

Elena Lapteva

List of Publications by Year in descending order

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papers

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1684188

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docs citations

36
times ranked

32
citing authors

#	ARTICLE	IF	CITATIONS
1	Models of transport phenomena in random packed and granular beds. Theoretical Foundations of Chemical Engineering, 2015, 49, 388-395.	0.7	10
2	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
3	Separation and energy efficiency of packed apparatuses for purifying gases from aerosols. Theoretical Foundations of Chemical Engineering, 2017, 51, 639-646.	0.7	8
4	The model of heat and mass transfer in rough and irrigated ducts. Thermophysics and Aeromechanics, 2015, 22, 435-440.	0.5	7
5	Modeling and Modernization of Tray Towers for Reactive Distillation Processes. Theoretical Foundations of Chemical Engineering, 2018, 52, 1-10.	0.7	6
6	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) Tj ETQq0 0 0 rgBT /Ovellock 10Tf 50 537		
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Improving the efficiency of water purification from dissolved gases at TPP. Thermal Engineering (English Translation of Teploenergetika), 2017, 64, 68-72.	0.9	1
23	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
24	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
25	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
26	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
27	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
28	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
29	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 ETQq1 1 0.784314 rgb / Overlo	0.8	0
30	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
31	Energy efficiency indicators of cooling towers. Safety and Reliability of Power Industry, 2018, 11, 217-221.	0.5	0
32	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
33	Modeling of Intensified Heat Exchangers with Different Viscosities of Fluids. Chemistry and Technology of Fuels and Oils, 2022, 57, 917.	0.5	0
34	DISSIPATION OF KINETIC ENERGY AND FRICTION IN A TURBULENT WALL LAYER IN CHANNELS WITH INTENSIFIERS. , 2022, 25, 64-70.		0
35	MASS TRANSFER EFFICIENCY STUDY IN THE GAS PHASE IN A PACKED COLUMN WITH INTENSIFIERS. , 2022, 25, 55-59.		0
36	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