

Alexey Nikitin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

190
citations

8
h-index

12
g-index

37
ext. papers

248
ext. citations

2.6
avg, IF

3.23
L-index

#	Paper	IF	Citations
35	New concept for small-scale GTL. <i>Chemical Engineering Journal</i> , 2015 , 282, 206-212	14.7	33
34	Matrix conversion of natural gas to syngas: The main parameters of the process and possible applications. <i>Chemical Engineering Journal</i> , 2019 , 377, 120883	14.7	16
33	Production of gas mixtures with regulated ratios between ethylene and carbon monoxide by the gas-phase oxidative cracking of light alkanes. <i>Kinetics and Catalysis</i> , 2014 , 55, 556-565	1.5	13
32	Kinetic features and industrial prospects of the selective oxidative cracking of light alkanes. <i>Russian Chemical Reviews</i> , 2017 , 86, 47-74	6.8	12
31	Prospects of Conversion of Hydrocarbon Gases to Liquid Products Based on Nitrogen-Rich Synthesis Gas (Review). <i>Petroleum Chemistry</i> , 2019 , 59, 370-379	1.1	12
30	Experimental studies of natural gas to synthesis gas converters based on permeable cavity matrices. <i>Russian Journal of Applied Chemistry</i> , 2016 , 89, 1816-1824	0.8	12
29	The role of homogeneous steam reforming of acetylene in the partial oxidation of methane to syngas in matrix type converters. <i>Chemical Engineering Science</i> , 2019 , 207, 744-751	4.4	10
28	Adjustment of the fuel characteristics of wet and associated petroleum gases by partial oxidation of C2+ hydrocarbons. <i>Petroleum Chemistry</i> , 2017 , 57, 236-243	1.1	9
27	Selective oxycracking of associated petroleum gas into energy fuel in the light of new data on self-ignition delays of methane-alkane compositions. <i>Chemical Engineering Journal</i> , 2020 , 381, 122706	14.7	8
26	Utilization of renewable sources of biogas for small-scale production of liquid fuels. <i>Catalysis Today</i> , 2021 , 379, 23-27	5.3	8
25	Low-temperature autoignition of binary mixtures of methane with C3-5 alkanes. <i>Combustion, Explosion and Shock Waves</i> , 2016 , 52, 386-393	1	7
24	New Potentialities for Utilization of Associated Petroleum Gases in Power Generation and Chemicals Production. <i>Eurasian Chemico-Technological Journal</i> , 2017 , 19, 265	0.8	6
23	Effect of pressure on the oxidative cracking of C2-4 alkanes. <i>Russian Chemical Bulletin</i> , 2016 , 65, 2405-2410	1.0	6
22	Activation of the radical-promoted conversion of light hydrocarbons by the products of a rich methane flame. <i>Russian Journal of Physical Chemistry B</i> , 2016 , 10, 907-911	1.2	5
21	Oxidative conversion of wet and associated gases to fuels for power plants. <i>Journal of Natural Gas Science and Engineering</i> , 2016 , 31, 9-14	4.6	4
20	Effect of Hydrogen, Carbon Monoxide, Synthesis Gas, and Steam Additives on the Characteristics of Matrix Conversion of Rich Methane-Oxygen Mixtures. <i>Petroleum Chemistry</i> , 2020 , 60, 818-826	1.1	4
19	Comparison of Various Options for Designing the Direct Oxidation of Methane to Methanol. <i>Russian Journal of Applied Chemistry</i> , 2021 , 94, 509-517	0.8	3

18	Non-Catalytic Steam Reforming of C1 ₄ Hydrocarbons. <i>Petroleum Chemistry</i> , 2021 , 61, 762-772	1.1	3
17	Perspective tendencies in development of small scale processing of gas resources. <i>Pure and Applied Chemistry</i> , 2017 , 89, 1033-1047	2.1	2
16	Experimental Determination of Self-Ignition Delay of Mixtures of Methane with Light Alkanes. <i>Combustion, Explosion and Shock Waves</i> , 2019 , 55, 526-533	1	2
15	EFFECT OF STEAM ADDITION ON THE PROCESS OF MATRIX CONVERSION OF METHANE TO SYNGAS. <i>Gorenie i Vzryv (Moskva) [Combustion and Explosion]</i> , 2018 , 11, 18-23	0.5	2
14	Oxidative Cracking of Oil Refinery Gases. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1745-1750	0.8	2
13	Analysis of the Fundamental Aspects of Oxidation of Rich Methane Mixtures in Matrix-Type Converters. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 1500-1512	0.8	2
12	Production of Ethylene, CO, and Hydrogen by Oxidative Cracking of Oil Refinery Gas Components. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 2065-2075	0.8	2
11	Thermokinetic oscillations in the partial oxidation of methane. <i>Russian Journal of Physical Chemistry B</i> , 2017 , 11, 403-410	1.2	1
10	Physical Methods for Studying Chemical Reactions: New Non-Catalytic Methods for Processing Hydrocarbon Gases. <i>Russian Journal of Physical Chemistry B</i> , 2021 , 15, 498-505	1.2	1
9	Membrane Absorption of Ethylene from a Mixture with Ethane Using MDK-3 Composite Membranes. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1826-1834	0.8	1
8	Effect of Hydrogen Addition on Oxidative Cracking of Ethane. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 1767-1772	0.8	1
7	Processing of natural and casing-head gases by the gas-phase oxidation. <i>Kataliz V Promyshlennosti</i> , 2021 , 21, 227-237	0.3	1
6	The Fuel of Our Future: Hydrogen or Methane? 2022 , 1, 96-106		1
5	Production of Hydrogen from Propane/Butane Mixture in a Combined Process of Matrix and Steam Conversion. <i>Russian Journal of Applied Chemistry</i> , 2021 , 94, 927-933	0.8	0
4	Computer modeling of self-ignition delays of methane-alkane mixtures. <i>Journal of Physics: Conference Series</i> , 2018 , 1141, 012153	0.3	0
3	Gas-Phase Oxidation of Natural and Associated Gases. <i>Catalysis in Industry</i> , 2022 , 14, 1-10	0.8	0
2	Oxidative Cracking of Propane in the Presence of Hydrogen. <i>Russian Journal of Applied Chemistry</i> , 2021 , 94, 787-792	0.8	
1	Effect of Hydrogen and Carbon Monoxide Additions on Partial Oxidation of Methane at Elevated Pressures. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1726-1733	0.8	

