Journal of Automation, Mobile Robotics and Intelligent Systems</i> , 2018, 12, 40-42.	0.4	3
77	Functional Performance Testing of Routing Devices in Networks Based on IQMESH Protocol. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 39-47.	0.5	3
78	Distributed Temperature and Humidity Measurement System Utilizing IQMESH Wireless Routing Algorithms. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 1-9.	0.5	3
79	The Influence of Nanocrystallization Process on Magnetoelastic and Structural Properties of Fe <sub>73.5</sub> Nb <sub>3</sub> Cu <sub>1</sub> Si <sub>16.5-x</sub> B <sub>6+x</sub> (x=0; 3) Alloys. <i>European Physical Journal D</i> , 2004, 54, 173-176.	0.4	2
80	The temperature dependence of the magnetoelastic characteristics of cores for force sensors utilizing Fe <sub>70</sub> Ni <sub>8</sub> Si <sub>10</sub> B <sub>12</sub> amorphous alloy. <i>Pramana - Journal of Physics</i> , 2008, 71, 591-597.	0.9	2
81	Infrared Thermal Emission from Joule-Heated Graphene with Defects. , 2014, , .		2
82	New Methodology of Testing the Stress Dependence of Magnetic Hysteresis loop of the L17HMF Heat Resistant Steel Casting. <i>Journal of Automation, Mobile Robotics and Intelligent Systems</i> , 2015, 9, 52-55.	0.4	2
83	Investigation of the Effect of Gravity Anomalies on the Precession Motion of Single Gyroscope Gravimeter. <i>Solid State Phenomena</i> , 2016, 251, 139-145.	0.3	2
84	Test Stand for Measuring Magnetostriction Phenomena Under External Mechanical Stress with Foil Strain Gauges. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 843-853.	0.5	2
85	Optimization of Interpolation for Improved Numeric Calculation of Forward Eddy Current Tomography Transformation. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 481-487.	0.5	2
86	Influence of alloy composition on GMI effect in amorphous ribbons. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	2
87	Progress in development of Jiles-Atherton model of magnetic hysteresis. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
88	A FEM-Based Optimization Method for Driving Frequency of Contactless Magnetoelastic Torque Sensors in Steel Shafts. <i>Materials</i> , 2021, 14, 4996.	1.3	2
89	Preisach Based Model for Predicting of Functional Characteristic of Fluxgate Sensors and Inductive Components. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 591-596.	0.5	2
90	Error Analysis of the Finite Element Method Calculations Depending on the Operating Range. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 75-81.	0.5	2

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91	Advances in FEM Based Modeling of Waveguide and Waveguide Systems for Microwave Applications, Using Newly Developed Open Source Software. Advances in Intelligent Systems and Computing, 2017, , 172-186.	0.5	2
92	Possibilities of Application of the Magnetoelastic Effect for Stress Assessment in Construction Elements Made of Steel Considering Rayleigh Region. Advances in Intelligent Systems and Computing, 2017, , 689-697.	0.5	2
93	Assessment of uncertainty of determination of parameters of Jiles-Atherton model of hysteresis loops of isotropic materials. Przegląd Elektrotechniczny, 2016, 1, 164-167.	0.1	2
94	Models of Magnetic Hysteresis Loops Useful for Technical Simulations Using Finite Elements Method (FEM) and Method of the Moments (MoM). Advances in Intelligent Systems and Computing, 2017, , 82-87.	0.5	2
95	Improved gyrator-capacitor modeling of inductive components with a FINEMET-type nanocrystalline alloy core using SPICE. Journal of Magnetism and Magnetic Materials, 2022, 555, 169376.	1.0	2
96	The influence of the thermomagnetic heat treatment on magnetoelastic properties of Fe <sub>40</sub> Ni <sub>38</sub> Mo <sub>4</sub> B <sub>18</sub> alloy in amorphous state. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1117-E1118.	1.0	1
97	Possibilities of Application of Amorphous Fe <sub>77</sub> Cr <sub>2</sub> B <sub>16</sub> Si <sub>5</sub> Alloys in Different States of Thermal Relaxation as Magnetic Tensile Force Sensors. Solid State Phenomena, 2013, 198, 388-393.	0.3	1
98	Tensile Stress Sensor with Amorphous Ring Shape Core. Solid State Phenomena, 0, 220-221, 515-519.	0.3	1
99	Research of Metal Film Resistor's Temperature Stability According to Their Nominal Wattage. Advances in Intelligent Systems and Computing, 2016, , 807-815.	0.5	1
100	Investigation of high order harmonic for signal extraction in Matteucci effect based fluxgate magnetic sensors. AIP Conference Proceedings, 2019, , .	0.3	1
101	Modeling the Influence of a Magnetomechanical Effect on the Permeability Tensor of a Tensductor Core. Materials, 2019, 12, 4023.	1.3	1
102	Elementary, Atomic-Level Friction Processes in Systems with Metallic Inclusions—Systematic Simulations for a Wide Range of Local Pressures. Materials, 2021, 14, 4351.	1.3	1
103	The Influence of Mesh Granularity on the Accuracy of FEM Modelling of the Resonant State in a Microwave Chamber. Applied Sciences (Switzerland), 2021, 11, 7932.	1.3	1
104	Explicitness of Parameters Identification in An hysteretic Curve of Magnetic Materials with Strong Perpendicular Anisotropy. Advances in Intelligent Systems and Computing, 2020, , 664-671.	0.5	1
105	Temperature Dependence of Functional Properties of Graphene Hall-Effect Sensors Grown on Si Face and C Face of 4H-SiC Substrate. Advances in Intelligent Systems and Computing, 2015, , 111-120.	0.5	1
106	Temperature Influence on Matteucci Effect in Fe-Based Amorphous Wire. Advances in Intelligent Systems and Computing, 2018, , 642-647.	0.5	1
107	APPLICATION OF MAGNETOELASTIC EFFECTS FOR STRESS ASSESMENT AND RISK MITIGATION IN CONSTRUCTIONS. Journal of Engineering Studies and Research, 2016, 21, .	0.1	1
108	Analysis of Response Time of Carbon Dioxide Sensor in Chemical Sensor System for Mobile Robot. Advances in Intelligent Systems and Computing, 2015, , 277-284.	0.5	1

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109	Influence of Protective Layer on the Functional Properties of Monolayer and Bilayer Graphene Hall-Effect Sensors. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 101-109.	0.5	1
110	Magnetovision Scanner System Investigation of Magnetic Field Disturbance Sources. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 353-361.	0.5	1
111	Development of Graphene Based flow Sensor. <i>Journal of Automation, Mobile Robotics and Intelligent Systems</i> , 2015, 9, 55-57.	0.4	1
112	Visualization River Water Level Using Internet Technologies. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 14-22.	0.5	1
113	Spatial Modeling of the Influence of Mining-Geometric Indices on the Efficiency of Mining. <i>Archives of Mining Sciences</i> , 2017, 62, 857-869.	0.6	1
114	Microprocessor Based Assmann Psychrometer. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 628-634.	0.5	1
115	Key Factors Influencing the Accuracy of Harmonic Gears for Space Applications. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 483-489.	0.5	1
116	Stability of Jiles-Atherton An hysteretic Magnetization Curve Model for Magnetic Materials with Uniaxial Anisotropy. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 353-358.	0.5	1
117	Modelling the magnetoinductive effect for coil-less magnetomechanical strain and force sensors. Measurement: <i>Journal of the International Measurement Confederation</i> , 2022, 200, 111436.	2.5	1
118	Modeling of the influence of the torque on the magnetic properties of amorphous alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, e907-e909.	1.0	0
119	Differential Magnetoelastic Compressive Force Sensor Utilizing Two Amorphous Alloy Ring Cores. <i>Solid State Phenomena</i> , 0, 154, 23-27.	0.3	0
120	Measurements of Strain in Ceramic Components Using Magnetostrictive Delay Line. <i>Solid State Phenomena</i> , 0, 154, 29-33.	0.3	0
121	New Method of Measurements of Magnetic Characteristics in Two Perpendicular Axis of Amorphous Ribbon. <i>Solid State Phenomena</i> , 2013, 198, 378-381.	0.3	0
122	The Application of the Extended Jiles-Atherton Model for Simulating the Magnetic Characteristics of X30CR13 Steel. <i>Solid State Phenomena</i> , 2015, 220-221, 725-730.	0.3	0
123	Application of Magnetovision Scanning System for Detection of Dangerous Objects. <i>Solid State Phenomena</i> , 0, 220-221, 355-360.	0.3	0
124	E2LP Remote Laboratory: Introduction Course and Evaluation at Warsaw University of Technology. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 133-138.	0.5	0
125	Validation of the Model of An hysteretic Magnetisation Curve of Isotropic Soft Magnetic Materials. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 835-841.	0.5	0
126	Thin-Layer Based Devices. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 25-35.	0.3	0



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127	Magnetic Materials and Magnetization Process. Lecture Notes in Electrical Engineering, 2018, , 3-23.	0.3	0
128	Investigation of Newly Developed Microwave Heated Moisture Analyzer Measurements of Ketchup and Milk Samples in Climatic Chamber. Advances in Intelligent Systems and Computing, 2019, , 377-383.	0.5	0
129	Inverse Transformation in Eddy Current Tomography with Continuous Optimization of Reference Defect Parameters. Materials, 2021, 14, 4778.	1.3	0
130	LTspice Implementation of Gyator-Capacitor Magnetic Circuit Model Considering Losses and Magnetic Saturation for Transient Simulations of Switching Mode Power Supplies Utilizing Inductive Elements with Cores Made of Amorphous Alloys. Advances in Intelligent Systems and Computing, 2021, , 416-424.	0.5	0
131	Piezoceramic Transformer Based Ionization-Deionization System. Advances in Intelligent Systems and Computing, 2014, , 147-153.	0.5	0
132	Influence of Operating Conditions on Functional Properties of High Resolution Analog to Digital Converter. Advances in Intelligent Systems and Computing, 2014, , 697-711.	0.5	0
133	Influence of Electromagnetic Pulse Disturbance on the Functional Properties of Ultra-High Resolution Analog to Digital Converter. Advances in Intelligent Systems and Computing, 2015, , 245-254.	0.5	0
134	Graphene Joule Heating Measurements in Environmental Chamber. Advances in Intelligent Systems and Computing, 2015, , 129-135.	0.5	0
135	Investigation of the Functional and Environmental Characteristics of Elements with Graphene Coating. Advances in Intelligent Systems and Computing, 2015, , 237-244.	0.5	0
136	Influence of Environmental Conditions on Graphene Resistance. Advances in Intelligent Systems and Computing, 2015, , 75-81.	0.5	0
137	Limits of spatial sensitivity in eddy current tomography of spindle-shaped elements. Advances in Intelligent Systems and Computing, 2016, , 285-290.	0.5	0
138	Setup for Stereovision Simulation for Mutual Navigation of Satellites Formation. Advances in Intelligent Systems and Computing, 2016, , 789-795.	0.5	0
139	Development of Graphene Based Leak Detector. Advances in Intelligent Systems and Computing, 2017, , 495-503.	0.5	0
140	New Type of the Test Stand for Surfaces and Lubricant Tribological Properties Test. Advances in Intelligent Systems and Computing, 2017, , 584-592.	0.5	0
141	Analysis of the Phenomena Occurring During Initial Phase of Resistors Thermal Characteristics Measurement. Advances in Intelligent Systems and Computing, 2017, , 473-480.	0.5	0
142	Time-Domain Reflectometry (TDR) Square and Pulse Test Signals Comparison. Advances in Intelligent Systems and Computing, 2017, , 512-523.	0.5	0
143	Investigation of the Appropriate Method of Mounting Tested Elements in the Test Stand for Temperature Characteristics of Ultra-Precise Resistors. Advances in Intelligent Systems and Computing, 2017, , 448-458.	0.5	0
144	Measurement Setup for the Thermal and Line Regulation Characteristics of Reference Voltage Sources. Advances in Intelligent Systems and Computing, 2017, , 488-494.	0.5	0

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145	Vectorization of the Software for Modelling the Magnetostatic Properties of Thin Layers Using the Method of Moments. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 512-518.	0.5	0
146	Comparison of Jiles-Atherton and Bulk Ferromagnetic Hysteresis Models for Modelling the Magnetic Characteristics of Advanced Magnetic Materials. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 488-495.	0.5	0
147	FEM -Based Simulations of Selected Setups of Magnetic Field Tomography. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 395-401.	0.5	0
148	Investigation of Magnetic Properties of Amorphous Fe-Based Alloy Magnetized in Rayleigh Region. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 126-132.	0.5	0
149	Final Remarks and Conclusions. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 107-108.	0.3	0
150	Implementation of IT Solutions for the Quality Management System Based on ISO 13485 (2016) Standard in a Biomedical Company in Poland. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 244-253.	0.5	0
151	FEM-Based Forward Eddy Current Tomography Transformation for Automotive Industry. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 688-693.	0.5	0
152	Digitally Controlled Thermoelectric Ammeter. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 665-671.	0.5	0
153	The Model of Development of Production Process in Biomedical Production Plant. , 2019, 23, 43-46.	0.1	0
154	Improved Control of Mesh Density in Adaptive Tetrahedral Meshes for Finite Element Modeling. , 2022, 26, 23-28.	0.1	0
155	Sensitivity Limits and Functional Characteristics of Fluxgate Sensors with Rod-Shaped Magnetic Cores. , 2022, 26, 29-33.	0.1	0