

Vitalii Ivanov

List of Publications by Year in descending order

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416
citing authors

#	ARTICLE	IF	CITATIONS
1	Mobile Applications in Engineering Based on the Technology of Augmented Reality. Lecture Notes in Mechanical Engineering, 2022, , 366-376.	0.4	6
2	Diagnostics of the Rotor-Stator Contact by Spectral Analysis of the Vibration State for Rotor Machines. Lecture Notes in Mechanical Engineering, 2022, , 521-534.	0.4	2
3	Features of Flexural-Torsional Oscillations of Cantilever Boring Bars for Fine Boring of Deep Holes with Small Diameters. Lecture Notes in Mechanical Engineering, 2022, , 98-108.	0.4	0
4	Method for an Effective Selection of Tools and Cutting Conditions during Precise Turning of Non-Alloy Quality Steel C45. Materials, 2022, 15, 505.	2.9	14
5	Impact of Magnetic-Pulse and Chemical-Thermal Treatment on Alloyed Steels's Surface Layer. Applied Sciences (Switzerland), 2022, 12, 469.	2.5	3
6	Conceptual Use of Augmented Reality in the Maintenance of Manufacturing Facilities. Lecture Notes in Mechanical Engineering, 2022, , 241-252.	0.4	12
7	The Effect of Blade Angle Deviation on Mixed Inflow Turbine Performances. Applied Sciences (Switzerland), 2022, 12, 3781.	2.5	3
8	Impact of Nitrocarburizing on Hardening of Reciprocating Compressor's Valves. Coatings, 2022, 12, 574.	2.6	3
9	Composition, Structure, and Properties of Ti, Al, Cr, N, C Multilayer Coatings on AISI W1-7 Alloyed Tool Steel. Coatings, 2022, 12, 616.	2.6	1
10	Locating Chart Choice Based on the Decision-Making Approach. Materials, 2022, 15, 3557.	2.9	5
11	Flow Modeling in a Vortex Chamber of a Liquid's Steam Jet Apparatus. Processes, 2022, 10, 984.	2.8	3
12	Improvement of the Efficiency of Fine Boring for Stepped Holes with a Large Diameter Range. Lecture Notes in Mechanical Engineering, 2022, , 322-331.	0.4	1
13	Using Regression Analysis for Automated Material Selection in Smart Manufacturing. Mathematics, 2022, 10, 1888.	2.2	13
14	Development of Flexible Fixtures with Incomplete Locating: Connecting Rods Machining Case Study. Machines, 2022, 10, 493.	2.2	7
15	Determination of contact points between workpiece and fixture elements as a tool for augmented reality in fixture design. Wireless Networks, 2021, 27, 1657-1664.	3.0	36
16	Methods and Algorithms for Calculating Nonlinear Oscillations of Rotor Systems. Lecture Notes in Mechanical Engineering, 2021, , 63-74.	0.4	2
17	Simulation of Diffusion Processes in Chemical and Thermal Processing of Machine Parts. Processes, 2021, 9, 698.	2.8	28
18	Estimation of Wear Resistance for Multilayer Coatings Obtained by Nitrogenchroming. Metals, 2021, 11, 1153.	2.3	3

#	ARTICLE	IF	CITATIONS
19	Parameter Identification of the Heat Supply System in a Coach. Lecture Notes in Mechanical Engineering, 2021, , 643-653.	0.4	0
20	Interaction of Flexural and Torsional Shapes Vibrations in Fine Boring with Cantilever Boring Bars. Lecture Notes in Mechanical Engineering, 2021, , 481-489.	0.4	2
21	Mathematical Modeling of Operating Process and Technological Features for Designing the Vortex Type Liquid-Vapor Jet Apparatus. Lecture Notes in Mechanical Engineering, 2020, , 613-622.	0.4	27
22	Identification of the Interfacial Surface in Separation of Two-Phase Multicomponent Systems. Processes, 2020, 8, 306.	2.8	3
23	Parameter Identification of Cutting Forces in Crankshaft Grinding Using Artificial Neural Networks. Materials, 2020, 13, 5357.	2.9	41
24	The Mathematical Model for the Secondary Breakup of Dropping Liquid. Energies, 2020, 13, 6078.	3.1	4
25	Effect of Superimposed Vibrations on Droplet Oscillation Modes in Prilling Process. Processes, 2020, 8, 566.	2.8	13
26	Three-Dimensional Mathematical Model of the Liquid Film Downflow on a Vertical Surface. Energies, 2020, 13, 1938.	3.1	2
27	Technological Assurance and Features of Fork-Type Parts Machining. Lecture Notes in Mechanical Engineering, 2020, , 114-125.	0.4	29
28	Visual Product Inspection Based on Deep Learning Methods. Lecture Notes in Mechanical Engineering, 2020, , 148-156.	0.4	24
29	Two-Phase Turbulent Flow in the Separation Channel with an Oscillating Wall. Lecture Notes in Mechanical Engineering, 2020, , 570-581.	0.4	1
30	Technological Features of Locating Charts in Fixture Design. Lecture Notes in Networks and Systems, 2020, , 66-74.	0.7	1
31	Increasing Productivity of Connecting Rods Machining. Lecture Notes in Mechanical Engineering, 2020, , 264-275.	0.4	7
32	Ensuring the Bending Stiffness of Pre-compressed Cantilever Boring Bars During Fine Boring. Lecture Notes in Mechanical Engineering, 2020, , 315-324.	0.4	6
33	LOGISTICS CONTROL OF THE RESOURCES FLOW IN ENERGY-SAVING PROJECTS: CASE STUDY FOR METALLURGICAL INDUSTRY. Acta Logistica, 2020, 7, 49-60.	0.6	12
34	Ensuring the Reliability of Separation Equipment Based on Parameter Identification of the Operation Process. EAI/Springer Innovations in Communication and Computing, 2020, , 207-216.	1.1	0
35	Methodology of Experimental Research of Aeroelastic Interaction Between Two-Phase Flow and Deflecting Elements for Modular Separation Devices. Lecture Notes in Mechanical Engineering, 2020, , 489-499.	0.4	1
36	Technological Assurance of Manufacturing Effectiveness on CNC Machining Centers. Advances in Business Information Systems and Analytics Book Series, 2020, , 344-384.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Improvement of Parameters for the Multi-Functional Oil-Gas Separator of "HEATER-TREATER" Type. , 2019, , .		27
38	Information System for Computer-Aided Fixture Design. EAI/Springer Innovations in Communication and Computing, 2019, , 121-132.	1.1	4
39	Mathematical Modeling and Numerical Simulation of Fixtures for Fork-Type Parts Manufacturing. EAI/Springer Innovations in Communication and Computing, 2019, , 133-142.	1.1	28
40	Ensuring Vibration Reliability of Turbopump Units Using Artificial Neural Networks. Lecture Notes in Mechanical Engineering, 2019, , 165-175.	0.4	32
41	Parametric Optimization of Fixtures for Multiaxis Machining of Parts. Lecture Notes in Mechanical Engineering, 2019, , 335-347.	0.4	23
42	Scientific and Methodological Approach for the Identification of Mathematical Models of Mechanical Systems by Using Artificial Neural Networks. Lecture Notes in Electrical Engineering, 2019, , 299-306.	0.4	37
43	Technological Assurance of High-Efficiency Machining of Internal Rope Threads on Computer Numerical Control Milling Machines. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	2.2	7
44	Increasing of Equipment Efficiency by Intensification of Technological Processes. Periodica Polytechnica, Mechanical Engineering, 2018, 63, 67-73.	1.4	44
45	Estimation of the Reliability of Automatic Axial-balancing Devices for Multistage Centrifugal Pumps. Periodica Polytechnica, Mechanical Engineering, 2018, 63, 52-56.	1.4	31
46	Prospects of Using Hydrodynamic Cavitation for Enhancement of Efficiency of Fluid Working Medium Preparation Technologies. Periodica Polytechnica, Mechanical Engineering, 2018, 62, 269-276.	1.4	24
47	Experimental diagnostic research of fixture. Diagnostyka, 2018, 19, 3-9.	0.8	23
48	Flexible Fixtures for CNC Machining Centers in Multiproduct Manufacturing. EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, 2018, 4, 153552.	1.9	6
49	Fundamental Approach for Analysis of Dynamic Characteristics of Fixtures. EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, 2018, 4, 154366.	1.9	4
50	Comprehensive Approach for Mathematical Modeling of Mechanical Systems: Fixture Design Case Study. , 2018, , .		2
51	Computer-Aided Positioning of Elements of the System "Fixture" "Workpiece" , 2018, , .		3
52	Numerical simulation of the system "fixture" "workpiece" for lever machining. International Journal of Advanced Manufacturing Technology, 2017, 91, 79-90.	3.0	27
53	Mathematical Model of the Fixture Flexibility Impact on Machining Accuracy of Levers. Acta Mechanica Slovaca, 2016, 20, 6-15.	0.1	1