

Vladimir Danilevich

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

369
citations

759233

12
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

143
citing authors

#	ARTICLE	IF	CITATIONS
1	TSEFLAR? ? the centrifugal flash reactor for rapid thermal treatment of powdered materials. Chemical Engineering Journal, 2005, 107, 157-161.	12.7	34
2	Synthesis of aluminum oxides from the products of the rapid thermal decomposition of hydrargillite in a centrifugal flash reactor: II. Physicochemical properties of the products obtained by the centrifugal thermal activation of hydrargillite. Kinetics and Catalysis, 2007, 48, 153-161.	1.0	30
3	Novel eco-friendly method for preparation of mesoporous alumina from the product of rapid thermal treatment of gibbsite. Superlattices and Microstructures, 2018, 120, 148-160.	3.1	30
4	Effect of chromium content on the properties of a microspherical alumina-chromium catalyst for isobutane dehydrogenation prepared with the use of a centrifugal thermal activation product of gibbsite. Kinetics and Catalysis, 2010, 51, 898-906.	1.0	24
5	Guard bed catalysts for silicon removal during hydrotreating of middle distillates. Catalysis Today, 2019, 329, 53-62.	4.4	24
6	Silicon doping effect on the properties of the hydrotreating catalysts of FCC feedstock pretreatment. Applied Catalysis B: Environmental, 2021, 280, 119415.	20.2	22
7	Effect of modifying alumina desiccants with sulfuric acid on their physicochemical properties. Kinetics and Catalysis, 2014, 55, 372-379.	1.0	20
8	Ethanol-to-ethylene dehydration on acid-modified ring-shaped alumina catalyst in a tubular reactor. Chemical Engineering Journal, 2019, 374, 605-618.	12.7	20
9	Highly effective water adsorbents based on aluminum oxide. Kinetics and Catalysis, 2012, 53, 632-639.	1.0	19
10	Characteristics optimization of activated alumina desiccants based on product of a centrifugal thermal activation of gibbsite. Russian Journal of Applied Chemistry, 2016, 89, 343-353.	0.5	17
11	Influence of the temperature of calcination of bayerite-containing aluminum hydroxide pellets on the water vapor adsorption capacity and acid-base properties of alumina. Kinetics and Catalysis, 2012, 53, 570-576.	1.0	15
12	Study of acid-modified aluminum oxides produced by centrifugal thermal activation in dehydration of ethanol. Russian Journal of Applied Chemistry, 2016, 89, 683-689.	0.5	14
13	Microspherical chromium oxide/alumina catalyst KDM for fluidized-bed isobutane dehydrogenation: Development and industrial application experience. Catalysis in Industry, 2012, 4, 298-307.	0.7	13
14	Comparison of alumina supports and catalytic activity of CoMoP/Al ₂ O ₃ hydrotreating catalysts obtained using flash calcination of gibbsite and precipitation method. Catalysis Today, 2020, 353, 88-98.	4.4	12
15	Influence of alumina precursor on silicon capacity of NiMoP/Al ₂ O ₃ guard bed catalysts for gas oil hydrotreating. Catalysis Today, 2020, 353, 53-62.	4.4	12
16	Optimizing the Properties of an Alumina Support of Hydrotreating Catalysts by Introducing Boron and Sulfur at the Stage of Obtaining Pseudoboehmite by Hydrothermal Treatment of the Product Produced by Flash Calcination of Gibbsite. Catalysis in Industry, 2019, 11, 301-312.	0.7	11
17	The process for preparation of active aluminum hydroxyoxide via flash calcination of gibbsite in a new energy-efficient centrifugal drum-type reactor. Cleaner Engineering and Technology, 2021, 3, 100118.	4.0	9
18	Modification of HDT catalysts of FCC feedstock by adding silica to the kneading paste of alumina support: Advantages and disadvantages. Fuel, 2022, 324, 124555.	6.4	9

#	ARTICLE	IF	CITATIONS
19	Enhancement of the Sorption Ability of Aluminum Oxide Desiccants by Alkaline Modification. Russian Journal of Applied Chemistry, 2017, 90, 1810-1818.	0.5	8
20	A Centrifugal Drum-type Reactor for Fast Thermal Treatment of Hydrargillite. Kataliz V Promyshlennosti, 2016, 16, 13-28.	0.3	6
21	Dynamic capacity of desiccants based on modified alumina at elevated pressures. Catalysis in Industry, 2017, 9, 91-98.	0.7	5
22	Influence of the order of the catalysts in the stacked bed of VGO hydrotreating catalysts. Fuel, 2021, 306, 121672.	6.4	5
23	Synthesis and characterization of lanthanum-modified pseudoboehmite - The precursor of alumina supports and catalysts. Microporous and Mesoporous Materials, 2022, 335, 111800.	4.4	5
24	Effect of Method of Boron Introduction into NiMo/Al ₂ O ₃ Protective-Layer Catalysts on the Removal of Silicon from Diesel Fractions. Russian Journal of Applied Chemistry, 2018, 91, 2022-2029.	0.5	4
25	Physicochemical properties of TiO ₂ (anatase) prepared by the centrifugal thermal activation of hydrated titanium dioxide. Kinetics and Catalysis, 2010, 51, 444-448.	1.0	1