

# Maxim O Kazakov

## List of Publications by Year in descending order

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48  
papers

705  
citations

687363

13  
h-index

642732

23  
g-index

48  
all docs

48  
docs citations

48  
times ranked

572  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of $\gamma$ -Al <sub>2</sub> O <sub>3</sub> hydrothermal treatment on the formation and properties of platinum sites in Pt/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalysts. Applied Catalysis A: General, 2014, 469, 472-482.	4.3	56
2	Hydrocracking of vacuum gas oil over NiMo/zeolite-Al <sub>2</sub> O <sub>3</sub> : Influence of zeolite properties. Fuel, 2019, 237, 178-190.	6.4	56
3	Hydrocracking of vacuum gas oil over NiMo/Y-Al <sub>2</sub> O <sub>3</sub> : Effect of mesoporosity introduced by zeolite Y recrystallization. Catalysis Today, 2018, 305, 117-125.	4.4	50
4	Influence of USY zeolite recrystallization on physicochemical properties and catalytic performance of NiMo/USY-Al <sub>2</sub> O <sub>3</sub> hydrocracking catalysts. Catalysis Today, 2019, 329, 108-115.	4.4	43
5	CoNiMo/Al <sub>2</sub> O <sub>3</sub> catalysts for deep hydrotreatment of vacuum gasoil. Catalysis Today, 2016, 271, 56-63.	4.4	39
6	Comparative study of MWCNT and alumina supported CoMo hydrotreating catalysts prepared with citric acid as chelating agent. Catalysis Today, 2020, 357, 221-230.	4.4	32
7	Hydroprocessing of hydrocracker bottom on Pd containing bifunctional catalysts. Catalysis Today, 2016, 271, 154-162.	4.4	26
8	CoMoB/Al <sub>2</sub> O <sub>3</sub> catalysts for hydrotreating of diesel fuel. The effect of the way of the boron addition to a support or an impregnating solution. Catalysis Today, 2018, 305, 192-202.	4.4	24
9	Guard bed catalysts for silicon removal during hydrotreating of middle distillates. Catalysis Today, 2019, 329, 53-62.	4.4	24
10	Investigation of active metal species formation in Pd-promoted sulfated zirconia isomerization catalyst. Applied Catalysis A: General, 2010, 387, 5-12.	4.3	22
11	Silicon doping effect on the properties of the hydrotreating catalysts of FCC feedstock pretreatment. Applied Catalysis B: Environmental, 2021, 280, 119415.	20.2	22
12	FTIR Spectroscopy of Adsorbed Probe Molecules for Analyzing the Surface Properties of Supported Pt (Pd) Catalysts. , O, , .		21
13	The influence of B and P in the impregnating solution on the properties of NiMo/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalysts for VGO hydrotreating. Catalysis Today, 2019, 329, 2-12.	4.4	21
14	Liquid-phase isobutane alkylation with butenes over aluminum chloride complexes synthesized in situ from activated aluminum and tert-butyl chloride. Kinetics and Catalysis, 2012, 53, 357-362.	1.0	15
15	Boosting hydrodesulfurization activity of CoMo/Al <sub>2</sub> O <sub>3</sub> catalyst via selective graphitization of alumina surface. Microporous and Mesoporous Materials, 2021, 317, 111008.	4.4	15
16	The effect of Si/Al ratio of zeolite Y in NiW catalyst for second stage hydrocracking. Catalysis Today, 2021, 378, 65-74.	4.4	15
17	Effect of sulfosalicylic acid treatment on the properties of Beta zeolite and performance of NiW/Beta-based catalysts in hexadecane hydrocracking. Applied Catalysis A: General, 2020, 598, 117573.	4.3	14
18	A new catalyst for the deep hydrotreatment of vacuum gas oil, a catalytic cracking feedstock. Catalysis in Industry, 2015, 7, 38-46.	0.7	13

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19	Biomarkers and adamantanes in crude oils from Cenomanian deposits of northern West Siberia. <i>Russian Geology and Geophysics</i> , 2013, 54, 958-965.	0.7	12
20	Formation of platinum sites on layered double hydroxide type basic supports: III. Effect of the mechanism of $[PtCl_6]^{2-}$ complex binding to aluminum-magnesium layered double hydroxides on the properties of supported platinum in Pt/MgAlO <sub>x</sub> catalysts. <i>Kinetics and Catalysis</i> , 2014, 55, 786-792.	1.0	12
21	Influence of alumina precursor on silicon capacity of NiMo/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> guard bed catalysts for gas oil hydrotreating. <i>Catalysis Today</i> , 2020, 353, 53-62.	4.4	12
22	Influence of zeolite content in NiW/Y-ASA-Al <sub>2</sub> O <sub>3</sub> catalyst for second stage hydrocracking. <i>Catalysis Today</i> , 2021, 377, 50-58.	4.4	12
23	Use of platinum carbonyl complexes in the synthesis of Pt/MgAlO <sub>x</sub> catalysts. <i>Kinetics and Catalysis</i> , 2013, 54, 505-510.	1.0	11
24	Hydroisomerization of benzene-containing gasoline fractions on a Pt/SO <sub>4</sub> <sup>2-</sup> -ZrO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst: I. Effect of chemical composition on the phase state and texture characteristics of SO <sub>4</sub> <sup>2-</sup> -ZrO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> supports. <i>Kinetics and Catalysis</i> , 2010, 51, 438-443.	1.0	10
25	Hydroisomerization of benzene-containing gasoline fractions on a Pt/SO <sub>4</sub> <sup>2-</sup> -ZrO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst: II. Effect of chemical composition on acidic and hydrogenating and the occurrence of model isomerization reactions. <i>Kinetics and Catalysis</i> , 2011, 52, 573-578.	1.0	10
26	Influence of hydrotreatment depth on product composition of fluid catalytic cracking process for light olefins production. <i>Catalysis Today</i> , 2021, 378, 2-9.	4.4	10
27	Synthesis of layered magnesium-aluminum hydroxide on the $\gamma$ -Al <sub>2</sub> O <sub>3</sub> surface for modifying the properties of supported platinum catalysts. <i>Catalysis Today</i> , 2019, 334, 249-257.	4.4	9
28	Effect of Organic Additives on the Structure and Hydrotreating Activity of a CoMoS/Multiwalled Carbon Nanotube Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 20612-20623.	3.7	9
29	Peptization of alumina by ammonia to adjust catalytic properties of NiMo/ $\beta$ -Al <sub>2</sub> O <sub>3</sub> hydrotreating catalysts. <i>Catalysis Today</i> , 2021, 375, 377-392.	4.4	9
30	Effect of rare earths on acidity of high-silica ultrastable REY zeolites and catalytic performance of NiMo/REY+Al <sub>2</sub> O <sub>3</sub> catalysts in vacuum gas oil hydrocracking. <i>Microporous and Mesoporous Materials</i> , 2022, 329, 111547.	4.4	9
31	Modification of HDT catalysts of FCC feedstock by adding silica to the kneading paste of alumina support: Advantages and disadvantages. <i>Fuel</i> , 2022, 324, 124555.	6.4	9
32	Optimization of grading guard systems for trapping of particulates to prevent pressure drop buildup in gas oil hydrotreater. <i>Fuel</i> , 2021, 285, 119149.	6.4	8
33	Is it possible to reactivate hydrotreating catalyst poisoned by silicon?. <i>Catalysis Today</i> , 2021, 378, 43-56.	4.4	8
34	Catalysts on the basis of anion-modified metal oxides for production of ecologically pure components of motor fuels. <i>Russian Journal of General Chemistry</i> , 2007, 77, 2272-2283.	0.8	6
35	Hydroisomerization of reformed gasoline on the Pt/SO <sub>4</sub> <sup>2-</sup> -ZrO <sub>2</sub> catalyst. <i>Petroleum Chemistry</i> , 2009, 49, 218-224.	1.4	6
36	Influence of the conditions of hydrogenation treatment of black oil on the yield and properties of the products obtained. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 254-262.	0.5	5

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37	Hydrocracking of Vacuum Gasoil on NiMoW/AAS-Al <sub>2</sub> O <sub>3</sub> Trimetallic Catalysts: Effect of the W : Mo Ratio. <i>Catalysis in Industry</i> , 2018, 10, 20-28.	0.7	5
38	Hydroisomerization of benzene-containing gasoline fractions on a Pt/SO <sub>4</sub> <sup>2-</sup> -ZrO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst: III. The hydrogenating properties of the catalyst. <i>Kinetics and Catalysis</i> , 2012, 53, 101-106.	1.0	4
39	Hydroconversion of Oil Shale on Natural Mineral Matrices. <i>Petroleum Chemistry</i> , 2017, 57, 1169-1172.	1.4	4
40	Effect of Method of Boron Introduction into NiMo/Al <sub>2</sub> O <sub>3</sub> Protective-Layer Catalysts on the Removal of Silicon from Diesel Fractions. <i>Russian Journal of Applied Chemistry</i> , 2018, 91, 2022-2029.	0.5	4
41	Hydrocracking of Vacuum Gasoil on NiMo/AAS-Al <sub>2</sub> O <sub>3</sub> Catalysts Prepared from Citric Acid: Effect of the Catalyst Heat Treatment Temperature. <i>Catalysis in Industry</i> , 2018, 10, 29-40.	0.7	3
42	Graphitization of alumina as a way to stabilize its textural characteristics under hydrothermal conditions. <i>Microporous and Mesoporous Materials</i> , 2022, 341, 112038.	4.4	3
43	Hydroisomerization of benzene-containing gasoline fractions on Pt/SO <sub>4</sub> <sup>2-</sup> -ZrO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst: Conversion of model and real feedstocks. <i>Catalysis in Industry</i> , 2013, 5, 209-215.	0.7	2
44	Effect of Composition and Texture Characteristics of NiMo/Al <sub>2</sub> O <sub>3</sub> Guard-Bed Catalysts on Silicon Removal from Diesel Fractions. <i>Petroleum Chemistry</i> , 2017, 57, 1165-1168.	1.4	2
45	Influence of Temperature on the Hydrogenation of Oil Shale from the Kashpir Deposit. <i>Solid Fuel Chemistry</i> , 2018, 52, 26-29.	0.7	1
46	Conversion of Oil Shale Hydroconversion Products in the Presence of Supported Nickel-Molybdenum Sulfide Catalysts. <i>Petroleum Chemistry</i> , 2020, 60, 744-750.	1.4	1
47	Ni/SO <sub>4</sub> <sup>2-</sup> -ZrO <sub>2</sub> and NiRe/SO <sub>4</sub> <sup>2-</sup> -ZrO <sub>2</sub> Catalyst for Simultaneous Benzene Alkylation and Alkanes Isomerization. <i>Journal of Siberian Federal University: Chemistry</i> , 2016, 9, 89-99.	0.7	1
48	Hydrogenation of Bituminous Sand. <i>Solid Fuel Chemistry</i> , 2018, 52, 110-115.	0.7	0