Anton L Maximov

List of Publications by Year in Descending Order

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. *Industrial & Engineering Chemistry Research*, **2022**, 61, 1994-2009	3.9	1
295	Transformations of Carbon Dioxide under Homogeneous Catalysis Conditions (A Review). *Petroleum Chemistry*, **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. *Chemical Engineering Journal*, **2022**, 431, 134228	14.7	0
293	Design and preparation of liquid polycyclic norbornanes as potential high performance fuels for aerospace propulsion. *Fuel Processing Technology*, **2022**, 225, 107056	7.2	2
292	Advances in the Chemistry of Unsaturated Adamantane Derivatives (A Review). *Petroleum Chemistry*, **2022**, 62, 352	1.1	
291	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	21.8	0
290	Supramolecular Effects and Systems in Catalysis. A Review. *Doklady Chemistry*, **2022**, 502, 1-27	0.8	
289	Promising Approaches to Carbon Dioxide Processing Using Heterogeneous Catalysts (A Review). *Petroleum Chemistry*, **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. *Petroleum Chemistry*, **2021**, 61, 1131-1137	1.1	0
287	Hydrogenation of Butadiene–Styrene Rubber over Palladium Nanoparticles Synthesized In Situ: Selection of Stabilizer. *Petroleum Chemistry*, **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. *Molecular Catalysis*, **2021**, 112012	3.3	0
285	Non-phosphorus recyclable Rh/triethanolamine catalytic system for tandem hydroformylation/hydrogenation and hydroaminomethylation of olefins under biphasic conditions. *Molecular Catalysis*, **2021**, 516, 112010	3.3	1
284	Dual-Cycle Mechanism Based Kinetic Model for DME-to-Olefin Synthesis on HZSM-5-Type Catalysts. *Catalysts*, **2021**, 11, 1459	4	1
283	Selective production of γ-valerolactone and ethyl valerate from ethyl levulinate using unsupported nickel phosphide. *Applied Catalysis A: General*, **2021**, 628, 118401	5.1	3
282	The Effect of MoS2 Active Site Dispersion on Suppression of Polycondensation Reactions during Heavy Oil Hydroconversion. *Catalysts*, **2021**, 11, 676	4	0
281	Synthesis of olefins from dimethyl ether in a synthesis gas atmosphere. *Catalysis Communications*, **2021**, 153, 106297	3.2	4
280	Metal-Free Oxidative Desulfurization Catalysts Based on Porous Aromatic Frameworks. *Industrial & Engineering Chemistry Research*, **2021**, 60, 9049-9058	3.9	4

279	Synthesis of Highly Active Nanozeolites Using Methods of Mechanical Milling, Recrystallization, and Dealumination (A Review). *Petroleum Chemistry*, **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. *Catalysts*, **2021**, 11, 776	4	0
277	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	2.8	3
276	Deep aerobic oxidative desulfurization of model fuel by Anderson-type polyoxometalate catalysts. *Catalysis Communications*, **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 H2 under Water gas shift conditions. *Applied Catalysis B: Environmental*, **2021**, 282, 119616	21.8	13
274	Synthesis and properties of high-energy-density hydrocarbons based on 5-vinyl-2-norbornene. *Fuel*, **2021**, 283, 118935	7.1	10
273	One-pot synthesis of short-chain cyclic acetals via tandem hydroformylation–acetalization under biphasic conditions. *Reaction Chemistry and Engineering*, **2021**, 6, 839-844	4.9	1
272	A new precursor for synthesis of nickel-tungsten sulfide aromatic hydrogenation catalyst. *Molecular Catalysis*, **2021**, 502, 111357	3.3	0
271	Crystallization of Zeolites in the Presence of Diquaternary Alkylammonium Salts Derived from Dimethylethanolamine. *Petroleum Chemistry*, **2021**, 61, 815-824	1.1	1
270	Pt and Ru Catalysts Based on Porous Aromatic Frameworks for Hydrogenation of Lignin Biofuel Components. *Petroleum Chemistry*, **2021**, 61, 711-720	1.1	1
269	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	1.1	2
268	Tandem hydroformylation/hydrogenation over novel immobilized Rh-containing catalysts based on tertiary amine-functionalized hybrid inorganic-organic materials. *Applied Catalysis A: General*, **2021**, 623, 118266	5.1	7
267	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	1.1	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. *Petroleum Chemistry*, **2021**, 61, 1061-1070	1.1	0
265	Novel Strained Alicyclic Hydrocarbons Based on 5-Methylene-2-norbornene. *Petroleum Chemistry*, **2021**, 61, 1033-1039	1.1	1
264	Bizeolite Pt/ZSM-5:ZSM-12/Al2O3 catalyst for hydroisomerization of C-8 fraction with various ethylbenzene content. *Catalysis Today*, **2021**, 378, 83-95	5.3	6
263	A stepwise fabrication of MFI nanosheets in accelerated mode. *Catalysis Today*, **2021**, 378, 149-157	5.3	2
262	Investigations on the Formation of Transition Metal Phosphides during the Hydrotreating of Light Cycle Oil. *Russian Journal of Applied Chemistry*, **2021**, 94, 1536-1545	0.8	0

261	Features of a Three-Phase One-Step Synthesis of Alcohols from H_2 and C_2 in the Presence of Cu–Co-Containing Slurries. *Petroleum Chemistry*, **2020**, 60, 1129-1135	1.1	
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. *Energies*, **2020**, 13, 5362	3.1	0
259	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	0.8	1
258	Selective Hydrogenation of Phenylacetylene on a Pd-Containing Catalyst Based on a Polymer Layered Substrate. *Russian Journal of Applied Chemistry*, **2020**, 93, 258-267	0.8	
257	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	0.8	3
256	Methyl Formate: How It Can Be Used as Formyl Group Source for Synthesis of Aldehydes via Hydroformylation?. *ChemistrySelect*, **2020**, 5, 6407-6414	1.8	5
255	Peculiarities of Dispersion of Oil Raw Materials into Aqueous Solutions of Polycomplexones Surfactants. *Chemistry and Technology of Fuels and Oils*, **2020**, 56, 124-128	0.4	1
254	Ni-Based Nanoparticles on Mesoporous Silica Supports for Single-Stage Arsenic and Chlorine Removal during Diesel Fraction Hydrotreating. *ACS Omega*, **2020**, 5, 6611-6618	3.9	3
253	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	0.8	0
252	Highly Selective MTO Reaction over a Nanosized ZSM-5 Zeolite Modified by Fe via the Low-Temperature Dielectric Barrier Discharge Plasma Method. *Russian Journal of Applied Chemistry* , **2020**, 93, 137-148	0.8	4
251	Halloysite as a Zeolite Catalyst Component for Converting Dimethyl Ether Into Hydrocarbons. *Chemistry and Technology of Fuels and Oils*, **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. *ACS Sustainable Chemistry and Engineering*, **2020**,	8.3	3
249	Methane Pyrolysis for Hydrogen Production: Specific Features of Using Molten Metals. *Russian Journal of Applied Chemistry*, **2020**, 93, 625-632	0.8	10
248	Hydrocracking of hexadecane to jet fuel components over hierarchical Ru-modified faujasite zeolite. *Fuel*, **2020**, 278, 118193	7.1	9
247	The Prins condensation between i-butene and formaldehyde over modified BEA and MFI zeolites in liquid phase. *Catalysis Communications*, **2020**, 138, 105965	3.2	5
246	Effect of Size Factor on the Activity of Zeolites in the Liquid-Phase Cracking of Hydrocarbons. *Petroleum Chemistry*, **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. *Petroleum Chemistry*, **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. *Russian Chemical Bulletin*, **2020**, 69, 280-288	1.7	2

243	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	4.6	5
242	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	0.8	3
241	Bio-Based Solvents and Gasoline Components From Renewable 2,3-Butanediol and 1,2-Propanediol: Synthesis and Characterization. *Molecules*, **2020**, 25,	4.8	8
240	Synthesis of liquid hydrocarbons enriched with triptane via dimethyl ether conversion over combined catalyst. *Russian Chemical Bulletin*, **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). *Petroleum Chemistry*, **2020**, 60, 155-165	1.1	2
238	Composite Membranes Based on the Poly(1-trimethylsylyl-1-propine): Influence of the Porous Aromatic Frameworks Produced from the Friedel–Crafts Reaction and Introduced into the Polymer Matrix. *Russian Journal of Applied Chemistry*, **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. *Pure and Applied Chemistry*, **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. *Pure and Applied Chemistry*, **2020**, 92, 941-948	2.1	2
235	Particular kinetic patterns of heavy oil feedstock hydroconversion in the presence of dispersed nanosize MoS2. *Pure and Applied Chemistry*, **2020**, 92, 1111-1121	2.1	
234	The 18th IUPAC International Symposium Macromolecular-Metal Complexes (10–13 June, 2019, Moscow – Tver – Myshkin – Uglich – Moscow). *Pure and Applied Chemistry*, **2020**, 92, 815-816	2.1	
233	Ultrafine metal-polymer catalysts based on polyconjugated systems for Fisher–Tropsch synthesis. *Pure and Applied Chemistry*, **2020**, 92, 977-984	2.1	
232	The mechanism of promoter-induced zeolite nanosheet crystallization under hydrothermal and microwave irradiation conditions. *Inorganic Chemistry Frontiers*, **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/Al2O3 catalyst. *Fuel Processing Technology*, **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. *Catalysts*, **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. *Catalysts*, **2020**, 10, 1152	4	4
228	Cyclohexene Epoxidation Catalysts Based on Porous Aromatic Frameworks. *Petroleum Chemistry*, **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. *Catalysts*, **2020**, 10, 1106	4	5
226	Transition Metal Phosphides (Ni, Co, Mo, W) for Hydrodeoxygenation of Biorefinery Products (a Review). *Petroleum Chemistry*, **2020**, 60, 1109-1128	1.1	12

225	Carbon Dioxide Reforming of Methane. *Russian Journal of Applied Chemistry*, **2020**, 93, 765-787	0.8	5
224	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	0.4	2
223	Chemical Conversion of Polymer Wastes into Motor Fuels and Petrochemical Raw Materials (A Review). *Petroleum Chemistry*, **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. *Fuel*, **2020**, 280, 118585	7.1	12
221	The Prins Reaction over Heterogeneous Catalysts (a Review). *Petroleum Chemistry*, **2020**, 60, 723-730	1.1	3
220	Selective Production of Light Olefins from Fischer□ropsch Synthetic Oil by Catalytic Cracking. *Industrial & Engineering Chemistry Research*, **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. *Russian Journal of Applied Chemistry*, **2020**, 93, 1427-1437	0.8	2
218	Ruthenium- and Palladium-Containing Catalysts Based on Mesoporous Polymer Nanospheres in Guaiacol Hydrogenation. *Petroleum Chemistry*, **2020**, 60, 1136-1140	1.1	2
217	Hydroprocessing of furfural over in situ generated nickel phosphide based catalysts in different solvents. *Applied Catalysis A: General*, **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). *Petroleum Chemistry*, **2020**, 60, 909-922	1.1	0
215	Production of Aromatic Hydrocarbons from Syngas: Principles, Problems, and Prospects. *Russian Journal of Applied Chemistry*, **2020**, 93, 933-953	0.8	3
214	Detection of Steady State Multiplicity during Dimethyl Ether Conversion Catalyzed by ZnO/□Al2O3 Composite: Effect of Coke and Hydrogen Peroxide. *Petroleum Chemistry*, **2020**, 60, 773-784	1.1	
213	Features of the Isobutane Alkylation with Butylenes on Zeolite Catalysts. *Russian Journal of Applied Chemistry*, **2020**, 93, 1586-1595	0.8	1
212	Cobalt-Containing Dispersion Catalysts for Three-Phase Fischer-Tropsch Synthesis. *Frontiers in Chemistry*, **2020**, 8, 567848	5	2
211	Selective hydrogenation of terminal alkynes over palladium nanoparticles within the pores of amino-modified porous aromatic frameworks. *Catalysis Today*, **2020**, 357, 176-184	5.3	11
210	Synthesis and Use of Hydrogenated Polymers. *Russian Journal of Applied Chemistry*, **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. *Russian Journal of Applied Chemistry*, **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. *Petroleum Chemistry*, **2019**, 59, 1009-1016	1.1	6

207	Mechanism of Fischer–Tropsch Synthesis over Nanosized Catalyst Particles: Approaches and Problems of Ab Initio Calculations. *Petroleum Chemistry*, **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. *Russian Journal of Applied Chemistry*, **2019**, 92, 199-207	0.8	4
205	Activity of Zeolites of Different Types in n-Alkane Cracking in a Three-Phase Reactor. *Petroleum Chemistry*, **2019**, 59, 596-602	1.1	1
204	Nickel–Tungsten and Nickel–Molybdenum Sulfide Diesel Hydrocarbon Hydrogenation Catalysts Synthesized in Pores of Aromatic Polymer Materials. *Petroleum Chemistry*, **2019**, 59, 575-580	1.1	7
203	Dimethyl Ether to Olefins over Modified ZSM-5 Based Catalysts Stabilized by Hydrothermal Treatment. *Catalysts*, **2019**, 9, 485	4	9
202	Theoretical Study of the Mechanism of Catalytic Alkylation of Adamantane with 2,2,4-Trimethylpentane Cracking Products. *Petroleum Chemistry*, **2019**, 59, 66-70	1.1	3
201	Properties of Nanosized Cobalt-Molybdenum Sulfide Catalyst Formed In Situ from Sulfonium Thiosalt. *Petroleum Chemistry*, **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. *Petroleum Chemistry*, **2019**, 59, 518-528	1.1	1
199	The Role of Zeolite Catalysis in Modern Petroleum Refining: Contribution from Domestic Technologies. *Petroleum Chemistry*, **2019**, 59, 247-261	1.1	12
198	Thermal depolymerization of polystyrene in highly aromatic hydrocarbon medium. *Journal of Analytical and Applied Pyrolysis*, **2019**, 142, 104612	6	9
197	Hydroprocessing of Vacuum Gas Oil on NiMo Sulfide Catalyst Supported on an Ordered Mesoporous Polymer. *Russian Journal of Applied Chemistry*, **2019**, 92, 300-303	0.8	
196	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	8.3	8
195	Selective semi-hydrogenation of phenyl acetylene by Pd nanocatalysts encapsulated into dendrimer networks. *Molecular Catalysis*, **2019**, 469, 98-110	3.3	20
194	Synaptotagmin-11 mediates a vesicle trafficking pathway that is essential for development and synaptic plasticity. *Genes and Development*, **2019**, 33, 365-376	12.6	20
193	Dendrimer-Encapsulated Pd Nanoparticles, Immobilized in Silica Pores, as Catalysts for Selective Hydrogenation of Unsaturated Compounds. *ChemistryOpen*, **2019**, 8, 358-381	2.3	14
192	Glycerol to renewable fuel oxygenates. Part I: Comparison between solketal and its methyl ether. *Fuel*, **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. *ACS Omega*, **2019**, 4, 12736-12744	3.9	7
190	Ex-Situ Synthesis and Study of Nanosized Mo-Containing Catalyst for Petroleum Residue Hydro-Conversion. *Catalysts*, **2019**, 9, 649	4	4

189	Effect of Binder on the Properties of MWW Zeolite Catalysts in Benzene Alkylation with Propylene. *Petroleum Chemistry*, **2019**, 59, 695-700	1.1	4
188	Effect of Chemical Composition of Zeolite Catalysts on Their Catalytic Properties in Isobutane Alkylation with Butylenes. *Petroleum Chemistry*, **2019**, 59, 706-710	1.1	
187	MWW-Type Zeolites: MCM-22, MCM-36, MCM-49, and MCM-56 (A Review). *Petroleum Chemistry*, **2019**, 59, 788-801	1.1	10
186	Catalytic Decomposition of Methyl Formate in the Presence of Transition Metal Complexes, Phosphine Ligands and Water. *Petroleum Chemistry*, **2019**, 59, 412-419	1.1	2
185	Synthesis of C2–4 olefins from methanol as a product of methane partial oxidation over zeolite catalyst. *Catalysis Communications*, **2019**, 129, 105744	3.2	4
184	Catalysts Based on Porous Polyaromatic Frameworks for Deep Oxidative Desulfurization of Model Fuel in Biphasic Conditions. *Industrial & Engineering Chemistry Research*, **2019**, 58, 20562-20572	3.9	16
183	Catalytic system based on nickel(II) acetate and hypophosphorous acid for the selective hydrodeoxygenation of guaiacol. *Mendeleev Communications*, **2019**, 29, 550-552	1.9	5
182	Diamondoids in Oil and Gas Condensates (Review). *Petroleum Chemistry*, **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. *Journal of Catalysis*, **2019**, 380, 32-42	7.3	2
180	Assessment of the Activity of Dispersed Catalysts in Hydrocracking Reactions of Hydrocarbonaceous Feedstock. *Petroleum Chemistry*, **2019**, 59, 968-974	1.1	3
179	Hydrogenated Styrene–Diene Copolymers as Thickening Additives to Lubricating Oils. *Russian Journal of Applied Chemistry*, **2019**, 92, 1179-1189	0.8	2
178	Hydrogenation of Indene–Coumarone Resin on Palladium Catalysts for Use in Polymer Adhesives. *Russian Journal of Applied Chemistry*, **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. *Russian Journal of Applied Chemistry*, **2019**, 92, 1170-1178	0.8	7
176	Toxic Effect of 2-ethyl (bicyclo[2.2.1] heptane) on Bacterial Cells. *Biotekhnologiya*, **2019**, 35, 67-72	0.4	2
175	A Nanospherical Mesoporous Ruthenium-Containing Polymer as a Guaiacol Hydrogenation Catalyst. *Petroleum Chemistry*, **2019**, 59, 1300-1306	1.1	5
174	Effect of Template Structure on the Zeolite ZSM-12 Crystallization Process Characteristics. *Petroleum Chemistry*, **2019**, 59, S60-S65	1.1	3
173	Diesel Fraction Hydrotreating in the Presence of Nickel–Tungsten Sulfide Catalyst Particles In Situ Synthesized in Pores of Aromatic Polymers. *Petroleum Chemistry*, **2019**, 59, S66-S71	1.1	2
172	Kinetics of Hydrogenolysis of Glycerol into 1,2-Propylene Glycol on a Copper Catalyst. *Kinetics and Catalysis*, **2019**, 60, 802-807	1.5	2

171	Effect of the Textural Characteristics of Zeolite Catalysts on the Main Indicators of Isobutane Alkylation with Butylenes. *Petroleum Chemistry*, **2019**, 59, S95-S100	1.1	1
170	Cationic Oligomerization of Octene Fraction under Flow Conditions. *Petroleum Chemistry*, **2019**, 59, 1264-1268	1.1	2
169	Influence of Morphology of Zeolite Catalysts on the Main Indicators of the Isobutane Alkylation Reaction with Butylenes. *Petroleum Chemistry*, **2019**, 59, 1213-1219	1.1	3
168	Production of Ethylene from Ethane Fraction by a Method Alternative to Steam Cracking. *Russian Journal of Applied Chemistry*, **2019**, 92, 1549-1557	0.8	3
167	Hydro-Oxygenation of Furfural in the Presence of Ruthenium Catalysts Based on Al-HMS Mesoporous Support. *Russian Journal of Applied Chemistry*, **2019**, 92, 1306-1315	0.8	1
166	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	1.1	3
165	Hydrodeoxygenation of Palmitic and Stearic Acids on Phosphide Catalysts Obtained In Situ in Reaction Medium. *Petroleum Chemistry*, **2019**, 59, 1326-1330	1.1	5
164	Dimethyl Ether Conversion to Gasoline Hydrocarbons over Nanosized Zeolite Catalysts: Effect of Modifier Nature. *Petroleum Chemistry*, **2019**, 59, 1331-1336	1.1	3
163	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	5.3	15
162	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	5.3	31
161	Mesoporous Metal Catalysts Templated on Clay Nanotubes. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 61-69	5.1	82
160	Promoted catalysts for hydrogenation of bicyclic aromatic hydrocarbons obtained in situ from molybdenum and tungsten carbonyls. *Petroleum Chemistry*, **2018**, 58, 22-31	1.1	2
159	Core-shell nanoarchitecture: Schiff-base assisted synthesis of ruthenium in clay nanotubes. *Pure and Applied Chemistry*, **2018**, 90, 825-832	2.1	21
158	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	5.1	51
157	Hydrogenation of petroleum resins in the presence of supported sulfide catalysts. *Petroleum Chemistry*, **2018**, 58, 48-55	1.1	10
156	Study of the Oxidation Products of Light Oil Aromatic Compounds Using Ultrahigh Resolution Mass Spectrometry. *Chemistry and Technology of Fuels and Oils*, **2018**, 53, 891-896	0.4	1
155	Aging of thin-film composite membranes based on PTMSP loaded with porous aromatic frameworks. *Journal of Membrane Science*, **2018**, 554, 211-220	9.6	30
154	Selective Levulinic Acid Hydrogenation in the Presence of Hybrid Dendrimer-Based Catalysts. Part I: Monometallic. *ChemCatChem*, **2018**, 10, 222-233	5.2	16

153	Hydrogenation of Aromatic Substrates over Dispersed NiMo Sulfide Catalysts in System H2O/CO. *Petroleum Chemistry*, **2018**, 58, 528-534	1.1	7
152	Chemistry of Dimethyl Ether: Catalytic Synthesis of 1,3-Butadiene. *Petroleum Chemistry*, **2018**, 58, 613-621	1.1	2
151	New Heterogeneous Rh-Containing Catalysts Immobilized on a Hybrid Organic-Inorganic Surface for Hydroformylation of Unsaturated Compounds. *ACS Applied Materials & Interfaces*, **2018**, 10, 26566-26573	9.5	19
150	Study of the Catalytic Stability of Dispersed MolybdenumTungstenNickel Sulfides in Bicyclic Hydrocarbon Hydrogenation Recycles. *Petroleum Chemistry*, **2018**, 58, 564-572	1.1	
149	Obtaining of highly-active catalysts of unsaturated compounds hydrogenation by using supercritical carbon dioxide. *Journal of Supercritical Fluids*, **2018**, 140, 387-393	4.2	6
148	Activity of Supported and In Situ Synthesized Beta Zeolite Catalysts in the Hydrocracking of Vacuum Gas Oil. *Petroleum Chemistry*, **2018**, 58, 651-658	1.1	5
147	Kinetics of the Formation of Solketal in the Presence of Sulfuric Acid. *Kinetics and Catalysis*, **2018**, 59, 504-508	1.5	5
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