Orest V Kochan

List of Publications by Year
in descending order

		1040056	839539
43 papers	360 citations	9 h-index	18 g-index
43 all docs	43 docs citations	43 times ranked	219 citing authors

#	Article	IF	Citations
1	Using Signal Phase in Computerized Systems of Non-destructive Testing. Measurement Science Review, 2022, 22, 32-43.	1.0	3
2	Forecasting short-term electric load using extreme learning machine with improved tree seed algorithm based on Lévy flight. Eksploatacja I Niezawodnosc, 2022, 24, 153-162.	2.0	10
3	Emergence of Nano-Dentistry as a Reality of Contemporary Dentistry. Applied Sciences (Switzerland), 2022, 12, 2008.	2.5	7
4	Development of a Temperature and Heat Flux Measurement System Based on Microcontroller and its Application in Ophthalmology. Measurement Science Review, 2022, 22, 73-79.	1.0	3
5	Research on Classification of Cement-based Electron Microscope Images Based on Improved Residual Network. , 2022, , .		1
6	Development of Modified Blum-Blum-Shub Pseudorandom Sequence Generator and its Use in Education. Measurement Science Review, 2022, 22, 143-151.	1.0	0
7	A Hybrid Feature Selection Framework Using Improved Sine Cosine Algorithm with Metaheuristic Techniques. Energies, 2022, 15, 3485.	3.1	9
8	Optimization of On-Street Parking in the Historical Heritage Part of Lviv (Ukraine) as a Prerequisite for Designing the IoT Smart Parking System. Buildings, 2022, 12, 865.	3.1	2
9	Examination of Abnormal Behavior Detection Based on Improved YOLOv3. Electronics (Switzerland), 2021, 10, 197.	3.1	28
10	Thermoelectric Medical Device for Measuring Heat Flux from Ocular Surface. , 2021, , .		3
11	Methodology for Measuring Phase Shifts of Signals Using Discrete Hilbert Transform. , 2021, , .		2
12	Modeling the Process of Testing the State of Thermocouple Legs During Operation. , 2021, , .		0
13	Modeling the Process of Determination of the Instantaneous Error of the Thermocouple During Operation. , 2021, , .		0
14	Online Measurement Error Detection for the ElectronicTransformer in a Smart Grid. Energies, 2021, 14, 3551.	3.1	10
15	Energy Structure and Luminescence of CeF3 Crystals. Materials, 2021, 14, 4243.	2.9	5
16	Radio Resource Management Methods for Ultra-Reliable Low-Latency Communications in 5G LTE Narrowband Industrial Internet of Things. , 2021, , .		4
17	A Combination Strategy of Feature Selection Based on an Integrated Optimization Algorithm and Weighted K-Nearest Neighbor to Improve the Performance of Network Intrusion Detection. Electronics (Switzerland), 2020, 9, 1206.	3.1	33
18	Methodology and Software Tool for Energy Consumption Evaluation and Optimization in Multilayer Transport Optical Networks. Energies, 2020, 13, 6370.	3.1	4

#	Article	IF	Citations
19	Development of Deep Packet Inspection System for Network Traffic Analysis and Intrusion Detection. , 2020, , .		3
20	A Software Deep Packet Inspection System for Network Traffic Analysis and Anomaly Detection. Sensors, 2020, 20, 1637.	3.8	39
21	Fast bearing fault diagnosis of rolling element using LÃ©vy Moth-Flame optimization algorithm and Naive Bayes. Eksploatacja I Niezawodnosc, 2020, 22, 730-740.	2.0	42
22	A Cost-Efficient Software Based Router and Traffic Generator for Simulation and Testing of IP Network. Electronics (Switzerland), 2020, 9, 40.	3.1	30
23	Multispectral Ecological Control of Parameters of Water Environments Using a Quadrocopter. Studies in Systems, Decision and Control, 2020, , 75-89.	1.0	4
24	Computer Modelling of Two-level Digital Frequency Synthesizer with Poisson Probability Distribution of Output Pulses. Measurement Science Review, 2020, 20, 65-72.	1.0	2
25	The Technique to Prepare a Training Set for a Neural Network to Model the Error of a Thermocouple Leg. , 2019, , .		1
26	Increasing Metrological Reliability of Measuring Channels for Distributed Automated Control Systems. , 2019, , .		1
27	Assessing Air Pollution from Nuclear Power Plants. , 2019, , .		5
28	Ad-hoc Temperature Measurements Using a Thermistor. , 2019, , .		2
29	ADC for Energy Measurement Systems of Microcontroller. , 2019, , .		1
30	METHODICAL ERROR OF TARGETS BEARING BY SOUND ARTILLERY INTELLIGENCE SYSTEM. Measuring Equipment and Metrology, 2019, 80, 10-14.	0.1	4
31	Information-measuring System to Study the Thermocouple with Controlled Temperature Field. Measurement Science Review, 2019, 19, 161-169.	1.0	23
32	Methods and Means of Measuring the Vortex Component of the Flow Velocity. , 2019, , .		0
33	Thermocouple with adjustable error. , 2017, , .		0
34	Designing ad hoc temperature fixed point cells. E3S Web of Conferences, 2017, 19, 03016.	0.5	0
35	Integral nonlinearity of third order single bit sigma-delta modulator. , 2016, , .		0
36	Thermocouples with Built-In Self-testing. International Journal of Thermophysics, 2016, 37, 1.	2.1	27

#	Article	IF	Citations
37	Data science applications to improve accuracy of thermocouples. , 2016, , .		11
38	Correcting the errors due to drift and due to acquired thermoelectric inhomogeneity in the thermocouple with controlled profile of temperature field. Measuring Equipment and Metrology, 2016, 77, 99-109.	0.1	0
39	Integral nonlinearity correction of ADC using multi-resistors voltage divider. , 2015, , .		1
40	Common mode noise rejection in measuring channels. Instruments and Experimental Techniques, 2015, 58, 86-89.	0.5	18
41	Method of microprocessors average energy consumption measurements. , 2013, , .		2
42	Approaches of voltage divider development for metrology verification of ADC. , 2013, , .		19
43	Integral Nonlinearity of ADC's Conversion Characteristic Identification. , 2006, , .		1