Igor Korobiichuk

List of Publications by Year
in descending order

77 papers	582 citations	759233 12 h-index	794594 19 g-index
90 all docs	90 docs citations	90 times ranked	185 citing authors

#	Article	IF	Citations
1	Mathematical model of precision sensor for an automatic weapons stabilizer system. Measurement: Journal of the International Measurement Confederation, 2016, 89, 151-158.	5.0	39
2	A Mathematical Model of the Thermo-Anemometric Flowmeter. Sensors, 2015, 15, 22899-22913.	3.8	36
3	How to Increase Efficiency of Automatic Control of Complex Plants by Development and Implementation of Coordination Control System. Advances in Intelligent Systems and Computing, 2017, , 189-195.	0.6	28
4	The Additional Error of Inertial Sensors Induced by Hypersonic Flight Conditions. Sensors, 2016, 16, 299.	3.8	27
5	Methods of Determining Information Support of Web Community User Personal Data Verification System. Advances in Intelligent Systems and Computing, 2017, , 144-150.	0.6	23
6	Modern Development Technologies and Investigation of Food Production Technological Complex Automated Systems. , 2018, , .		22
7	Synthesis of Optimal Robust Regulator for Food Processing Facilities. Advances in Intelligent Systems and Computing, 2017, , 58-66.	0.6	20
8	The study of corrosion resistance of Pokostivskiy granodiorites after processing by various chemical and mechanical methods. Construction and Building Materials, 2016, 114, 241-247.	7.2	19
9	Crop Monitoring for Nitrogen Nutrition Level by Digital Camera. Advances in Intelligent Systems and Computing, 2018, , 595-603.	0.6	18
10	Research on Automatic Controllers for Plants with Significant Delay. Advances in Intelligent Systems and Computing, 2017, , 449-457.	0.6	15
11	Piezoelectric Gravimeter of the Aviation Gravimetric System. Advances in Intelligent Systems and Computing, 2016, , 753-761.	0.6	14
12	Parallel method of production rules extraction based on computational intelligence. Automatic Control and Computer Sciences, 2017, 51, 215-223.	0.8	13
13	Design of Piezoelectric Gravimeter for Automated Aviation Gravimetric System. Journal of Automation, Mobile Robotics and Intelligent Systems, 2016, 10, 43-47.	0.4	12
14	Modelling of Influence of Hypersonic Conditions on Gyroscopic Inertial Navigation Sensor Suspension. Metrology and Measurement Systems, 2017, 24, 357-368.	1.4	10
15	The Use of Remote Ground Sensing Data for Assessment of Environmental and Crop Condition of the Reclaimed Land. Advances in Intelligent Systems and Computing, 2017, , 418-424.	0.6	10
16	Optimization of Heat Exchange Plate Geometry by Modeling Physical Processes Using CAD. Energies, 2022, 15, 1430.	3.1	10
17	Thermoanemometric Flowmeter of Biofuels for Motor Transport. Advances in Intelligent Systems and Computing, 2017, , 443-448.	0.6	9
18	Methods and Ways of Piezoelectric Accelerometers Fastening on the Objects of Research. Acta Physica Polonica A, 2018, 133, 1112-1115.	0.5	9

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19	The Problem of the Optimal Strategy of Minimax Control by Objects with Distributed Parameters. Advances in Intelligent Systems and Computing, 2020, , 77-85.	0.6	8
20	Development of the Operation Algorithm for a Automated System Assessing the High-Rise Building. Solid State Phenomena, 2016, 251, 230-236.	0.3	7
21	The System Optimization of Technical, Technological and Construction Parameters of Polder Systems. Advances in Intelligent Systems and Computing, 2020, , 78-86.	0.6	7
22	Analysis of Errors of Piezoelectric Sensors used in Weapon Stabilizers. Metrology and Measurement Systems, 2017, 24, 91-100.	1.4	7
23	Algorithmic compensation of video image dynamic errors with measurement data about geometric and object motion parameters. Measurement: Journal of the International Measurement Confederation, 2017, 105, 66-71.	5.0	6
24	Experimental Investigations of a Precision Sensor for an Automatic Weapons Stabilizer System. Sensors, 2017, 17, 23.	3.8	6
25	Remote control of nonlinear motion for mechatronic machine by means of CoDeSys compatible industrial controller. Tehnicki Vjesnik, 2017, 24, .	0.2	6
26	Cyberattack Classificator Verification. Advances in Intelligent Systems and Computing, 2018, , 402-411.	0.6	6
27	Modeling and validation of magnetic field distribution of permanent magnets. Eastern-European Journal of Enterprise Technologies, 2015, 6, 4.	0.5	6
28	Information Support the Operative Control Procedures of Energy Efficiency of Operation Modes of Municipal Water Supply System Facilities. Advances in Intelligent Systems and Computing, 2020, , 571-582.	0.6	6
29	Design of the Novel Double-ring Dynamical Gravimeter. Journal of Automation, Mobile Robotics and Intelligent Systems, 2015, 9, 47-51.	0.4	5
30	Research of the Thermal Parameters and the Accuracy of Flow Measurement of the Biological Fuel. Journal of Mechanics Engineering and Automation, 2015, 5, .	0.0	5
31	Calorimetrie flow meter of motor fuel With Inlet temperature regulation. , 2017, , .		4
32	Algorithms on improvement of accuracy of biofuel temperature measurement in thermo-anemometric flowmeter. , 2017, , .		4
33	Geometrical parameter measurement and phytoplankton process modeling based on video images of water samples from reservoirs. Measurement: Journal of the International Measurement Confederation, 2018, 114, 226-232.	5.0	4
34	Modeling of voltaic pile surface formation using current-carrying cassini ovals. Engineering Science and Technology, an International Journal, 2019, 22, 353-358.	3.2	4
35	Neural Network Control Systems for Objects of Periodic Action with Non-linear Time Programs. Advances in Intelligent Systems and Computing, 2020, , 155-164.	0.6	4
36	Numerical modeling of the possibility of scale power growth of the internal combustion engine in real time. , 2021, , .		4

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37	Approach to Determination of Parameters of Probability Density Function of Object Attributes Recognition in Space Photographs Is Considered Within Statistical Method. Advances in Intelligent Systems and Computing, 2017, , 425-432.	0.6	4
38	Design of the Novel Double-ring Dynamical Gravimeter. Journal of Automation, Mobile Robotics and Intelligent Systems, 2015, 9, 47-51.	0.4	4
39	Features of Control for Multi-assortment Technological Process. Advances in Intelligent Systems and Computing, 2020, , 214-221.	0.6	4
40	The Method of Multi-criteria Parametric Optimization. Advances in Intelligent Systems and Computing, 2020, , 87-97.	0.6	4
41	Three-coordinate gravimeter with exhibition of axis sensitivity based on digital videoimages. , 2019, , .		3
42	Modeling of Systems of Automated Auxiliary Processes in Pharmaceutical Industry. Advances in Intelligent Systems and Computing, 2021, , 128-135.	0.6	3
43	Resonance Situation in the Gyro Suspension When Changing the Acoustic Beam Angle. Advances in Intelligent Systems and Computing, 2021, , 395-401.	0.6	3
44	Features of Control Processes in Organizational-Technical (Technological) Systems of Continuous Type. Journal of Automation, Mobile Robotics and Intelligent Systems, 0, , 11-17.	0.4	3
45	Metallic glass core utilization as the magnetoelastic torque sensor. Eastern-European Journal of Enterprise Technologies, 2015, 5, 4.	0.5	3
46	Investigation of temperature effect on magnetic characteristics of manganese-zinc ferrites. Eastern-European Journal of Enterprise Technologies, 2015, 6, 17.	0.5	3
47	Torque and Capacity Measurement in Rotating Transmission. Advances in Intelligent Systems and Computing, 2017, , 464-472.	0.6	3
48	Identification of Cyclic Changes in the Operation Mode of the Production Facility Based on the Monitoring Data. Advances in Intelligent Systems and Computing, 2020, , 189-197.	0.6	3
49	Investigation of Optimization of Combustion Processes in the Engine of Combat Vehicles by Use of Disk Structure. Energies, 2021, 14, 7039.	3.1	3
50	Investigation of the Effect of Gravity Anomalies on the Precession Motion of Single Gyroscope Gravimeter. Solid State Phenomena, 2016, 251, 139-145.	0.3	2
51	The Selection Methods for Multisensor System Elements of Drone Detection. Advances in Intelligent Systems and Computing, 2017, , 20-26.	0.6	2
52	Maintenance of masking and limited performance of fire-fighting equipment from means of aircraft location. Measurement: Journal of the International Measurement Confederation, 2019, 136, 558-563.	5.0	2
53	Technological Monitoring in the Management of the Distillation-Rectification Plant. Advances in Intelligent Systems and Computing, 2020, , 165-174.	0.6	2
54	USING CLUSTER ANALYSIS FOR PLANNING MINING OPERATIONS ON THE GRANITE QUARRIES. , 2016, , .		2

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55	PECULIARITES OF NATURAL STONE EXTRACTION TECHNOLOGY WITH THE HELP OF DIAMOND WIRE MACHINES. , 2016, , .		2
56	Identification of Technological Objects on the Basis of Intellectual Data Analysis. Advances in Intelligent Systems and Computing, 2020, , 487-495.	0.6	2
57	The estimation algorithm of operative capabilities of complex countermeasures to resist UAVs. Simulation, 2019, 95, 569-573.	1.8	1
58	Effect of Acoustic Shock on Submarine. Applied Sciences (Switzerland), 2020, 10, 4993.	2.5	1
59	Measurement of Qualitative Characteristics of Different Types of Wood Waste in the Forestries Zhytomyr Polissya. Advances in Intelligent Systems and Computing, 2021, , 297-308.	0.6	1
60	The Influence of Geological and Anthropogenic Factors on the Change of the Water Quality Parameters in the Kamyanka River Within the City of Zhytomyr. Advances in Intelligent Systems and Computing, 2020, , 476-486.	0.6	1
61	HEAT ACCUMULATING BLOCKS BASED ON THE PYROPHYLLITE AND THERMALLY EXPANDED GRAPHITE. , 2016, , .		1
62	Spatial Modeling of the Influence of Mining-Geometric Indices on the Efficiency of Mining. Archives of Mining Sciences, 2017, 62, 857-869.	0.6	1
63	The Satellites Orientation Method using a Torque Magnetic Drive. Acta Physica Polonica A, 2018, 133, 722-724.	0.5	1
64	Development of the Structure of an Automated Control System Using Tensor Techniques for a Diffusion Station. Advances in Intelligent Systems and Computing, 2020, , 175-185.	0.6	1
65	Autocompensation Methods of Reducing the Influence of Penetrating Sound Radiation. Advances in Intelligent Systems and Computing, 2020, , 340-349.	0.6	1
66	The Method of Semantic Structuring of Virtual Community Content. Advances in Intelligent Systems and Computing, 2020, , 11-18.	0.6	1
67	Using Linear Matrix Inequalities for Synthesis of Modal Control of Multidimensional Linear Systems. Advances in Intelligent Systems and Computing, 2020, , 19-28.	0.6	1
68	Control of the Operation Mode of the Production Facility Based on the Relevant Characteristics of the Technological Process. Advances in Intelligent Systems and Computing, 2020, , 57-66.	0.6	1
69	Dose Measurement of Flocculants in Water Treatment of Stone Processing Plants. Advances in Intelligent Systems and Computing, 2021, , 387-394.	0.6	0
70	Correlation mathematical model of video images with measuring information about geometrical parameters. , 2021, , .		0
71	Research of influence of temperature and mechanical stresses on magnetoelastic characteristics of structural steel cores. Eastern-European Journal of Enterprise Technologies, 2015, 3, 43.	0.5	0
72	The Effect of High-Rise Building Features on Their State under the Horizontal Seismic Loads. , 2016, 20, 49-53.	0.1	0

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73	Evaluation Methods for the Ergatic System Reliability Operator. Advances in Intelligent Systems and Computing, 2020, , 560-570.	0.6	0
74	Synthesis of an Intelligent UAV Control System Based on Fuzzy Logic in External Disturbance Conditions. Journal of Automation, Mobile Robotics and Intelligent Systems, 0, , 3-9.	0.4	0
75	Development of Logical Control System for the Purification Department at Molasses Production. Advances in Intelligent Systems and Computing, 2020, , 206-213.	0.6	0
76	Numerical Modeling of Dynamic Disturbances Acting on the Sensitive Elements of an Instrument Navigation System. Advances in Intelligent Systems and Computing, 2020, , 279-288.	0.6	0
77	Theoretical Estimates of the Accuracy of Determination of Geometric Parameters of Objects on Digital Images. Advances in Intelligent Systems and Computing, 2020, , 289-299.	0.6	0