

Anton L Maximov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

296
papers

2,739
citations

25
h-index

36
g-index

303
ext. papers

3,325
ext. citations

2.4
avg, IF

5.71
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 296 | Synergy of Acidity and Morphology of Micro-/Mesoporous Materials in the Solid-Acid Alkylation of Toluene with 1-Decene. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 1994-2009 | 3.9 | 1 |
| 295 | Transformations of Carbon Dioxide under Homogeneous Catalysis Conditions (A Review). <i>Petroleum Chemistry</i> , 2022 , 62, 1 | 1.1 | 1 |
| 294 | Acetone reaction pathways as a model bio-oxygenate in a hydrocarbon medium on zeolite Y and ZSM-5 catalysts: Isotope labeling study. <i>Chemical Engineering Journal</i> , 2022 , 431, 134228 | 14.7 | 0 |
| 293 | Design and preparation of liquid polycyclic norbornanes as potential high performance fuels for aerospace propulsion. <i>Fuel Processing Technology</i> , 2022 , 225, 107056 | 7.2 | 2 |
| 292 | Advances in the Chemistry of Unsaturated Adamantane Derivatives (A Review). <i>Petroleum Chemistry</i> , 2022 , 62, 352 | 1.1 | |
| 291 | Hydrodeoxygenation of guaiacol via in situ H ₂ generated through a water gas shift reaction over dispersed NiMoS catalysts from oil-soluble precursors: Tuning the selectivity towards cyclohexene. <i>Applied Catalysis B: Environmental</i> , 2022 , 312, 121403 | 21.8 | 0 |
| 290 | Supramolecular Effects and Systems in Catalysis. A Review. <i>Doklady Chemistry</i> , 2022 , 502, 1-27 | 0.8 | |
| 289 | Promising Approaches to Carbon Dioxide Processing Using Heterogeneous Catalysts (A Review). <i>Petroleum Chemistry</i> , 2022 , 62, 445-474 | 1.1 | |
| 288 | Biphenyl Hydrogenation with Syngas for Hydrogen Purification and Transportation: Performance of Dispersed Catalytic Systems Based on Transition Metal Sulfides. <i>Petroleum Chemistry</i> , 2021 , 61, 1131-1137 | 1.1 | 0 |
| 287 | Hydrogenation of Butadiene-Styrene Rubber over Palladium Nanoparticles Synthesized In Situ: Selection of Stabilizer. <i>Petroleum Chemistry</i> , 2021 , 61, 1118 | 1.1 | |
| 286 | Functionalization strategy influences the porosity of amino-containing porous aromatic frameworks and the hydrogenation activity of palladium catalysts synthesized on their basis. <i>Molecular Catalysis</i> , 2021 , 112012 | 3.3 | 0 |
| 285 | Non-phosphorus recyclable Rh/triethanolamine catalytic system for tandem hydroformylation/hydrogenation and hydroaminomethylation of olefins under biphasic conditions. <i>Molecular Catalysis</i> , 2021 , 516, 112010 | 3.3 | 1 |
| 284 | Dual-Cycle Mechanism Based Kinetic Model for DME-to-Olefin Synthesis on HZSM-5-Type Catalysts. <i>Catalysts</i> , 2021 , 11, 1459 | 4 | 1 |
| 283 | Selective production of γ -valerolactone and ethyl valerate from ethyl levulinate using unsupported nickel phosphide. <i>Applied Catalysis A: General</i> , 2021 , 628, 118401 | 5.1 | 3 |
| 282 | The Effect of MoS ₂ Active Site Dispersion on Suppression of Polycondensation Reactions during Heavy Oil Hydroconversion. <i>Catalysts</i> , 2021 , 11, 676 | 4 | 0 |
| 281 | Synthesis of olefins from dimethyl ether in a synthesis gas atmosphere. <i>Catalysis Communications</i> , 2021 , 153, 106297 | 3.2 | 4 |
| 280 | Metal-Free Oxidative Desulfurization Catalysts Based on Porous Aromatic Frameworks. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 9049-9058 | 3.9 | 4 |

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| 279 | Synthesis of Highly Active Nanozeolites Using Methods of Mechanical Milling, Recrystallization, and Dealumination (A Review). <i>Petroleum Chemistry</i> , 2021 , 61, 649-662 | 1.1 | 1 |
| 278 | Non-Porous Sulfonic Acid Catalysts Derived from Vacuum Residue Asphaltenes for Glycerol Valorization via Ketalization with Acetone. <i>Catalysts</i> , 2021 , 11, 776 | 4 | 0 |
| 277 | Features of the Mechanism of the Dimethyl Ether to Light Olefins Conversion over MgZSM-5/Al ₂ O ₃ : Study by Vibrational Spectroscopy Experimental and Theoretical Methods. <i>Catalysis Letters</i> , 2021 , 151, 1309-1319 | 2.8 | 3 |
| 276 | Deep aerobic oxidative desulfurization of model fuel by Anderson-type polyoxometalate catalysts. <i>Catalysis Communications</i> , 2021 , 149, 106256 | 3.2 | 11 |
| 275 | Dispersed Ni-Mo sulfide catalysts from water-soluble precursors for HDS of BT and DBT via in situ produced H ₂ under Water gas shift conditions. <i>Applied Catalysis B: Environmental</i> , 2021 , 282, 119616 | 21.8 | 13 |
| 274 | Synthesis and properties of high-energy-density hydrocarbons based on 5-vinyl-2-norbornene. <i>Fuel</i> , 2021 , 283, 118935 | 7.1 | 10 |
| 273 | One-pot synthesis of short-chain cyclic acetals via tandem hydroformylation-cetalization under biphasic conditions. <i>Reaction Chemistry and Engineering</i> , 2021 , 6, 839-844 | 4.9 | 1 |
| 272 | A new precursor for synthesis of nickel-tungsten sulfide aromatic hydrogenation catalyst. <i>Molecular Catalysis</i> , 2021 , 502, 111357 | 3.3 | 0 |
| 271 | Crystallization of Zeolites in the Presence of Diquaternary Alkylammonium Salts Derived from Dimethylethanolamine. <i>Petroleum Chemistry</i> , 2021 , 61, 815-824 | 1.1 | 1 |
| 270 | Pt and Ru Catalysts Based on Porous Aromatic Frameworks for Hydrogenation of Lignin Biofuel Components. <i>Petroleum Chemistry</i> , 2021 , 61, 711-720 | 1.1 | 1 |
| 269 | Silicoaluminophosphate Molecular Sieves SAPO-11 and SAPO-41: Synthesis, Properties, and Applications for Hydroisomerization of C ₁₆ + 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 C ₁₆ + n-Paraffins. A Review. <i>Applied Catalysis A: General</i> , 2021 , 402, 29-44 | 1.1 | 2 |
| 268 | Tandem hydroformylation/hydrogenation over novel immobilized Rh-containing catalysts based on tertiary amine-functionalized hybrid inorganic-organic materials. <i>Applied Catalysis A: General</i> , 2021 , 623, 118266 | 5.1 | 7 |
| 267 | Silicoaluminophosphate Molecular Sieves SAPO-11 and SAPO-41: Synthesis, Properties, and Applications for Hydroisomerization of C ₁₆ + n-Paraffins. Part 1: Current State of Research on SAPO-11 and SAPO-41 Synthesis (A Review). <i>Petroleum Chemistry</i> , 2021 , 61, 836-851 | 1.1 | 3 |
| 266 | The Effect of Sulfonate Groups in the Structure of Porous Aromatic Frameworks on the Activity of Platinum Catalysts Towards Hydrodeoxygenation of Biofuel Components. <i>Petroleum Chemistry</i> , 2021 , 61, 1061-1070 | 1.1 | 0 |
| 265 | Novel Strained Alicyclic Hydrocarbons Based on 5-Methylene-2-norbornene. <i>Petroleum Chemistry</i> , 2021 , 61, 1033-1039 | 1.1 | 1 |
| 264 | Bizeolite Pt/ZSM-5:ZSM-12/Al ₂ O ₃ catalyst for hydroisomerization of C-8 fraction with various ethylbenzene content. <i>Catalysis Today</i> , 2021 , 378, 83-95 | 5.3 | 6 |
| 263 | A stepwise fabrication of MFI nanosheets in accelerated mode. <i>Catalysis Today</i> , 2021 , 378, 149-157 | 5.3 | 2 |
| 262 | Investigations on the Formation of Transition Metal Phosphides during the Hydrotreating of Light Cycle Oil. <i>Russian Journal of Applied Chemistry</i> , 2021 , 94, 1536-1545 | 0.8 | 0 |

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| 261 | Features of a Three-Phase One-Step Synthesis of Alcohols from CO_2 and H_2 in the Presence of Cu/CuO-Containing Slurries. <i>Petroleum Chemistry</i> , 2020 , 60, 1129-1135 | 1.1 | 0 |
| 260 | The Prospects for Processing Reservoir Oil Sludge into Hydrocarbons by Low-Temperature Hydrogenation in Sorbing Electrochemical Matrices in Comparison with Conventional High-Temperature Hydrocracking. <i>Energies</i> , 2020 , 13, 5362 | 3.1 | 0 |
| 259 | A Detergent Prepared from Iminodiacetate Derivatives of Fats and Polymucosaccharides from Base Hydrolyzates of Protein-Containing Waste. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 333-339 | 0.8 | 1 |
| 258 | Selective Hydrogenation of Phenylacetylene on a Pd-Containing Catalyst Based on a Polymer Layered Substrate. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 258-267 | 0.8 | 0 |
| 257 | Pd/SAPO-41 Bifunctional Catalysts with Enhanced Pd Dispersion Prepared by Ultrasonic-Assisted Impregnation: High Selectivity for n-Hexadecane Hydroisomerization. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 502-511 | 0.8 | 3 |
| 256 | Methyl Formate: How It Can Be Used as Formyl Group Source for Synthesis of Aldehydes via Hydroformylation?. <i>ChemistrySelect</i> , 2020 , 5, 6407-6414 | 1.8 | 5 |
| 255 | Peculiarities of Dispersion of Oil Raw Materials into Aqueous Solutions of Polycomplexones Surfactants. <i>Chemistry and Technology of Fuels and Oils</i> , 2020 , 56, 124-128 | 0.4 | 1 |
| 254 | Ni-Based Nanoparticles on Mesoporous Silica Supports for Single-Stage Arsenic and Chlorine Removal during Diesel Fraction Hydrotreating. <i>ACS Omega</i> , 2020 , 5, 6611-6618 | 3.9 | 3 |
| 253 | Conversion of Methanol to Aromatic-Rich Gasoline over High-Efficiency Bifunctional Catalysts: Green Synthesis of GaZSM-5 Zeolites via Dry-Gel Conversion Strategy. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 127-136 | 0.8 | 0 |
| 252 | Highly Selective MTO Reaction over a Nanosized ZSM-5 Zeolite Modified by Fe via the Low-Temperature Dielectric Barrier Discharge Plasma Method. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 137-148 | 0.8 | 4 |
| 251 | Halloysite as a Zeolite Catalyst Component for Converting Dimethyl Ether Into Hydrocarbons. <i>Chemistry and Technology of Fuels and Oils</i> , 2020 , 55, 682-688 | 0.4 | 11 |
| 250 | Acetone Reaction Pathways as a Model Bio-oxygenate in a Hydrocarbon Medium on Zeolite Y and ZSM-5 Catalysts: In Situ FTIR Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , | 8.3 | 3 |
| 249 | Methane Pyrolysis for Hydrogen Production: Specific Features of Using Molten Metals. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 625-632 | 0.8 | 10 |
| 248 | Hydrocracking of hexadecane to jet fuel components over hierarchical Ru-modified faujasite zeolite. <i>Fuel</i> , 2020 , 278, 118193 | 7.1 | 9 |
| 247 | The Prins condensation between i-butene and formaldehyde over modified BEA and MFI zeolites in liquid phase. <i>Catalysis Communications</i> , 2020 , 138, 105965 | 3.2 | 5 |
| 246 | Effect of Size Factor on the Activity of Zeolites in the Liquid-Phase Cracking of Hydrocarbons. <i>Petroleum Chemistry</i> , 2020 , 60, 30-38 | 1.1 | 1 |
| 245 | Manufacturing of Coal-Based Synthetic Jet Fuels Interchangeable with JET A-1 and T-8B Petroleum Fuels. <i>Petroleum Chemistry</i> , 2020 , 60, 92-103 | 1.1 | 3 |
| 244 | Hydroconversion of 2-methylnaphtalene and dibenzothiophene over sulfide catalysts in the presence of water under CO pressure. <i>Russian Chemical Bulletin</i> , 2020 , 69, 280-288 | 1.7 | 2 |

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| 243 | Design and operation of a pilot plant for syngas to low-aromatic gasoline via DME. <i>Journal of Natural Gas Science and Engineering</i> , 2020 , 78, 103288 | 4.6 | 5 |
| 242 | Catalytic Hydrogenolysis of Solketal on Bifunctional Catalysts with Production of High Octane Components of Motor Fuels. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 108-117 | 0.8 | 3 |
| 241 | Bio-Based Solvents and Gasoline Components From Renewable 2,3-Butanediol and 1,2-Propanediol: Synthesis and Characterization. <i>Molecules</i> , 2020 , 25, | 4.8 | 8 |
| 240 | Synthesis of liquid hydrocarbons enriched with triptane via dimethyl ether conversion over combined catalyst. <i>Russian Chemical Bulletin</i> , 2020 , 69, 691-696 | 1.7 | 2 |
| 239 | Complexation of Thiophene Compounds with Transition Metals as the Key to Understanding the Mechanisms of Desulfurization of Petroleum Products (Review). <i>Petroleum Chemistry</i> , 2020 , 60, 155-165 ^{1.1} | | 2 |
| 238 | Composite Membranes Based on the Poly(1-trimethylsilyl-1-propyne): Influence of the Porous Aromatic Frameworks Produced from the Friedel-Crafts Reaction and Introduced into the Polymer Matrix. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 252-257 | 0.8 | 0 |
| 237 | NiMo sulfide nanosized catalysts from water-soluble precursors for hydrogenation of aromatics under water gas shift conditions. <i>Pure and Applied Chemistry</i> , 2020 , 92, 949-966 | 2.1 | 7 |
| 236 | Evaluation of sulfide catalysts performance in hydrotreating of oil fractions using comprehensive gas chromatography time-of-flight mass spectrometry. <i>Pure and Applied Chemistry</i> , 2020 , 92, 941-948 | 2.1 | 2 |
| 235 | Particular kinetic patterns of heavy oil feedstock hydroconversion in the presence of dispersed nanosize MoS ₂ . <i>Pure and Applied Chemistry</i> , 2020 , 92, 1111-1121 | 2.1 | |
| 234 | The 18th IUPAC International Symposium Macromolecular-Metal Complexes (10-13 June, 2019, Moscow - over Myshkin - Uglich - Moscow). <i>Pure and Applied Chemistry</i> , 2020 , 92, 815-816 | 2.1 | |
| 233 | Ultrafine metal-polymer catalysts based on polyconjugated systems for Fischer-Tropsch synthesis. <i>Pure and Applied Chemistry</i> , 2020 , 92, 977-984 | 2.1 | |
| 232 | The mechanism of promoter-induced zeolite nanosheet crystallization under hydrothermal and microwave irradiation conditions. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1400-1410 | 6.8 | 10 |
| 231 | Primary and secondary reactions in the synthesis of hydrocarbons from dimethyl ether over a Pd-Zn-HZSM-5/Al ₂ O ₃ catalyst. <i>Fuel Processing Technology</i> , 2020 , 199, 106281 | 7.2 | 8 |
| 230 | Manganese and Cobalt Doped Hierarchical Mesoporous Halloysite-Based Catalysts for Selective Oxidation of p-Xylene to Terephthalic Acid. <i>Catalysts</i> , 2020 , 10, 7 | 4 | 10 |
| 229 | In Situ Generated Nanosized Sulfide Ni-W Catalysts Based on Zeolite for the Hydrocracking of the Pyrolysis Fuel Oil into the BTX Fraction. <i>Catalysts</i> , 2020 , 10, 1152 | 4 | 4 |
| 228 | Cyclohexene Epoxidation Catalysts Based on Porous Aromatic Frameworks. <i>Petroleum Chemistry</i> , 2020 , 60, 1087-1093 | 1.1 | 0 |
| 227 | Palladium Catalysts Based on Porous Aromatic Frameworks, Modified with Ethanolamino-Groups, for Hydrogenation of Alkynes, Alkenes and Dienes. <i>Catalysts</i> , 2020 , 10, 1106 | 4 | 5 |
| 226 | Transition Metal Phosphides (Ni, Co, Mo, W) for Hydrodeoxygenation of Biorefinery Products (a Review). <i>Petroleum Chemistry</i> , 2020 , 60, 1109-1128 | 1.1 | 12 |

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|-----|--|------|----|
| 225 | Carbon Dioxide Reforming of Methane. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 765-787 | 0.8 | 5 |
| 224 | Processing of Oil-Tank Sludge by Hydrothermal Dispersion using polycomplexants and Amino-Acid-Salts. <i>Chemistry and Technology of Fuels and Oils</i> , 2020 , 56, 199-204 | 0.4 | 2 |
| 223 | Chemical Conversion of Polymer Wastes into Motor Fuels and Petrochemical Raw Materials (A Review). <i>Petroleum Chemistry</i> , 2020 , 60, 751-761 | 1.1 | 3 |
| 222 | Glycerol to renewable fuel oxygenates. Part II: Gasoline-blending characteristics of glycerol and glycol derivatives with C3-C4 alkyl(idene) substituents. <i>Fuel</i> , 2020 , 280, 118585 | 7.1 | 12 |
| 221 | The Prins Reaction over Heterogeneous Catalysts (a Review). <i>Petroleum Chemistry</i> , 2020 , 60, 723-730 | 1.1 | 3 |
| 220 | Selective Production of Light Olefins from Fischer-Tropsch Synthetic Oil by Catalytic Cracking. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 15875-15883 | 3.9 | 4 |
| 219 | Shape Selectivity in Hydroisomerization of n-Hexadecane over Pd Supported on Zeolites: ZSM-22, ZSM-12 and Beta. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 1427-1437 | 0.8 | 2 |
| 218 | Ruthenium- and Palladium-Containing Catalysts Based on Mesoporous Polymer Nanospheres in Guaiacol Hydrogenation. <i>Petroleum Chemistry</i> , 2020 , 60, 1136-1140 | 1.1 | 2 |
| 217 | Hydroprocessing of furfural over in situ generated nickel phosphide based catalysts in different solvents. <i>Applied Catalysis A: General</i> , 2020 , 608, 117890 | 5.1 | 12 |
| 216 | 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). <i>Petroleum Chemistry</i> , 2020 , 60, 909-922 | 1.1 | 0 |
| 215 | Production of Aromatic Hydrocarbons from Syngas: Principles, Problems, and Prospects. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 933-953 | 0.8 | 3 |
| 214 | Detection of Steady State Multiplicity during Dimethyl Ether Conversion Catalyzed by ZnO/Al ₂ O ₃ Composite: Effect of Coke and Hydrogen Peroxide. <i>Petroleum Chemistry</i> , 2020 , 60, 773-784 | 1.1 | |
| 213 | Features of the Isobutane Alkylation with Butylenes on Zeolite Catalysts. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 1586-1595 | 0.8 | 1 |
| 212 | Cobalt-Containing Dispersion Catalysts for Three-Phase Fischer-Tropsch Synthesis. <i>Frontiers in Chemistry</i> , 2020 , 8, 567848 | 5 | 2 |
| 211 | Selective hydrogenation of terminal alkynes over palladium nanoparticles within the pores of amino-modified porous aromatic frameworks. <i>Catalysis Today</i> , 2020 , 357, 176-184 | 5.3 | 11 |
| 210 | Synthesis and Use of Hydrogenated Polymers. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 715-733 | 0.8 | 2 |
| 209 | Conversion of Oxygenates to Aromatic Hydrocarbons on a Commercial Zeolite Catalyst: Comparison of Ethanol and Dimethyl Ether. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 918-923 | 0.8 | 1 |
| 208 | Ethylene Hydroformylation in the Presence of Rhodium Catalysts in Hydrocarbon-Rich Media: The Stage of Combined Conversion of Refinery Gases to Oxygenates. <i>Petroleum Chemistry</i> , 2019 , 59, 1009-1016 | 11.6 | 6 |

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| 207 | Mechanism of Fischer-Tropsch Synthesis over Nanosized Catalyst Particles: Approaches and Problems of Ab Initio Calculations. <i>Petroleum Chemistry</i> , 2019 , 59, 485-497 | 1.1 | 4 |
| 206 | Friedel-Crafts Synthesis of New Porous Aromatic Frameworks for Stabilizing Gas Transport Properties of Highly Permeable Glassy Polymers. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 199-207 ^{0.8} | | 4 |
| 205 | Activity of Zeolites of Different Types in n-Alkane Cracking in a Three-Phase Reactor. <i>Petroleum Chemistry</i> , 2019 , 59, 596-602 | 1.1 | 1 |
| 204 | Nickel-Mungsten and Nickel-Molybdenum Sulfide Diesel Hydrocarbon Hydrogenation Catalysts Synthesized in Pores of Aromatic Polymer Materials. <i>Petroleum Chemistry</i> , 2019 , 59, 575-580 | 1.1 | 7 |
| 203 | Dimethyl Ether to Olefins over Modified ZSM-5 Based Catalysts Stabilized by Hydrothermal Treatment. <i>Catalysts</i> , 2019 , 9, 485 | 4 | 9 |
| 202 | Theoretical Study of the Mechanism of Catalytic Alkylation of Adamantane with 2,2,4-Trimethylpentane Cracking Products. <i>Petroleum Chemistry</i> , 2019 , 59, 66-70 | 1.1 | 3 |
| 201 | Properties of Nanosized Cobalt-Molybdenum Sulfide Catalyst Formed In Situ from Sulfonium Thiosalt. <i>Petroleum Chemistry</i> , 2019 , 59, 504-510 | 1.1 | 7 |
| 200 | Application of Extended Irreversible Thermodynamics to Nanosized Systems: Effect of Diffusion and Chemical Reactions on the Properties of Ni-W Sulfide Catalysts. <i>Petroleum Chemistry</i> , 2019 , 59, 518-528 ^{1.1} | | 1 |
| 199 | The Role of Zeolite Catalysis in Modern Petroleum Refining: Contribution from Domestic Technologies. <i>Petroleum Chemistry</i> , 2019 , 59, 247-261 | 1.1 | 12 |
| 198 | Thermal depolymerization of polystyrene in highly aromatic hydrocarbon medium. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 142, 104612 | 6 | 9 |
| 197 | Hydroprocessing of Vacuum Gas Oil on NiMo Sulfide Catalyst Supported on an Ordered Mesoporous Polymer. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 300-303 | 0.8 | |
| 196 | The Joint Synthesis of 1,2-Propylene Glycol and Isopropyl Alcohol by the Copper-Catalyzed Hydrogenolysis of Solketal. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 9330-9341 | 8.3 | 8 |
| 195 | Selective semi-hydrogenation of phenyl acetylene by Pd nanocatalysts encapsulated into dendrimer networks. <i>Molecular Catalysis</i> , 2019 , 469, 98-110 | 3.3 | 20 |
| 194 | Synaptotagmin-11 mediates a vesicle trafficking pathway that is essential for development and synaptic plasticity. <i>Genes and Development</i> , 2019 , 33, 365-376 | 12.6 | 20 |
| 193 | Dendrimer-Encapsulated Pd Nanoparticles, Immobilized in Silica Pores, as Catalysts for Selective Hydrogenation of Unsaturated Compounds. <i>ChemistryOpen</i> , 2019 , 8, 358-381 | 2.3 | 14 |
| 192 | Glycerol to renewable fuel oxygenates. Part I: Comparison between solketal and its methyl ether. <i>Fuel</i> , 2019 , 249, 486-495 | 7.1 | 17 |
| 191 | Alkali Earth Catalysts Based on Mesoporous MCM-41 and Al-SBA-15 for Sulfone Removal from Middle Distillates. <i>ACS Omega</i> , 2019 , 4, 12736-12744 | 3.9 | 7 |
| 190 | Ex-Situ Synthesis and Study of Nanosized Mo-Containing Catalyst for Petroleum Residue Hydro-Conversion. <i>Catalysts</i> , 2019 , 9, 649 | 4 | 4 |

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| 189 | Effect of Binder on the Properties of MWW Zeolite Catalysts in Benzene Alkylation with Propylene. <i>Petroleum Chemistry</i> , 2019 , 59, 695-700 | 1.1 | 4 |
| 188 | Effect of Chemical Composition of Zeolite Catalysts on Their Catalytic Properties in Isobutane Alkylation with Butylenes. <i>Petroleum Chemistry</i> , 2019 , 59, 706-710 | 1.1 | |
| 187 | MWW-Type Zeolites: MCM-22, MCM-36, MCM-49, and MCM-56 (A Review). <i>Petroleum Chemistry</i> , 2019 , 59, 788-801 | 1.1 | 10 |
| 186 | Catalytic Decomposition of Methyl Formate in the Presence of Transition Metal Complexes, Phosphine Ligands and Water. <i>Petroleum Chemistry</i> , 2019 , 59, 412-419 | 1.1 | 2 |
| 185 | Synthesis of C ₂ -4 olefins from methanol as a product of methane partial oxidation over zeolite catalyst. <i>Catalysis Communications</i> , 2019 , 129, 105744 | 3.2 | 4 |
| 184 | Catalysts Based on Porous Polyaromatic Frameworks for Deep Oxidative Desulfurization of Model Fuel in Biphasic Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 20562-20572 | 3.9 | 16 |
| 183 | Catalytic system based on nickel(II) acetate and hypophosphorous acid for the selective hydrodeoxygenation of guaiacol. <i>Mendeleev Communications</i> , 2019 , 29, 550-552 | 1.9 | 5 |
| 182 | Diamondoids in Oil and Gas Condensates (Review). <i>Petroleum Chemistry</i> , 2019 , 59, 1108-1117 | 1.1 | 3 |
| 181 | A possible role of paramagnetic states of iron carbides in the fischer-tropsch synthesis selectivity of nanosized slurry catalysts. <i>Journal of Catalysis</i> , 2019 , 380, 32-42 | 7.3 | 2 |
| 180 | Assessment of the Activity of Dispersed Catalysts in Hydrocracking Reactions of Hydrocarbonaceous Feedstock. <i>Petroleum Chemistry</i> , 2019 , 59, 968-974 | 1.1 | 3 |
| 179 | Hydrogenated Styrene-Diene Copolymers as Thickening Additives to Lubricating Oils. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1179-1189 | 0.8 | 2 |
| 178 | Hydrogenation of Indene-Coumarone Resin on Palladium Catalysts for Use in Polymer Adhesives. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1143-1152 | 0.8 | 7 |
| 177 | Ruthenium Catalysts on ZSM-5/MCM-41 Micro-Mesoporous Support for Hydrodeoxygenation of Guaiacol in the Presence of Water. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1170-1178 | 0.8 | 7 |
| 176 | Toxic Effect of 2-ethyl (bicyclo[2.2.1] heptane) on Bacterial Cells. <i>Biotekhnologiya</i> , 2019 , 35, 67-72 | 0.4 | 2 |
| 175 | A Nanospherical Mesoporous Ruthenium-Containing Polymer as a Guaiacol Hydrogenation Catalyst. <i>Petroleum Chemistry</i> , 2019 , 59, 1300-1306 | 1.1 | 5 |
| 174 | Effect of Template Structure on the Zeolite ZSM-12 Crystallization Process Characteristics. <i>Petroleum Chemistry</i> , 2019 , 59, S60-S65 | 1.1 | 3 |
| 173 | Diesel Fraction Hydrotreating in the Presence of Nickel-Mungsten Sulfide Catalyst Particles In Situ Synthesized in Pores of Aromatic Polymers. <i>Petroleum Chemistry</i> , 2019 , 59, S66-S71 | 1.1 | 2 |
| 172 | Kinetics of Hydrogenolysis of Glycerol into 1,2-Propylene Glycol on a Copper Catalyst. <i>Kinetics and Catalysis</i> , 2019 , 60, 802-807 | 1.5 | 2 |

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|-----|---|-----|----|
| 171 | Effect of the Textural Characteristics of Zeolite Catalysts on the Main Indicators of Isobutane Alkylation with Butylenes. <i>Petroleum Chemistry</i> , 2019 , 59, S95-S100 | 1.1 | 1 |
| 170 | Cationic Oligomerization of Octene Fraction under Flow Conditions. <i>Petroleum Chemistry</i> , 2019 , 59, 1264-1268 | | |
| 169 | Influence of Morphology of Zeolite Catalysts on the Main Indicators of the Isobutane Alkylation Reaction with Butylenes. <i>Petroleum Chemistry</i> , 2019 , 59, 1213-1219 | 1.1 | 3 |
| 168 | Production of Ethylene from Ethane Fraction by a Method Alternative to Steam Cracking. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1549-1557 | 0.8 | 3 |
| 167 | Hydro-Oxygenation of Furfural in the Presence of Ruthenium Catalysts Based on Al-HMS Mesoporous Support. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1306-1315 | 0.8 | 1 |
| 166 | Effect of Composition of Cobalt-Molybdenum-Containing Sulfonium Thiosalts on the Hydrogenation Activity of Nanosized Catalysts In Situ Synthesized on Their Basis. <i>Petroleum Chemistry</i> , 2019 , 59, 1285-1292 | 1.1 | 3 |
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| 22 | Chiral Ligands to Support Self-Assembly of [LPdCl] ₃ Trimers via a Set of Secondary Interactions. <i>Organometallics</i> , 2009 , 28, 1027-1031 | 3.8 | 17 |
| 21 | Nanocatalysts based on dendrimers. <i>Pure and Applied Chemistry</i> , 2009 , 81, 2013-2023 | 2.1 | 28 |
| 20 | Molecules-Receptors: Different Approaches to Design Effective Catalysts. <i>Macromolecular Symposia</i> , 2008 , 270, 106-116 | 0.8 | 14 |
| 19 | Design of supramolecular metal complex catalytic systems for petrochemical and organic synthesis. <i>Russian Chemical Bulletin</i> , 2008 , 57, 780-792 | 1.7 | 9 |
| 18 | The catalytic activity of immobilized on modified silica metalloporphyrins bearing antioxidative 2,6-di-tert-butylphenol pendants. <i>Catalysis Communications</i> , 2007 , 8, 2069-2073 | 3.2 | 30 |
| 17 | Oxidation of unsaturated compounds in ionic liquids with the use of cyclodextrin-containing catalytic systems. <i>Petroleum Chemistry</i> , 2007 , 47, 331-336 | 1.1 | 5 |
| 16 | Oxidation of 2-naphthol in the presence of catalysts based on modified β -cyclodextrins. <i>Petroleum Chemistry</i> , 2007 , 47, 402-408 | 1.1 | 4 |
| 15 | Supramolecular catalytic systems in biomimetic oxidation. <i>Russian Chemical Bulletin</i> , 2007 , 56, 621-630 | 1.7 | 8 |
| 14 | Molecular Recognition and Catalysis: from Macrocyclic Receptors to Molecularly Imprinted Metal Complexes. <i>Macromolecular Symposia</i> , 2006 , 235, 39-51 | 0.8 | 16 |
| 13 | Mass spectrometric studies of trifluoromethylated fullerenes. <i>International Journal of Mass Spectrometry</i> , 2006 , 251, 16-22 | 1.9 | 18 |
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| 11 | Supramolecular calixarene-based catalytic systems in the Wacker-oxidation of higher alkenes. <i>Journal of Molecular Catalysis A</i> , 2004 , 217, 59-67 | | 22 |
| 10 | Supramolecular catalytic systems based on calixarenes and cyclodextrins. <i>Macromolecular Symposia</i> , 2003 , 204, 159-174 | 0.8 | 19 |

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| 8 | Aqueous catalysis by novel macromolecule metal complexes with molecular recognition abilities. <i>Polymers for Advanced Technologies</i> , 2001 , 12, 161-168 | 3.2 | 15 |
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| 5 | New catalytic systems for selective oxidation of aromatic compounds by hydrogen peroxide. <i>Catalysis Today</i> , 1998 , 44, 189-198 | 5.3 | 31 |
| 4 | Two-phase wacker oxidation of alkenes catalyzed by water-soluble macromolecular complexes of palladium. <i>Macromolecular Symposia</i> , 1998 , 131, 87-94 | 0.8 | 3 |
| 3 | Molecular design of catalysts on the basis of functionalized poly(ethylene oxide) and block copolymers of ethylene oxide and propylene oxide. <i>Macromolecular Symposia</i> , 1996 , 105, 67-74 | 0.8 | 5 |
| 2 | Macrocomplexes on the basis of functionalized polyethylene glycols and copolymers of ethylene oxide and propylene oxide: synthesis and catalysis. <i>Journal of Molecular Catalysis A</i> , 1996 , 107, 235-240 | | 25 |
| 1 | Catalysis by Soluble Macromolecular Metal Complexes 457-501 | | 9 |