Vadim Tynchenko

List of Publications by Year
in descending order

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46	199	1163117 8	1125743 13
papers	citations	h-index	g-index

48	48	48	28
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complex of automated equipment and technologies for waveguides soldering using induction heating. IOP Conference Series: Materials Science and Engineering, 2017, 173, 012023.	0.6	29
2	The automated system for technological process of spacecraft's waveguide paths soldering. IOP Conference Series: Materials Science and Engineering, 2016, 155, 012007.	0.6	20
3	Software to Predict the Process Parameters of Electron Beam Welding. IEEE Access, 2021, 9, 92483-92499.	4.2	17
4	Mathematical Modeling of Induction Heating of Waveguide Path Assemblies during Induction Soldering. Metals, 2021, 11, 697.	2.3	14
5	The parallel genetic algorithm for construction of technological objects neural network models. , 2016, , .		13
6	Analysis of the Structure of Germanyâ€™s Energy Sector with Self-organizing Kohonen Maps. Lecture Notes in Business Information Processing, 2022, , 5-13.	1.0	12
7	Modeling of thermal processes in waveguide tracts induction soldering. IOP Conference Series: Materials Science and Engineering, 2017, 173, 012026.	0.6	11
8	Intelligently Informed Control Over the Process Variables of Oil and Gas Equipment Maintenance. International Review of Automatic Control, 2019, 12, 59.	0.3	9
9	Optimizing the control process parameters for the induction soldering of aluminium alloy waveguide paths1. IOP Conference Series: Materials Science and Engineering, 2017, 255, 012017.	0.6	8
10	A control algorithm for waveguide path induction soldering with product positioning1. IOP Conference Series: Materials Science and Engineering, 2017, 255, 012018.	0.6	8
11	Intellectual Control of Induction Soldering Process using Neuro-fuzzy Controller. , 2019, , .		5
12	investigation of methods for modeling petroleum refining facilities to improve the reliability of predictive decision models. Journal of Applied Engineering Science, 2018, 16, 246-253.	0.9	5
13	Modeling of Product Heating at the Stage of Beam Input in the Process of Electron Beam Welding Using the COMSOL Multiphysics System. Advances in Intelligent Systems and Computing, 2020, , 905-912.	0.6	5
14	The Technology of Using Liquid Glass Mixture Waste for Reducing the Harmful Environmental Impact. Materials, 2022, 15, 1220.	2.9	5
15	X-ray Diffraction Phase Analysis of Changes in the Lattice of Pervouralsk Quartzite upon Heating. Minerals (Basel, Switzerland), 2022, 12, 233.	2.0	5
16	Multi-Objective Optimization of Complex Objects in Neural Network Models. Indian Journal of Science and Technology, 2016, 9, .	0.7	4
17	Workpiece Surface Technological Quality Assurance with Levitation Tool Modules. Indian Journal of Science and Technology, 2016, 9, .	0.7	4
18	The problem of SEO promotion for the organizationâ€™s web representation. SHS Web of Conferences, 2019, 69, 00122.	0.2	4

#	Article	IF	Citations
19	Using UML to Describe the Development of Software Products Using an Object Approach. , 2022, , .		4
20	Investigation of the Solid-Phase Joint of VT-14 Titanium Alloy with 12KH18N10T Stainless Steel Obtained by Diffusion Welding through Intermediate Layers. Metals, 2021, 11, 1325.	2.3	3
21	Classification of non-normative errors in measuring instruments based on data mining. , 2018, , .		2
22	Control of the induction soldering on the basis of process temperature indirect measurements. MATEC Web of Conferences, 2018, 224, 01054.	0.2	1
23	Cast Iron and Steel Smelting in Induction Crucible Furnaces of Industrial Frequency. Solid State Phenomena, 0, 299, 530-534.	0.3	1
24	Processing of Radar and Optical Images for Monitoring Natural and Anthropogenic Emergencies. Lecture Notes in Networks and Systems, 2021, , 607-620.	0.7	1
25	Air and space vehicle production: indicators of innovative activity. Economic Annals-XXI, 2021, 187, 114-120.	0.3	1
26	The Use of Collections of Artificial Neural Networks to Improve the Control Quality of the Induction Soldering Process. Sensors, 2021, 21, 4199.	3.8	1
27	Algorithms for selecting the operating mode of the technological process of waveguide paths induction brazing. Journal of Applied Engineering Science, 2021, 19, 424-431.	0.9	1
28	Software for Structure Selection of an Artificial Neural Network to Control the Induction Soldering Process. Advances in Intelligent Systems and Computing, 2020, , 480-490.	0.6	1
29	Features of Using Programs for Casting Processes Modeling. Lecture Notes in Networks and Systems, 2021, , 23-30.	0.7	1
30	Software development based on artificial neural networks for fitness club. , 2022, , .		1
31	Software System for Modeling Temperature Distribution During the Electron Beam Welding. , 2022, , .		1
32	System of video observation for electron beam welding process. IOP Conference Series: Materials Science and Engineering, 2016, 122, 012022.	0.6	0
33	Comprehensive scientific and technical programs as a vector of education development in the digital economy. SHS Web of Conferences, 2019, 69, 00123.	0.2	0
34	Automation of Electron Beam Input During the Welding of Thin-Walled Structures. Lecture Notes in Networks and Systems, 2021, , 88-99.	0.7	0
35	Ensemble of artificial neural networks to control the induction soldering of spacecraft's waveguide paths. , 2021, , .		0
36	Design of Computational Models for Hydroturbine Units Based on a Nonparametric Regression Approach with Adaptation by Evolutionary Algorithms. Computation, 2021, 9, 83.	2.0	0

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37	Hardware Control of the Electron Beam Energy Density by the Heating Spot. Lecture Notes in Networks and Systems, 2022, , 71-78.	0.7	0
38	Modeling the Temperature Field Distribution at the Stages of Input-Output of the Electron Beam. Lecture Notes in Networks and Systems, 2021, , 331-339.	0.7	0
39	State and trends of depreciation strategy of rocket and space industry enterprises formation. , 2018, , .		0
40	Evaluation of Lubricants Use with Ultrafine Copper-Containing Additives in Sliding Bearings with Reversible Friction. Lecture Notes in Mechanical Engineering, 2020, , 1295-1302.	0.4	0
41	Program Model of the Interacting Adaptive Traffic Control System. Communications in Computer and Information Science, 2020, , 218-234.	0.5	0
42	Mathematical Software for Testing and Setting up the Induction Soldering Process. Communications in Computer and Information Science, 2020, , 114-124.	0.5	0
43	Research of Data Analysis Techniques for Vibration Monitoring of Technological Equipment. Advances in Intelligent Systems and Computing, 2020, , 598-605.	0.6	0
44	Algorithmic and Software Support for Technological Decision-Making in the Process of Induction Soldering. Advances in Intelligent Systems and Computing, 2020, , 521-530.	0.6	0
45	Development of Elements of an Intelligent High-Performance Platform of a Distributed Decision Support System for Monitoring and Diagnostics of Technological Objects. Advances in Intelligent Systems and Computing, 2020, , 614-626.	0.6	0
46	Software for modeling brazing process of spacecraft elements from widely used alloys. , 2022, , .		0