Vitalii Ivanov

List of Publications by Year
in descending order

31 papers	589 citations	516710 16 h-index	610901 24 g-index
34 all docs	34 docs citations	34 times ranked	386 citing authors

#	Article	IF	Citations
1	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
2	Impact of Magnetic-Pulse and Chemical-Thermal Treatment on Alloyed Steels' Surface Layer. Applied Sciences (Switzerland), 2022, 12, 469.	2.5	3
3	The Effect of Blade Angle Deviation on Mixed Inflow Turbine Performances. Applied Sciences (Switzerland), 2022, 12, 3781.	2.5	3
4	Impact of Nitrocarburizing on Hardening of Reciprocating Compressor's Valves. Coatings, 2022, 12, 574.	2.6	3
5	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
6	Locating Chart Choice Based on the Decision-Making Approach. Materials, 2022, 15, 3557.	2.9	5
7	Flow Modeling in a Vortex Chamber of a Liquid–Steam Jet Apparatus. Processes, 2022, 10, 984.	2.8	3
8	Using Regression Analysis for Automated Material Selection in Smart Manufacturing. Mathematics, 2022, 10, 1888.	2.2	13
9	Development of Flexible Fixtures with Incomplete Locating: Connecting Rods Machining Case Study. Machines, 2022, 10, 493.	2.2	7
10	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
11	Simulation of Diffusion Processes in Chemical and Thermal Processing of Machine Parts. Processes, 2021, 9, 698.	2.8	28
12	Estimation of Wear Resistance for Multilayer Coatings Obtained by Nitrogenchroming. Metals, 2021, 11, 1153.	2.3	3
13	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
14	Parameter Identification of Cutting Forces in Crankshaft Grinding Using Artificial Neural Networks. Materials, 2020, 13, 5357.	2.9	41
15	The Mathematical Model for the Secondary Breakup of Dropping Liquid. Energies, 2020, 13, 6078.	3.1	4
16	Effect of Superimposed Vibrations on Droplet Oscillation Modes in Prilling Process. Processes, 2020, 8, 566.	2.8	13
17	Three-Dimensional Mathematical Model of the Liquid Film Downflow on a Vertical Surface. Energies, 2020, 13, 1938.	3.1	2
18	Technological Assurance and Features of Fork-Type Parts Machining. Lecture Notes in Mechanical Engineering, 2020, , 114-125.	0.4	29

#	Article	IF	Citations
19	A UNIFORM INTERACTION MODEL OF EDUCATIONAL PROCESS AGENTS IN THE UNIFIED MANAGEMENT SYSTEM OF A HIGHER EDUCATION INSTITUTION. ÃŒnformacÃ¬jnÃ¬ TehnologÃ¬ Ã¬ Zasobi NavÄannÃ¢, 2020, 78, 266-277.	0.4	1
20	Improvement of Parameters for the Multi-Functional Oil-Gas Separator of â€œHEATER-TREATERâ€•Type. , 2019, , .		27
21	Ensuring Vibration Reliability of Turbopump Units Using Artificial Neural Networks. Lecture Notes in Mechanical Engineering, 2019, , 165-175.	0.4	32
22	Simulation of Air Flow on the Bodywork Automobile with Direct and Side Load. Lecture Notes in Mechanical Engineering, 2019, , 228-242.	0.4	0
23	Parametric Optimization of Fixtures for Multiaxis Machining of Parts. Lecture Notes in Mechanical Engineering, 2019, , 335-347.	0.4	23
24	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
25	Construction of methods for ensuring the required level of safety integrity in the automated systems of control over technological processes. Eastern-European Journal of Enterprise Technologies, 2019, 6, 70-78.	0.5	0
26	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
27	Increasing of Equipment Efficiency by Intensification of Technological Processes. Periodica Polytechnica, Mechanical Engineering, 2018, 63, 67-73.	1.4	44
28	Estimation of the Reliability of Automatic Axial-balancing Devices for Multistage Centrifugal Pumps. Periodica Polytechnica, Mechanical Engineering, 2018, 63, 52-56.	1.4	31
29	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
30	Experimental diagnostic research of fixture. Diagnostyka, 2018, 19, 3-9.	0.8	23
31	Numerical simulation of the system â€œfixtureâ€"workpieceâ€•for lever machining. International Journal of Advanced Manufacturing Technology, 2017, 91, 79-90.	3.0	27