

# Oleksandr Liaposhchenko

## List of Publications by Year in descending order

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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	Experimental Investigation of Gas-Liquid Layer Height in a Combined Contact Device. Lecture Notes in Mechanical Engineering, 2022, , 623-633.	0.4	0
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	Hydrodynamic Parameters of a Combined Contact Device. Lecture Notes in Mechanical Engineering, 2021, , 257-267.	0.4	1
4	Ensuring economic efficiency of flexible fixtures in multiproduct manufacturing. Engineering Management in Production and Services, 2021, 13, 53-62.	0.9	4
5	Modeling of Technological Processes for a Rectification Plant in Second-Generation Bioethanol Production. Processes, 2021, 9, 944.	2.8	3
6	Improvement of Hydraulic Characteristics for Impellers Using the Finite Volume Analysis. EAI/Springer Innovations in Communication and Computing, 2021, , 161-174.	1.1	2
7	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
8	Identification of the Interfacial Surface in Separation of Two-Phase Multicomponent Systems. Processes, 2020, 8, 306.	2.8	3
9	The Mathematical Model for the Secondary Breakup of Dropping Liquid. Energies, 2020, 13, 6078.	3.1	4
10	Effect of Superimposed Vibrations on Droplet Oscillation Modes in Prilling Process. Processes, 2020, 8, 566.	2.8	13
11	Three-Dimensional Mathematical Model of the Liquid Film Downflow on a Vertical Surface. Energies, 2020, 13, 1938.	3.1	2
12	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
13	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
14	Two-Phase Turbulent Flow in the Separation Channel with an Oscillating Wall. Lecture Notes in Mechanical Engineering, 2020, , 570-581.	0.4	1
15	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
16	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
17	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
18	Improvement of Parameters for the Multi-Functional Oil-Gas Separator of "HEATER-TREATER" Type. , 2019, , .		27

#	ARTICLE	IF	CITATIONS
19	Ensuring Vibration Reliability of Turbopump Units Using Artificial Neural Networks. Lecture Notes in Mechanical Engineering, 2019, , 165-175.	0.4	32
20	Parametric Optimization of Fixtures for Multiaxis Machining of Parts. Lecture Notes in Mechanical Engineering, 2019, , 335-347.	0.4	23
21	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
22	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
23	Computer-Aided Positioning of Elements of the System "Fixture" Workpiece", 2018, , .		3
24	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
25	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
26	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
27	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
28	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