

Igor M Dolganov

List of Publications by Year in descending order

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papers

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citations

1478505

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g-index

20
all docs

20
docs citations

20
times ranked

77
citing authors

#	ARTICLE	IF	CITATIONS
1	Computer Modeling System of the Industrial Diesel Fuel Catalytic Dewaxing Process. Chemical Engineering and Technology, 2021, 44, 31-37.	1.5	2
2	Influence of flowrate and composition of the alkanes dehydrogenation process feedstock on by-products concentration in the linear alkylbenzene sulfonic acid manufacturing technology. Catalysis Today, 2021, 378, 231-239.	4.4	3
3	Nonsteady-state mathematical modelling of H ₂ SO ₄ -catalysed alkylation of isobutane with alkenes. Oil and Gas Science and Technology, 2021, 76, 36.	1.4	2
4	Unsteady-State Mathematical Modeling of Hydrocarbon Feedstock Pyrolysis. Processes, 2020, 8, 1394.	2.8	2
5	Mathematical Modeling of Liquid-Phase Alkylation of Benzene with Ethylene Considering the Process Unsteadiness. Industrial & Engineering Chemistry Research, 2020, 59, 14537-14543.	3.7	3
6	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
7	Modeling the multistage process of the linear alkylbenzene sulfonic acid manufacturing. Chemical Engineering Research and Design, 2019, 147, 510-519.	5.6	6
8	Calculation of the optimal blending component ratio by using mathematical modeling method. Petroleum Science and Technology, 2019, 37, 1170-1175.	1.5	2
9	Modeling the H ₂ SO ₄ -catalyzed isobutane alkylation with alkenes considering the process unsteadiness. Catalysis Today, 2019, 329, 206-213.	4.4	9
10	Dehydrogenation Kinetic Model of Heavy Paraffins – Comments on the article by H. Jiang et al.. AIChE Journal, 2019, 65, 458-458.	3.6	0
11	Alkylaromatics in Detergents Manufacture: Modeling and Optimizing Linear Alkylbenzene Sulfonation. Journal of Surfactants and Detergents, 2018, 21, 175-184.	2.1	11
12	Comment on "Sulfonation of alkylbenzene using liquid sulfonating agent in rotating packed bed: Experimental and numerical study". Chemical Engineering and Processing: Process Intensification, 2018, 123, 45-46.	3.6	0
13	Influence of alkylaromatic hydrocarbons on the efficiency of linear alkylbenzene sulfonic acid synthesis. Chemical Engineering Journal, 2017, 329, 250-261.	12.7	16
14	Low-temperature separation of gas: Simulation of dynamic conditions. Petroleum Science and Technology, 2017, 35, 1263-1269.	1.5	0
15	Computer modeling and software development for unsteady chemical technological systems. MATEC Web of Conferences, 2016, 85, 01005.	0.2	0
16	Application of Mathematical Modeling for Optimization of Linear Alkylbenzenes Sulphonation Modes in Film Reactor. Procedia Engineering, 2016, 152, 73-80.	1.2	2
17	Optimization of Higher Alkanes Dehydrogenation Process under Conditions of Decreased Hydrogen Containing Gas Flow with Using Mathematical Modeling. Procedia Engineering, 2015, 113, 26-31.	1.2	1
18	Reactor-regenerator System Joint Work Optimization in Benzene Alkylation with Higher Olefins Unit. Procedia Chemistry, 2014, 10, 547-554.	0.7	9

#	ARTICLE	IF	CITATIONS
19	Development of approach to modelling and optimization of non-stationary catalytic processes in oil refining and petrochemistry. Polish Journal of Chemical Technology, 2012, 14, 22-29.	0.5	10
20	Developing a method for increasing the service life of a higher paraffin dehydrogenation catalyst, based on the nonstationary kinetic model of a reactor. Catalysis in Industry, 2012, 4, 110-120.	0.7	12