A L Maximov

List of Publications by Year
in descending order

360 papers	4,929 citations	132226 32 h-index	206021 48 g-index
372 all docs	372 docs citations	372 times ranked	5874 citing authors

#	Article	IF	Citations
1	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
2	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
3	Functional supramolecular systems: design and applications. Russian Chemical Reviews, 2021, 90, 895-1107.	6.9	105
4	Mesoporous Metal Catalysts Templated on Clay Nanotubes. Bulletin of the Chemical Society of Japan, 2019, 92, 61-69.	3.3	91
5	Core/Shell Rutheniumâ€“Halloysite Nanocatalysts for Hydrogenation of Phenol. Industrial & Engineering Chemistry Research, 2017, 56, 14043-14052.	3.8	86
6	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
7	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
8	Preparation of high-octane oxygenate fuel components from plant-derived polyols. Petroleum Chemistry, 2011, 51, 61-69.	1.4	68
9	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
10	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
11	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
12	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
13	Copper nanoparticles as active catalysts in hydroxylation of phenol by hydrogen peroxide. Applied Catalysis A: General, 2010, 385, 62-72.	4.6	53
14	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
15	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
16	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
17	Heterogeneous catalytic conversion of glycerol to oxygenated fuel additives. Fuel, 2016, 172, 310-319.	6.6	48
18	Supramolecular Catalysts on the Basis of Moleculesâˆ'Receptors. Industrial & Engineering Chemistry Research, 2005, 44, 8644-8653.	3.8	47

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19	Ruthenium Nanoparticles Stabilized in Crossâ€Linked Dendrimer Matrices: Hydrogenation of Phenols in Aqueous Media. ChemCatChem, 2015, 7, 1197-1210.	3.8	47
20	Ruthenium catalysts based on mesoporous aromatic frameworks for the hydrogenation of arenes. Reaction Kinetics, Mechanisms and Catalysis, 2016, 117, 729-743.	1.7	45
21	Catalytic cracking additives based on mesoporous MCM-41 for sulfur removal. Fuel Processing Technology, 2016, 153, 50-57.	7.3	40
22	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
23	New catalytic systems for selective oxidation of aromatic compounds by hydrogen peroxide. Catalysis Today, 1998, 44, 189-198.	4.9	38
24	Palladium nanoparticles on dendrimer-containing supports as catalysts for hydrogenation of unsaturated hydrocarbons. Molecular Catalysis, 2017, 440, 107-119.	2.1	38
25	Deep aerobic oxidative desulfurization of model fuel by Anderson-type polyoxometalate catalysts. Catalysis Communications, 2021, 149, 106256.	3.4	38
26	Ethers and acetals, promising petrochemicals from renewable sources. Petroleum Chemistry, 2015, 55, 1-21.	1.4	36
27	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
28	Synthesis of nickelâ€"tungsten sulfide hydrodearomatization catalysts by the decomposition of oil-soluble precursors. Petroleum Chemistry, 2016, 56, 44-50.	1.4	35
29	Transition Metal Phosphides (Ni, Co, Mo, W) for Hydrodeoxygenation of Biorefinery Products (a) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	35
30	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
31	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
32	Glycerol to renewable fuel oxygenates. Part I: Comparison between solketal and its methyl ether. Fuel, 2019, 249, 486-495.	6.6	34
33	Dendrimer-Stabilized Ru Nanoparticles Immobilized in Organo-Silica Materials for Hydrogenation of Phenols. Catalysts, 2017, 7, 86.	3.6	33
34	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
35	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
36	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

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37	Nanocatalysts based on dendrimers. Pure and Applied Chemistry, 2009, 81, 2013-2023.	2.0	31
38	The Role of Zeolite Catalysis in Modern Petroleum Refining: Contribution from Domestic Technologies. Petroleum Chemistry, 2019, 59, 247-261.	1.4	31
39	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
40	MWW-Type Zeolites: MCM-22, MCM-36, MCM-49, and MCM-56 (A Review). Petroleum Chemistry, 2019, 59, 788-801.	1.4	30
41	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
42	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
43	Supramolecular calixarene-based catalytic systems in the Wacker-oxidation of higher alkenes. Journal of Molecular Catalysis A, 2004, 217, 59-67.	4.8	28
44	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
45	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
46	Core-shell nanoarchitecture: Schiff-base assisted synthesis of ruthenium in clay nanotubes. Pure and Applied Chemistry, 2018, 90, 825-832.	2.0	26
47	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
48	Aptamers and Antisense Oligonucleotides for Diagnosis and Treatment of Hematological Diseases. International Journal of Molecular Sciences, 2020, 21, 3252.	4.2	26
49	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
50	Oxidative functionalization of adamantanes (review). Petroleum Chemistry, 2017, 57, 183-197.	1.4	25
51	Selective Levulinic Acid Hydrogenation in the Presence of Hybrid Dendrimerâ€Based Catalysts. Part I: Monometallic. ChemCatChem, 2018, 10, 222-233.	3.8	25
52	Selective semi-hydrogenation of phenyl acetylene by Pd nanocatalysts encapsulated into dendrimer networks. Molecular Catalysis, 2019, 469, 98-110.	2.1	25
53	Alkyne hydrogenation using Pdâ€“Ag hybrid nanocatalysts in surfaceâ€immobilized dendrimers. Applied Organometallic Chemistry, 2015, 29, 777-784.	3.6	24
54	Defect-induced betavoltaic enhancement in black titania nanotube arrays. Nanoscale, 2018, 10, 13028-13036.	5.8	24

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55	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
56	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
57	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
58	Hydrogenation catalysts based on metal nanoparticles stabilized by organic ligands. Russian Chemical Bulletin, 2013, 62, 1465-1492.	1.7	23
59	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
60	Hydrocracking of hexadecane to jet fuel components over hierarchical Ru-modified faujasite zeolite. Fuel, 2020, 278, 118193.	6.6	23
61	Synthesis and properties of high-energy-density hydrocarbons based on 5-vinyl-2-norbornene. Fuel, 2021, 283, 118935.	6.6	23
62	Sulfide Catalysts Supported on Porous Aromatic Frameworks for Naphthalene Hydroprocessing. Catalysts, 2016, 6, 122.	3.6	22
63	Choice of a catalyst and technological scheme for synthesis of solketal. Russian Journal of Applied Chemistry, 2016, 89, 1619-1624.	0.5	22
64	Dendrimerâ€Encapsulated Pd Nanoparticles, Immobilized in Silica Pores, as Catalysts for Selective Hydrogenation of Unsaturated Compounds. ChemistryOpen, 2019, 8, 358-381.	2.2	22
65	Metal-Free Oxidative Desulfurization Catalysts Based on Porous Aromatic Frameworks. Industrial & Engineering Chemistry Research, 2021, 60, 9049-9058.	3.8	22
66	Catalytic properties of transition metal salts immobilized on nanoporous silica polyamine composites II: hydrogenation. Applied Organometallic Chemistry, 2011, 25, 245-254.	3.6	21
67	Hydrogenation of phenols in ionic liquids on rhodium nanoparticles. Petroleum Chemistry, 2013, 53, 157-163.	1.4	21
68	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
69	Thermal depolymerization of polystyrene in highly aromatic hydrocarbon medium. Journal of Analytical and Applied Pyrolysis, 2019, 142, 104612.	5.6	21
70	Supramolecular catalytic systems based on calixarenes and cyclodextrins. Macromolecular Symposia, 2003, 204, 159-174.	0.7	20
71	Chiral Ligands to Support Self-Assembly of [LPdCl]₃ Trimers via a Set of Secondary Interactions. Organometallics, 2009, 28, 1027-1031.	2.6	20
72	Petroleum nanodiamonds: New in diamondoid naphthenes. Petroleum Chemistry, 2011, 51, 86-95.	1.4	20

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73	Initiated conversion of ethanol to divinyl by the Lebedev reaction. Petroleum Chemistry, 2014, 54, 195-206.	1.4	20
74	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
75	Hydroprocessing of furfural over in situ generated nickel phosphide based catalysts in different solvents. Applied Catalysis A: General, 2020, 608, 117890.	4.6	20
76	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
77	Mass spectrometric studies of trifluoromethylated fullerenes. International Journal of Mass Spectrometry, 2006, 251, 16-22.	1.6	19
78	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
79	Hydrotreating of Light Cycle Oil over Supported on Porous Aromatic Framework Catalysts. Catalysts, 2018, 8, 397.	3.6	19
80	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
81	Heterogeneous catalytic conversion of glycerol with n-butyl alcohol. Petroleum Chemistry, 2016, 56, 125-130.	1.4	18
82	Platinum and palladium nanoparticles in modified mesoporous phenolâ€"formaldehyde polymers as hydrogenation catalysts. Petroleum Chemistry, 2016, 56, 109-120.	1.4	18
83	Aqueous catalysis by novel macromolecule metal complexes with molecular recognition abilities. Polymers for Advanced Technologies, 2001, 12, 161-168.	3.2	17
84	Molecular Recognition and Catalysis: from Macrocyclic Receptors to Molecularly Imprinted Metal Complexes. Macromolecular Symposia, 2006, 235, 39-51.	0.7	17
85	Palladium nanoparticles on dendrimer-containing supports as catalysts for hydrogenation of unsaturated hydrocarbons. Petroleum Chemistry, 2012, 52, 289-298.	1.4	17
86	Nickel-tungsten sulfide aromatic hydrocarbon hydrogenation catalysts synthesized in situ in a hydrocarbon medium. Petroleum Chemistry, 2015, 55, 470-480.	1.4	17
87	Glycerol Isopropyl Ethers: Direct Synthesis from Alcohols and Synthesis by the Reduction of Solketal. ChemCatChem, 2017, 9, 2839-2849.	3.8	17
88	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
89	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
90	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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91	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
92	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
93	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
94	Brain Endoplasmic Reticulum Stress Mechanistically Distinguishes the Saline-Intake and Hypertensive Response to Deoxycorticosterone Acetateâ€"Salt. Hypertension, 2015, 65, 1341-1348.	5.2	16
95	Murine Cytomegalovirus Infection Induces Susceptibility to EAE in Resistant BALB/c Mice. Frontiers in Immunology, 2017, 8, 192.	4.9	16
96	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
97	The Prins Reaction over Heterogeneous Catalysts (a Review). Petroleum Chemistry, 2020, 60, 723-730.	1.4	16
98	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
99	The mechanism of promoter-induced zeolite nanosheet crystallization under hydrothermal and microwave irradiation conditions. Inorganic Chemistry Frontiers, 2020, 7, 1400-1410.	6.0	16
100	Moleculesâ€Receptors: Different Approaches to Design Effective Catalysts. Macromolecular Symposia, 2008, 270, 106-116.	0.7	15
101	Nanostructured Macromolecular Metal Containing Materials in Catalysis. Macromolecular Symposia, 2011, 304, 55-64.	0.7	15
102	Palladium Catalysts Based on Mesoporous Organic Materials in Semihydrogenation of Alkynes. Macromolecular Symposia, 2016, 363, 57-63.	0.7	15
103	Hydrogenation Process for Producing Light Petroleum Resins as Adhesive and Hot-Melt Components (Review). Petroleum Chemistry, 2017, 57, 983-1001.	1.4	15
104	Hydrogenation of petroleum resins in the presence of supported sulfide catalysts. Petroleum Chemistry, 2018, 58, 48-55.	1.4	15
105	Dimethyl Ether to Olefins over Modified ZSM-5 Based Catalysts Stabilized by Hydrothermal Treatment. Catalysts, 2019, 9, 485.	3.6	15
106	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
107	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
108	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

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109	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
110	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
111	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
112	Kidneys on Chips. Clinical Journal of the American Society of Nephrology: CJASN, 2019, 14, 144-146.	4.4	14
113	Transformations of Carbon Dioxide under Homogeneous Catalysis Conditions (A Review). Petroleum Chemistry, 2022, 62, 1-39.	1.4	14
114	Phosphorus-free nitrogen-containing catalytic systems for hydroformylation and tandem hydroformylation-based reactions. Applied Catalysis A: General, 2022, 647, 118891.	4.6	14
115	Dendrimer-based catalysts in Wacker-oxidation: Unexpected selectivity to terminal double bonds. Journal of Molecular Catalysis A, 2009, 297, 73-79.	4.8	13
116	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
117	Hydrotreating of Middle-Distillate Fraction on Sulfide Catalysts Containing Crystalline Porous Aluminosilicates. Petroleum Chemistry, 2017, 57, 1151-1155.	1.4	13
118	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
119	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
120	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
121	Oxo Processes Involving Ethylene (a Review). Petroleum Chemistry, 2017, 57, 1137-1140.	1.4	12
122	Effect of Binder on the Properties of MWW Zeolite Catalysts in Benzene Alkylation with Propylene. Petroleum Chemistry, 2019, 59, 695-700.	1.4	12
123	Synthesis of olefins from dimethyl ether in a synthesis gas atmosphere. Catalysis Communications, 2021, 153, 106297.	3.4	12
124	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
125	Design of supramolecular metal complex catalytic systems for petrochemical and organic synthesis. Russian Chemical Bulletin, 2008, 57, 780-792.	1.7	11
126	Phenol and dihydroxybenzene hydrogenation catalysts based on polyamide dendrimers and rhodium species. Petroleum Chemistry, 2014, 54, 412-419.	1.4	11

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127	Nickel-tungsten sulfide polyaromatic hydrocarbon hydrogenation nanocatalysts prepared in an ionic liquid. Petroleum Chemistry, 2015, 55, 38-44.	1.4	11
128	Hydrogenation of aromatic hydrocarbons over nickelâ€“tungsten sulfide catalysts containing mesoporous aluminosilicates of different nature. Petroleum Chemistry, 2016, 56, 599-606.	1.4	11
129	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
130	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
131	Hydrogenation of Polymeric Petroleum Resins in the Presence of Unsupported Sulfide Nanocatalysts. Petroleum Chemistry, 2017, 57, 1295-1303.	1.4	11
132	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
133	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
134	Hydrogenation of Aromatic Substrates over Dispersed Niâ€“Mo Sulfide Catalysts in System H2O/CO. Petroleum Chemistry, 2018, 58, 528-534.	1.4	11
135	Kinetics of the Formation of Solketal in the Presence of Sulfuric Acid. Kinetics and Catalysis, 2018, 59, 504-508.	1.1	11
136	Oxidation of p-Xylene. Russian Journal of Applied Chemistry, 2018, 91, 707-727.	0.5	11
137	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
138	Pt and Ru Catalysts Based on Porous Aromatic Frameworks for Hydrogenation of Lignin Biofuel Components. Petroleum Chemistry, 2021, 61, 711-720.	1.4	11
139	Heterogeneous Dendrimer-Based Catalysts. Polymers, 2022, 14, 981.	4.6	11
140	The green chemistry paradigm in modern organic synthesis. Russian Chemical Reviews, 2023, 92, RCR5104.	6.9	11
141	Supramolecular catalytic systems in biomimetic oxidation. Russian Chemical Bulletin, 2007, 56, 621-630.	1.7	10
142	Reaction between glycerol and acetone in the presence of ethylene glycol. Petroleum Chemistry, 2015, 55, 140-145.	1.4	10
143	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
144	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

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145	Diamondoids in Oil and Gas Condensates (Review). Petroleum Chemistry, 2019, 59, 1108-1117.	1.4	10
146	Properties of Nanosized Cobalt-Molybdenum Sulfide Catalyst Formed In Situ from Sulfonium Thiosalt. Petroleum Chemistry, 2019, 59, 504-510.	1.4	10
147	Selective Production of Light Olefins from Fischerâ€“Tropsch Synthetic Oil by Catalytic Cracking. Industrial & Engineering Chemistry Research, 2020, 59, 15875-15883.	3.8	10
148	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
149	A stepwise fabrication of MFI nanosheets in accelerated mode. Catalysis Today, 2021, 378, 149-157.	4.9	10
150	Promising Approaches to Carbon Dioxide Processing Using Heterogeneous Catalysts (A Review). Petroleum Chemistry, 2022, 62, 445-474.	1.4	10
151	Surface active macromolecular and supramolecular complexes: design and catalysis. Macromolecular Symposia, 2000, 156, 137-146.	0.7	9
152	Catalysis by Soluble Macromolecular Metal Complexes. , 2003, , 457-501.		9
153	Biphasic catalysis in petrochemical processes. Russian Journal of General Chemistry, 2009, 79, 1370-1383.	0.9	9
154	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
155	Cation-exchange resins in the hydroformylationâ€“acetalization tandem reaction. Petroleum Chemistry, 2016, 56, 711-716.	1.4	9
156	Mesoporous organo-inorganic hybrid materials as hydrogenation catalysts. Pure and Applied Chemistry, 2017, 89, 1157-1166.	2.0	9
157	Bimetallic sulfide catalysts based on mesoporous organic supports in the hydrofining of light cycle oil. Petroleum Chemistry, 2017, 57, 855-858.	1.4	9
158	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
159	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
160	Hydroconversion of Thiophene Derivatives over Dispersed Niâ€“Mo Sulfide Catalysts. Petroleum Chemistry, 2018, 58, 1227-1232.	1.4	9
161	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
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