

Oleksandr Liaposhchenko

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

366
citations

933447

10
h-index

839539

18
g-index

33
all docs

33
docs citations

33
times ranked

259
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	The model of crossed movement and gas-liquid flow interaction with captured liquid film in the inertial-filtering separation channels. Separation and Purification Technology, 2017, 173, 240-243.	7.9	35
4	Numerical Simulation of Aeroelastic Interaction Between Gas-Liquid Flow and Deformable Elements in Modular Separation Devices. Lecture Notes in Mechanical Engineering, 2020, , 765-774.	0.4	35
5	Ensuring Vibration Reliability of Turbopump Units Using Artificial Neural Networks. Lecture Notes in Mechanical Engineering, 2019, , 165-175.	0.4	32
6	Improvement of Parameters for the Multi-Functional Oil-Gas Separator of "HEATER-TREATER" Type. , 2019, , .		27
7	Appliance of Inertial Gas-Dynamic Separation of Gas-Dispersion Flows in the Curvilinear Convergent-Divergent Channels for Compressor Equipment Reliability Improvement. IOP Conference Series: Materials Science and Engineering, 2017, 233, 012025.	0.6	26
8	Parameter Identification of Technological Equipment for Ensuring the Reliability of the Vibration Separation Process. EAI/Springer Innovations in Communication and Computing, 2020, , 261-272.	1.1	25
9	Parametric Optimization of Fixtures for Multiaxis Machining of Parts. Lecture Notes in Mechanical Engineering, 2019, , 335-347.	0.4	23
10	Effect of Superimposed Vibrations on Droplet Oscillation Modes in Prilling Process. Processes, 2020, 8, 566.	2.8	13
11	Hydrodynamics Modeling of Gas Separator Inertial and Filter Elements for Natural Gas Fine Cleaning. Chemistry and Chemical Technology, 2014, 8, 479-485.	1.1	7
12	Modeling and Design of Inertial "Filtering Gas Separators-Condensers for Compressor Units of Oil and Gas Industry. Applied Mechanics and Materials, 0, 630, 117-123.	0.2	4
13	The Mathematical Model for the Secondary Breakup of Dropping Liquid. Energies, 2020, 13, 6078.	3.1	4
14	Ensuring economic efficiency of flexible fixtures in multiproduct manufacturing. Engineering Management in Production and Services, 2021, 13, 53-62.	0.9	4
15	Parameter identification of the Basset force acting on particles in fluid flow induced by the oscillating wall. Journal of Applied Mathematics and Computational Mechanics, 2019, 18, 53-63.	0.7	4
16	Identification of the Interfacial Surface in Separation of Two-Phase Multicomponent Systems. Processes, 2020, 8, 306.	2.8	3
17	Modeling of Technological Processes for a Rectification Plant in Second-Generation Bioethanol Production. Processes, 2021, 9, 944.	2.8	3
18	Properties of Heat and Mass Transfer Processes in the Tubular Grids with the Heat Exchanger as a Stabilizer. Lecture Notes in Mechanical Engineering, 2020, , 795-804.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Computer-Aided Positioning of Elements of the System "Fixture" Workpiece", 2018, , .		3
20	Three-Dimensional Mathematical Model of the Liquid Film Downflow on a Vertical Surface. Energies, 2020, 13, 1938.	3.1	2
21	Improvement of Hydraulic Characteristics for Impellers Using the Finite Volume Analysis. EAI/Springer Innovations in Communication and Computing, 2021, , 161-174.	1.1	2
22	Analysis of the Conditions of Phase Equilibrium and Influence of the United Heat and Mass Transfer on the Effectiveness of Separation in the Inertial-Filtering Separator. Chemistry and Chemical Technology, 2015, 9, 125-130.	1.1	2
23	Hydrodynamic Parameters of a Combined Contact Device. Lecture Notes in Mechanical Engineering, 2021, , 257-267.	0.4	1
24	Two-Phase Turbulent Flow in the Separation Channel with an Oscillating Wall. Lecture Notes in Mechanical Engineering, 2020, , 570-581.	0.4	1
25	Numerical Simulation of the Mass-Transfer Process Between Ammonia and Water in the Absorption Chiller. Lecture Notes in Mechanical Engineering, 2020, , 239-248.	0.4	1
26	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
27	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
28	Experimental Investigation of Gas-Liquid Layer Height in a Combined Contact Device. Lecture Notes in Mechanical Engineering, 2022, , 623-633.	0.4	0