

Oleg Klimov

List of Publications by Year in descending order

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107
papers

1,372
citations

331259

21
h-index

433756

31
g-index

108
all docs

108
docs citations

108
times ranked

847
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of rare earths on acidity of high-silica ultrastable REY zeolites and catalytic performance of NiMo/REY+Al ₂ O ₃ catalysts in vacuum gas oil hydrocracking. <i>Microporous and Mesoporous Materials</i> , 2022, 329, 111547.	2.2	9
2	Investigation of the regeneration of NiMoP/Al ₂ O ₃ hydrotreating catalysts. <i>Applied Catalysis A: General</i> , 2022, 630, 118447.	2.2	3
3	Characterization and Hydroisomerization Performance of Mg-Promoted, Pt/ZSM-23-Based Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	1
4	Effect of alumina surface chemistry on chromia dispersion and dehydrogenation activity of CrOx/γ-Al ₂ O ₃ catalysts with high Cr content. <i>Molecular Catalysis</i> , 2022, 521, 112180.	1.0	1
5	Synthesis and characterization of lanthanum-modified pseudoboehmite - The precursor of alumina supports and catalysts. <i>Microporous and Mesoporous Materials</i> , 2022, 335, 111800.	2.2	5
6	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.	3.4	9
7	Deactivation of hydrotreating catalysts (A review). <i>Kataliz V Promyshlennosti</i> , 2022, 22, 38-65.	0.2	1
8	Peptization of alumina by ammonia to adjust catalytic properties of NiMo/B-Al ₂ O ₃ hydrotreating catalysts. <i>Catalysis Today</i> , 2021, 375, 377-392.	2.2	9
9	Influence of zeolite content in NiW/Y-ASA-Al ₂ O ₃ catalyst for second stage hydrocracking. <i>Catalysis Today</i> , 2021, 377, 50-58.	2.2	12
10	Optimization of grading guard systems for trapping of particulates to prevent pressure drop buildup in gas oil hydrotreater. <i>Fuel</i> , 2021, 285, 119149.	3.4	8
11	Silicon doping effect on the properties of the hydrotreating catalysts of FCC feedstock pretreatment. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119415.	10.8	22
12	Development of Catalysts for Hydroprocesses in Oil Refining. <i>Catalysis in Industry</i> , 2021, 13, 187-202.	0.3	1
13	Boosting hydrodesulfurization activity of CoMo/Al ₂ O ₃ catalyst via selective graphitization of alumina surface. <i>Microporous and Mesoporous Materials</i> , 2021, 317, 111008.	2.2	15
14	Influence of hydrotreatment depth on product composition of fluid catalytic cracking process for light olefins production. <i>Catalysis Today</i> , 2021, 378, 2-9.	2.2	10
15	The effect of Si/Al ratio of zeolite Y in NiW catalyst for second stage hydrocracking. <i>Catalysis Today</i> , 2021, 378, 65-74.	2.2	15
16	Is it possible to reactivate hydrotreating catalyst poisoned by silicon?. <i>Catalysis Today</i> , 2021, 378, 43-56.	2.2	8
17	Influence of the order of the catalysts in the stacked bed of VGO hydrotreating catalysts. <i>Fuel</i> , 2021, 306, 121672.	3.4	5
18	Effect of Steam-Air Treatment of Alumina-Chromia Dehydrogenation Catalysts on Their Physicochemical and Catalytic Characteristics. <i>Russian Journal of Applied Chemistry</i> , 2021, 94, 1283-1291.	0.1	2

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19	Comparative study of MWCNT and alumina supported $\text{CoMoP}/\text{Al}_2\text{O}_3$ hydrotreating catalysts prepared with citric acid as chelating agent. <i>Catalysis Today</i> , 2020, 357, 221-230.	2.2	32
20	Comparison of alumina supports and catalytic activity of $\text{CoMoP}/\text{Al}_2\text{O}_3$ hydrotreating catalysts obtained using flash calcination of gibbsite and precipitation method. <i>Catalysis Today</i> , 2020, 353, 88-98.	2.2	12
21	Influence of alumina precursor on silicon capacity of $\text{NiMo}/\text{Al}_2\text{O}_3$ guard bed catalysts for gas oil hydrotreating. <i>Catalysis Today</i> , 2020, 353, 53-62.	2.2	12
22	Effect of alumina polymorph on the dehydrogenation activity of supported chromia/alumina catalysts. <i>Journal of Catalysis</i> , 2020, 391, 35-47.	3.1	20
23	Effect of Organic Additives on the Structure and Hydrotreating Activity of a $\text{CoMoS}/\text{Multiwalled Carbon Nanotube}$ Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 20612-20623.	1.8	9
24	Conversion of Oil Shale Hydroconversion Products in the Presence of Supported Nickel-Molybdenum Sulfide Catalysts. <i>Petroleum Chemistry</i> , 2020, 60, 744-750.	0.4	1
25	Effect of the ZSM-23 Synthesis Method on the Properties of $\text{Pt}/\text{ZSM-23}/\text{Al}_2\text{O}_3$ Catalysts in n-Decane Conversion. <i>Petroleum Chemistry</i> , 2020, 60, 212-218.	0.4	7
26	Development of Catalysts for Hydroprocesses in Oil Refining. <i>Kataliz V Promyshlennosti</i> , 2020, 20, 391-406.	0.2	3
27	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. <i>Catalysis in Industry</i> , 2019, 11, 301-312.	0.3	11
28	The influence of B and P in the impregnating solution on the properties of $\text{NiMo}/\text{Al}_2\text{O}_3$ catalysts for VGO hydrotreating. <i>Catalysis Today</i> , 2019, 329, 2-12.	2.2	21
29	Influence of the phosphorus addition ways on properties of CoMo -catalysts of hydrotreating. <i>Catalysis Today</i> , 2019, 329, 13-23.	2.2	25
30	Influence of USY zeolite recrystallization on physicochemical properties and catalytic performance of $\text{NiMo}/\text{USY}/\text{Al}_2\text{O}_3$ hydrocracking catalysts. <i>Catalysis Today</i> , 2019, 329, 108-115.	2.2	43
31	Effect of citric acid and triethylene glycol addition on the reactivation of $\text{CoMo}/\text{Al}_2\text{O}_3$ hydrotreating catalysts. <i>Catalysis Today</i> , 2019, 329, 35-43.	2.2	10
32	The Effect of Transition Alumina (Al_2O_3) on the Activity and Stability of Chromia/Alumina Catalysts. Part I: Model Catalysts and Aging Conditions. <i>Energy Technology</i> , 2019, 7, 1800735.	1.8	4
33	The Effect of Transition Alumina (Al_2O_3) on the Activity and Stability of Chromia/Alumina Catalysts. Part II: Industrial-Like Catalysts and Real Plant Aging Conditions. <i>Energy Technology</i> , 2019, 7, 1800736.	1.8	2
34	Guard bed catalysts for silicon removal during hydrotreating of middle distillates. <i>Catalysis Today</i> , 2019, 329, 53-62.	2.2	24
35	Hydrocracking of vacuum gas oil over $\text{NiMo}/\text{zeolite}/\text{Al}_2\text{O}_3$: Influence of zeolite properties. <i>Fuel</i> , 2019, 237, 178-190.	3.4	56
36	Hydrocracking of Vacuum Gasoil on $\text{NiMo}/\text{AAS}/\text{Al}_2\text{O}_3$ Catalysts Prepared from Citric Acid: Effect of the Catalyst Heat Treatment Temperature. <i>Catalysis in Industry</i> , 2018, 10, 29-40.	0.3	3

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37	Reactivation of CoMo/Al ₂ O ₃ Hydrotreating Catalysts by Citric Acid. <i>Catalysis Letters</i> , 2018, 148, 1525-1534.	1.4	20
38	CoMo/Al ₂ O ₃ hydrotreating catalysts of diesel fuel with improved hydrodenitrogenation activity. <i>Catalysis Today</i> , 2018, 307, 73-83.	2.2	36
39	CoMoB/Al ₂ O ₃ catalysts for hydrotreating of diesel fuel. The effect of the way of the boron addition to a support or an impregnating solution. <i>Catalysis Today</i> , 2018, 305, 192-202.	2.2	24
40	Effect of thermal treatment on morphology and catalytic performance of NiW/Al ₂ O ₃ catalysts prepared using citric acid as chelating agent. <i>Catalysis Today</i> , 2018, 305, 162-170.	2.2	19
41	Amorphous silica-alumina "perspective supports for selective hydrotreating of FCC gasoline: Influence of Mg. <i>Applied Catalysis B: Environmental</i> , 2018, 223, 22-35.	10.8	23
42	Hydrocracking of vacuum gas oil over NiMo/Y-Al ₂ O ₃ : Effect of mesoporosity introduced by zeolite Y recrystallization. <i>Catalysis Today</i> , 2018, 305, 117-125.	2.2	50
43	Effect of Method of Boron Introduction into NiMo/Al ₂ O ₃ Protective-Layer Catalysts on the Removal of Silicon from Diesel Fractions. <i>Russian Journal of Applied Chemistry</i> , 2018, 91, 2022-2029.	0.1	4
44	Screening of Granulated Catalysts for the Dehydrogenation of Light C ₄ Paraffins. <i>Catalysis in Industry</i> , 2018, 10, 110-114.	0.3	0
45	Novel eco-friendly method for preparation of mesoporous alumina from the product of rapid thermal treatment of gibbsite. <i>Superlattices and Microstructures</i> , 2018, 120, 148-160.	1.4	30
46	Influence of Temperature on the Hydrogenation of Oil Shale from the Kashpir Deposit. <i>Solid Fuel Chemistry</i> , 2018, 52, 26-29.	0.2	1
47	Hydrocracking of Vacuum Gasoil on NiMoW/AAS-Al ₂ O ₃ Trimetallic Catalysts: Effect of the W : Mo Ratio. <i>Catalysis in Industry</i> , 2018, 10, 20-28.	0.3	5
48	Hydrogenation of Bituminous Sand. <i>Solid Fuel Chemistry</i> , 2018, 52, 110-115.	0.2	0
49	NiMo/USY-Alumina Catalysts with Different Zeolite Content for Vacuum Gas Oil Hydrocracking Over Stacked Beds. , 2018, , 319-328.		1
50	Catalyst for selective hydrotreating of catalytic cracking gasoline without preliminary fractionation. <i>Catalysis in Industry</i> , 2017, 9, 230-238.	0.3	4
51	Reactivation of an industrial batch of CoMo/Al ₂ O ₃ catalyst for the deep hydrotreatment of oil fractions. <i>Catalysis in Industry</i> , 2017, 9, 136-145.	0.3	1
52	Reactivation of CoMo/Al ₂ O ₃ hydrotreating catalysts with chelating agents. <i>Russian Journal of Applied Chemistry</i> , 2017, 90, 1425-1432.	0.1	4
53	Effect of Composition and Texture Characteristics of NiMo/Al ₂ O ₃ Guard-Bed Catalysts on Silicon Removal from Diesel Fractions. <i>Petroleum Chemistry</i> , 2017, 57, 1165-1168.	0.4	2
54	Hydroconversion of Oil Shale on Natural Mineral Matrices. <i>Petroleum Chemistry</i> , 2017, 57, 1169-1172.	0.4	4

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55	Catalytic Oxidative Cleaning of Gases from Toxic Nitrogen-Containing Compounds. Ecology and Industry of Russia, 2017, 21, 12-16.	0.2	0
56	Influence of the conditions of hydrogenation treatment of black oil on the yield and properties of the products obtained. Russian Journal of Applied Chemistry, 2016, 89, 254-262.	0.1	5
57	Catalysts based on amorphous aluminosilicates for selective hydrotreating of FCC gasoline to produce Euro-5 gasoline with minimum octane number loss. Catalysis Today, 2016, 271, 4-15.	2.2	28
58	Influence of boron addition to alumina support by kneading on morphology and activity of HDS catalysts. Applied Catalysis B: Environmental, 2016, 199, 23-32.	10.8	47
59	Hydroprocessing of hydrocracker bottom on Pd containing bifunctional catalysts. Catalysis Today, 2016, 271, 154-162.	2.2	26
60	CoNiMo/Al ₂ O ₃ catalysts for deep hydrotreatment of vacuum gasoil. Catalysis Today, 2016, 271, 56-63.	2.2	39
61	Catalysts and Selective Hydrotreating Processes of Catalytic Cracking Gasoline. Ecology and Industry of Russia, 2016, 20, 40-46.	0.2	0
62	Catalysts and Selective Hydrotreating Processes of Catalytic Cracking Gasoline. Ecology and Industry of Russia, 2016, 20, 50-53.	0.2	0
63	Effect of boron on acid and catalytic properties of Pd-ZSM-23/Al ₂ O ₃ catalysts in the reaction of diesel fuel hydroisomerization. Russian Journal of Applied Chemistry, 2015, 88, 1827-1838.	0.1	7
64	Hydrocracking of vacuum gas oil in the presence of catalysts NiMo/Al ₂ O ₃ amorphous aluminosilicates and NiW/Al ₂ O ₃ amorphous aluminosilicates. Russian Journal of Applied Chemistry, 2015, 88, 1969-1975.	0.1	17
65	Synthesis of NiW/Al ₂ O ₃ hydrotreating catalysts from ammonium paratungstate using chelating agents. Russian Journal of Applied Chemistry, 2015, 88, 1458-1463.	0.1	5
66	A new catalyst for the deep hydrotreatment of vacuum gas oil, a catalytic cracking feedstock. Catalysis in Industry, 2015, 7, 38-46.	0.3	13
67	A new method for reactivating the supported deep hydrotreatment CoMo/Al ₂ O ₃ and NiMo/Al ₂ O ₃ catalysts after oxidative regeneration. Catalysis in Industry, 2015, 7, 214-220.	0.3	5
68	Vacuum gasoil hydrocracking over three-layered packages consisting of supported sulfide NiMo and NiW catalysts. Catalysis in Industry, 2014, 6, 320-328.	0.3	1
69	Composition of stacked bed for VGO hydrocracking with maximum diesel yield. Catalysis Today, 2014, 220-222, 124-132.	2.2	30
70	Optimal pretreatment conditions for CoMo hydrotreatment catalysts prepared using ethylenediamine as a chelating agent. Catalysis Today, 2014, 220-222, 327-336.	2.2	14
71	Silica-alumina based nickel-molybdenum catalysts for vacuum gas oil hydrocracking aimed at a higher diesel fraction yield. Catalysis in Industry, 2014, 6, 231-238.	0.3	12
72	Supported on alumina Co-Mo hydrotreating catalysts: Dependence of catalytic and strength characteristics on the initial AlOOH particle morphology. Catalysis Today, 2014, 220-222, 66-77.	2.2	39

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73	Textural characteristics of sulphided hydrotreatment catalysts prepared using Co-Mo complex compounds. <i>Adsorption</i> , 2013, 19, 723-731.	1.4	8
74	Synthesis and characterisation of Co-Mo complexes containing the $[Co(C_2H_8N_2)_3]^{2+}$ cation and $[Mo_2O_7]^{4-}$ anion, where L is an oxalic, tartaric, citric or nitrilotriacetic acid residue. <i>Polyhedron</i> , 2012, 47, 65-72.	1.0	3
75	Deactivation and oxidative regeneration of modern catalysts for deep hydropurification of diesel fuel: Oxidative regeneration of IK-GO-1 catalyst. <i>Russian Journal of Applied Chemistry</i> , 2011, 84, 95-102.	0.1	3
76	Deactivation and oxidative regeneration of last-generation catalysts for deep hydrofining of diesel fuel: Comparison of properties of fresh and deactivated IK-GO-1 catalysts. <i>Russian Journal of Applied Chemistry</i> , 2010, 83, 2144-2151.	0.1	6
77	Modern catalysts of deep hydrotreatment in the production of low-sulfur diesel fuels at Russian oil refineries according to Euro-3 and Euro-4 standards. <i>Catalysis in Industry</i> , 2010, 2, 101-107.	0.3	2
78	Co-Mo catalysts for ultra-deep HDS of diesel fuels prepared via synthesis of bimetallic surface compounds. <i>Journal of Molecular Catalysis A</i> , 2010, 322, 80-89.	4.8	79
79	Bimetallic Co-Mo complexes: A starting material for high active hydrodesulfurization catalysts. <i>Catalysis Today</i> , 2010, 150, 196-206.	2.2	33
80	Activity and sulfidation behavior of the CoMo/Al ₂ O ₃ hydrotreating catalyst: The effect of drying conditions. <i>Catalysis Today</i> , 2010, 149, 19-27.	2.2	68
81	High-active hydrotreating catalysts for heavy petroleum feeds: Intentional synthesis of CoMo sulfide particles with optimal localization on the support surface. <i>Catalysis Today</i> , 2010, 150, 164-170.	2.2	18
82	Bimetallic Co-Mo-complexes with optimal localization on the support surface: A way for highly active hydrodesulfurization catalysts preparation for different petroleum distillates. <i>Studies in Surface Science and Catalysis</i> , 2010, , 509-512.	1.5	5
83	The superior activity of the CoMo hydrotreating catalysts, prepared using citric acid: what's the reason?. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 109-116.	1.5	23
84	The use of X-ray absorption spectroscopy for developing new-generation Co-Mo catalysts of hydrotreating of diesel fuel. <i>Doklady Physical Chemistry</i> , 2009, 424, 35-39.	0.2	3
85	Complexes forming from ammonium paramolybdate, orthophosphoric acid, cobalt or nickel nitrate, and carbamide in solution and their use in the preparation of diesel fuel hydrodesulfurization catalysts. <i>Kinetics and Catalysis</i> , 2009, 50, 867-873.	0.3	8
86	EXAFS study of oxide precursors of the high active Co-Mo hydrotreating catalysts: Effect of drying conditions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 603, 119-121.	0.7	5
87	Influence of the texture and acid-base properties of the alumina-containing support on the formation of Co(Ni)-Mo catalysts for deep hydrodesulfurization of the diesel fraction. <i>Kinetics and Catalysis</i> , 2008, 49, 791-801.	0.3	2
88	Influence of the heat treatment conditions on the activity of the CoMo/Al ₂ O ₃ catalyst for deep hydrodesulfurization of diesel fractions. <i>Kinetics and Catalysis</i> , 2008, 49, 812-820.	0.3	10
89	Manufacture of Motor Fuels on IK-30-BIMT Catalyst. <i>Chemistry and Technology of Fuels and Oils</i> , 2005, 41, 357-361.	0.2	0
90	New bifunctional zeolite-based catalyst for high octane gasoline production from hydrocarbon feedstocks with high content of sulfur. <i>Studies in Surface Science and Catalysis</i> , 2005, , 1779-1786.	1.5	2

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91	Thiophene conversion in the BIMF process. Reaction Kinetics and Catalysis Letters, 2004, 83, 187-194.	0.6	7
92	The BIMF process in a low-tonnage unit. Chemistry and Technology of Fuels and Oils, 2004, 40, 364-369.	0.2	0
93	Oxidative Addition of Hydrogen in "Reduced" Mo/Al ₂ O ₃ Catalysts. Doklady Physical Chemistry, 2003, 391, 174-177.	0.2	0
94	Oxidative addition of hydrogen in the "reduced" Mo/Al ₂ O ₃ catalysts. Reaction Kinetics and Catalysis Letters, 2003, 80, 97-103.	0.6	0
95	EXAFS study of Cu/C catalysts. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 448, 318-322.	0.7	5
96	Study of reduced Mo/Al ₂ O ₃ metathesis catalysts prepared via metal complexes. Reaction Kinetics and Catalysis Letters, 1995, 56, 143-150.	0.6	8

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