Orest V Kochan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3910825/publications.pdf

Version: 2024-02-01

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

#	Article	IF	Citations
1	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
2	A Software Deep Packet Inspection System for Network Traffic Analysis and Anomaly Detection. Sensors, 2020, 20, 1637.	3.8	39
3	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
4	A Cost-Efficient Software Based Router and Traffic Generator for Simulation and Testing of IP Network. Electronics (Switzerland), 2020, 9, 40.	3.1	30
5	Examination of Abnormal Behavior Detection Based on Improved YOLOv3. Electronics (Switzerland), 2021, 10, 197.	3.1	28
6	Thermocouples with Built-In Self-testing. International Journal of Thermophysics, 2016, 37, 1.	2.1	27
7	Information-measuring System to Study the Thermocouple with Controlled Temperature Field. Measurement Science Review, 2019, 19, 161-169.	1.0	23
8	Approaches of voltage divider development for metrology verification of ADC. , 2013, , .		19
9	Common mode noise rejection in measuring channels. Instruments and Experimental Techniques, 2015, 58, 86-89.	0.5	18
10	Data science applications to improve accuracy of thermocouples. , 2016, , .		11
11	Online Measurement Error Detection for the ElectronicTransformer in a Smart Grid. Energies, 2021, 14, 3551.	3.1	10
12	Forecasting short-term electric load using extreme learning machine with improved tree seed algorithm based on LÃ©vy flight. Eksploatacja I Niezawodnosc, 2022, 24, 153-162.	2.0	10
13	A Hybrid Feature Selection Framework Using Improved Sine Cosine Algorithm with Metaheuristic Techniques. Energies, 2022, 15, 3485.	3.1	9
14	Emergence of Nano-Dentistry as a Reality of Contemporary Dentistry. Applied Sciences (Switzerland), 2022, 12, 2008.	2.5	7
15	Assessing Air Pollution from Nuclear Power Plants. , 2019, , .		5
16	Energy Structure and Luminescence of CeF3 Crystals. Materials, 2021, 14, 4243.	2.9	5
17	Methodology and Software Tool for Energy Consumption Evaluation and Optimization in Multilayer Transport Optical Networks. Energies, 2020, 13, 6370.	3.1	4
18	METHODICAL ERROR OF TARGETS BEARING BY SOUND ARTILLERY INTELLIGENCE SYSTEM. Measuring Equipment and Metrology, 2019, 80, 10-14.	0.1	4

#	Article	IF	Citations
19	Multispectral Ecological Control of Parameters of Water Environments Using a Quadrocopter. Studies in Systems, Decision and Control, 2020, , 75-89.	1.0	4
20	Radio Resource Management Methods for Ultra-Reliable Low-Latency Communications in 5G LTE Narrowband Industrial Internet of Things. , 2021, , .		4
21	Development of Deep Packet Inspection System for Network Traffic Analysis and Intrusion Detection. , 2020, , .		3
22	Thermoelectric Medical Device for Measuring Heat Flux from Ocular Surface. , 2021, , .		3
23	Using Signal Phase in Computerized Systems of Non-destructive Testing. Measurement Science Review, 2022, 22, 32-43.	1.0	3
24	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
25	Method of microprocessors average energy consumption measurements. , 2013, , .		2
26	Ad-hoc Temperature Measurements Using a Thermistor. , 2019, , .		2
27	Methodology for Measuring Phase Shifts of Signals Using Discrete Hilbert Transform. , 2021, , .		2
28	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
29	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
30	Integral Nonlinearity of ADC's Conversion Characteristic Identification. , 2006, , .		1
31	Integral nonlinearity correction of ADC using multi-resistors voltage divider. , 2015, , .		1
32	The Technique to Prepare a Training Set for a Neural Network to Model the Error of a Thermocouple Leg. , 2019, , .		1
33	Increasing Metrological Reliability of Measuring Channels for Distributed Automated Control Systems. , 2019, , .		1
34	ADC for Energy Measurement Systems of Microcontroller. , 2019, , .		1
35	Research on Classification of Cement-based Electron Microscope Images Based on Improved Residual Network. , 2022, , .		1
36	Integral nonlinearity of third order single bit sigma-delta modulator. , 2016, , .		0

#	Article	IF	Citations
37	Thermocouple with adjustable error. , 2017, , .		0
38	Designing ad hoc temperature fixed point cells. E3S Web of Conferences, 2017, 19, 03016.	0.5	0
39	Modeling the Process of Testing the State of Thermocouple Legs During Operation. , 2021, , .		0
40	Modeling the Process of Determination of the Instantaneous Error of the Thermocouple During Operation. , 2021, , .		0
41	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
42	Methods and Means of Measuring the Vortex Component of the Flow Velocity. , 2019, , .		0
43	Development of Modified Blum-Blum-Shub Pseudorandom Sequence Generator and its Use in Education. Measurement Science Review, 2022, 22, 143-151.	1.0	0