Eduard A Karakhanov

List of Publications by Citations

186 papers	1,625 citations	20 h-index	31 g-index
199 ext. papers	1,972 ext. citations	2 avg, IF	4.97 L-index

#	Paper	IF	Citations
186	Mesoporous Metal Catalysts Templated on Clay Nanotubes. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 61-69	5.1	82
185	Core/Shell Ruthenium–Halloysite Nanocatalysts for Hydrogenation of Phenol. *Industrial & Engineering Chemistry Research*, **2017**, 56, 14043-14052	3.9	69
184	Pd nanoparticles in dendrimers immobilized on silica-polyamine composites as catalysts for selective hydrogenation. *ACS Applied Materials & Interfaces*, **2014**, 6, 8807-16	9.5	58
183	Copper nanoparticles as active catalysts in hydroxylation of phenol by hydrogen peroxide. *Applied Catalysis A: General*, **2010**, 385, 62-72	5.1	47
182	Oxidative Desulfurization of Fuels Using Heterogeneous Catalysts Based on MCM-41. *Energy & Fuels*, **2018**, 32, 10898-10903	4.1	43
181	New approach for highly selective hydrogenation of phenol to cyclohexanone: Combination of rhodium nanoparticles and cyclodextrins. *Catalysis Communications*, **2016**, 73, 63-68	3.2	42
180	Catalytic cracking additives based on mesoporous MCM-41 for sulfur removal. *Fuel Processing Technology*, **2016**, 153, 50-57	7.2	34
179	Ruthenium Nanoparticles Stabilized in Cross-Linked Dendrimer Matrices: Hydrogenation of Phenols in Aqueous Media. *ChemCatChem*, **2015**, 7, 1197-1210	5.2	33
178	Ruthenium catalysts based on mesoporous aromatic frameworks for the hydrogenation of arenes. *Reaction Kinetics, Mechanisms and Catalysis*, **2016**, 117, 729-743	1.6	31
177	Palladium nanoparticles on dendrimer-containing supports as catalysts for hydrogenation of unsaturated hydrocarbons. *Molecular Catalysis*, **2017**, 440, 107-119	3.3	29
176	On the mechanism of catalytic hydroxylation of aromatic hydrocarbons by hydrogen peroxide. *Applied Organometallic Chemistry*, **1991**, 5, 445-461	3.1	28
175	Dendrimer-Stabilized Ru Nanoparticles Immobilized in Organo-Silica Materials for Hydrogenation of Phenols. *Catalysts*, **2017**, 7, 86	4	26
174	Development of micro-mesoporous materials with lamellar structure as the support of NiW catalysts. *Microporous and Mesoporous Materials*, **2018**, 263, 150-157	5.3	26
173	Oil Sludge Treatment Processes. *Chemistry and Technology of Fuels and Oils*, **2015**, 51, 506-515	0.4	25
172	Iron and copper complexes with nitrogen-containing ligands as catalysts for cyclohexane oxidation with hydrogen peroxide under mild reaction conditions. *Petroleum Chemistry*, **2012**, 52, 318-326	1.1	23
171	Hydroformylation in petroleum chemistry and organic synthesis: Implementation of the process and solving the problem of recycling homogeneous catalysts (Review). *Petroleum Chemistry*, **2015**, 55, 587-603	1.1	21
170	Core-shell nanoarchitecture: Schiff-base assisted synthesis of ruthenium in clay nanotubes. *Pure and Applied Chemistry*, **2018**, 90, 825-832	2.1	21

169	Aluminosilicates supported La-containing sulfur reduction additives for FCC catalyst: Correlation between activity, support structure and acidity. *Catalysis Today*, **2019**, 329, 135-141	5.3	21
168	Sulfide Catalysts Supported on Porous Aromatic Frameworks for Naphthalene Hydroprocessing. *Catalysts*, **2016**, 6, 122	4	20
167	Oxidative Desulfurization of Hydrocarbon Feedstock. *Russian Journal of Applied Chemistry*, **2018**, 91, 529-542	0.8	20
166	New Heterogeneous Rh-Containing Catalysts Immobilized on a Hybrid Organic-Inorganic Surface for Hydroformylation of Unsaturated Compounds. *ACS Applied Materials & Interfaces*, **2018**, 10, 26566-26573	8.5	19
165	Hydrogenation catalysts based on metal nanoparticles stabilized by organic ligands. *Russian Chemical Bulletin*, **2013**, 62, 1465-1492	1.7	19
164	Catalytic properties of transition metal salts immobilized on nanoporous silica polyamine composites II: hydrogenation. *Applied Organometallic Chemistry*, **2011**, 25, 245-254	3.1	19
163	Supramolecular catalytic systems based on calixarenes and cyclodextrins. *Macromolecular Symposia* , **2003**, 204, 159-174	0.8	19
162	Ruthenium Catalysts Templated on Mesoporous MCM-41 Type Silica and Natural Clay Nanotubes for Hydrogenation of Benzene to Cyclohexane. *Catalysts*, **2020**, 10, 537	4	17
161	Design of supramolecular metal complex catalytic systems for organic and petrochemical synthesis. *Russian Chemical Reviews*, **2005**, 74, 97-111	6.8	17
160	Selective Levulinic Acid Hydrogenation in the Presence of Hybrid Dendrimer-Based Catalysts. Part I: Monometallic. *ChemCatChem*, **2018**, 10, 222-233	5.2	16
159	Catalysts Based on Porous Polyaromatic Frameworks for Deep Oxidative Desulfurization of Model Fuel in Biphasic Conditions. *Industrial & Engineering Chemistry Research*, **2019**, 58, 20562-20572	3.9	16
158	Methylformate as replacement of syngas in one-pot catalytic synthesis of amines from olefins. *Catalysis Science and Technology*, **2014**, 4, 540-547	5.5	16
157	Molecular Recognition and Catalysis: from Macrocyclic Receptors to Molecularly Imprinted Metal Complexes. *Macromolecular Symposia*, **2006**, 235, 39-51	0.8	16
156	Oxidative desulfurization of hydrocarbon fuel with high olefin content. *Petroleum Chemistry*, **2015**, 55, 571-574	1.1	15
155	Hydrogenation of phenols in ionic liquids on rhodium nanoparticles. *Petroleum Chemistry*, **2013**, 53, 157-163	1.1	15
154	Palladium nanoparticles on dendrimer-containing supports as catalysts for hydrogenation of unsaturated hydrocarbons. *Petroleum Chemistry*, **2012**, 52, 289-298	1.1	15
153	Nanostructured Macromolecular Metal Containing Materials in Catalysis. *Macromolecular Symposia*, **2011**, 304, 55-64	0.8	15
152	Aqueous catalysis by novel macromolecule metal complexes with molecular recognition abilities. *Polymers for Advanced Technologies*, **2001**, 12, 161-168	3.2	15

151	Molecular Imprinting Technique for the Design of Cyclodextrin Based Materials and Their Application in Catalysis. *Current Organic Chemistry*, **2010**, 14, 1284-1295	1.7	15
150	Catalysts Based on Acidic SBA-15 for Deep Oxidative Desulfurization of Model Fuels. *Energy & Fuels*, **2020**, 34, 14611-14619	4.1	15
149	Platinum and palladium nanoparticles in modified mesoporous phenol–formaldehyde polymers as hydrogenation catalysts. *Petroleum Chemistry*, **2016**, 56, 109-120	1.1	15
148	Functional supramolecular systems: design and applications. *Russian Chemical Reviews*, **2021**, 90, 895-1167	6.8	15
147	Nanoheterogeneous ruthenium-containing catalysts based on dendrimers in the hydrogenation of aromatic compounds under two-phase conditions. *Petroleum Chemistry*, **2016**, 56, 491-502	1.1	14
146	Palladium Catalysts Based on Mesoporous Organic Materials in Semihydrogenation of Alkynes. *Macromolecular Symposia*, **2016**, 363, 57-63	0.8	14
145	Design of dendrimer-based nanostructured catalyst systems and their catalytic activity in hydrogenation: Synthesis of ruthenium nanoparticles immobilized in dendrimer networks. *Petroleum Chemistry*, **2010**, 50, 290-297	1.1	14
144	Molecules-Receptors: Different Approaches to Design Effective Catalysts. *Macromolecular Symposia*, **2008**, 270, 106-116	0.8	14
143	Thermo-responsive Ruthenium Dendrimer-based Catalysts for Hydrogenation of the Aromatic Compounds and Phenols. *Journal of Inorganic and Organometallic Polymers and Materials*, **2016**, 26, 1264-1279	3.2	13
142	Hydroprocessing of Aromatics Using Sulfide Catalysts Supported on Ordered Mesoporous Phenol–Formaldehyde Polymers. *Journal of Inorganic and Organometallic Polymers and Materials*, **2016**, 26, 1253-1258	3.2	12
141	Ultra-low palladium catalysts for phenylacetylene semihydrogenation: Synthesis by modified pulsed laser ablation–deposition. *Applied Catalysis A: General*, **2013**, 464-465, 253-260	5.1	12
140	Dendrimer-based catalysts in Wacker-oxidation: Unexpected selectivity to terminal double bonds. *Journal of Molecular Catalysis A*, **2009**, 297, 73-79		12
139	Thrombolytic and fibrinogenolytic properties of bioconjugate streptokinase-polyamidoamine dendrimers in vitro. *Thrombosis Research*, **2017**, 154, 50-52	8.2	11
138	Prospective Approach to the Anaerobic Bioconversion of Benzo- and Dibenzothiophene Sulfones to Sulfide. *Molecules*, **2019**, 24,	4.8	11
137	Selective hydrogenation of terminal alkynes over palladium nanoparticles within the pores of amino-modified porous aromatic frameworks. *Catalysis Today*, **2020**, 357, 176-184	5.3	11
136	Phenol and dihydroxybenzene hydrogenation catalysts based on polyamide dendrimers and rhodium species. *Petroleum Chemistry*, **2014**, 54, 412-419	1.1	10
135	Manganese and Cobalt Doped Hierarchical Mesoporous Halloysite-Based Catalysts for Selective Oxidation of p-Xylene to Terephthalic Acid. *Catalysts*, **2020**, 10, 7	4	10
134	Hydrogenation of aromatic hydrocarbons over nickel–tungsten sulfide catalysts containing mesoporous aluminosilicates of different nature. *Petroleum Chemistry*, **2016**, 56, 599-606	1.1	10

133	Bimetallic sulfide catalysts based on mesoporous organic supports in the hydrofining of light cycle oil. *Petroleum Chemistry*, **2017**, 57, 855-858	1.1	9
132	Hydrotreating of Middle-Distillate Fraction on Sulfide Catalysts Containing Crystalline Porous Aluminosilicates. *Petroleum Chemistry*, **2017**, 57, 1151-1155	1.1	9
131	Mesoporous aluminosilicates as components of gas oil cracking and higher-alkane hydroisomerization catalysts. *Petroleum Chemistry*, **2011**, 51, 151-156	1.1	9
130	Design of supramolecular metal complex catalytic systems for petrochemical and organic synthesis. *Russian Chemical Bulletin*, **2008**, 57, 780-792	1.7	9
129	Hydrogenation of aromatic hydrocarbons in the presence of dibenzothiophene over platinum-palladium catalysts based on Al-SBA-15 aluminosilicates. *Petroleum Chemistry*, **2014**, 54, 94-99	1.1	8
128	Supramolecular catalytic systems in biomimetic oxidation. *Russian Chemical Bulletin*, **2007**, 56, 621-630	1.7	8
127	Rhodium-calix[6]arene diphosphite complex as olefin hydroformylation catalyst. *Petroleum Chemistry*, **2006**, 46, 264-268	1.1	8
126	Surface active macromolecular and supramolecular complexes: design and catalysis. *Macromolecular Symposia*, **2000**, 156, 137-146	0.8	8
125	The effective hydroxylation of benzene by hydrogen peroxide in a heterophase system. *Catalysis Letters*, **1989**, 3, 31-36	2.8	8
124	Hydrotreating of Light Cycle Oil over Supported on Porous Aromatic Framework Catalysts. *Catalysts*, **2018**, 8, 397	4	8
123	Mesoporous organo-inorganic hybrid materials as hydrogenation catalysts. *Pure and Applied Chemistry*, **2017**, 89, 1157-1166	2.1	7
122	Unsaturated-compound hydrogenation nanocatalysts based on palladium and platinum particles immobilized in pores of mesoporous aromatic frameworks. *Petroleum Chemistry*, **2017**, 57, 222-229	1.1	7
121	Nickel–Tungsten and Nickel–Molybdenum Sulfide Diesel Hydrocarbon Hydrogenation Catalysts Synthesized in Pores of Aromatic Polymer Materials. *Petroleum Chemistry*, **2019**, 59, 575-580	1.1	7
120	Alternative sources of syngas for hydroformylation of unsaturated compounds. *Russian Chemical Bulletin*, **2020**, 69, 625-634	1.7	7
119	Hydrogenation of Aromatic Substrates over Dispersed Ni–Mo Sulfide Catalysts in System H2O/CO. *Petroleum Chemistry*, **2018**, 58, 528-534	1.1	7
118	Oxidation of p-Xylene. *Russian Journal of Applied Chemistry*, **2018**, 91, 707-727	0.8	7
117	Alkali Earth Catalysts Based on Mesoporous MCM-41 and Al-SBA-15 for Sulfone Removal from Middle Distillates. *ACS Omega*, **2019**, 4, 12736-12744	3.9	7
116	Ruthenium Catalysts on ZSM-5/MCM-41 Micro-Mesoporous Support for Hydrodeoxygenation of Guaiacol in the Presence of Water. *Russian Journal of Applied Chemistry*, **2019**, 92, 1170-1178	0.8	7

115	Catalytic aminomethylation of alkenes in a dimethylformamide medium. *Petroleum Chemistry*, **2012**, 52, 179-185	1.1	7
114	Hydrodearomatization catalysts based on molybdenum hexacarbonyl Mo(CO)6 supported on mesoporous aromatic frameworks. *Petroleum Chemistry*, **2017**, 57, 589-594	1.1	7
113	Synthesis of cyclic acetals by hydroformylation of oct-1-ene in the presence of polyols. *Russian Chemical Bulletin*, **2015**, 64, 943-947	1.7	7
112	Mesoporous organic Pd-containing catalysts for the selective hydrogenation of conjugated hydrocarbons. *Russian Chemical Bulletin*, **2014**, 63, 1710-1716	1.7	7
111	Hydrogenation of aromatic compounds in the presence of dibenzothiophene over bimetallic catalysts containing mesoporous aluminosilicates. *Petroleum Chemistry*, **2013**, 53, 97-101	1.1	7
110	Soluble metal–polymer catalysts in the hydrogenation of organic compounds. *Applied Organometallic Chemistry*, **1990**, 4, 1-7	3.1	7
109	Ni–Mo sulfide nanosized catalysts from water-soluble precursors for hydrogenation of aromatics under water gas shift conditions. *Pure and Applied Chemistry*, **2020**, 92, 949-966	2.1	7
108	Hydroconversion of Thiophene Derivatives over Dispersed Ni–Mo Sulfide Catalysts. *Petroleum Chemistry*, **2018**, 58, 1227-1232	1.1	7
107	Tandem Hydroformylation–Acetalization Using a Water-Soluble Catalytic System: a Promising Procedure for Preparing Valuable Oxygen-Containing Compounds from Olefins and Polyols. *Russian Journal of Applied Chemistry*, **2018**, 91, 990-995	0.8	7
106	Tandem hydroformylation/hydrogenation over novel immobilized Rh-containing catalysts based on tertiary amine-functionalized hybrid inorganic-organic materials. *Applied Catalysis A: General*, **2021**, 623, 118266	5.1	7
105	Deep Purification of Vacuum Gas Oil by the Method of Oxidative Desulfurization. *Petroleum Chemistry*, **2019**, 59, 975-978	1.1	6
104	Ethylene Hydroformylation in the Presence of Rhodium Catalysts in Hydrocarbon-Rich Media: The Stage of Combined Conversion of Refinery Gases to Oxygenates. *Petroleum Chemistry*, **2019**, 59, 1009-1016	1.1	6
103	Oxo Processes Involving Ethylene (a Review). *Petroleum Chemistry*, **2017**, 57, 1137-1140	1.1	6
102	Obtaining of highly-active catalysts of unsaturated compounds hydrogenation by using supercritical carbon dioxide. *Journal of Supercritical Fluids*, **2018**, 140, 387-393	4.2	6
101	Alkylation of phenol with olefins in the presence of catalysts based on mesoporous aromatic frameworks. *Russian Chemical Bulletin*, **2017**, 66, 39-46	1.7	6
100	Formation of ruthenium nanoparticles inside aluminosilicate nanotubes and their catalytic activity in aromatics hydrogenation: the impact of complexing agents and reduction procedure. *Pure and Applied Chemistry*, **2020**, 92, 909-918	2.1	6
99	Polymeric Heterogeneous Catalysts in the Hydroformylation of Unsaturated Compounds. *Petroleum Chemistry*, **2021**, 61, 1-14	1.1	6
98	Bizeolite Pt/ZSM-5:ZSM-12/Al2O3 catalyst for hydroisomerization of C-8 fraction with various ethylbenzene content. *Catalysis Today*, **2021**, 378, 83-95	5.3	6

97	Methyl Formate: How It Can Be Used as Formyl Group Source for Synthesis of Aldehydes via Hydroformylation?. *ChemistrySelect*, **2020**, 5, 6407-6414	1.8	5
96	Hydroconversion of Naphthalene in the Presence of NiMoS/NiWS-AlCl3 Catalyst Systems Derived from Mesoporous Aromatic Frameworks. *Chemistry and Technology of Fuels and Oils*, **2018**, 53, 879-884	0.4	5
95	Synthesis of novel promising materials via impregnation of crosslinked polymeric networks with metal complexes in supercritical carbon dioxide. *Russian Journal of Physical Chemistry B*, **2016**, 10, 1163-1165	1.2	5
94	Hydroisomerization of n-dodecane on bifunctional catalysts containing mesoporous aluminosilicates. *Petroleum Chemistry*, **2012**, 52, 228-232	1.1	5
93	Peroxide Oxidative Desulfurization of Crude Petroleum. *Petroleum Chemistry*, **2017**, 57, 1132-1136	1.1	5
92	Biphasic catalysis in petrochemical processes. *Russian Journal of General Chemistry*, **2009**, 79, 1370-1383	0.7	5
91	Oxidation of unsaturated compounds in ionic liquids with the use of cyclodextrin-containing catalytic systems. *Petroleum Chemistry*, **2007**, 47, 331-336	1.1	5
90	Palladium Catalysts Based on Porous Aromatic Frameworks, Modified with Ethanolamino-Groups, for Hydrogenation of Alkynes, Alkenes and Dienes. *Catalysts*, **2020**, 10, 1106	4	5
89	Carbon Dioxide Reforming of Methane. *Russian Journal of Applied Chemistry*, **2020**, 93, 765-787	0.8	5
88	Hybrid catalysts based on platinum and palladium nanoparticles for the hydrogenation of terpenes under slurry conditions. *Petroleum Chemistry*, **2016**, 56, 1114-1122	1.1	5
87	Cation-exchange resins in the hydroformylation–acetalization tandem reaction. *Petroleum Chemistry*, **2016**, 56, 711-716	1.1	5
86	Hydroconversion of rosin acids in the presence of Pt-containing Al–MS mesoporous aluminosilicate. *Petroleum Chemistry*, **2016**, 56, 717-723	1.1	5
85	A Nanospherical Mesoporous Ruthenium-Containing Polymer as a Guaiacol Hydrogenation Catalyst. *Petroleum Chemistry*, **2019**, 59, 1300-1306	1.1	5
84	Synthesis of ZSM-12 Zeolites with New Templates Based on Salts of Ethanolamines. *Russian Journal of Applied Chemistry*, **2018**, 91, 1957-1962	0.8	5
83	Guaiacol Hydrogenation in an Aqueous Medium in the Presence of a Palladium Catalyst Supported on a Mesoporous Dendrimer-Containing Polymer. *Petroleum Chemistry*, **2018**, 58, 407-411	1.1	5
82	Catalytic Cracking of Petroleum Feedstock in the Presence of Additives Derived from Cross-linked Mesoporous Oxides for Reduction of the Sulfur Content in Liquid Products. *Chemistry and Technology of Fuels and Oils*, **2016**, 52, 171-174	0.4	4
81	Hydroconversion of kerogen-containing raw materials into synthetic crude oil. *Solid Fuel Chemistry*, **2016**, 50, 232-237	0.7	4
80	Use of ionic liquids in cyclohexene epoxidation with hydrogen peroxide. *Petroleum Chemistry*, **2013**, 53, 110-116	1.1	4

79	Lipids of Basidial Fungi as Feedstock for Biodiesel Fuel Production. *Chemistry and Technology of Fuels and Oils*, **2015**, 51, 411-421	0.4	4
78	Oxidation of 2-naphthol in the presence of catalysts based on modified β-cyclodextrins. *Petroleum Chemistry*, **2007**, 47, 402-408	1.1	4
77	Metal Complex Catalysts for the Hydrogenation of Aromatic and Heterocyclic Compounds. *Russian Chemical Reviews*, **1985**, 54, 171-184	6.8	4
76	Metal-Free Oxidative Desulfurization Catalysts Based on Porous Aromatic Frameworks. *Industrial & Engineering Chemistry Research*, **2021**, 60, 9049-9058	3.9	4
75	Synthesis of Ni–W aromatic hydrocarbon hydrogenation catalysts by the ex situ and in situ decomposition of a precursor based on a dendrimer network. *Petroleum Chemistry*, **2016**, 56, 1107-1113	1.1	4
74	Reduction of sulfur content in shale oil by oxidative desulfurization. *Petroleum Chemistry*, **2016**, 56, 771-773	1.1	4
73	Hydroconversion of Oxidation Products of Sulfur-Containing Aromatic Compounds. *Russian Journal of Applied Chemistry*, **2018**, 91, 981-989	0.8	4
72	Ni-Based Nanoparticles on Mesoporous Silica Supports for Single-Stage Arsenic and Chlorine Removal during Diesel Fraction Hydrotreating. *ACS Omega*, **2020**, 5, 6611-6618	3.9	3
71	Nickel–molybdenum sulfide catalysts supported on an ordered mesoporous polymer for hydrogenating hydrocracking of model biaromatic petroleum compounds. *Petroleum Chemistry*, **2017**, 57, 673-677	1.1	3
70	Hybrid macromolecular iron and copper complexes in the phenol hydroxylation reaction. *Petroleum Chemistry*, **2009**, 49, 107-113	1.1	3
69	Two-phase wacker oxidation of alkenes catalyzed by water-soluble macromolecular complexes of palladium. *Macromolecular Symposia*, **1998**, 131, 87-94	0.8	3
68	Production of Aromatic Hydrocarbons from Syngas: Principles, Problems, and Prospects. *Russian Journal of Applied Chemistry*, **2020**, 93, 933-953	0.8	3
67	Physicochemical analysis of a kerogen rock (oil shale). *Moscow University Chemistry Bulletin*, **2016**, 71, 329-335	0.5	3
66	Conversion of C19–C38 n-paraffins into components of kerosene and diesel fuels on Pt-containing amorphous aluminosilicate. *Moscow University Chemistry Bulletin*, **2016**, 71, 37-44	0.5	3
65	Effect of Template Structure on the Zeolite ZSM-12 Crystallization Process Characteristics. *Petroleum Chemistry*, **2019**, 59, S60-S65	1.1	3
64	Microwave-assisted preparation and characterization of nanoscale rhenium diboride. *Ceramics International*, **2018**, 44, 22339-22344	5.1	3
63	Alkylation of Aromatic Compounds in the Presence of Catalysts Based on Mesoporous Phenol–formaldehyde Polymers. *Petroleum Chemistry*, **2018**, 58, 412-417	1.1	3
62	Hydroconversion of 2-methylnaphtalene and dibenzothiophene over sulfide catalysts in the presence of water under CO pressure. *Russian Chemical Bulletin*, **2020**, 69, 280-288	1.7	2

61	Hydrocracking of Vacuum Gas Oil on Bimetallic Ni-Mo Sulfide Catalysts Based on Mesoporous Aluminosilicate Al-HMS. *Chemistry and Technology of Fuels and Oils*, **2016**, 52, 515-526	0.4	2
60	Acid Catalysts Based on Mesoporous Aromatic Frameworks in Aldol Condensation of Furfural with Some Carbonyl Compounds. *Russian Journal of Applied Chemistry*, **2019**, 92, 857-864	0.8	2
59	Catalytic Decomposition of Methyl Formate in the Presence of Transition Metal Complexes, Phosphine Ligands and Water. *Petroleum Chemistry*, **2019**, 59, 412-419	1.1	2
58	Desulfurization of Light Distillates by Oxidation and Rectification of Gas Condensate. *Petroleum Chemistry*, **2019**, 59, 608-614	1.1	2
57	Carbonylation of methanol and dimethyl ether in ionic liquids. *Petroleum Chemistry*, **2014**, 54, 283-287	1.1	2
56	Properties of mesoporous aluminosilicates prepared with nonionic surfactants. *Moscow University Chemistry Bulletin*, **2011**, 66, 116-120	0.5	2
55	Hydroformylation of olefins catalyzed by rhodium complexes with phosphinitecalix[4]arenes. *Petroleum Chemistry*, **2007**, 47, 340-344	1.1	2
54	Alkylation of anionoid intermediates in the reaction of benzofuran with lithium in hexametapol. *Chemistry of Heterocyclic Compounds*, **1978**, 14, 15-16	1.4	2
53	Evaluation of sulfide catalysts performance in hydrotreating of oil fractions using comprehensive gas chromatography time-of-flight mass spectrometry. *Pure and Applied Chemistry*, **2020**, 92, 941-948	2.1	2
52	Ruthenium- and Palladium-Containing Catalysts Based on Mesoporous Polymer Nanospheres in Guaiacol Hydrogenation. *Petroleum Chemistry*, **2020**, 60, 1136-1140	1.1	2
51	Conversion of triglycerides to fuel hydrocarbons over a Pt□Pd/Al□HMS catalyst. *Petroleum Chemistry*, **2016**, 56, 836-840	1.1	2
50	Diesel Fraction Hydrotreating in the Presence of Nickel□Tungsten Sulfide Catalyst Particles In Situ Synthesized in Pores of Aromatic Polymers. *Petroleum Chemistry*, **2019**, 59, S66-S71	1.1	2
49	Development of Protective-Layer Catalysts for Removal of Chlorine Compounds from Diesel Fractions. *Russian Journal of Applied Chemistry*, **2018**, 91, 2040-2045	0.8	2
48	Reduction of the total sulfur content of the liquid products obtained by the extraction of oil shale (short communication). *Solid Fuel Chemistry*, **2015**, 49, 324-325	0.7	1
47	Study of the Oxidation Products of Light Oil Aromatic Compounds Using Ultrahigh Resolution Mass Spectrometry. *Chemistry and Technology of Fuels and Oils*, **2018**, 53, 891-896	0.4	1
46	Selective hydrogenation of diene hydrocarbons over palladium catalysts synthesized by modified electric field-assisted laser ablation. *Petroleum Chemistry*, **2015**, 55, 542-548	1.1	1
45	Study of processes of deactivation of cracking catalysts by heavy metals and the mechanism of their passivation. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1988**, 37, 2414-2418		1
44	Transformations of Carbon Dioxide under Homogeneous Catalysis Conditions (A Review). *Petroleum Chemistry*, **2022**, 62, 1	1.1	1

43	Hydrogenation of Alkenes on Molybdenum and Tungsten Carbides. *Theoretical Foundations of Chemical Engineering*, **2020**, 54, 1045-1051	0.9	1
42	Non-phosphorus recyclable Rh/triethanolamine catalytic system for tandem hydroformylation/hydrogenation and hydroaminomethylation of olefins under biphasic conditions. *Molecular Catalysis*, **2021**, 516, 112010	3.3	1
41	Heterogeneous Catalyst Based on Phosphine-Containing Organic Polymer for Hydroformylation of Octene-1. *Petroleum Chemistry*, **2021**, 61, 688-696	1.1	1
40	Reactive Adsorption Desulfurization of Dibenzothiophene in Presence of Mesoporous Adsorbents. *Russian Journal of Applied Chemistry*, **2021**, 94, 586-594	0.8	1
39	Synthesis of phosphine-containing dipyrromethene cobalt complexes, promising ligands for homogeneous catalysis in nanomembrane reactors. *Russian Journal of Organic Chemistry*, **2016**, 52, 1625-1631	0.7	1
38	Hydro-Oxygenation of Furfural in the Presence of Ruthenium Catalysts Based on Al-HMS Mesoporous Support. *Russian Journal of Applied Chemistry*, **2019**, 92, 1306-1315	0.8	1
37	One-pot synthesis of short-chain cyclic acetals via tandem hydroformylation–acetalization under biphasic conditions. *Reaction Chemistry and Engineering*, **2021**, 6, 839-844	4.9	1
36	Peroxide-Assisted Oxidative Desulfurization of Nonhydrotreated Vacuum Gas Oil. *Theoretical Foundations of Chemical Engineering*, **2018**, 52, 894-897	0.9	1
35	Development of NiMo Sorption-Catalytic Materials for Removing Arsenic Compounds from Middle Distillates. *Russian Journal of Applied Chemistry*, **2018**, 91, 1688-1693	0.8	1
34	Properties of Bioconjugates of Streptokinase with Anionic Polyamidoamine Dendrimers of Various Generations. *Russian Journal of Bioorganic Chemistry*, **2018**, 44, 528-537	1	1
33	Crystallization of Zeolites in the Presence of Diquaternary Alkylammonium Salts Derived from Dimethylethanolamine. *Petroleum Chemistry*, **2021**, 61, 815-824	1.1	1
32	Pt and Ru Catalysts Based on Porous Aromatic Frameworks for Hydrogenation of Lignin Biofuel Components. *Petroleum Chemistry*, **2021**, 61, 711-720	1.1	1
31	New Type of Catalyst for Efficient Aerobic Oxidative Desulfurization Based On Tungsten Carbide Synthesized by the Microwave Method.. *ACS Omega*, **2022**, 7, 11788-11798	3.9	1
30	Hydrogenation of Unsaturated Hydrocarbons on Platinum and Palladium Catalysts Encapsulated in Mesoporous Bakelites. *Chemistry and Technology of Fuels and Oils*, **2017**, 53, 318-332	0.4	0
29	Catalytic alkylation of benzofurans. *Chemistry of Heterocyclic Compounds*, **1971**, 7, 953-955	1.4	0
28	Catalytic alkylation of benzofurans. *Chemistry of Heterocyclic Compounds*, **1971**, 7, 956-958	1.4	0
27	Catalytic alkylation of p-cresol with dipropenyl. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1963**, 12, 2059-2060		0
26	Biphenyl Hydrogenation with Syngas for Hydrogen Purification and Transportation: Performance of Dispersed Catalytic Systems Based on Transition Metal Sulfides. *Petroleum Chemistry*, **2021**, 61, 1131-1137	1.1	0

25	Functionalization strategy influences the porosity of amino-containing porous aromatic frameworks and the hydrogenation activity of palladium catalysts synthesized on their basis. *Molecular Catalysis*, **2021**, 112012	3.3	0
24	Cyclohexene Epoxidation Catalysts Based on Porous Aromatic Frameworks. *Petroleum Chemistry*, **2020**, 60, 1087-1093	1.1	0
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