

Elena Lapteva

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Modeling of Intensified Heat Exchangers with Different Viscosities of Fluids. Chemistry and Technology of Fuels and Oils, 2022, 57, 917.	0.5	0
2	Mathematical Model and Thermohydraulic Characteristics of Packed Scrubbers of Condensation Cooling of a Gas. Journal of Engineering Physics and Thermophysics, 2022, 95, 257-265.	0.6	1
3	DISSIPATION OF KINETIC ENERGY AND FRICTION IN A TURBULENT WALL LAYER IN CHANNELS WITH INTENSIFIERS. , 2022, 25, 64-70.		0
4	MASS TRANSFER EFFICIENCY STUDY IN THE GAS PHASE IN A PACKED COLUMN WITH INTENSIFIERS. , 2022, 25, 55-59.		0
5	Mathematical Model of Contact Cooling and Purification of the Dispersed Phase of Gases in Packed Scrubbers. Theoretical Foundations of Chemical Engineering, 2022, 56, 244-251.	0.7	0
6	Determining the Efficiency of Desorption of Corrosive-Active Gases in Columns with Chaotic and Regular Nozzles. Thermal Engineering (English Translation of Teploenergetika), 2021, 68, 165-169.	0.9	0
7	Updating Packed Fractionating Columns Using Mathematical Model of Multicomponent Mixture Separation. Chemistry and Technology of Fuels and Oils, 2021, 57, 1-8.	0.5	1
8	Determining the Efficiency of Packed Gas Separators of Droplets Taking into Account the Nonuniformity of the Gas Velocity Profile. Theoretical Foundations of Chemical Engineering, 2021, 55, 301-306.	0.7	2
9	Thermal Hydraulic Effectiveness of Heat Exchangers with Volumetric Enhancers for High-Viscosity Liquid Media. Journal of Engineering Thermophysics, 2021, 30, 293-299.	1.4	2
10	Mathematical Models of Friction on the Surface of Phase Separation and Heat and Mass Transfer in Film Units of Cooling-Tower Sprinklers with Intensifiers. Theoretical Foundations of Chemical Engineering, 2021, 55, 906-913.	0.7	1
11	Turbulent Drift of Finely Dispersed Particles in Emulsions and Suspensions in Pressure Hydrocyclones. Journal of Engineering Physics and Thermophysics, 2020, 93, 790-795.	0.6	0
12	Heat and Mass Transfer Characteristics and Energy Characteristics of the Packing of Column Apparatuses. Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Tj ETQq0 0 0 rBT /Overclock 10 Tf		
13	Determination of the Thermal Efficiency and Height of the Blocks of Countercurrent Cooling Tower Sprinklers. Journal of Engineering Physics and Thermophysics, 2020, 93, 693-699.	0.6	2
14	Numerical Estimation of the Heat and Mass Transfer Efficiency Considering Nonuniformity in Water and Air Distribution. Thermal Engineering (English Translation of Teploenergetika), 2020, 67, 234-240.	0.9	2
15	Mathematical Model of Dispersed Phase Gas Separation in a Combined Equipment. Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 2019, 55, 611-618.	0.3	4
16	A Mathematical Model and Design Calculation of a Thermal Deaerator with a Bubbling Storage Tank. Thermal Engineering (English Translation of Teploenergetika), 2019, 66, 681-686.	0.9	1
17	INDICATORS OF ENERGY AND SEPARATION EFFICIENCY OF GAS SEPARATORS INTENDED TO REMOVE AEROSOL DROPLETS. Power Engineering Research Equipment Technology, 2019, 21, 3-9.	0.4	0
18	Modeling and Modernization of Tray Towers for Reactive Distillation Processes. Theoretical Foundations of Chemical Engineering, 2018, 52, 1-10.	0.7	6

#	ARTICLE	IF	CITATIONS
19	Efficiency of Water Purification from Dissolved Gases under Weak and Strong Phase Interaction in Film Degassers. Thermal Engineering (English Translation of Teploenergetika), 2018, 65, 226-231.	0.9	0
20	A Model of Heat and Mass Transfer in Gas Phase in Axial and Turbulent Dispersed Annular Flows. Journal of Engineering Thermophysics, 2018, 27, 45-50.	1.4	2
21	A Modified Method of the Number of Transfer Units for Calculating a Cooling Tower. Chemical and Petroleum Engineering (English Translation of Khimicheskoe i Neftyanoe Mashinostroenie), 2018, 54, 569-575.	0.3	4
22	Thermohydraulic Efficiency of the Process of Cooling of Water in Miniature Cooling Towers with Regular Packing. Chemical and Petroleum Engineering (English Translation of Khimicheskoe i Neftyanoe Mashinostroenie), 2018, 54, 569-575.	0.3	4
23	Energy efficiency indicators of cooling towers. Safety and Reliability of Power Industry, 2018, 11, 217-221.	0.5	0
24	Mathematical Models and Calculation of the Coefficients of Heat and Mass Transfer in the Packings of Mechanical-Draft Towers. Journal of Engineering Physics and Thermophysics, 2017, 90, 644-650.	0.6	5
25	External and internal problems of modeling the heat and mass transfer coefficients at particles motion in liquids. Thermophysics and Aeromechanics, 2017, 24, 249-258.	0.5	3
26	Improving the efficiency of water purification from dissolved gases at TPP. Thermal Engineering (English Translation of Teploenergetika), 2017, 64, 68-72.	0.9	1
27	Separation and energy efficiency of packed apparatuses for purifying gases from aerosols. Theoretical Foundations of Chemical Engineering, 2017, 51, 639-646.	0.7	8
28	Models and calculations of the effectiveness of gas and liquid cooling in foam and film apparatuses. Theoretical Foundations of Chemical Engineering, 2016, 50, 430-438.	0.7	4
29	Numerical modeling of heat and mass transfer efficiency of the processes in turbulent foam layers in distillation. Journal of Engineering Thermophysics, 2016, 25, 527-535.	1.4	2
30	Mathematical model and calculation of water-cooling efficiency in a film-filled cooling tower. Thermal Engineering (English Translation of Teploenergetika), 2016, 63, 724-729.	0.9	2
31	Model of multicomponent mass transfer in a turbulent bubbling bed based on the concept of an active site. Theoretical Foundations of Chemical Engineering, 2016, 50, 242-249.	0.7	1
32	Models of transport phenomena in random packed and granular beds. Theoretical Foundations of Chemical Engineering, 2015, 49, 388-395.	0.7	10
33	The model of heat and mass transfer in rough and irrigated ducts. Thermophysics and Aeromechanics, 2015, 22, 435-440.	0.5	7
34	Numerical simulation of mass transfer in the liquid phase of the bubble layer of a thermal deaerator. Thermal Engineering (English Translation of Teploenergetika), 2015, 62, 911-915.	0.9	4
35	Model of gas purification from the fine-dispersed phase in the bubbling layer based on the concept of active input section. Theoretical Foundations of Chemical Engineering, 2015, 49, 157-162.	0.7	4
36	Determination of Heat and Mass Transfer Efficiency on a Bubbling Plate with Account for Scale Transition. Journal of Engineering Physics and Thermophysics, 2015, 88, 806-814.	0.6	9