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List of Publications by Year
in descending order

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298 papers	3,898 citations	172207 29 h-index	276539 41 g-index
303 all docs	303 docs citations	303 times ranked	3175 citing authors

#	Article	IF	Citations
1	Mesoporous Metal Catalysts Templated on Clay Nanotubes. Bulletin of the Chemical Society of Japan, 2019, 92, 61-69.	2.0	89
2	Core/Shell Rutheniumâ€"Halloysite Nanocatalysts for Hydrogenation of Phenol. Industrial & Engineering Chemistry Research, 2017, 56, 14043-14052.	1.8	83
3	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.	2.2	74
4	Preparation of high-octane oxygenate fuel components from plant-derived polyols. Petroleum Chemistry, 2011, 51, 61-69.	0.4	67
5	Pd Nanoparticles in Dendrimers Immobilized on Silicaâ€"Polyamine Composites as Catalysts for Selective Hydrogenation. ACS Applied Materials & Interfaces, 2014, 6, 8807-8816.	4.0	65
6	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.	1.8	56
7	Copper nanoparticles as active catalysts in hydroxylation of phenol by hydrogen peroxide. Applied Catalysis A: General, 2010, 385, 62-72.	2.2	53
8	Stabilization of gas transport properties of PTMSP with porous aromatic framework: Effect of annealing. Journal of Membrane Science, 2016, 517, 80-90.	4.1	53
9	New approach for highly selective hydrogenation of phenol to cyclohexanone: Combination of rhodium nanoparticles and cyclodextrins. Catalysis Communications, 2016, 73, 63-68.	1.6	53
10	Supramolecular Catalysts on the Basis of Moleculesâˆ'Receptors. Industrial & Engineering Chemistry Research, 2005, 44, 8644-8653.	1.8	47
11	Heterogeneous catalytic conversion of glycerol to oxygenated fuel additives. Fuel, 2016, 172, 310-319.	3.4	47
12	Aging of thin-film composite membranes based on PTMSP loaded with porous aromatic frameworks. Journal of Membrane Science, 2018, 554, 211-220.	4.1	47
13	Ruthenium Nanoparticles Stabilized in Crossâ€Linked Dendrimer Matrices: Hydrogenation of Phenols in Aqueous Media. ChemCatChem, 2015, 7, 1197-1210.	1.8	46
14	Synaptotagmin-11 mediates a vesicle trafficking pathway that is essential for development and synaptic plasticity. Genes and Development, 2019, 33, 365-376.	2.7	46
15	Ruthenium catalysts based on mesoporous aromatic frameworks for the hydrogenation of arenes. Reaction Kinetics, Mechanisms and Catalysis, 2016, 117, 729-743.	0.8	41
16	Catalytic cracking additives based on mesoporous MCM-41 for sulfur removal. Fuel Processing Technology, 2016, 153, 50-57.	3.7	39
17	New catalytic systems for selective oxidation of aromatic compounds by hydrogen peroxide. Catalysis Today, 1998, 44, 189-198.	2.2	38
18	Substrate selectivity in byphasic Wacker-oxidation of alkenes in the presence of water-soluble calixarenes. Journal of Molecular Catalysis A, 2002, 184, 11-17.	4.8	37

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19	Palladium nanoparticles on dendrimer-containing supports as catalysts for hydrogenation of unsaturated hydrocarbons. Molecular Catalysis, 2017, 440, 107-119.	1.0	36
20	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.	2.2	36
21	Synthesis of nickelâ€"tungsten sulfide hydrodearomatization catalysts by the decomposition of oil-soluble precursors. Petroleum Chemistry, 2016, 56, 44-50.	0.4	34
22	Dendrimer-Stabilized Ru Nanoparticles Immobilized in Organo-Silica Materials for Hydrogenation of Phenols. Catalysts, 2017, 7, 86.	1.6	33
23	Development of micro-mesoporous materials with lamellar structure as the support of NiW catalysts. Microporous and Mesoporous Materials, 2018, 263, 150-157.	2.2	33
24	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.	4.0	33
25	Deep aerobic oxidative desulfurization of model fuel by Anderson-type polyoxometalate catalysts. Catalysis Communications, 2021, 149, 106256.	1.6	33
26	Ethers and acetals, promising petrochemicals from renewable sources. Petroleum Chemistry, 2015, 55, 1-21.	0.4	32
27	Transition Metal Phosphides (Ni, Co, Mo, W) for Hydrodeoxygenation of Biorefinery Products (a) Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	32
28	Biphasic Wacker-oxidation of 1-octene catalyzed by palladium complexes with modified Î²-cyclodextrins. Journal of Molecular Catalysis A, 2000, 157, 25-30.	4.8	31
29	The catalytic activity of immobilized on modified silica metalloporphyrins bearing antioxidative 2,6-di-tert-butylphenol pendants. Catalysis Communications, 2007, 8, 2069-2073.	1.6	31
30	Nanocatalysts based on dendrimers. Pure and Applied Chemistry, 2009, 81, 2013-2023.	0.9	30
31	Glycerol to renewable fuel oxygenates. Part I: Comparison between solketal and its methyl ether. Fuel, 2019, 249, 486-495.	3.4	30
32	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.	10.8	29
33	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
34	Supramolecular calixarene-based catalytic systems in the Wacker-oxidation of higher alkenes. Journal of Molecular Catalysis A, 2004, 217, 59-67.	4.8	28
35	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.	0.4	28
36	Methane Pyrolysis for Hydrogen Production: Specific Features of Using Molten Metals. Russian Journal of Applied Chemistry, 2020, 93, 625-632.	0.1	28

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37	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
38	MWW-Type Zeolites: MCM-22, MCM-36, MCM-49, and MCM-56 (A Review). Petroleum Chemistry, 2019, 59, 788-801.	0.4	27
39	Core-shell nanoarchitecture: Schiff-base assisted synthesis of ruthenium in clay nanotubes. Pure and Applied Chemistry, 2018, 90, 825-832.	0.9	26
40	The Role of Zeolite Catalysis in Modern Petroleum Refining: Contribution from Domestic Technologies. Petroleum Chemistry, 2019, 59, 247-261.	0.4	26
41	Oxidative desulfurization of diesel fraction with hydrogen peroxide in the presence of catalysts based on transition metals. Petroleum Chemistry, 2014, 54, 48-50.	0.4	24
42	Alkyne hydrogenation using Pdâ€“Ag hybrid nanocatalysts in surfaceâ€immobilized dendrimers. Applied Organometallic Chemistry, 2015, 29, 777-784.	1.7	24
43	Catalysts Based on Porous Polyaromatic Frameworks for Deep Oxidative Desulfurization of Model Fuel in Biphasic Conditions. Industrial & Engineering Chemistry Research, 2019, 58, 20562-20572.	1.8	24
44	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.	3.4	24
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.	10.8	24
46	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.	0.4	23
47	Hydrogenation catalysts based on metal nanoparticles stabilized by organic ligands. Russian Chemical Bulletin, 2013, 62, 1465-1492.	0.4	23
48	Selective Levulinic Acid Hydrogenation in the Presence of Hybrid Dendrimerâ€Based Catalysts. Part I: Monometallic. ChemCatChem, 2018, 10, 222-233.	1.8	23
49	Selective semi-hydrogenation of phenyl acetylene by Pd nanocatalysts encapsulated into dendrimer networks. Molecular Catalysis, 2019, 469, 98-110.	1.0	23
50	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.	2.2	23
51	Sulfide Catalysts Supported on Porous Aromatic Frameworks for Naphthalene Hydroprocessing. Catalysts, 2016, 6, 122.	1.6	22
52	Choice of a catalyst and technological scheme for synthesis of solketal. Russian Journal of Applied Chemistry, 2016, 89, 1619-1624.	0.1	22
53	Oxidative functionalization of adamantanes (review). Petroleum Chemistry, 2017, 57, 183-197.	0.4	22
54	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.	2.2	22

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55	Selective hydrogenation of terminal alkynes over palladium nanoparticles within the pores of amino-modified porous aromatic frameworks. Catalysis Today, 2020, 357, 176-184.	2.2	22
56	Catalytic properties of transition metal salts immobilized on nanoporous silica polyamine composites II: hydrogenation. Applied Organometallic Chemistry, 2011, 25, 245-254.	1.7	21
57	Nanoheterogeneous ruthenium-containing catalysts based on dendrimers in the hydrogenation of aromatic compounds under two-phase conditions. Petroleum Chemistry, 2016, 56, 491-502.	0.4	21
58	Dendrimerâ€Encapsulated Pd Nanoparticles, Immobilized in Silica Pores, as Catalysts for Selective Hydrogenation of Unsaturated Compounds. ChemistryOpen, 2019, 8, 358-381.	0.9	21
59	Manganese and Cobalt Doped Hierarchical Mesoporous Halloysite-Based Catalysts for Selective Oxidation of p-Xylene to Terephthalic Acid. Catalysts, 2020, 10, 7.	1.6	21
60	Chiral Ligands to Support Self-Assembly of [LPdCl]₃ Trimers via a Set of Secondary Interactions. Organometallics, 2009, 28, 1027-1031.	1.1	20
61	Petroleum nanodiamonds: New in diamondoid naphthenes. Petroleum Chemistry, 2011, 51, 86-95.	0.4	20
62	Hydrogenation of phenols in ionic liquids on rhodium nanoparticles. Petroleum Chemistry, 2013, 53, 157-163.	0.4	20
63	Initiated conversion of ethanol to divinyl by the Lebedev reaction. Petroleum Chemistry, 2014, 54, 195-206.	0.4	20
64	Hydrocracking of hexadecane to jet fuel components over hierarchical Ru-modified faujasite zeolite. Fuel, 2020, 278, 118193.	3.4	20
65	Supramolecular catalytic systems based on calixarenes and cyclodextrins. Macromolecular Symposia, 2003, 204, 159-174.	0.4	19
66	Mass spectrometric studies of trifluoromethylated fullerenes. International Journal of Mass Spectrometry, 2006, 251, 16-22.	0.7	19
67	Synthesis and properties of high-energy-density hydrocarbons based on 5-vinyl-2-norbornene. Fuel, 2021, 283, 118935.	3.4	19
68	Methylformate as replacement of syngas in one-pot catalytic synthesis of amines from olefins. Catalysis Science and Technology, 2014, 4, 540-547.	2.1	18
69	Platinum and palladium nanoparticles in modified mesoporous phenolâ€"formaldehyde polymers as hydrogenation catalysts. Petroleum Chemistry, 2016, 56, 109-120.	0.4	18
70	Isomerization of Xylenes in the Presence of Pt-Containing Catalysts Based on Halloysite Aluminosilicate Nanotubes. Russian Journal of Applied Chemistry, 2018, 91, 1353-1362.	0.1	18
71	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.	0.1	18
72	Thermal depolymerization of polystyrene in highly aromatic hydrocarbon medium. Journal of Analytical and Applied Pyrolysis, 2019, 142, 104612.	2.6	18

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73	Hydroprocessing of furfural over in situ generated nickel phosphide based catalysts in different solvents. Applied Catalysis A: General, 2020, 608, 117890.	2.2	18
74	Metal-Free Oxidative Desulfurization Catalysts Based on Porous Aromatic Frameworks. Industrial & Engineering Chemistry Research, 2021, 60, 9049-9058.	1.8	18
75	Molecular Imprinting Technique for the Design of Cyclodextrin Based Materials and Their Application in Catalysis. Current Organic Chemistry, 2010, 14, 1284-1295.	0.9	18
76	Aqueous catalysis by novel macromolecule metal complexes with molecular recognition abilities. Polymers for Advanced Technologies, 2001, 12, 161-168.	1.6	17
77	Molecular Recognition and Catalysis: from Macrocyclic Receptors to Molecularly Imprinted Metal Complexes. Macromolecular Symposia, 2006, 235, 39-51.	0.4	17
78	Palladium nanoparticles on dendrimer-containing supports as catalysts for hydrogenation of unsaturated hydrocarbons. Petroleum Chemistry, 2012, 52, 289-298.	0.4	17
79	Heterogeneous catalytic conversion of glycerol with n-butyl alcohol. Petroleum Chemistry, 2016, 56, 125-130.	0.4	17
80	Glycerol Isopropyl Ethers: Direct Synthesis from Alcohols and Synthesis by the Reduction of Solketal. ChemCatChem, 2017, 9, 2839-2849.	1.8	17
81	Hydrotreating of Light Cycle Oil over Supported on Porous Aromatic Framework Catalysts. Catalysts, 2018, 8, 397.	1.6	17
82	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.	0.4	16
83	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.	0.3	16
84	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.	1.9	16
85	The mechanism of promoter-induced zeolite nanosheet crystallization under hydrothermal and microwave irradiation conditions. Inorganic Chemistry Frontiers, 2020, 7, 1400-1410.	3.0	16
86	Moleculesâ€Receptors: Different Approaches to Design Effective Catalysts. Macromolecular Symposia, 2008, 270, 106-116.	0.4	15
87	Nanostructured Macromolecular Metal Containing Materials in Catalysis. Macromolecular Symposia, 2011, 304, 55-64.	0.4	15
88	Nickel-tungsten sulfide aromatic hydrocarbon hydrogenation catalysts synthesized in situ in a hydrocarbon medium. Petroleum Chemistry, 2015, 55, 470-480.	0.4	15
89	Palladium Catalysts Based on Mesoporous Organic Materials in Semihydrogenation of Alkynes. Macromolecular Symposia, 2016, 363, 57-63.	0.4	15
90	Effect of Additives on the Activity of Nickelâ€"Tungsten Sulfide Hydroconversion Catalysts Prepared In Situ from Oil-Soluble Precursors. Catalysts, 2018, 8, 644.	1.6	15

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91	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.	3.7	15
92	Palladium Catalysts Based on Porous Aromatic Frameworks, Modified with Ethanolamino-Groups, for Hydrogenation of Alkynes, Alkenes and Dienes. Catalysts, 2020, 10, 1106.	1.6	15
93	Ultra-low palladium catalysts for phenylacetylene semihydrogenation: Synthesis by modified pulsed laser ablationâ€"deposition. Applied Catalysis A: General, 2013, 464-465, 253-260.	2.2	14
94	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.	0.4	14
95	Hydrogenation Process for Producing Light Petroleum Resins as Adhesive and Hot-Melt Components (Review). Petroleum Chemistry, 2017, 57, 983-1001.	0.4	14
96	Hydrogenation of petroleum resins in the presence of supported sulfide catalysts. Petroleum Chemistry, 2018, 58, 48-55.	0.4	14
97	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.	0.1	14
98	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.	0.9	14
99	Dendrimer-based catalysts in Wacker-oxidation: Unexpected selectivity to terminal double bonds. Journal of Molecular Catalysis A, 2009, 297, 73-79.	4.8	13
100	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.	1.9	13
101	Dimethyl Ether to Olefins over Modified ZSM-5 Based Catalysts Stabilized by Hydrothermal Treatment. Catalysts, 2019, 9, 485.	1.6	13
102	The Prins Reaction over Heterogeneous Catalysts (a Review). Petroleum Chemistry, 2020, 60, 723-730.	0.4	13
103	Halloysite as a Zeolite Catalyst Component for Converting Dimethyl Ether Into Hydrocarbons. Chemistry and Technology of Fuels and Oils, 2020, 55, 682-688.	0.2	13
104	Design and preparation of liquid polycyclic norbornanes as potential high performance fuels for aerospace propulsion. Fuel Processing Technology, 2022, 225, 107056.	3.7	13
105	Transformations of Carbon Dioxide under Homogeneous Catalysis Conditions (A Review). Petroleum Chemistry, 2022, 62, 1-39.	0.4	13
106	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.	0.4	12
107	Oxo Processes Involving Ethylene (a Review). Petroleum Chemistry, 2017, 57, 1137-1140.	0.4	12
108	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.	0.1	12

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109	Carbon Dioxide Reforming of Methane. Russian Journal of Applied Chemistry, 2020, 93, 765-787.	0.1	12
110	The Prins condensation between i-butene and formaldehyde over modified BEA and MFI zeolites in liquid phase. Catalysis Communications, 2020, 138, 105965.	1.6	12
111	Bio-Based Solvents and Gasoline Components from Renewable 2,3-Butanediol and 1,2-Propanediol: Synthesis and Characterization. Molecules, 2020, 25, 1723.	1.7	12
112	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.	0.4	12
113	Design of supramolecular metal complex catalytic systems for petrochemical and organic synthesis. Russian Chemical Bulletin, 2008, 57, 780-792.	0.4	11
114	Phenol and dihydroxybenzene hydrogenation catalysts based on polyamide dendrimers and rhodium species. Petroleum Chemistry, 2014, 54, 412-419.	0.4	11
115	Nickel-tungsten sulfide polyaromatic hydrocarbon hydrogenation nanocatalysts prepared in an ionic liquid. Petroleum Chemistry, 2015, 55, 38-44.	0.4	11
116	Catalysis in a dispersion medium for the hydrogenation of aromatics and hydrodearomatization in oil refining. Pure and Applied Chemistry, 2017, 89, 1145-1155.	0.9	11
117	Hydrotreating of Middle-Distillate Fraction on Sulfide Catalysts Containing Crystalline Porous Aluminosilicates. Petroleum Chemistry, 2017, 57, 1151-1155.	0.4	11
118	Oxidation of p-Xylene. Russian Journal of Applied Chemistry, 2018, 91, 707-727.	0.1	11
119	Alkali Earth Catalysts Based on Mesoporous MCM-41 and Al-SBA-15 for Sulfone Removal from Middle Distillates. ACS Omega, 2019, 4, 12736-12744.	1.6	11
120	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.	1.8	11
121	Supramolecular catalytic systems in biomimetic oxidation. Russian Chemical Bulletin, 2007, 56, 621-630.	0.4	10
122	Reaction between glycerol and acetone in the presence of ethylene glycol. Petroleum Chemistry, 2015, 55, 140-145.	0.4	10
123	Hydrogenation of aromatic hydrocarbons over nickelâ€“tungsten sulfide catalysts containing mesoporous aluminosilicates of different nature. Petroleum Chemistry, 2016, 56, 599-606.	0.4	10
124	Nickelâ€“molybdenum sulfide naphthalene hydrogenation catalysts synthesized by the in situ decomposition of oil-soluble precursors. Petroleum Chemistry, 2017, 57, 595-599.	0.4	10
125	Hydrogenation of Polymeric Petroleum Resins in the Presence of Unsupported Sulfide Nanocatalysts. Petroleum Chemistry, 2017, 57, 1295-1303.	0.4	10
126	Kinetics of the Formation of Solketal in the Presence of Sulfuric Acid. Kinetics and Catalysis, 2018, 59, 504-508.	0.3	10

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127	Properties of Nanosized Cobalt-Molybdenum Sulfide Catalyst Formed In Situ from Sulfonium Thiosalt. Petroleum Chemistry, 2019, 59, 504-510.	0.4	10
128	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.	0.4	10
129	Heterogeneous Dendrimer-Based Catalysts. Polymers, 2022, 14, 981.	2.0	10
130	Surface active macromolecular and supramolecular complexes: design and catalysis. Macromolecular Symposia, 2000, 156, 137-146.	0.4	9
131	Synthesis of cyclic acetals by hydroformylation of oct-1-ene in the presence of polyols. Russian Chemical Bulletin, 2015, 64, 943-947.	0.4	9
132	Cation-exchange resins in the hydroformylationâ€“acetalization tandem reaction. Petroleum Chemistry, 2016, 56, 711-716.	0.4	9
133	Mesoporous organo-inorganic hybrid materials as hydrogenation catalysts. Pure and Applied Chemistry, 2017, 89, 1157-1166.	0.9	9
134	Bimetallic sulfide catalysts based on mesoporous organic supports in the hydrofining of light cycle oil. Petroleum Chemistry, 2017, 57, 855-858.	0.4	9
135	Nickelâ€“molybdenum and cobaltâ€“molybdenum sulfide hydrogenation and hydrodesulphurization catalysts synthesized in situ from bimetallic precursors. Catalysis in Industry, 2017, 9, 247-256.	0.3	9
136	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.	0.4	9
137	Production of High-Density Jet and Diesel Fuels by Hydrogenation of Highly Aromatic Fractions. Russian Journal of Applied Chemistry, 2018, 91, 1223-1254.	0.1	9
138	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.	0.4	9
139	Hydrogenation of Aromatic Substrates over Dispersed Niâ€“Mo Sulfide Catalysts in System H2O/CO. Petroleum Chemistry, 2018, 58, 528-534.	0.4	9
140	Obtaining of highly-active catalysts of unsaturated compounds hydrogenation by using supercritical carbon dioxide. Journal of Supercritical Fluids, 2018, 140, 387-393.	1.6	9
141	Diamondoids in Oil and Gas Condensates (Review). Petroleum Chemistry, 2019, 59, 1108-1117.	0.4	9
142	Hydrogenation of Indeneâ€“Coumarone Resin on Palladium Catalysts for Use in Polymer Adhesives. Russian Journal of Applied Chemistry, 2019, 92, 1143-1152.	0.1	9
143	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.	0.4	9
144	Production of Aromatic Hydrocarbons from Syngas: Principles, Problems, and Prospects. Russian Journal of Applied Chemistry, 2020, 93, 933-953.	0.1	9

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145	Bizeolite Pt/ZSM-5:ZSM-12/Al2O3 catalyst for hydroisomerization of C-8 fraction with various ethylbenzene content. Catalysis Today, 2021, 378, 83-95.	2.2	9
146	A stepwise fabrication of MFI nanosheets in accelerated mode. Catalysis Today, 2021, 378, 149-157.	2.2	9
147	Metal Ion Modulated Torsion Angle in a Ditopic Oligothiophene Ligand: Toward Supramolecular Control of Ï€ Conjugation. ChemPhysChem, 2010, 11, 3152-3160.	1.0	8
148	Flow reactor synthesis of cetane-enhancing fuel additive from 1-butanol. Fuel Processing Technology, 2015, 140, 312-323.	3.7	8
149	Hydroconversion of Thiophene Derivatives over Dispersed Niâ€“Mo Sulfide Catalysts. Petroleum Chemistry, 2018, 58, 1227-1232.	0.4	8
150	Synthesis of ZSM-12 Zeolites with New Templates Based on Salts of Ethanolamines. Russian Journal of Applied Chemistry, 2018, 91, 1957-1962.	0.1	8
151	Effect of Binder on the Properties of MWW Zeolite Catalysts in Benzene Alkylation with Propylene. Petroleum Chemistry, 2019, 59, 695-700.	0.4	8
152	Nickelâ€“Tungsten and Nickelâ€“Molybdenum Sulfide Diesel Hydrocarbon Hydrogenation Catalysts Synthesized in Pores of Aromatic Polymer Materials. Petroleum Chemistry, 2019, 59, 575-580.	0.4	8
153	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.	3.2	8
154	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.	1.6	8
155	Selective Production of Light Olefins from Fischerâ€“Tropsch Synthetic Oil by Catalytic Cracking. Industrial & Engineering Chemistry Research, 2020, 59, 15875-15883.	1.8	8
156	One-pot synthesis of short-chain cyclic acetals <i>via</i> tandem hydroformylationâ€“acetalization under biphasic conditions. Reaction Chemistry and Engineering, 2021, 6, 839-844.	1.9	8
157	Synthesis of olefins from dimethyl ether in a synthesis gas atmosphere. Catalysis Communications, 2021, 153, 106297.	1.6	8
158	Two-phase wacker oxidation of alkenes catalyzed by water-soluble macromolecular complexes of palladium. Macromolecular Symposia, 1998, 131, 87-94.	0.4	7
159	Synthesis of the components of engine fuels on the basis of renewable raw materials: Trends and prospects. Petroleum Chemistry, 2010, 50, 325-331.	0.4	7
160	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.	0.3	7
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