Anton L Maximov

List of Publications by Citations

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	Mesoporous Metal Catalysts Templated on Clay Nanotubes. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 61-69	5.1	82
295	Core/Shell Ruthenium–Halloysite Nanocatalysts for Hydrogenation of Phenol. *Industrial & Engineering Chemistry Research*, **2017**, 56, 14043-14052	3.9	69
294	Pd nanoparticles in dendrimers immobilized on silica-polyamine composites as catalysts for selective hydrogenation. *ACS Applied Materials & Interfaces*, **2014**, 6, 8807-16	9.5	58
293	Preparation of high-octane oxygenate fuel components from plant-derived polyols. *Petroleum Chemistry*, **2011**, 51, 61-69	1.1	54
292	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
291	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	3.9	51
290	Copper nanoparticles as active catalysts in hydroxylation of phenol by hydrogen peroxide. *Applied Catalysis A: General*, **2010**, 385, 62-72	5.1	47
289	Supramolecular Catalysts on the Basis of Molecules–Receptors. *Industrial & Engineering Chemistry Research*, **2005**, 44, 8644-8653	3.9	44
288	New approach for highly selective hydrogenation of phenol to cyclohexanone: Combination of rhodium nanoparticles and cyclodextrins. *Catalysis Communications*, **2016**, 73, 63-68	3.2	42
287	Stabilization of gas transport properties of PTMSP with porous aromatic framework: Effect of annealing. *Journal of Membrane Science*, **2016**, 517, 80-90	9.6	39
286	Heterogeneous catalytic conversion of glycerol to oxygenated fuel additives. *Fuel*, **2016**, 172, 310-319	7.1	35
285	Catalytic cracking additives based on mesoporous MCM-41 for sulfur removal. *Fuel Processing Technology*, **2016**, 153, 50-57	7.2	34
284	Ruthenium Nanoparticles Stabilized in Cross-Linked Dendrimer Matrices: Hydrogenation of Phenols in Aqueous Media. *ChemCatChem*, **2015**, 7, 1197-1210	5.2	33
283	Substrate selectivity in byphasic Wacker-oxidation of alkenes in the presence of water-soluble calixarenes. *Journal of Molecular Catalysis A*, **2002**, 184, 11-17		32
282	Synthesis of nickel–tungsten sulfide hydrodearomatization catalysts by the decomposition of oil-soluble precursors. *Petroleum Chemistry*, **2016**, 56, 44-50	1.1	31
281	Ruthenium catalysts based on mesoporous aromatic frameworks for the hydrogenation of arenes. *Reaction Kinetics, Mechanisms and Catalysis*, **2016**, 117, 729-743	1.6	31
280	New catalytic systems for selective oxidation of aromatic compounds by hydrogen peroxide. *Catalysis Today*, **1998**, 44, 189-198	5.3	31

279	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
278	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
277	The catalytic activity of immobilized on modified silica metalloporphyrins bearing antioxidative 2,6-di-tert-butylphenol pendants. *Catalysis Communications*, **2007**, 8, 2069-2073	3.2	30
276	Palladium nanoparticles on dendrimer-containing supports as catalysts for hydrogenation of unsaturated hydrocarbons. *Molecular Catalysis*, **2017**, 440, 107-119	3.3	29
275	Nanocatalysts based on dendrimers. *Pure and Applied Chemistry*, **2009**, 81, 2013-2023	2.1	28
274	Dendrimer-Stabilized Ru Nanoparticles Immobilized in Organo-Silica Materials for Hydrogenation of Phenols. *Catalysts*, **2017**, 7, 86	4	26
273	Development of micro-mesoporous materials with lamellar structure as the support of NiW catalysts. *Microporous and Mesoporous Materials*, **2018**, 263, 150-157	5.3	26
272	Palladium nanoparticles encapsulated in a dendrimer networks as catalysts for the hydrogenation of unsaturated hydrocarbons. *Journal of Molecular Catalysis A*, **2015**, 397, 1-18		25
271	Biphasic Wacker-oxidation of 1-octene catalyzed by palladium complexes with modified Ecyclodextrins. *Journal of Molecular Catalysis A*, **2000**, 157, 25-30		25
270	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		25
269	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	1.1	23
268	Supramolecular calixarene-based catalytic systems in the Wacker-oxidation of higher alkenes. *Journal of Molecular Catalysis A*, **2004**, 217, 59-67		22
267	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	1.1	21
266	Core-shell nanoarchitecture: Schiff-base assisted synthesis of ruthenium in clay nanotubes. *Pure and Applied Chemistry*, **2018**, 90, 825-832	2.1	21
265	Selective semi-hydrogenation of phenyl acetylene by Pd nanocatalysts encapsulated into dendrimer networks. *Molecular Catalysis*, **2019**, 469, 98-110	3.3	20
264	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
263	Ethers and acetals, promising petrochemicals from renewable sources. *Petroleum Chemistry*, **2015**, 55, 1-21	1.1	20
262	Sulfide Catalysts Supported on Porous Aromatic Frameworks for Naphthalene Hydroprocessing. *Catalysts*, **2016**, 6, 122	4	20

261	Oxidative functionalization of adamantanes (review). *Petroleum Chemistry*, **2017**, 57, 183-197	1.1	19
260	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	8.5	19
259	Hydrogenation catalysts based on metal nanoparticles stabilized by organic ligands. *Russian Chemical Bulletin*, **2013**, 62, 1465-1492	1.7	19
258	Alkyne hydrogenation using Pd/Ag hybrid nanocatalysts in surface-immobilized dendrimers. *Applied Organometallic Chemistry*, **2015**, 29, 777-784	3.1	19
257	Catalytic properties of transition metal salts immobilized on nanoporous silica polyamine composites II: hydrogenation. *Applied Organometallic Chemistry*, **2011**, 25, 245-254	3.1	19
256	Supramolecular catalytic systems based on calixarenes and cyclodextrins. *Macromolecular Symposia* , **2003**, 204, 159-174	0.8	19
255	Oxidative desulfurization of diesel fraction with hydrogen peroxide in the presence of catalysts based on transition metals. *Petroleum Chemistry*, **2014**, 54, 48-50	1.1	18
254	Petroleum nanodiamonds: New in diamondoid naphthenes. *Petroleum Chemistry*, **2011**, 51, 86-95	1.1	18
253	Mass spectrometric studies of trifluoromethylated fullerenes. *International Journal of Mass Spectrometry*, **2006**, 251, 16-22	1.9	18
252	Glycerol to renewable fuel oxygenates. Part I: Comparison between solketal and its methyl ether. *Fuel*, **2019**, 249, 486-495	7.1	17
251	Chiral Ligands to Support Self-Assembly of [LPdCl]3 Trimers via a Set of Secondary Interactions. *Organometallics*, **2009**, 28, 1027-1031	3.8	17
250	Choice of a catalyst and technological scheme for synthesis of solketal. *Russian Journal of Applied Chemistry*, **2016**, 89, 1619-1624	0.8	17
249	Selective Levulinic Acid Hydrogenation in the Presence of Hybrid Dendrimer-Based Catalysts. Part I: Monometallic. *ChemCatChem*, **2018**, 10, 222-233	5.2	16
248	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
247	Methylformate as replacement of syngas in one-pot catalytic synthesis of amines from olefins. *Catalysis Science and Technology*, **2014**, 4, 540-547	5.5	16
246	Molecular Recognition and Catalysis: from Macrocyclic Receptors to Molecularly Imprinted Metal Complexes. *Macromolecular Symposia*, **2006**, 235, 39-51	0.8	16
245	Initiated conversion of ethanol to divinyl by the Lebedev reaction. *Petroleum Chemistry*, **2014**, 54, 195-206	1.1	15
244	Hydrogenation of phenols in ionic liquids on rhodium nanoparticles. *Petroleum Chemistry*, **2013**, 53, 157-163	1.1	15

243	Palladium nanoparticles on dendrimer-containing supports as catalysts for hydrogenation of unsaturated hydrocarbons. *Petroleum Chemistry*, **2012**, 52, 289-298	1.1	15
242	Binary palladium carboxylates with electron-donating and electron-withdrawing substituents in the carboxylate ligand: Synthesis and structural studies. The crystal structures of Pd3(μ-CH2ClCO2)6 · CH2Cl2, Pd3(μ-C6H11CO2)6, and Pd3(μ-CMe3CO2)6. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2011**, 37, 625-634	1.6	15
241	Nanostructured Macromolecular Metal Containing Materials in Catalysis. *Macromolecular Symposia*, **2011**, 304, 55-64	0.8	15
240	Aqueous catalysis by novel macromolecule metal complexes with molecular recognition abilities. *Polymers for Advanced Technologies*, **2001**, 12, 161-168	3.2	15
239	Molecular Imprinting Technique for the Design of Cyclodextrin Based Materials and Their Application in Catalysis. *Current Organic Chemistry*, **2010**, 14, 1284-1295	1.7	15
238	Platinum and palladium nanoparticles in modified mesoporous phenol–formaldehyde polymers as hydrogenation catalysts. *Petroleum Chemistry*, **2016**, 56, 109-120	1.1	15
237	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
236	Dendrimer-Encapsulated Pd Nanoparticles, Immobilized in Silica Pores, as Catalysts for Selective Hydrogenation of Unsaturated Compounds. *ChemistryOpen*, **2019**, 8, 358-381	2.3	14
235	Nanoheterogeneous ruthenium-containing catalysts based on dendrimers in the hydrogenation of aromatic compounds under two-phase conditions. *Petroleum Chemistry*, **2016**, 56, 491-502	1.1	14
234	Palladium Catalysts Based on Mesoporous Organic Materials in Semihydrogenation of Alkynes. *Macromolecular Symposia*, **2016**, 363, 57-63	0.8	14
233	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	1.1	14
232	Molecules-Receptors: Different Approaches to Design Effective Catalysts. *Macromolecular Symposia*, **2008**, 270, 106-116	0.8	14
231	Effect of Additives on the Activity of Nickel–Tungsten Sulfide Hydroconversion Catalysts Prepared In Situ from Oil-Soluble Precursors. *Catalysts*, **2018**, 8, 644	4	14
230	Nickel-tungsten sulfide aromatic hydrocarbon hydrogenation catalysts synthesized in situ in a hydrocarbon medium. *Petroleum Chemistry*, **2015**, 55, 470-480	1.1	13
229	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	2.2	13
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227	Isomerization of Xylenes in the Presence of Pt-Containing Catalysts Based on Halloysite Aluminosilicate Nanotubes. *Russian Journal of Applied Chemistry*, **2018**, 91, 1353-1362	0.8	13
226	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	0.8	13

225	The Role of Zeolite Catalysis in Modern Petroleum Refining: Contribution from Domestic Technologies. *Petroleum Chemistry*, **2019**, 59, 247-261	1.1	12
224	Hydroprocessing of Aromatics Using Sulfide Catalysts Supported on Ordered Mesoporous Phenol–Formaldehyde Polymers. *Journal of Inorganic and Organometallic Polymers and Materials*, **2016**, 26, 1253-1258	3.2	12
223	Ultra-low palladium catalysts for phenylacetylene semihydrogenation: Synthesis by modified pulsed laser ablation–deposition. *Applied Catalysis A: General*, **2013**, 464-465, 253-260	5.1	12
222	Dendrimer-based catalysts in Wacker-oxidation: Unexpected selectivity to terminal double bonds. *Journal of Molecular Catalysis A*, **2009**, 297, 73-79		12
221	Transition Metal Phosphides (Ni, Co, Mo, W) for Hydrodeoxygenation of Biorefinery Products (a Review). *Petroleum Chemistry*, **2020**, 60, 1109-1128	1.1	12
220	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
219	Hydroprocessing of furfural over in situ generated nickel phosphide based catalysts in different solvents. *Applied Catalysis A: General*, **2020**, 608, 117890	5.1	12
218	Heterogeneous catalytic conversion of glycerol with n-butyl alcohol. *Petroleum Chemistry*, **2016**, 56, 125-130	1.1	12
217	Glycerol Isopropyl Ethers: Direct Synthesis from Alcohols and Synthesis by the Reduction of Solketal. *ChemCatChem*, **2017**, 9, 2839-2849	5.2	11
216	Catalysis in a dispersion medium for the hydrogenation of aromatics and hydrodearomatization in oil refining. *Pure and Applied Chemistry*, **2017**, 89, 1145-1155	2.1	11
215	Nickel-tungsten sulfide polyaromatic hydrocarbon hydrogenation nanocatalysts prepared in an ionic liquid. *Petroleum Chemistry*, **2015**, 55, 38-44	1.1	11
214	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
213	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	11
212	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
211	Deep aerobic oxidative desulfurization of model fuel by Anderson-type polyoxometalate catalysts. *Catalysis Communications*, **2021**, 149, 106256	3.2	11
210	Methane Pyrolysis for Hydrogen Production: Specific Features of Using Molten Metals. *Russian Journal of Applied Chemistry*, **2020**, 93, 625-632	0.8	10
209	Hydrogenation of petroleum resins in the presence of supported sulfide catalysts. *Petroleum Chemistry*, **2018**, 58, 48-55	1.1	10
208	MWW-Type Zeolites: MCM-22, MCM-36, MCM-49, and MCM-56 (A Review). *Petroleum Chemistry*, **2019**, 59, 788-801	1.1	10

207	Hydrogenation Process for Producing Light Petroleum Resins as Adhesive and Hot-Melt Components (Review). *Petroleum Chemistry*, **2017**, 57, 983-1001	1.1	10
206	Phenol and dihydroxybenzene hydrogenation catalysts based on polyamide dendrimers and rhodium species. *Petroleum Chemistry*, **2014**, 54, 412-419	1.1	10
205	The mechanism of promoter-induced zeolite nanosheet crystallization under hydrothermal and microwave irradiation conditions. *Inorganic Chemistry Frontiers*, **2020**, 7, 1400-1410	6.8	10
204	Manganese and Cobalt Doped Hierarchical Mesoporous Halloysite-Based Catalysts for Selective Oxidation of p-Xylene to Terephthalic Acid. *Catalysts*, **2020**, 10, 7	4	10
203	Hydrogenation of aromatic hydrocarbons over nickel–tungsten sulfide catalysts containing mesoporous aluminosilicates of different nature. *Petroleum Chemistry*, **2016**, 56, 599-606	1.1	10
202	Synthesis and properties of high-energy-density hydrocarbons based on 5-vinyl-2-norbornene. *Fuel*, **2021**, 283, 118935	7.1	10
201	Bimetallic sulfide catalysts based on mesoporous organic supports in the hydrofining of light cycle oil. *Petroleum Chemistry*, **2017**, 57, 855-858	1.1	9
200	Dimethyl Ether to Olefins over Modified ZSM-5 Based Catalysts Stabilized by Hydrothermal Treatment. *Catalysts*, **2019**, 9, 485	4	9
199	Thermal depolymerization of polystyrene in highly aromatic hydrocarbon medium. *Journal of Analytical and Applied Pyrolysis*, **2019**, 142, 104612	6	9
198	Reaction between glycerol and acetone in the presence of ethylene glycol. *Petroleum Chemistry*, **2015**, 55, 140-145	1.1	9
197	Hydrocracking of hexadecane to jet fuel components over hierarchical Ru-modified faujasite zeolite. *Fuel*, **2020**, 278, 118193	7.1	9
196	Application of Zeolite Y-Based Ni–W Supported and In Situ Prepared Catalysts in the Process of Vacuum Gas Oil Hydrocracking. *Petroleum Chemistry*, **2017**, 57, 1287-1294	1.1	9
195	Hydrotreating of Middle-Distillate Fraction on Sulfide Catalysts Containing Crystalline Porous Aluminosilicates. *Petroleum Chemistry*, **2017**, 57, 1151-1155	1.1	9
194	Design of supramolecular metal complex catalytic systems for petrochemical and organic synthesis. *Russian Chemical Bulletin*, **2008**, 57, 780-792	1.7	9
193	Catalysis by Soluble Macromolecular Metal Complexes457-501		9
192	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
191	Bio-Based Solvents and Gasoline Components From Renewable 2,3-Butanediol and 1,2-Propanediol: Synthesis and Characterization. *Molecules*, **2020**, 25,	4.8	8
190	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	1.1	8

189	Nickel–molybdenum sulfide naphthalene hydrogenation catalysts synthesized by the in situ decomposition of oil-soluble precursors. *Petroleum Chemistry*, **2017**, 57, 595-599	1.1	8
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186	Surface active macromolecular and supramolecular complexes: design and catalysis. *Macromolecular Symposia*, **2000**, 156, 137-146	0.8	8
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184	Hydrotreating of Light Cycle Oil over Supported on Porous Aromatic Framework Catalysts. *Catalysts*, **2018**, 8, 397	4	8
183	Mesoporous organo-inorganic hybrid materials as hydrogenation catalysts. *Pure and Applied Chemistry*, **2017**, 89, 1157-1166	2.1	7
182	Nickel–molybdenum and cobalt–molybdenum sulfide hydrogenation and hydrodesulphurization catalysts synthesized in situ from bimetallic precursors. *Catalysis in Industry*, **2017**, 9, 247-256	0.8	7
181	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
180	Properties of Nanosized Cobalt-Molybdenum Sulfide Catalyst Formed In Situ from Sulfonium Thiosalt. *Petroleum Chemistry*, **2019**, 59, 504-510	1.1	7
179	Hydrogenation of Polymeric Petroleum Resins in the Presence of Unsupported Sulfide Nanocatalysts. *Petroleum Chemistry*, **2017**, 57, 1295-1303	1.1	7
178	Hydrogenation of Aromatic Substrates over Dispersed Ni–Mo Sulfide Catalysts in System H2O/CO. *Petroleum Chemistry*, **2018**, 58, 528-534	1.1	7
177	Oxidation of p-Xylene. *Russian Journal of Applied Chemistry*, **2018**, 91, 707-727	0.8	7
176	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
175	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
174	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
173	Catalytic aminomethylation of alkenes in a dimethylformamide medium. *Petroleum Chemistry*, **2012**, 52, 179-185	1.1	7
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171	Synthesis of cyclic acetals by hydroformylation of oct-1-ene in the presence of polyols. *Russian Chemical Bulletin*, **2015**, 64, 943-947	1.7	7
170	Mesoporous organic Pd-containing catalysts for the selective hydrogenation of conjugated hydrocarbons. *Russian Chemical Bulletin*, **2014**, 63, 1710-1716	1.7	7
169	Hydrogenation of aromatic compounds in the presence of dibenzothiophene over bimetallic catalysts containing mesoporous aluminosilicates. *Petroleum Chemistry*, **2013**, 53, 97-101	1.1	7
168	Synthesis of the components of engine fuels on the basis of renewable raw materials: Trends and prospects. *Petroleum Chemistry*, **2010**, 50, 325-331	1.1	7
167	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
166	Hydroconversion of Thiophene Derivatives over Dispersed NiMo Sulfide Catalysts. *Petroleum Chemistry*, **2018**, 58, 1227-1232	1.1	7
165	Tandem Hydroformylation–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	0.8	7
164	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
163	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
162	Oxo Processes Involving Ethylene (a Review). *Petroleum Chemistry*, **2017**, 57, 1137-1140	1.1	6
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160	Preparation of NiW aromatic hydrocarbon hydrogenation catalysts by breaking reverse emulsions or suspensions of a precursor in hydrocarbon feedstock. *Petroleum Chemistry*, **2016**, 56, 131-137	1.1	6
159	Transacetalization of Solketal: A Greener Route to Bioglycerol-Based Speciality Chemicals. *ChemistrySelect*, **2018**, 3, 9759-9766	1.8	6
158	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
157	Flow reactor synthesis of cetane-enhancing fuel additive from 1-butanol. *Fuel Processing Technology*, **2015**, 140, 312-323	7.2	5
156	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
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154	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

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152	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
151	Kinetics of the Formation of Solketal in the Presence of Sulfuric Acid. *Kinetics and Catalysis*, **2018**, 59, 504-508	1.5	5
150	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
149	Hydroisomerization of n-dodecane on bifunctional catalysts containing mesoporous aluminosilicates. *Petroleum Chemistry*, **2012**, 52, 228-232	1.1	5
148	Catalytic system for the synthesis of cyclic ketals from glycerol and lower carbonyl compounds (High-octane fuel bioadditives). *Catalysis in Industry*, **2011**, 3, 11-14	0.8	5
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146	Oxidation of unsaturated compounds in ionic liquids with the use of cyclodextrin-containing catalytic systems. *Petroleum Chemistry*, **2007**, 47, 331-336	1.1	5
145	Molecular design of catalysts on the basis of functionalized poly(ethylene oxide) and block copolymers of ethylene oxide and propylene oxide. *Macromolecular Symposia*, **1996**, 105, 67-74	0.8	5
144	Palladium Catalysts Based on Porous Aromatic Frameworks, Modified with Ethanolamino-Groups, for Hydrogenation of Alkynes, Alkenes and Dienes. *Catalysts*, **2020**, 10, 1106	4	5
143	Carbon Dioxide Reforming of Methane. *Russian Journal of Applied Chemistry*, **2020**, 93, 765-787	0.8	5
142	Hybrid catalysts based on platinum and palladium nanoparticles for the hydrogenation of terpenes under slurry conditions. *Petroleum Chemistry*, **2016**, 56, 1114-1122	1.1	5
141	Cation-exchange resins in the hydroformylation–acetalization tandem reaction. *Petroleum Chemistry*, **2016**, 56, 711-716	1.1	5
140	Hydroconversion of rosin acids in the presence of Pt-containing Al-MMS mesoporous aluminosilicate. *Petroleum Chemistry*, **2016**, 56, 717-723	1.1	5
139	A Nanospherical Mesoporous Ruthenium-Containing Polymer as a Guaiacol Hydrogenation Catalyst. *Petroleum Chemistry*, **2019**, 59, 1300-1306	1.1	5
138	Hydrodeoxygenation of Palmitic and Stearic Acids on Phosphide Catalysts Obtained In Situ in Reaction Medium. *Petroleum Chemistry*, **2019**, 59, 1326-1330	1.1	5
137	Synthesis of ZSM-12 Zeolites with New Templates Based on Salts of Ethanolamines. *Russian Journal of Applied Chemistry*, **2018**, 91, 1957-1962	0.8	5
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135	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	1.1	5
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