

Igor M Dolganov

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

90
citations

1478505

6
h-index

1474206

9
g-index

20
all docs

20
docs citations

20
times ranked

77
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of alkylaromatic hydrocarbons on the efficiency of linear alkylbenzene sulfonic acid synthesis. <i>Chemical Engineering Journal</i> , 2017, 329, 250-261.	12.7	16
2	Developing a method for increasing the service life of a higher paraffin dehydrogenation catalyst, based on the nonstationary kinetic model of a reactor. <i>Catalysis in Industry</i> , 2012, 4, 110-120.	0.7	12
3	Alkylaromatics in Detergents Manufacture: Modeling and Optimizing Linear Alkylbenzene Sulfonation. <i>Journal of Surfactants and Detergents</i> , 2018, 21, 175-184.	2.1	11
4	Development of approach to modelling and optimization of non-stationary catalytic processes in oil refining and petrochemistry. <i>Polish Journal of Chemical Technology</i> , 2012, 14, 22-29.	0.5	10
5	Reactor-regenerator System Joint Work Optimization in Benzene Alkylation with Higher Olefins Unit. <i>Procedia Chemistry</i> , 2014, 10, 547-554.	0.7	9
6	Modeling the H ₂ SO ₄ -catalyzed isobutane alkylation with alkenes considering the process unsteadiness. <i>Catalysis Today</i> , 2019, 329, 206-213.	4.4	9
7	Modeling the multistage process of the linear alkylbenzene sulfonic acid manufacturing. <i>Chemical Engineering Research and Design</i> , 2019, 147, 510-519.	5.6	6
8	Mathematical Modeling of Liquid-Phase Alkylation of Benzene with Ethylene Considering the Process Unsteadiness. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 14537-14543.	3.7	3
9	Influence of flowrate and composition of the alkanes dehydrogenation process feedstock on by-products concentration in the linear alkylbenzene sulfonic acid manufacturing technology. <i>Catalysis Today</i> , 2021, 378, 231-239.	4.4	3
10	Application of Mathematical Modeling for Optimization of Linear Alkylbenzenes Sulphonation Modes in Film Reactor. <i>Procedia Engineering</i> , 2016, 152, 73-80.	1.2	2
11	Calculation of the optimal blending component ratio by using mathematical modeling method. <i>Petroleum Science and Technology</i> , 2019, 37, 1170-1175.	1.5	2
12	Unsteady-State Mathematical Modeling of Hydrocarbon Feedstock Pyrolysis. <i>Processes</i> , 2020, 8, 1394.	2.8	2
13	Computer Modeling System of the Industrial Diesel Fuel Catalytic Dewaxing Process. <i>Chemical Engineering and Technology</i> , 2021, 44, 31-37.	1.5	2
14	Nonsteady-state mathematical modelling of H ₂ SO ₄ -catalysed alkylation of isobutane with alkenes. <i>Oil and Gas Science and Technology</i> , 2021, 76, 36.	1.4	2
15	Optimization of Higher Alkanes Dehydrogenation Process under Conditions of Decreased Hydrogen Containing Gas Flow with Using Mathematical Modeling. <i>Procedia Engineering</i> , 2015, 113, 26-31.	1.2	1
16	Computer modeling and software development for unsteady chemical technological systems. <i>MATEC Web of Conferences</i> , 2016, 85, 01005.	0.2	0
17	Low-temperature separation of gas: Simulation of dynamic conditions. <i>Petroleum Science and Technology</i> , 2017, 35, 1263-1269.	1.5	0
18	Comment on "Sulfonation of alkylbenzene using liquid sulfonating agent in rotating packed bed: Experimental and numerical study". <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 123, 45-46.	3.6	0

#	ARTICLE	IF	CITATIONS
19	“Dehydrogenation Kinetic Model of Heavy Paraffins” Comments on the article by H. Jiang et al.. AIChE Journal, 2019, 65, 458-458.	3.6	0
20	Linear Alkylbenzenes Sulfonation: Design of Film Reactor and its Influence on the Formation of Deactivating components. Journal of Surfactants and Detergents, 2020, 23, 1007-1015.	2.1	0