A L Maximov

List of Publications by Year
in descending order

360	4,929	132226	206021
papers	citations	32 h-index	48 g-index

372	372	372	5874
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carbon dioxide hydrogenation combined with an oxidative methane carbonylation over CeO2-HZSM-5 catalyst for acetic acid production. Inorganic Chemistry Communication, 2024, 159, 111697.	4.0	0
2	Ruthenium catalysts based on porous aromatic frameworks synthesized by modified impregnation methods for hydrogenation of levulinic acid and its esters. Materials Today Sustainability, 2024, 25, 100637.	4.3	1
3	Carbon dioxide and "methanol" economy: advances in the catalytic synthesis of methanol from CO₂. Russian Chemical Reviews, 2024, 93, RCR5101.	6.9	3
4	Study the Effect of Acid Leaching Treatment on the Catalytic Activity of Chitosan-Based Iron Catalyst in Fischerâ€“Tropsch Synthesis. Petroleum Chemistry, 2024, 64, 109-121.	1.4	0
5	Methanol to Aromatics on Hybrid Structure Zeolite Catalysts. Catalysts, 2024, 14, 461.	3.6	0
6	Synthesis of acrylic acid and acrylates from CO₂ and ethylene â€” the thorny way from a dream to the reality. Russian Chemical Reviews, 2024, 93, RCR5147.	6.9	0
7	Synthesis and Investigation of Zeolite TiO2/Al-ZSM-12 Structure and Properties. Catalysts, 2023, 13, 216.	3.6	4
8	Special Issue â€œHeavy Oil In Situ Upgrading and Catalysisâ€• Catalysts, 2023, 13, 99.	3.6	5
9	Guaiacol to Aromatics: Efficient Transformation over In Situ-Generated Molybdenum and Tungsten Oxides. Catalysts, 2023, 13, 263.	3.6	2
10	Use of Dimethyl Ether in Technologies for Enhancing the Oil Recovery from Reservoirs (A Review). Petroleum Chemistry, 2023, 63, 67-73.	1.4	2
11	Epoxidation of Olefins in the Presence of Molybdenum Catalysts based on Porous Aromatic Frameworks. Petroleum Chemistry, 2023, 63, 327-335.	1.4	3
12	Dimethyl Ether to Olefins on Hybrid Intergrowth Structure Zeolites. Catalysts, 2023, 13, 570.	3.6	5
13	Hybrid Plasma-Catalytic CO2 Dissociation over Basic Metal Oxides Combined with CeO2. Processes, 2023, 11, 1553.	2.8	3
14	Mechanisms of Low-Temperature Processes of Biomass Conversion (A Review). Petroleum Chemistry, 2023, 63, 633-647.	1.4	3
15	Selective Hydrodeoxygenation of Guaiacol to Cyclohexane over Ru-Catalysts Based on MFI Nanosheets. Micro, 2023, 3, 610-619.	2.0	2
16	PET Waste Recycling into BTX Fraction Using In Situ Obtained Nickel Phosphide. Polymers, 2023, 15, 2248.	4.6	7
17	Direct synthesis of alkoxysilanes: current state, challenges and prospects. Russian Chemical Reviews, 2023, 92, RCR5081.	6.9	3
18	Direct Homogeneous Synthesis of Compounds with Two O Atoms and Long-Chain Hydrocarbons from CO and H2: Coâ€“Ru/N-methylpyrrolidone Catalyst. Molecules, 2023, 28, 6341.	3.9	0

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19	Hydrogenation of Lignocellulosic Biomass-Derived Furfural over Ruthenium and Nickel Catalysts Supported on Mesoporous Aluminosilicate. Petroleum Chemistry, 2023, 63, 655-662.	1.4	1
20	Hydrogen Separation from Gas Mixtures by Its Chemical Storage via Hydrogenation of Aromatic Compounds over Dispersed Niâ€“Moâ€“Sulfide Catalysts. Petroleum Chemistry, 2023, 63, 674-682.	1.4	0
21	Bifunctional MoS2/Al2O3-Zeolite Catalysts in the Hydroprocessing of Methyl Palmitate. International Journal of Molecular Sciences, 2023, 24, 14863.	4.2	1
22	Hydrogenation of CO2 over Biochar-Supported Catalysts. Petroleum Chemistry, 2023, 63, 443-452.	1.4	2
23	Methyl and Ethyl Ethers of Glycerol as Potential Green Low-Melting Technical Fluids. Molecules, 2023, 28, 7483.	3.9	0
24	Effects of Reaction Mixture Composition and Synthesis Parameters on the Physicochemical Properties of ZSM-48 Zeolites (A Review): Part 1.. Petroleum Chemistry, 2023, 63, 844-865.	1.4	0
25	Investigation of Rh/NR3 catalytic systems in sequential stages of reductive hydroformylation engaging in situ X-ray absorption spectroscopy. Journal of Catalysis, 2023, 428, 115194.	6.5	4
26	Hydrodeoxygenation of Lignin-Based Compounds over Ruthenium Catalysts Based on Sulfonated Porous Aromatic Frameworks. Polymers, 2023, 15, 4618.	4.6	5
27	Greenhouse Gas Conversion into Hydrocarbons and Oxygenates Using Low Temperature Barrier Discharge Plasma Combined with Zeolite Catalysts. Gases, 2023, 3, 165-180.	1.9	0
28	Effect of Quinoline Additions on the Activity of In Situ Formed NiWS Catalysts. Petroleum Chemistry, 2023, 63, 939-948.	1.4	0
29	Carbon Dioxide Utilization Using Plasma Reactor Packed with Magnesia-Ceria Catalysts with Various Morphology. Petroleum Chemistry, 2023, 63, 1097-1109.	1.4	0
30	Hydrodecyclization of Naphthenes over Iridium-Containing Zeolite Catalysts. Petroleum Chemistry, 2023, 63, 1080-1086.	1.4	0
31	The green chemistry paradigm in modern organic synthesis. Russian Chemical Reviews, 2023, 92, RCR5104.	6.9	11
32	Hydrogenation of Đ¡Đž2 into Hydrocarbons on Bifunctional Catalysts. Petroleum Chemistry, 2023, 63, 1235-1243.	1.4	0
33	One-Step Synthesis of Liquid Hydrocarbons from CO2 Using Hybrid Intergrowth Structure Zeolites. Petroleum Chemistry, 2023, 63, 1219-1227.	1.4	0
34	The green chemistry paradigm in modern organic synthesis. Russian Chemical Reviews, 2023, 92, RCR5104.	6.9	0
35	Hydrogenation of Furfural on Pt- and Pd-Containing Catalysts in an Aqueous Medium. Russian Journal of Applied Chemistry, 2023, 96, 953-961.	0.5	0
36	Design and preparation of liquid polycyclic norbornanes as potential high performance fuels for aerospace propulsion. Fuel Processing Technology, 2022, 225, 107056.	7.3	17

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37	Functionalization strategy influences the porosity of amino-containing porous aromatic frameworks and the hydrogenation activity of palladium catalysts synthesized on their basis. Molecular Catalysis, 2022, 517, 112012.	2.1	6
38	Acetone reaction pathways as a model bio-oxygenate in a hydrocarbon medium on zeolite Y and ZSM-5 catalysts: Isotope labeling study. Chemical Engineering Journal, 2022, 431, 134228.	13.0	7
39	Synergy of Acidity and Morphology of Micro-/Mesoporous Materials in the Solid-Acid Alkylation of Toluene with 1-Decene. Industrial & Engineering Chemistry Research, 2022, 61, 1994-2009.	3.8	12
40	Modern Methods for Producing Acetic Acid from Methane: New Trends (A Review). Petroleum Chemistry, 2022, 62, 40-61.	1.4	7
41	Transformations of Carbon Dioxide under Homogeneous Catalysis Conditions (A Review). Petroleum Chemistry, 2022, 62, 1-39.	1.4	14
42	Heterogeneous Dendrimer-Based Catalysts. Polymers, 2022, 14, 981.	4.6	11
43	Hydrocarbon Oxidation Depth: H2O2/Cu2Cl4Â·2DMG/CH3CN System. Catalysts, 2022, 12, 409.	3.6	1
44	Advances in the Chemistry of Unsaturated Adamantane Derivatives (A Review). Petroleum Chemistry, 2022, 62, 352-375.	1.4	2
45	Hydrodeoxygenation of guaiacol via in situ H2 generated through a water gas shift reaction over dispersed NiMoS catalysts from oil-soluble precursors: Tuning the selectivity towards cyclohexene. Applied Catalysis B: Environmental, 2022, 312, 121403.	20.7	31
46	Supramolecular Effects and Systems in Catalysis. A Review. Doklady Chemistry, 2022, 502, 1-27.	0.9	4
47	Promising Approaches to Carbon Dioxide Processing Using Heterogeneous Catalysts (A Review). Petroleum Chemistry, 2022, 62, 445-474.	1.4	10
48	Effects of MTW Zeolite Crystallite Morphology on Product Formation in Isomerization of m-Xylene. Petroleum Chemistry, 2022, 62, 914-923.	1.4	2
49	Alkylation of Isobutane with Butylenes over a Zeolite Catalyst in a Slurry Bed Reactor. Petroleum Chemistry, 2022, 62, 870-878.	1.4	2
50	Modern Processes for Petrochemistry Based on Acetylene (A Review). Petroleum Chemistry, 2022, 62, 989-1026.	1.4	8
51	Phosphorus-free nitrogen-containing catalytic systems for hydroformylation and tandem hydroformylation-based reactions. Applied Catalysis A: General, 2022, 647, 118891.	4.6	14
52	Hydrogenation of Lignin Bio-Oil Components over Catalysts Based on Porous Aromatic Frameworks. Petroleum Chemistry, 2022, 62, 1096-1106.	1.4	3
53	In Situ-Generated, Dispersed Cu Catalysts for the Catalytic Hydrogenolysis of Glycerol. Molecules, 2022, 27, 8778.	3.9	0
54	Alkylation of Guaiacol with Alcohols on Porous Aromatic Frameworks Modified with Sulfo Groups. Petroleum Chemistry, 2022, 62, 1195-1203.	1.4	4

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55	Palladium Catalysts Based on Nitrogen-Containing Porous Aromatic Frameworks for Hydrogenation of Unsaturated Compounds. Petroleum Chemistry, 2022, 62, 1183-1194.	1.4	2
56	Novel Technological Paradigm of the Application of Carbon Dioxide as a C1 Synthon in Organic Chemistry: I. Synthesis of Hydroxybenzoic Acids, Methanol, and Formic Acid. Russian Journal of Organic Chemistry, 2022, 58, 1681-1711.	0.8	5
57	Features of the Mechanism of the Dimethyl Ether to Light Olefins Conversion over MgZSM-5/Al2O3: Study by Vibrational Spectroscopy Experimental and Theoretical Methods. Catalysis Letters, 2021, 151, 1309-1319.	2.7	7
58	Deep aerobic oxidative desulfurization of model fuel by Anderson-type polyoxometalate catalysts. Catalysis Communications, 2021, 149, 106256.	3.4	38
59	Dispersed Ni-Mo sulfide catalysts from water-soluble precursors for HDS of BT and DBT via in situ produced H2 under Water gas shift conditions. Applied Catalysis B: Environmental, 2021, 282, 119616.	20.7	32
60	Synthesis and properties of high-energy-density hydrocarbons based on 5-vinyl-2-norbornene. Fuel, 2021, 283, 118935.	6.6	23
61	One-pot synthesis of short-chain cyclic acetals via tandem hydroformylationâ€“acetalization under biphasic conditions. Reaction Chemistry and Engineering, 2021, 6, 839-844.	3.5	8
62	A new precursor for synthesis of nickel-tungsten sulfide aromatic hydrogenation catalyst. Molecular Catalysis, 2021, 502, 111357.	2.1	4
63	SARS-CoV-2 antibody seroprevalence in India, Augustâ€“September, 2020: findings from the second nationwide household serosurvey. The Lancet Global Health, 2021, 9, e257-e266.	6.3	163
64	The Effect of MoS2 Active Site Dispersion on Suppression of Polycondensation Reactions during Heavy Oil Hydroconversion. Catalysts, 2021, 11, 676.	3.6	9
65	Synthesis of olefins from dimethyl ether in a synthesis gas atmosphere. Catalysis Communications, 2021, 153, 106297.	3.4	12
66	Metal-Free Oxidative Desulfurization Catalysts Based on Porous Aromatic Frameworks. Industrial & Engineering Chemistry Research, 2021, 60, 9049-9058.	3.8	22
67	Synthesis of Highly Active Nanozeolites Using Methods of Mechanical Milling, Recrystallization, and Dealumination (A Review). Petroleum Chemistry, 2021, 61, 649-662.	1.4	5
68	Non-Porous Sulfonic Acid Catalysts Derived from Vacuum Residue Asphaltenes for Glycerol Valorization via Ketalization with Acetone. Catalysts, 2021, 11, 776.	3.6	5
69	Crystallization of Zeolites in the Presence of Diquaternary Alkylammonium Salts Derived from Dimethylethanolamine. Petroleum Chemistry, 2021, 61, 815-824.	1.4	2
70	Pt and Ru Catalysts Based on Porous Aromatic Frameworks for Hydrogenation of Lignin Biofuel Components. Petroleum Chemistry, 2021, 61, 711-720.	1.4	11
71	Silicoaluminophosphate Molecular Sieves SAPO-11 and SAPO-41: Synthesis, Properties, and Applications for Hydroisomerization of C16+ n-Paraffins. Part 2: Current State of Research on Methods to Control the Crystal Morphology, Dispersion, Acidic Properties, Secondary Porous Structure, and Catalytic Properties of SAPO-11 and SAPO-41 in Hydroisomerization of C16+ n-Paraffins (A Review). Petroleum Chemistry, 2021, 61, 852-870.	1.4	15
72	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.	4.6	26

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73	Silicoaluminophosphate Molecular Sieves SAPO-11 and SAPO-41: Synthesis, Properties, and Applications for Hydroisomerization of C16+ n-Paraffins. Part 1: Current State of Research on SAPO-11 and SAPO-41 Synthesis (A Review). Petroleum Chemistry, 2021, 61, 836-851.	1.4	13
74	The Effect of Sulfonate Groups in the Structure of Porous Aromatic Frameworks on the Activity of Platinum Catalysts Towards Hydrodeoxygenation of Biofuel Components. Petroleum Chemistry, 2021, 61, 1061-1070.	1.4	8
75	Novel Strained Alicyclic Hydrocarbons Based on 5-Methylene-2-norbornene. Petroleum Chemistry, 2021, 61, 1033-1039.	1.4	1
76	Functional supramolecular systems: design and applications. Russian Chemical Reviews, 2021, 90, 895-1107.	6.9	105
77	Bizeolite Pt/ZSM-5:ZSM-12/Al2O3 catalyst for hydroisomerization of C-8 fraction with various ethylbenzene content. Catalysis Today, 2021, 378, 83-95.	4.9	10
78	A stepwise fabrication of MFI nanosheets in accelerated mode. Catalysis Today, 2021, 378, 149-157.	4.9	10
79	Selective production of Î³-valerolactone and ethyl valerate from ethyl levulinate using unsupported nickel phosphide. Applied Catalysis A: General, 2021, 628, 118401.	4.6	5
80	Hydrogenation of Butadieneâ€“Styrene Rubber over Palladium Nanoparticles Synthesized In Situ: Selection of Stabilizer. Petroleum Chemistry, 2021, 61, 1118.	1.4	0
81	Non-phosphorus recyclable Rh/triethanolamine catalytic system for tandem hydroformylation/hydrogenation and hydroaminomethylation of olefins under biphasic conditions. Molecular Catalysis, 2021, 516, 112010.	2.1	7
82	Dual-Cycle Mechanism Based Kinetic Model for DME-to-Olefin Synthesis on HZSM-5-Type Catalysts. Catalysts, 2021, 11, 1459.	3.6	6
83	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.	1.4	2
84	Investigations on the Formation of Transition Metal Phosphides during the Hydrotreating of Light Cycle Oil. Russian Journal of Applied Chemistry, 2021, 94, 1536-1545.	0.5	3
85	Selective hydrogenation of terminal alkynes over palladium nanoparticles within the pores of amino-modified porous aromatic frameworks. Catalysis Today, 2020, 357, 176-184.	4.9	24
86	Primary and secondary reactions in the synthesis of hydrocarbons from dimethyl ether over a Pd-Zn-HZSM-5/Al2O3 catalyst. Fuel Processing Technology, 2020, 199, 106281.	7.3	19
87	Manganese and Cobalt Doped Hierarchical Mesoporous Halloysite-Based Catalysts for Selective Oxidation of p-Xylene to Terephthalic Acid. Catalysts, 2020, 10, 7.	3.6	23
88	In Situ Generated Nanosized Sulfide Ni-W Catalysts Based on Zeolite for the Hydrocracking of the Pyrolysis Fuel Oil into the BTX Fraction. Catalysts, 2020, 10, 1152.	3.6	8
89	Cyclohexene Epoxidation Catalysts Based on Porous Aromatic Frameworks. Petroleum Chemistry, 2020, 60, 1087-1093.	1.4	3
90	Palladium Catalysts Based on Porous Aromatic Frameworks, Modified with Ethanolamino-Groups, for Hydrogenation of Alkynes, Alkenes and Dienes. Catalysts, 2020, 10, 1106.	3.6	17

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91	Transition Metal Phosphides (Ni, Co, Mo, W) for Hydrodeoxygenation of Biorefinery Products (a) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.4	35
92	Processing of Oil-Tank Sludge by Hydrothermal Dispersion using polycomplexants and Amino-Acid-Salts. Chemistry and Technology of Fuels and Oils, 2020, 56, 199-204.	0.5	5
93	Chemical Conversion of Polymer Wastes into Motor Fuels and Petrochemical Raw Materials (A) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.4	7
94	Glycerol to renewable fuel oxygenates. Part II: Gasoline-blending characteristics of glycerol and glycol derivatives with C3-C4 alkyl(idene) substituents. Fuel, 2020, 280, 118585.	6.6	30
95	The Prins Reaction over Heterogeneous Catalysts (a Review). Petroleum Chemistry, 2020, 60, 723-730.	1.4	16
96	Selective Production of Light Olefins from Fischerâ€“Tropsch Synthetic Oil by Catalytic Cracking. Industrial & Engineering Chemistry Research, 2020, 59, 15875-15883.	3.8	10
97	Shape Selectivity in Hydroisomerization of n-Hexadecane over Pd Supported on Zeolites: ZSM-22, ZSM-12 and Beta. Russian Journal of Applied Chemistry, 2020, 93, 1427-1437.	0.5	6
98	Ruthenium- and Palladium-Containing Catalysts Based on Mesoporous Polymer Nanospheres in Guaiacol Hydrogenation. Petroleum Chemistry, 2020, 60, 1136-1140.	1.4	7
99	Hydroprocessing of furfural over in situ generated nickel phosphide based catalysts in different solvents. Applied Catalysis A: General, 2020, 608, 117890.	4.6	20
100	Comparison of Morphology and Physicochemical Properties of Embryonic and Nanosized ZSM-5 Zeolites and Their Use in the Dealkylation Reaction of Aromatic Hydrocarbons (a Review). Petroleum Chemistry, 2020, 60, 909-922.	1.4	1
101	Detection of Steady State Multiplicity during Dimethyl Ether Conversion Catalyzed by ZnO/Î³-Al2O3 Composite: Effect of Coke and Hydrogen Peroxide. Petroleum Chemistry, 2020, 60, 773-784.	1.4	0
102	Features of the Isobutane Alkylation with Butylenes on Zeolite Catalysts. Russian Journal of Applied Chemistry, 2020, 93, 1586-1595.	0.5	6
103	Cobalt-Containing Dispersion Catalysts for Three-Phase Fischerâ€“Tropsch Synthesis. Frontiers in Chemistry, 2020, 8, 567848.	3.7	4
104	Features of a Three-Phase One-Step Synthesis of Alcohols from Đ¡Đž and Đ2 in the Presence of Cuâ€“Co-Containing Slurries. Petroleum Chemistry, 2020, 60, 1129-1135.	1.4	0
105	The Prospects for Processing Reservoir Oil Sludge into Hydrocarbons by Low-Temperature Hydrogenation in Sorbing Electrochemical Matrices in Comparison with Conventional High-Temperature Hydrocracking. Energies, 2020, 13, 5362.	3.2	2
106	A Detergent Prepared from Iminodiacetate Derivatives of Fats and Polymucosaccharides from Base Hydrolyzates of Protein-Containing Waste. Russian Journal of Applied Chemistry, 2020, 93, 333-339.	0.5	3
107	Selective Hydrogenation of Phenylacetylene on a Pd-Containing Catalyst Based on a Polymer Layered Substrate. Russian Journal of Applied Chemistry, 2020, 93, 258-267.	0.5	1
108	Aptamers and Antisense Oligonucleotides for Diagnosis and Treatment of Hematological Diseases. International Journal of Molecular Sciences, 2020, 21, 3252.	4.2	26

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109	Pd/SAPO-41 Bifunctional Catalysts with Enhanced Pd Dispersion Prepared by Ultrasonic-Assisted Impregnation: High Selectivity for n-Hexadecane Hydroisomerization. Russian Journal of Applied Chemistry, 2020, 93, 502-511.	0.5	5
110	Methyl Formate: How It Can Be Used as Formyl Group Source for Synthesis of Aldehydes via Hydroformylation?. ChemistrySelect, 2020, 5, 6407-6414.	1.6	7
111	Peculiarities of Dispersion of Oil Raw Materials into Aqueous Solutions of Polycomplexones Surfactants. Chemistry and Technology of Fuels and Oils, 2020, 56, 124-128.	0.5	3
112	Ni-Based Nanoparticles on Mesoporous Silica Supports for Single-Stage Arsenic and Chlorine Removal during Diesel Fraction Hydrotreating. ACS Omega, 2020, 5, 6611-6618.	3.6	9
113	Conversion of Methanol to Aromatic-Rich Gasoline over High-Efficiency Bifunctional Catalysts: Green Synthesis of GaZSM-5 Zeolites via Dry-Gel Conversion Strategy. Russian Journal of Applied Chemistry, 2020, 93, 127-136.	0.5	2
114	Highly Selective MTO Reaction over a Nanosized ZSM-5 Zeolite Modified by Fe via the Low-Temperature Dielectric Barrier Discharge Plasma Method. Russian Journal of Applied Chemistry, 2020, 93, 137-148.	0.5	7
115	Halloysite as a Zeolite Catalyst Component for Converting Dimethyl Ether Into Hydrocarbons. Chemistry and Technology of Fuels and Oils, 2020, 55, 682-688.	0.5	15
116	Hydrocracking of hexadecane to jet fuel components over hierarchical Ru-modified faujasite zeolite. Fuel, 2020, 278, 118193.	6.6	23
117	The Prins condensation between i-butene and formaldehyde over modified BEA and MFI zeolites in liquid phase. Catalysis Communications, 2020, 138, 105965.	3.4	16
118	Effect of Size Factor on the Activity of Zeolites in the Liquid-Phase Cracking of Hydrocarbons. Petroleum Chemistry, 2020, 60, 30-38.	1.4	5
119	Manufacturing of Coal-Based Synthetic Jet Fuels Interchangeable with JET A-1 and T-8B Petroleum Fuels. Petroleum Chemistry, 2020, 60, 92-103.	1.4	5
120	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
121	Design and operation of a pilot plant for syngas to low-aromatic gasoline via DME. Journal of Natural Gas Science and Engineering, 2020, 78, 103288.	4.4	6
122	Catalytic Hydrogenolysis of Solketal on Bifunctional Catalysts with Production of High Octane Components of Motor Fuels. Russian Journal of Applied Chemistry, 2020, 93, 108-117.	0.5	4
123	Bio-Based Solvents and Gasoline Components from Renewable 2,3-Butanediol and 1,2-Propanediol: Synthesis and Characterization. Molecules, 2020, 25, 1723.	3.9	15
124	Synthesis of liquid hydrocarbons enriched with triptane via dimethyl ether conversion over combined catalyst. Russian Chemical Bulletin, 2020, 69, 691-696.	1.7	2
125	Complexation of Thiophene Compounds with Transition Metals as the Key to Understanding the Mechanisms of Desulfurization of Petroleum Products (Review). Petroleum Chemistry, 2020, 60, 155-165.	1.4	6
126	An overview of commonalities in the mechanisms underlying gambling and substance use disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 101, 109944.	5.0	9

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127	The mechanism of promoter-induced zeolite nanosheet crystallization under hydrothermal and microwave irradiation conditions. Inorganic Chemistry Frontiers, 2020, 7, 1400-1410.	6.0	16
128	Composite Membranes Based on the Poly(1-trimethylsylyl-1-propine): Influence of the Porous Aromatic Frameworks Produced from the Friedelâ€“Crafts Reaction and Introduced into the Polymer Matrix. Russian Journal of Applied Chemistry, 2020, 93, 252-257.	0.5	4
129	Niâ€“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.	2.0	17
130	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.	2.0	2
131	Particular kinetic patterns of heavy oil feedstock hydroconversion in the presence of dispersed nanosize MoS₂. Pure and Applied Chemistry, 2020, 92, 1111-1121.	2.0	2
132	The 18th IUPAC International Symposium Macromolecular-Metal Complexes (10â€“13 June,) Tj ETQq0 0 0 rgBT /Overlock 1	2.0	0
133	Ultrafine metal-polymer catalysts based on polyconjugated systems for Fischerâ€“Tropsch synthesis. Pure and Applied Chemistry, 2020, 92, 977-984.	2.0	1
134	Alkali Earth Catalysts Based on Mesoporous MCM-41 and Al-SBA-15 for Sulfone Removal from Middle Distillates. ACS Omega, 2019, 4, 12736-12744.	3.6	11
135	Ex-Situ Synthesis and Study of Nanosized Mo-Containing Catalyst for Petroleum Residue Hydro-Conversion. Catalysts, 2019, 9, 649.	3.6	7
136	Effect of Binder on the Properties of MWW Zeolite Catalysts in Benzene Alkylation with Propylene. Petroleum Chemistry, 2019, 59, 695-700.	1.4	12
137	Effect of Chemical Composition of Zeolite Catalysts on Their Catalytic Properties in Isobutane Alkylation with Butylenes. Petroleum Chemistry, 2019, 59, 706-710.	1.4	0
138	MWW-Type Zeolites: MCM-22, MCM-36, MCM-49, and MCM-56 (A Review). Petroleum Chemistry, 2019, 59, 788-801.	1.4	30
139	Catalytic Decomposition of Methyl Formate in the Presence of Transition Metal Complexes, Phosphine Ligands and Water. Petroleum Chemistry, 2019, 59, 412-419.	1.4	3
140	Synthesis of C2â€“C4 olefins from methanol as a product of methane partial oxidation over zeolite catalyst. Catalysis Communications, 2019, 129, 105744.	3.4	7
141	Catalysts Based on Porous Polyaromatic Frameworks for Deep Oxidative Desulfurization of Model Fuel in Biphasic Conditions. Industrial & Engineering Chemistry Research, 2019, 58, 20562-20572.	3.8	26
142	Catalytic system based on nickel(II) acetate and hypophosphorous acid for the selective hydrodeoxygenation of guaiacol. Mendeleev Communications, 2019, 29, 550-552.	1.7	7
143	Diamondoids in Oil and Gas Condensates (Review). Petroleum Chemistry, 2019, 59, 1108-1117.	1.4	10
144	A possible role of paramagnetic states of iron carbides in the fischerâ€“tropsch synthesis selectivity of nanosized slurry catalysts. Journal of Catalysis, 2019, 380, 32-42.	6.5	8

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145	Assessment of the Activity of Dispersed Catalysts in Hydrocracking Reactions of Hydrocarbonaceous Feedstock. Petroleum Chemistry, 2019, 59, 968-974.	1.4	6
146	Hydrogenated Styreneâ€“Diene Copolymers as Thickening Additives to Lubricating Oils. Russian Journal of Applied Chemistry, 2019, 92, 1179-1189.	0.5	4
147	Hydrogenation of Indeneâ€“Coumarone Resin on Palladium Catalysts for Use in Polymer Adhesives. Russian Journal of Applied Chemistry, 2019, 92, 1143-1152.	0.5	9
148	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.	0.5	14
149	Synthesis and Use of Hydrogenated Polymers. Russian Journal of Applied Chemistry, 2019, 92, 715-733.	0.5	7
150	Conversion of Oxygenates to Aromatic Hydrocarbons on a Commercial Zeolite Catalyst: Comparison of Ethanol and Dimethyl Ether. Russian Journal of Applied Chemistry, 2019, 92, 918-923.	0.5	7
151	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.	1.4	9
152	Mechanism of Fischerâ€“Tropsch Synthesis over Nanosized Catalyst Particles: Approaches and Problems of Ab Initio Calculations. Petroleum Chemistry, 2019, 59, 485-497.	1.4	6
153	Friedel-Crafts Synthesis of New Porous Aromatic Frameworks for Stabilizing Gas Transport Properties of Highly Permeable Glassy Polymers. Russian Journal of Applied Chemistry, 2019, 92, 199-207.	0.5	7
154	Activity of Zeolites of Different Types in n-Alkane Cracking in a Three-Phase Reactor. Petroleum Chemistry, 2019, 59, 596-602.	1.4	1
155	Nickelâ€“Tungsten and Nickelâ€“Molybdenum Sulfide Diesel Hydrocarbon Hydrogenation Catalysts Synthesized in Pores of Aromatic Polymer Materials. Petroleum Chemistry, 2019, 59, 575-580.	1.4	8
156	Dimethyl Ether to Olefins over Modified ZSM-5 Based Catalysts Stabilized by Hydrothermal Treatment. Catalysts, 2019, 9, 485.	3.6	15
157	Theoretical Study of the Mechanism of Catalytic Alkylation of Adamantane with 2,2,4-Trimethylpentane Cracking Products. Petroleum Chemistry, 2019, 59, 66-70.	1.4	5
158	Properties of Nanosized Cobalt-Molybdenum Sulfide Catalyst Formed In Situ from Sulfonium Thiosalt. Petroleum Chemistry, 2019, 59, 504-510.	1.4	10
159	Application of Extended Irreversible Thermodynamics to Nanosized Systems: Effect of Diffusion and Chemical Reactions on the Properties of Niâ€“W Sulfide Catalysts. Petroleum Chemistry, 2019, 59, 518-528.	1.4	1
160	The Role of Zeolite Catalysis in Modern Petroleum Refining: Contribution from Domestic Technologies. Petroleum Chemistry, 2019, 59, 247-261.	1.4	31
161	Thermal depolymerization of polystyrene in highly aromatic hydrocarbon medium. Journal of Analytical and Applied Pyrolysis, 2019, 142, 104612.	5.6	21
162	Hydroprocessing of Vacuum Gas Oil on NiMo Sulfide Catalyst Supported on an Ordered Mesoporous Polymer. Russian Journal of Applied Chemistry, 2019, 92, 300-303.	0.5	0

#	Article	IF	Citations
163	The Joint Synthesis of 1,2-Propylene Glycol and Isopropyl Alcohol by the Copper-Catalyzed Hydrogenolysis of Solketal. ACS Sustainable Chemistry and Engineering, 2019, 7, 9330-9341.	6.9	8
164	Selective semi-hydrogenation of phenyl acetylene by Pd nanocatalysts encapsulated into dendrimer networks. Molecular Catalysis, 2019, 469, 98-110.	2.1	25
165	Synaptotagmin-11 mediates a vesicle trafficking pathway that is essential for development and synaptic plasticity. Genes and Development, 2019, 33, 365-376.	5.9	51
166	A Knowledge-Driven Approach for 3D High Temporal-Spatial Measurement of an Arbitrary Contouring Error of CNC Machine Tools Using Monocular Vision. Sensors, 2019, 19, 744.	4.0	13
167	Dendrimerâ€Encapsulated Pd Nanoparticles, Immobilized in Silica Pores, as Catalysts for Selective Hydrogenation of Unsaturated Compounds. ChemistryOpen, 2019, 8, 358-381.	2.2	22
168	Glycerol to renewable fuel oxygenates. Part I: Comparison between solketal and its methyl ether. Fuel, 2019, 249, 486-495.	6.6	34
169	A Nanospherical Mesoporous Ruthenium-Containing Polymer as a Guaiacol Hydrogenation Catalyst. Petroleum Chemistry, 2019, 59, 1300-1306.	1.4	7
170	Effect of Template Structure on the Zeolite ZSM-12 Crystallization Process Characteristics. Petroleum Chemistry, 2019, 59, S60-S65.	1.4	6
171	Diesel Fraction Hydrotreating in the Presence of Nickelâ€“Tungsten Sulfide Catalyst Particles In Situ Synthesized in Pores of Aromatic Polymers. Petroleum Chemistry, 2019, 59, S66-S71.	1.4	2
172	Kinetics of Hydrogenolysis of Glycerol into 1,2-Propylene Glycol on a Copper Catalyst. Kinetics and Catalysis, 2019, 60, 802-807.	1.1	5
173	Effect of the Textural Characteristics of Zeolite Catalysts on the Main Indicators of Isobutane Alkylation with Butylenes. Petroleum Chemistry, 2019, 59, S95-S100.	1.4	1
174	Cationic Oligomerization of Octene Fraction under Flow Conditions. Petroleum Chemistry, 2019, 59, 1264-1268.	1.4	3
175	Influence of Morphology of Zeolite Catalysts on the Main Indicators of the Isobutane Alkylation Reaction with Butylenes. Petroleum Chemistry, 2019, 59, 1213-1219.	1.4	3
176	Production of Ethylene from Ethane Fraction by a Method Alternative to Steam Cracking. Russian Journal of Applied Chemistry, 2019, 92, 1549-1557.	0.5	6
177	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.	0.5	5
178	Effect of Composition of Cobalt-Molybdenum-Containing Sulfonium Thiosalts on the Hydrogenation Activity of Nanosized Catalysts In Situ Synthesized on Their Basis. Petroleum Chemistry, 2019, 59, 1285-1292.	1.4	7
179	Hydrodeoxygenation of Palmitic and Stearic Acids on Phosphide Catalysts Obtained In Situ in Reaction Medium. Petroleum Chemistry, 2019, 59, 1326-1330.	1.4	7
180	Dimethyl Ether Conversion to Gasoline Hydrocarbons over Nanosized Zeolite Catalysts: Effect of Modifier Nature. Petroleum Chemistry, 2019, 59, 1331-1336.	1.4	6

#	Article	IF	Citations
181	Selective conversion of aromatics into cis-isomers of naphthenes using Ru catalysts based on the supports of different nature. Catalysis Today, 2019, 329, 94-101.	4.9	24
182	Mesoporous Al-HMS and Al-MCM-41 supported Ni-Mo sulfide catalysts for HYD and HDS via in situ hydrogen generation through a WGSR. Catalysis Today, 2019, 329, 156-166.	4.9	39
183	Mesoporous Metal Catalysts Templated on Clay Nanotubes. Bulletin of the Chemical Society of Japan, 2019, 92, 61-69.	3.3	91
184	Kidneys on Chips. Clinical Journal of the American Society of Nephrology: CJASN, 2019, 14, 144-146.	4.4	14
185	Toxic Effect of 2-ethyl (bicyclo[2.2.1] heptane) on Bacterial Cells. Biotekhnologiya, 2019, 35, 67-72.	0.2	4
186	Promoted catalysts for hydrogenation of bicyclic aromatic hydrocarbons obtained in situ from molybdenum and tungsten carbonyls. Petroleum Chemistry, 2018, 58, 22-31.	1.4	2
187	Microemulsion Assisted Assembly of 3D Porous S/Graphene@gâ€C₃N₄ Hybrid Sponge as Freeâ€Standing Cathodes for High Energy Density Liâ€“S Batteries. Advanced Energy Materials, 2018, 8, 1702839.	22.2	157
188	Core-shell nanoarchitecture: Schiff-base assisted synthesis of ruthenium in clay nanotubes. Pure and Applied Chemistry, 2018, 90, 825-832.	2.0	26
189	Hydrodeoxygenation of guaiacol as a model compound of bio-oil in methanol over mesoporous noble metal catalysts. Applied Catalysis A: General, 2018, 553, 24-35.	4.6	81
190	Hydrogenation of petroleum resins in the presence of supported sulfide catalysts. Petroleum Chemistry, 2018, 58, 48-55.	1.4	15
191	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.	0.5	2
192	Aging of thin-film composite membranes based on PTMSP loaded with porous aromatic frameworks. Journal of Membrane Science, 2018, 554, 211-220.	8.3	54
193	Selective Levulinic Acid Hydrogenation in the Presence of Hybrid Dendrimerâ€Based Catalysts. Part I: Monometallic. ChemCatChem, 2018, 10, 222-233.	3.8	25
194	Development of micro-mesoporous materials with lamellar structure as the support of NiW catalysts. Microporous and Mesoporous Materials, 2018, 263, 150-157.	4.5	34
195	Hydroconversion of Thiophene Derivatives over Dispersed Niâ€“Mo Sulfide Catalysts. Petroleum Chemistry, 2018, 58, 1227-1232.	1.4	9
196	Effect of Additives on the Activity of Nickelâ€“Tungsten Sulfide Hydroconversion Catalysts Prepared In Situ from Oil-Soluble Precursors. Catalysts, 2018, 8, 644.	3.6	16
197	Hydrogenation of Polymeric Petroleum Resins in the Presence of Unsupported Sulfide Catalysts Synthesized from Water-Soluble Precursors. Petroleum Chemistry, 2018, 58, 1192-1197.	1.4	7
198	Development of Protective-Layer Catalysts for Removal of Chlorine Compounds from Diesel Fractions. Russian Journal of Applied Chemistry, 2018, 91, 2040-2045.	0.5	4

#	Article	IF	Citations
199	Development of Technologies for More Efficient Deep Processing of Natural Gas. Russian Journal of Applied Chemistry, 2018, 91, 1922-1936.	0.5	6
200	Synthesis of ZSM-12 Zeolites with New Templates Based on Salts of Ethanolamines. Russian Journal of Applied Chemistry, 2018, 91, 1957-1962.	0.5	10
201	Evaluation of the Hydrodesulfurization Activity in Development of Catalysts for Demetallization of Heavy Petroleum Feedstock. Russian Journal of Applied Chemistry, 2018, 91, 2046-2051.	0.5	3
202	Naphthalene Hydrogenation over Catalysts Formed In Situ from Ruthenium-Containing Thiosalts. Petroleum Chemistry, 2018, 58, 1213-1220.	1.4	0
203	Isomerization of Xylenes in the Presence of Pt-Containing Catalysts Based on Halloysite Aluminosilicate Nanotubes. Russian Journal of Applied Chemistry, 2018, 91, 1353-1362.	0.5	21
204	Production of High-Density Jet and Diesel Fuels by Hydrogenation of Highly Aromatic Fractions. Russian Journal of Applied Chemistry, 2018, 91, 1223-1254.	0.5	11
205	Hydrotreating of Light Cycle Oil over Supported on Porous Aromatic Framework Catalysts. Catalysts, 2018, 8, 397.	3.6	19
206	Development of Niâ€“Mo Sorption-Catalytic Materials for Removing Arsenic Compounds from Middle Distillates. Russian Journal of Applied Chemistry, 2018, 91, 1688-1693.	0.5	1
207	Technologies for Processing of Crude Glycerol from Biodiesel Production: Synthesis of Solketal and Its Hydrolysis to Obtain Pure Glycerol. Russian Journal of Applied Chemistry, 2018, 91, 1478-1485.	0.5	20
208	Regeneration of Zeolite Catalyst for Isobutane Alkylation with Olefins. Petroleum Chemistry, 2018, 58, 827-832.	1.4	6
209	Tandem Hydroformylationâ€“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.	0.5	13
210	Hydroconversion of Oxidation Products of Sulfur-Containing Aromatic Compounds. Russian Journal of Applied Chemistry, 2018, 91, 981-989.	0.5	4
211	Stabilization of Gas Transport Properties of Composite Membranes with a Thin PTMSP Selective Layer by Adding Porous Aromatic Framework Nanoparticles and Simultaneous Polymer Crosslinking. Petroleum Chemistry, 2018, 58, 790-796.	1.4	7
212	Transacetalization of Solketal: A Greener Route to Bioglycerolâ€Based Speciality Chemicals. ChemistrySelect, 2018, 3, 9759-9766.	1.6	6
213	Synthesis of Hydrocarbon Resins by Thermal Polymerization of Unsaturated Compounds of Pyrolysis Fractions. Chemistry and Technology of Fuels and Oils, 2018, 54, 299-306.	0.5	2
214	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.	1.4	11
215	Hydrogenation of Aromatic Substrates over Dispersed Niâ€“Mo Sulfide Catalysts in System H2O/CO. Petroleum Chemistry, 2018, 58, 528-534.	1.4	11
216	Chemistry of Dimethyl Ether: Catalytic Synthesis of 1,3-Butadiene. Petroleum Chemistry, 2018, 58, 613-621.	1.4	4

#	Article	IF	Citations
217	New Heterogeneous Rh-Containing Catalysts Immobilized on a Hybrid Organicâ€“Inorganic Surface for Hydroformylation of Unsaturated Compounds. ACS Applied Materials & Interfaces, 2018, 10, 26566-26575.	8.3	36
218	Study of the Catalytic Stability of Dispersed Molybdenumâ€“Tungstenâ€“Nickel Sulfides in Bicyclic Hydrocarbon Hydrogenation Recycles. Petroleum Chemistry, 2018, 58, 564-572.	1.4	0
219	Obtaining of highly-active catalysts of unsaturated compounds hydrogenation by using supercritical carbon dioxide. Journal of Supercritical Fluids, 2018, 140, 387-393.	3.3	10
220	Activity of Supported and In Situ Synthesized Beta Zeolite Catalysts in the Hydrocracking of Vacuum Gas Oil. Petroleum Chemistry, 2018, 58, 651-658.	1.4	6
221	Kinetics of the Formation of Solketal in the Presence of Sulfuric Acid. Kinetics and Catalysis, 2018, 59, 504-508.	1.1	11
222	Oxidation of p-Xylene. Russian Journal of Applied Chemistry, 2018, 91, 707-727.	0.5	11
223	Defect-induced betavoltaic enhancement in black titania nanotube arrays. Nanoscale, 2018, 10, 13028-13036.	5.8	24
224	Catalytic activity of in situ synthesized MoWNi sulfides in hydrogenation of aromatic hydrocarbons. Russian Journal of Physical Chemistry A, 2017, 91, 205-212.	0.6	7
225	Glycerol Isopropyl Ethers: Direct Synthesis from Alcohols and Synthesis by the Reduction of Solketal. ChemCatChem, 2017, 9, 2839-2849.	3.8	17
226	Application of a portable microscopic cell counter for the counting of residual leukocytes in leukoreduced apheresis platelet concentrates in a hospital blood bank. Transfusion and Apheresis Science, 2017, 56, 427-430.	1.0	4
227	Catalysis in a dispersion medium for the hydrogenation of aromatics and hydrodearomatization in oil refining. Pure and Applied Chemistry, 2017, 89, 1145-1155.	2.0	11
228	Mesoporous organo-inorganic hybrid materials as hydrogenation catalysts. Pure and Applied Chemistry, 2017, 89, 1157-1166.	2.0	9
229	Naphthalene hydrogenation over nickelâ€“tungsten sulfide catalysts synthesized in situ from DMSOâ€“hydrocarbon medium emulsions. Petroleum Chemistry, 2017, 57, 66-70.	1.4	3
230	Oxidative functionalization of adamantanes (review). Petroleum Chemistry, 2017, 57, 183-197.	1.4	25
231	Bimetallic sulfide catalysts based on mesoporous organic supports in the hydrofining of light cycle oil. Petroleum Chemistry, 2017, 57, 855-858.	1.4	9
232	Nickelâ€“molybdenum and cobaltâ€“molybdenum sulfide hydrogenation and hydrodesulphurization catalysts synthesized in situ from bimetallic precursors. Catalysis in Industry, 2017, 9, 247-256.	0.8	9
233	Palladium nanoparticles on dendrimer-containing supports as catalysts for hydrogenation of unsaturated hydrocarbons. Molecular Catalysis, 2017, 440, 107-119.	2.1	38
234	Hydrogenation of Unsaturated Hydrocarbons on Platinum and Palladium Catalysts Encapsulated in Mesoporous Bakelites. Chemistry and Technology of Fuels and Oils, 2017, 53, 318-332.	0.5	2

#	Article	IF	Citations
235	Nickelâ€“molybdenum sulfide naphthalene hydrogenation catalysts synthesized by the in situ decomposition of oil-soluble precursors. Petroleum Chemistry, 2017, 57, 595-599.	1.4	11
236	Nickelâ€“molybdenum sulfide catalysts supported on an ordered mesoporous polymer for hydrogenatingâ€“hydrocracking of model biaromatic petroleum compounds. Petroleum Chemistry, 2017, 57, 673-677.	1.4	4
237	Hydrodearomatization catalysts based on molybdenum hexacarbonyl Mo(CO)6 supported on mesoporous aromatic frameworks. Petroleum Chemistry, 2017, 57, 589-594.	1.4	7
238	Core/Shell Rutheniumâ€“Halloysite Nanocatalysts for Hydrogenation of Phenol. Industrial & Engineering Chemistry Research, 2017, 56, 14043-14052.	3.8	86
239	Application of Zeolite Y-Based Niâ€“W Supported and In Situ Prepared Catalysts in the Process of Vacuum Gas Oil Hydrocracking. Petroleum Chemistry, 2017, 57, 1287-1294.	1.4	9
240	Hydrogenation Process for Producing Light Petroleum Resins as Adhesive and Hot-Melt Components (Review). Petroleum Chemistry, 2017, 57, 983-1001.	1.4	15
241	Hydrotreating of Middle-Distillate Fraction on Sulfide Catalysts Containing Crystalline Porous Aluminosilicates. Petroleum Chemistry, 2017, 57, 1151-1155.	1.4	13
242	Dendrimer-Stabilized Ru Nanoparticles Immobilized in Organo-Silica Materials for Hydrogenation of Phenols. Catalysts, 2017, 7, 86.	3.6	33
243	Murine Cytomegalovirus Infection Induces Susceptibility to EAE in Resistant BALB/c Mice. Frontiers in Immunology, 2017, 8, 192.	4.9	16
244	Oxo Processes Involving Ethylene (a Review). Petroleum Chemistry, 2017, 57, 1137-1140.	1.4	12
245	Hydrotreating of High-Aromatic Waste of Coke and By-Product Processes in the Presence of in Situ Synthesized Sulfide Nanocatalysts. Petroleum Chemistry, 2017, 57, 1304-1309.	1.4	2
246	Hydrogenation of Polymeric Petroleum Resins in the Presence of Unsupported Sulfide Nanocatalysts. Petroleum Chemistry, 2017, 57, 1295-1303.	1.4	11
247	Sulfide Catalysts Supported on Porous Aromatic Frameworks for Naphthalene Hydroprocessing. Catalysts, 2016, 6, 122.	3.6	22
248	Synthesis of Niâ€“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.	1.4	5
249	Hybrid catalysts based on platinum and palladium nanoparticles for the hydrogenation of terpenes under slurry conditions. Petroleum Chemistry, 2016, 56, 1114-1122.	1.4	6
250	Synthesis of polyfunctional phosphorus-containing calixarenes in cycloaddition reactions of azides to alkynes. Chemistry of Heterocyclic Compounds, 2016, 52, 1042-1053.	1.3	5
251	Choice of a catalyst and technological scheme for synthesis of solketal. Russian Journal of Applied Chemistry, 2016, 89, 1619-1624.	0.5	22
252	Conversion of triglycerides to fuel hydrocarbons over a Ptâ€“Pdâ€“Alâ€“HMS catalyst. Petroleum Chemistry, 2016, 56, 836-840.	1.4	3

#	Article	IF	Citations
253	Physicochemical analysis of a kerogen rock (oil shale). Moscow University Chemistry Bulletin, 2016, 71, 329-335.	0.6	4
254	Synthesis of phosphine-containing dipyrromethene cobalt complexes, promising ligands for homogeneous catalysis in nanomembrane reactors. Russian Journal of Organic Chemistry, 2016, 52, 1625-1631.	0.8	2
255	Preparation of Niâ€"W aromatic hydrocarbon hydrogenation catalysts by breaking reverse emulsions or suspensions of a precursor in hydrocarbon feedstock. Petroleum Chemistry, 2016, 56, 131-137.	1.4	6
256	Heterogeneous catalytic conversion of glycerol with n-butyl alcohol. Petroleum Chemistry, 2016, 56, 125-130.	1.4	18
257	Platinum and palladium nanoparticles in modified mesoporous phenolâ€"formaldehyde polymers as hydrogenation catalysts. Petroleum Chemistry, 2016, 56, 109-120.	1.4	18
258	Cation-exchange resins in the hydroformylationâ€"acetalization tandem reaction. Petroleum Chemistry, 2016, 56, 711-716.	1.4	9
259	Hydroconversion of rosin acids in the presence of Pt-containing Alâ€"HMS mesoporous aluminosilicate. Petroleum Chemistry, 2016, 56, 717-723.	1.4	5
260	Hydrogenation of aromatic hydrocarbons over nickelâ€"tungsten sulfide catalysts containing mesoporous aluminosilicates of different nature. Petroleum Chemistry, 2016, 56, 599-606.	1.4	11
261	Conversion of C19â€"C38 n-paraffins into components of kerosene and diesel fuels on Pt-containing amorphous aluminosilicate. Moscow University Chemistry Bulletin, 2016, 71, 37-44.	0.6	3
262	Hydrofining of light cycle oil over in situ synthesized nickelâ€"tungsten sulfide catalysts. Petroleum Chemistry, 2016, 56, 510-521.	1.4	1
263	Catalytic cracking additives based on mesoporous MCM-41 for sulfur removal. Fuel Processing Technology, 2016, 153, 50-57.	7.3	40
264	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.	0.5	3
265	Hydroconversion of kerogen-containing raw materials into synthetic crude oil. Solid Fuel Chemistry, 2016, 50, 232-237.	0.7	5
266	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.	1.3	5
267	Hydroprocessing of Aromatics Using Sulfide Catalysts Supported on Ordered Mesoporous Phenolâ€"Formaldehyde Polymers. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 1253-1258.	3.7	13
268	Stabilization of gas transport properties of PTMSP with porous aromatic framework: Effect of annealing. Journal of Membrane Science, 2016, 517, 80-90.	8.3	53
269	Palladium Catalysts Based on Mesoporous Organic Materials in Semihydrogenation of Alkynes. Macromolecular Symposia, 2016, 363, 57-63.	0.7	15
270	Heterogeneous catalytic conversion of glycerol to oxygenated fuel additives. Fuel, 2016, 172, 310-319.	6.6	48

#	Article	IF	Citations
271	Synthesis of nickelâ€“tungsten sulfide hydrodearomatization catalysts by the decomposition of oil-soluble precursors. Petroleum Chemistry, 2016, 56, 44-50.	1.4	35
272	Ruthenium catalysts based on mesoporous aromatic frameworks for the hydrogenation of arenes. Reaction Kinetics, Mechanisms and Catalysis, 2016, 117, 729-743.	1.7	45
273	New approach for highly selective hydrogenation of phenol to cyclohexanone: Combination of rhodium nanoparticles and cyclodextrins. Catalysis Communications, 2016, 73, 63-68.	3.4	55
274	Hydrogenation processing of oil wastes in the presence of ultrafine catalysts. Petroleum Chemistry, 2015, 55, 667-672.	1.4	4
275	Alkyne hydrogenation using Pdâ€“Ag hybrid nanocatalysts in surfaceâ€immobilized dendrimers. Applied Organometallic Chemistry, 2015, 29, 777-784.	3.6	24
276	Synthesis of cyclic acetals by hydroformylation of oct-1-ene in the presence of polyols. Russian Chemical Bulletin, 2015, 64, 943-947.	1.7	9
277	Selective hydrogenation of diene hydrocarbons over palladium catalysts synthesized by modified electric field-assisted laser ablation. Petroleum Chemistry, 2015, 55, 542-548.	1.4	3
278	Ethers and acetals, promising petrochemicals from renewable sources. Petroleum Chemistry, 2015, 55, 1-21.	1.4	36
279	Nickel-tungsten sulfide polyaromatic hydrocarbon hydrogenation nanocatalysts prepared in an ionic liquid. Petroleum Chemistry, 2015, 55, 38-44.	1.4	11
280	Ruthenium Nanoparticles Stabilized in Crossâ€Linked Dendrimer Matrices: Hydrogenation of Phenols in Aqueous Media. ChemCatChem, 2015, 7, 1197-1210.	3.8	47
281	Brain Endoplasmic Reticulum Stress Mechanistically Distinguishes the Saline-Intake and Hypertensive Response to Deoxycorticosterone Acetateâ€“Salt. Hypertension, 2015, 65, 1341-1348.	5.2	16
282	Reaction between glycerol and acetone in the presence of ethylene glycol. Petroleum Chemistry, 2015, 55, 140-145.	1.4	10
283	Nickel-tungsten sulfide aromatic hydrocarbon hydrogenation catalysts synthesized in situ in a hydrocarbon medium. Petroleum Chemistry, 2015, 55, 470-480.	1.4	17
284	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.	1.4	32
285	Flow reactor synthesis of cetane-enhancing fuel additive from 1-butanol. Fuel Processing Technology, 2015, 140, 312-323.	7.3	8
286	Palladium nanoparticles encapsulated in a dendrimer networks as catalysts for the hydrogenation of unsaturated hydrocarbons. Journal of Molecular Catalysis A, 2015, 397, 1-18.	4.8	27
287	New supramolecular synthons based on 3d transition metal complexes with bidentate bispidines: synthesis and structural, spectroscopic, and electrochemical studies. Russian Chemical Bulletin, 2014, 63, 895-911.	1.7	16
288	Phenol and dihydroxybenzene hydrogenation catalysts based on polyamide dendrimers and rhodium species. Petroleum Chemistry, 2014, 54, 412-419.	1.4	11

#	Article	IF	Citations
289	Modified mesoporous catalysts based on Al-HMS and Al-MCF for the oligomerization of Î±-olefins. Petroleum Chemistry, 2014, 54, 426-430.	1.4	6
290	Mesoporous organic Pd-containing catalysts for the selective hydrogenation of conjugated hydrocarbons. Russian Chemical Bulletin, 2014, 63, 1710-1716.	1.7	7
291	Oxidative desulfurization of diesel fraction with hydrogen peroxide in the presence of catalysts based on transition metals. Petroleum Chemistry, 2014, 54, 48-50.	1.4	26
292	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.	1.4	14
293	Oligomerization of higher Î±-olefins over catalysts containing an F-4SF perfluorinated copolymer. Petroleum Chemistry, 2014, 54, 120-127.	1.4	1
294	Pd Nanoparticles in Dendrimers Immobilized on Silicaâ€“Polyamine Composites as Catalysts for Selective Hydrogenation. ACS Applied Materials & Interfaces, 2014, 6, 8807-8816.	8.3	65
295	Hydrofining of cycle oil using modified nickel-tungsten sulfide catalysts. Petroleum Chemistry, 2014, 54, 366-373.	1.4	3
296	Carbonylation of methanol and dimethyl ether in ionic liquids. Petroleum Chemistry, 2014, 54, 283-287.	1.4	5
297	Methylformate as replacement of syngas in one-pot catalytic synthesis of amines from olefins. Catalysis Science and Technology, 2014, 4, 540-547.	4.2	19
298	Initiated conversion of ethanol to divinyl by the Lebedev reaction. Petroleum Chemistry, 2014, 54, 195-206.	1.4	20
299	A Surgical Case of Frontal Lobe Epilepsy Due to Focal Cortical Dysplasia Accompanied by Olfactory Nerve Enlargement: Case Report. Neurologia Medico-Chirurgica, 2014, 54, 593-597.	2.3	2
300	Hydrogenation of phenols in ionic liquids on rhodium nanoparticles. Petroleum Chemistry, 2013, 53, 157-163.	1.4	21
301	Use of ionic liquids in cyclohexene epoxidation with hydrogen peroxide. Petroleum Chemistry, 2013, 53, 110-116.	1.4	6
302	Forensic analysis of glass by Î¼-XRF, SN-ICP-MS, LA-ICP-MS and LA-ICP-OES: evaluation of the performance of different criteria for comparing elemental composition. Journal of Analytical Atomic Spectrometry, 2013, 28, 1270.	2.6	53
303	Hydrogenation catalysts based on metal nanoparticles stabilized by organic ligands. Russian Chemical Bulletin, 2013, 62, 1465-1492.	1.7	23
304	Paramagnetic complexes of 9,10-anthraquinone on zeolite surfaces and their thermal transformations. Russian Journal of Physical Chemistry A, 2013, 87, 1947-1951.	0.6	4
305	Ultra-low palladium catalysts for phenylacetylene semihydrogenation: Synthesis by modified pulsed laser ablationâ€“deposition. Applied Catalysis A: General, 2013, 464-465, 253-260.	4.6	14
306	Hydrogenation of aromatic compounds in the presence of dibenzothiophene over bimetallic catalysts containing mesoporous aluminosilicates. Petroleum Chemistry, 2013, 53, 97-101.	1.4	7

#	Article	IF	Citations
307	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.	1.4	23
308	Palladium nanoparticles on dendrimer-containing supports as catalysts for hydrogenation of unsaturated hydrocarbons. Petroleum Chemistry, 2012, 52, 289-298.	1.4	17
309	Catalytic aminomethylation of alkenes in a dimethylformamide medium. Petroleum Chemistry, 2012, 52, 179-185.	1.4	7
310	Hydroisomerization of n-dodecane on bifunctional catalysts containing mesoporous aluminosilicates. Petroleum Chemistry, 2012, 52, 228-232.	1.4	5
311	Nanostructured Macromolecular Metal Containing Materials in Catalysis. Macromolecular Symposia, 2011, 304, 55-64.	0.7	15
312	Binary palladium carboxylates with electron-donating and electron-withdrawing substituents in the carboxylate ligand: Synthesis and structural studies. The crystal structures of Pd3(Î¼-CH2ClCO2)6 Â·CH2Cl2, Pd3(Î¼-C6H11CO2)6, and Pd3(Î¼-CMe3CO2)6. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2011, 37, 625-634.	1.0	16
313	Catalytic system for the synthesis of cyclic ketals from glycerol and lower carbonyl compounds (High-octane fuel bioadditives). Catalysis in Industry, 2011, 3, 11-14.	0.8	8
314	Preparation of high-octane oxygenate fuel components from plant-derived polyols. Petroleum Chemistry, 2011, 51, 61-69.	1.4	68
315	Petroleum nanodiamonds: New in diamondoid naphthenes. Petroleum Chemistry, 2011, 51, 86-95.	1.4	20
316	Catalytic properties of transition metal salts immobilized on nanoporous silica polyamine composites II: hydrogenation. Applied Organometallic Chemistry, 2011, 25, 245-254.	3.6	21
317	Synthesis and multiparameter sensor properties of the crownâ€containing thiophene derivatives. Journal of Physical Organic Chemistry, 2010, 23, 246-254.	1.9	8
318	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.	1.4	16
319	Synthesis of the components of engine fuels on the basis of renewable raw materials: Trends and prospects. Petroleum Chemistry, 2010, 50, 325-331.	1.4	7
320	Niobium (V) peroxocomplexes as a catalyst of oxidation of methylphenylsulphide by hydroperoxide. Moscow University Chemistry Bulletin, 2010, 65, 380-383.	0.6	1
321	Spectroscopic and electrochemical study of dinuclear and mononuclear copper complexes with the bidentate ligand of the 2,2â€²-diquinoline series. Russian Chemical Bulletin, 2010, 59, 724-732.	1.7	4
322	Metal Ion Modulated Torsion Angle in a Ditopic Oligothiophene Ligand: Toward Supramolecular Control of Ï€ Conjugation. ChemPhysChem, 2010, 11, 3152-3160.	2.3	8
323	Copper nanoparticles as active catalysts in hydroxylation of phenol by hydrogen peroxide. Applied Catalysis A: General, 2010, 385, 62-72.	4.6	53
324	Hydroxylation of Phenol by Hydrogen Peroxide Catalyzed by Copper(II) and Iron(III) Complexes: The Structure of the Ligand and the Selectivity of ortho-Hydroxylation. Industrial & Engineering Chemistry Research, 2010, 49, 4607-4613.	3.8	57

#	Article	IF	Citations
325	Dendrimer-based catalysts in Wacker-oxidation: Unexpected selectivity to terminal double bonds. Journal of Molecular Catalysis A, 2009, 297, 73-79.	4.8	13
326	Biphasic catalysis in petrochemical processes. Russian Journal of General Chemistry, 2009, 79, 1370-1383.	0.9	9
327	Hybrid macromolecular iron and copper complexes in the phenol hydroxylation reaction. Petroleum Chemistry, 2009, 49, 107-113.	1.4	3
328	Chiral Ligands to Support Self-Assembly of [LPdCl]₃ Trimers via a Set of Secondary Interactions. Organometallics, 2009, 28, 1027-1031.	2.6	20
329	Nanocatalysts based on dendrimers. Pure and Applied Chemistry, 2009, 81, 2013-2023.	2.0	31
330	Design of supramolecular metal complex catalytic systems for petrochemical and organic synthesis. Russian Chemical Bulletin, 2008, 57, 780-792.	1.7	11
331	Moleculesâ€Receptors: Different Approaches to Design Effective Catalysts. Macromolecular Symposia, 2008, 270, 106-116.	0.7	15
332	The catalytic activity of immobilized on modified silica metalloporphyrins bearing antioxidative 2,6-di-tert-butylphenol pendants. Catalysis Communications, 2007, 8, 2069-2073.	3.4	31
333	Oxidation of unsaturated compounds in ionic liquids with the use of cyclodextrin-containing catalytic systems. Petroleum Chemistry, 2007, 47, 331-336.	1.4	6
334	Oxidation of 2-naphthol in the presence of catalysts based on modified Î²-cyclodextrins. Petroleum Chemistry, 2007, 47, 402-408.	1.4	4
335	Supramolecular catalytic systems in biomimetic oxidation. Russian Chemical Bulletin, 2007, 56, 621-630.	1.7	10
336	Mass spectrometric studies of trifluoromethylated fullerenes. International Journal of Mass Spectrometry, 2006, 251, 16-22.	1.6	19
337	Progress towards countrywide control of schistosomiasis and soil-transmitted helminthiasis in Uganda. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2006, 100, 208-215.	1.8	71
338	Molecular Recognition and Catalysis: from Macrocyclic Receptors to Molecularly Imprinted Metal Complexes. Macromolecular Symposia, 2006, 235, 39-51.	0.7	17
339	Supramolecular Catalysts on the Basis of Moleculesâ"Receptors. Industrial & Engineering Chemistry Research, 2005, 44, 8644-8653.	3.8	47
340	Supramolecular calixarene-based catalytic systems in the Wacker-oxidation of higher alkenes. Journal of Molecular Catalysis A, 2004, 217, 59-67.	4.8	28
341	Production of high density and low electron-temperature plasma by a modified grid-biasing method using inductively coupled RF discharge. Thin Solid Films, 2004, 457, 55-58.	1.9	19
342	Supramolecular catalytic systems based on calixarenes and cyclodextrins. Macromolecular Symposia, 2003, 204, 159-174.	0.7	20

#	Article	IF	Citations
343	Catalysis by Soluble Macromolecular Metal Complexes. , 2003, , 457-501.		9
344	Aqueous catalysis by novel macromolecule metal complexes with molecular recognition abilities. Polymers for Advanced Technologies, 2001, 12, 161-168.	3.2	17
345	Surface active macromolecular and supramolecular complexes: design and catalysis. Macromolecular Symposia, 2000, 156, 137-146.	0.7	9
346	New catalytic systems for selective oxidation of aromatic compounds by hydrogen peroxide. Catalysis Today, 1998, 44, 189-198.	4.9	38
347	Two-phase wacker oxidation of alkenes catalyzed by water-soluble macromolecular complexes of palladium. Macromolecular Symposia, 1998, 131, 87-94.	0.7	7
348	Molecular design of catalysts on the basis of functionalized poly(ethylene oxide) and block copolymers of ethylene oxide and propylene oxide. Macromolecular Symposia, 1996, 105, 67-74.	0.7	6
349	Macrocomplexes on the basis of functionalized polyethylene glycols and copolymers of ethylene oxide and propylene oxide: synthesis and catalysis. Journal of Molecular Catalysis A, 1996, 107, 235-240.	4.8	28
350	Ferro- and ferri-magnetism in oximato-bridged MIIICuIIchains (M = Mn and Fe). A molecular based ferromagnet with Tc= 9 K: [MnIIICuII-bis(1,2-cyclohexanedioneoximato)(acetato)(H2O)2]. Journal of the Chemical Society Chemical Communications, 1994, , 2615-2616.	2.0	34
351	Acetone Reaction Pathways as a Model Bio-oxygenate in a Hydrocarbon Medium on Zeolite Y and ZSM-5 Catalysts: In Situ FTIR Study. ACS Sustainable Chemistry and Engineering, 0, , .	6.9	4
352	Specific Features of the In Situ Formation of an Unsupported NiWS Nanosize Catalyst from Oil-Soluble Precursors. Catalysis Letters, 0, , .	2.7	0
353	SAPO-11 Molecular Sieves Synthesized from Aluminum Isopropoxide and SiO2 with Various Dispersions. Petroleum Chemistry, 0, , .	1.4	0
354	Properties of In Situ Obtained NiWS Nanocatalysts in Hydrogenation of Bicyclic Aromatics. Petroleum Chemistry, 0, , .	1.4	0
355	Hydrogenation of Furfural over Ruthenium Catalysts Supported on Porous Aromatic Frameworks. Petroleum Chemistry, 0, , .	1.4	0
356	Plasma-Assisted Carbon Dioxide Methane Reforming: Relationships of the Formation of Oxygenates on Adding a Catalyst (a Review). Petroleum Chemistry, 0, , .	1.4	0
357	Behavior of Nanocatalysts in Fischerâ€“Tropsch Synthesis in Various Types of Three-Phase Slurry Reactors. Petroleum Chemistry, 0, , .	1.4	0
358	Direct Electric Heating in Chemical Processes (A Review). Petroleum Chemistry, 0, , .	1.4	0
359	Selective Levulinic Acid Hydrogenation in Presence of Hybrid Dendrimerâ€Based Catalysts. Part II: Bimetallic. Macromolecular Chemistry and Physics, 0, , .	2.4	0
360	Dielectric Barrier Discharge Plasma Combined with Ce-Ni Mesoporous catalysts for CO2 splitting to CO. Plasma Chemistry and Plasma Processing, 0, , .	2.5	0