Artur O Zaporozhets

List of Publications by Year
in descending order

79 papers	702 citations	567281 15 h-index	713466 21 g-index
85 all docs	85 docs citations	85 times ranked	129 citing authors

#	Article	IF	Citations
1	RESEARCH OF DIAGNOSTIC PARAMETERS OF COMPOSITE MATERIALS USING JOHNSON DISTRIBUTION. International Journal of Computing, 0, , 483-494.	1.5	32
2	Analysis of Control System of Fuel Combustion in Boilers with Oxygen Sensor. Periodica Polytechnica, Mechanical Engineering, 2019, 63, 241-248.	1.4	31
3	Methods and Models for Information Data Analysis. Studies in Systems, Decision and Control, 2020, , 23-70.	1.0	31
4	Technical Provision of Diagnostic Systems. Studies in Systems, Decision and Control, 2020, , 91-133.	1.0	31
5	Analysis of the Air Pollution Monitoring System in Ukraine. Studies in Systems, Decision and Control, 2020, , 85-110.	1.0	30
6	Methods and Hardware for Diagnosing Thermal Power Equipment Based on Smart Grid Technology. Advances in Intelligent Systems and Computing, 2019, , 476-489.	0.6	29
7	Correlation Analysis Between the Components of Energy Balance and Pollutant Emissions. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	26
8	Mathematical Models of Inverse Problems for Finding the Main Characteristics of Air Pollution Sources. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	25
9	Overview of Quadrocopters for Energy and Ecological Monitoring. Studies in Systems, Decision and Control, 2020, , 15-36.	1.0	25
10	Development of an Intelligent System for Diagnosing the Technical Condition of the Heat Power Equipment. , 2018, , .		24
11	System for Monitoring the Technical State of Heating Networks Based on UAVs. Advances in Intelligent Systems and Computing, 2020, , 935-950.	0.6	23
12	Method of indirect measurement of oxygen concentration in the air. Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu, 2018, , 105-114.	0.7	20
13	Using Hilbert Transform in Diagnostic of Composite Materials by Impedance Method. Periodica Polytechnica Electrical Engineering and Computer Science, 2020, 64, 334-342.	1.0	19
14	Mathematical Approaches for Determining the Level of Impact of Ash-Slag Dumps of Energy Facilities on the Environment. Studies in Systems, Decision and Control, 2020, , 1-13.	1.0	18
15	Improving the efficiency of fuel combustion with regard to the uncertainty of measuring oxygen concentration. Eastern-European Journal of Enterprise Technologies, 2016, 6, 54-59.	0.5	17
16	Simulation and Software for Diagnostic Systems. Studies in Systems, Decision and Control, 2020, , 71-90.	1.0	16
17	Models and Measures for the Diagnosis of Electric Power Equipment. Studies in Systems, Decision and Control, 2021, , 99-126.	1.0	15
18	Methods and Means for the Control of the Fuel Combustion Process. Studies in Systems, Decision and Control, 2020, , 1-33.	1.0	13

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19	Approach for Creating Reference Signals for Detecting Defects in Diagnosing of Composite Materials. Advances in Intelligent Systems and Computing, 2020, , 154-172.	0.6	12
20	Research of the Process of Fuel Combustion in Boilers. Studies in Systems, Decision and Control, 2020, , 35-60.	1.0	12
21	Problems and Features of Measurements. Studies in Systems, Decision and Control, 2021, , 1-31.	1.0	11
22	Diagnostic Systems For Energy Equipments. Studies in Systems, Decision and Control, 2020, , .	1.0	10
23	Acoustic Diagnostics for Determining the Appearance of Corona Discharge. Studies in Systems, Decision and Control, 2021, , 127-157.	1.0	10
24	Experimental Studies of the Method for Determining Location of Damage of Overhead Power Lines in the Operation Mode. Studies in Systems, Decision and Control, 2021, , 55-77.	1.0	10
25	Experimental Research of a Computer System for the Control of the Fuel Combustion Process. Studies in Systems, Decision and Control, 2020, , 89-123.	1.0	10
26	Models of Measuring Signals and Fields. Studies in Systems, Decision and Control, 2021, , 33-59.	1.0	9
27	Monitoring the Air Pollution with UAVs. Studies in Systems, Decision and Control, 2021, , 191-225.	1.0	9
28	Automation of Determining the Location of Damage of Overhead Power Lines. Studies in Systems, Decision and Control, 2021, , 35-53.	1.0	9
29	Development of a System for Diagnosing Heat Power Equipment Based on IEEE 802.11s. Studies in Systems, Decision and Control, 2021, , 141-151.	1.0	7
30	Models and Measures for Atmospheric Pollution Monitoring. Studies in Systems, Decision and Control, 2021, , 227-266.	1.0	7
31	Application of Material Measure in Measurements: Theoretical Aspects. Studies in Systems, Decision and Control, 2021, , 261-269.	1.0	7
32	Metrological assessment of the indirect method of measuring the concentration of oxygen in the air. , 2019, , .		6
33	Physical Modeling of the Electrophysical Processes of the Formation of the Corona During the Operation of Electric Power Facilities. Studies in Systems, Decision and Control, 2021, , 119-126.	1.0	6
34	Hardware and Software Implementation of Modules of the System of the Fuel Combustion Control Process. Studies in Systems, Decision and Control, 2020, , 61-87.	1.0	6
35	ЦаÐ¥ÐÐžÐ›ÐžÐ“Ð†Ð¯ SMART GRID Ð' Ð¡Ð¡Ð¢Ð•ÐœÐ¥ ÐœÐžÐÐ†Ð¢ÐžÐ ÐÐ"Ð£ ÐžÐ'â€™Ð„ÐšÐ¢Ð†Ð' ÐºÐ›ÐŸÐ›Ð•ÐšÐ		
36	Control of Fuel Combustion in Boilers. Studies in Systems, Decision and Control, 2020, , .	1.0	5

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37	Mathematical Modeling of the Electromagnetic Processes of the Corona's Formation During the Operation of Electric Power Facilities. Studies in Systems, Decision and Control, 2021, , 99-118.	1.0	5
38	Monitoring of Energy Objects Parameters with Using UAVs. Studies in Systems, Decision and Control, 2021, , 1-8.	1.0	5
39	Improving Methods for One-Sided Determination of the Location of Damage of Overhead Power Lines in Networks with Effectively Grounded Neutral Based on UAVs. Studies in Systems, Decision and Control, 2021, , 9-34.	1.0	5
40	REVIEW OF METHODS AND MEANS OF MONITORING THE AIR POLLUTION. VÃ¬snik NacÃ¬onalÊ¹nogo AvÃ¬acÃ¬jnogo UnÃ¬versitetu, 2019, 80, .	0.1	5
41	ÐÐ¾Ð·Ð¿Ñ–Ð·Ð½Ð°Ð²Ð°Ð½Ð½Ñ•Ð½•Ð°Ð²Ð²Ð½Ð¾ÑÑ,Ñ– Ð°Ð¾ÑÐ¾Ð½Ð¾Ð¾ÑÑ,Ñ– Ð°Ð¾ÑÐ¾Ð½Ð¾Ð³Ð¾ ÑÐ¾Ð·Ñ€Ð´Ñƒ Ð°ÐºÑƒÑÐ¸Ñ‡Ð½...		
42	UAVs Application in Power Engineering. , 2021, , .		5
43	METHOD OF REFERENCE SIGNALS CREATING IN NON-DESTRUCTIVE TESTING BASED ON LOW-SPEED IMPACT. Technical Electrodynamics, 2021, 2021, 70-82.	0.7	4
44	Short Term Renewable Energy Forecasting with Deep Learning Neural Networks. Studies in Systems, Decision and Control, 2022, , 121-142.	1.0	4
45	Peculiarities Of Application Of Smart Grid Technology In Systems For Monitoring And Diagnostics Of Heat-andpower Engineering Objects. Tekhnicheskaya Diagnostika I Nerazrushayushchij Kontrol, 2017, 2017, 33-41.	0.1	4
46	Physical Modeling of Discharges in Long Air Gaps with the Presence of the Corona at the Tops of Grounded Objects. Studies in Systems, Decision and Control, 2021, , 85-98.	1.0	3
47	Mathematical Models of Electric Fields of Electric Transmission Lines. Studies in Systems, Decision and Control, 2021, , 79-84.	1.0	3
48	Researches of the Stressed-Deformed State of the Power Structures of the Plane. Studies in Systems, Decision and Control, 2020, , 37-49.	1.0	3
49	Analysis of means for monitoring air pollution in the environment. Science-based Technologies, 2017, 35, .	0.1	3
50	Development of Software for Fuel Combustion Control System Based on Frequency Regulator. SSRN Electronic Journal, 0, , .	0.4	3
51	Improving Method for Measuring Engine Thrust with Tensometry Data. Studies in Systems, Decision and Control, 2020, , 51-67.	1.0	2
52	Examples of Using Models and Measures on the Circle. Studies in Systems, Decision and Control, 2021, , 127-156.	1.0	2
53	Method of Statistical Spline Functions for Solving Problems of Data Approximation and Prediction of Objects State. SSRN Electronic Journal, 0, , .	0.4	2
54	INVESTIGATION OF STOICHIOMETRIC Â«AIR-FUELÂ» RATIO OF ORGANIC COMPOUNDS. PART 2. ALKENES, ALKYNES. Science-based Technologies, 2014, 24, .	0.1	2

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55	INVESTIGATION OF STOICHIOMETRIC Â«AIR-FUELÂ» RATIO OF ORGANIC COMPOUNDS. PART 1. ALKANES. Science-based Technologies, 2014, 22, .	0.1	2
56	ÐÐ½Ð°Ð»Ñ–Ð· Ð¼ÐµÑ‚Ð¾Ð´Ñ–Ð² Ð´Ñ–Ð°Ð³Ð½Ð¾ÑÑ‚ÑƒÐ²Ð°Ð½Ð½Ñ•Ñ‚ÐµÐ¿Ð»Ð¾ÐµÐ½ÐµÑ€Ð³ÐµÑ‚Ð¸Ñ‡Ð½Ð¸2. Ð¾Ð±Ñ		
57	ÐŸÐ†Ð"Ð'Ð©Ð•ÐÐÐ Ð¢Ð¾Ð§ÐÐ¾ÑÐ¢† Ð'Ð"ÐœÐ†ÐÐ®Ð'ÐÐÐ ÐšÐžÐ•ÐÐ†Ð¦†Ð"Ñ„ÐÐ¢Ð†Ð"Ð"Ð Ð"ÐšÐ¸Ð6.ÐŸÐžÐ'Ð†Ð¦ÐÐ¢		
58	Environmental Control for Ensuring Cities Safety. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , .	0.5	1
59	Predicting anomaly conditions of energy equipment using neural networks. E3S Web of Conferences, 2021, 280, 09005.	0.5	1
60	Models and Measures for Measuring Random Angular Quantities. Studies in Systems, Decision and Control, 2021, , 61-97.	1.0	1
61	Development of Teaching Methodology in the Field of Environmental Monitoring of Atmosphere. Studies in Systems, Decision and Control, 2021, , 307-317.	1.0	1
62	Operating Modes Optimization of Bulk Electrical Power Networks: Structural and Parametrical Methods. Studies in Systems, Decision and Control, 2022, , 99-119.	1.0	1
63	Analysis of the research methods of compounds in the exhaled air. ScienceRise, 2015, 12, 15.	0.1	1
64	Means of quality control of biofuels, their production and combustion. , 2019, , 126-140.		1
65	Ecological and Energy Analysis of the Green Areas and the Surface Layer of Atmospheric Air in the Districts of the Kyiv City. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , 73-91.	0.5	0
66	Improving the Environmental Security of Urban Areas on the Basis of GIS and Web Technology. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , 93-109.	0.5	0
67	Research of Scientific Bases and Methodologies for Evaluating the State of Ecological Safety in Urban Areas. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , 1-20.	0.5	0
68	HARDWARE AND SOFTWARE OF AUTOMATIC CONTROL SYSTEM OF FUEL COMBUSTION PROCESS IN LOW AND MEDIUM POWER BOILERS. PART 1. METHOD AND HARDWARE. Bulletin of Kyiv Polytechnic Institute Series Instrument Making, 2021, , 37-45.	0.1	0
69	Models and Measures for Standardless Measurements of the Composite Materials Characteristics. Studies in Systems, Decision and Control, 2021, , 157-190.	1.0	0
70	Improvement the Methods for Assessing the Hazard of the Surface Layer of Atmospheric Air and the Ecological Risk of the State of Urban Areas. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , 21-42.	0.5	0
71	IMPROVEMENT OF TRANSCLERAL TECHNOLOGIES OF ILLUMINATION FOR ANALYSIS EYEGROUND IMAGE. Science-based Technologies, 2010, 7, .	0.1	0
72	ENERGETIC SECURITY PARAMETERS OF BIOLOGICAL TRANSILYUMINATSIYI OF NANOSYSTEMS EYE. Science-based Technologies, 2011, 11, .	0.1	0

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73	DEVELOPMENT OF THE PROGRAM DIOLAS COMPLEX FOR DIAGNOSTICS IN OFTALMOSKOPY. Science-based Technologies, 2012, 14, .	0.1	0
74	MODELLING OF OPTICAL PROPERTIES OF NATURAL BIOLOGICAL NANOSYSTEMS OF THE EYE. Science-based Technologies, 2012, 14, .	0.1	0
75	Approximation analysis of measurement of heat flow bomb calorimeter in non-stationary mode. ScienceRise, 2017, 8, 24-32.	0.1	0
76	Creation of High-Speed Methods for Solving Mathematical Models of Inverse Problems of Heat Power Engineering. Studies in Systems, Decision and Control, 2022, , 41-74.	1.0	0
77	Mathematical Approaches to Forecasting and Researching the Technical State of Cylindrical Shells of Energy Objectsâ€™ Elements Based on Vibration Monitoring Systems. Studies in Systems, Decision and Control, 2022, , 107-119.	1.0	0
78	MODELS AND MEASURESIN THEORY AND PRACTICE OF MEASUREMENTS. Thermophysics and Thermal Power Engineering, 2021, 42, 5-18.	0.1	0
79	HARDWARE AND SOFTWARE OF AUTOMATIC CONTROL SYSTEM OF FUEL COMBUSTION PROCESS IN LOW AND MEDIUM POWER BOILERS. PART 2. ALGORITHMIC SOFTWARE. Bulletin of Kyiv Polytechnic Institute Series Instrument Making, 2021, , 65-75.	0.1	0