

Vladimir V A Likholobov

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201
papers

3,537
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29
h-index

51
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203
ext. papers

3,744
ext. citations

3.2
avg, IF

4.51
L-index

#	Paper	IF	Citations
201	Palladium catalysts on activated carbon supports. <i>Carbon</i> , 2000 , 38, 1241-1255	10.4	188
200	Development of new methods in modern selective organic synthesis: preparation of functionalized molecules with atomic precision. <i>Russian Chemical Reviews</i> , 2014 , 83, 885-985	6.8	153
199	Giant palladium clusters as catalysts of oxidative reactions of olefins and alcohols. <i>Journal of Molecular Catalysis</i> , 1989 , 53, 315-348		152
198	New carbon material as support for catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1987 , 33, 435-440		148
197	Catalytic filamentous carbon. <i>Carbon</i> , 2003 , 41, 1605-1615	10.4	124
196	Iron-containing catalysts of methane decomposition: accumulation of filamentous carbon. <i>Applied Catalysis A: General</i> , 2002 , 228, 53-63	5.1	118
195	Study of ultradispersed diamond powders obtained using explosion energy. <i>Carbon</i> , 1991 , 29, 665-668	10.4	108
194	A novel giant palladium cluster. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 937		108
193	Properties of Pt/C and Pd/C catalysts prepared by reduction with hydrogen of adsorbed metal chlorides. <i>Applied Catalysis A: General</i> , 2000 , 204, 229-240	5.1	83
192	Structure and texture of filamentous carbons produced by methane decomposition on Ni and Ni-Cu catalysts. <i>Carbon</i> , 1997 , 35, 1129-1140	10.4	81
191	Determination of key intermediates for homogeneous water-gas shift reaction and hydrocarbonylation of ethylene to diethyl ketone catalyzed by the $\text{Pd}(\text{OAc})_2\text{-PPh}_3\text{-CF}_3\text{COOH}/\text{H}_2\text{O}$ system. <i>Journal of Molecular Catalysis</i> , 1989 , 52, 27-48		77
190	Catalytic hydrodechlorination of hexachlorobenzene on carbon supported Pd-Ni bimetallic catalysts. <i>Applied Catalysis B: Environmental</i> , 2003 , 40, 293-304	21.8	68
189	On the nature of the interaction of H_2PdCl_4 with the surface of graphite-like carbon materials. <i>Carbon</i> , 1997 , 35, 73-82	10.4	62
188	New carbon-carbonaceous composites for catalysis and adsorption. <i>Reaction Kinetics and Catalysis Letters</i> , 1995 , 54, 381-411		62
187	Complexes of palladium(II) and platinum(II) with the $\text{PW}_{11}\text{O}_{70}\text{B}_9$ heteropolyanion as catalytically active species in benzene oxidation. <i>Journal of Molecular Catalysis A</i> , 1996 , 114, 131-139		53
186	Formation and reactivity of palladium hydride complexes, $[(\text{PPh}_3)_3\text{PdH}]^+$ and $[(\text{PPh}_3)_2\text{Pd}(\text{H})(\text{ECO})\text{Pd}(\text{PPh}_3)_2]^+$, in aqueous trifluoroacetic acid solutions. <i>Journal of Organometallic Chemistry</i> , 1985 , 289, 425-430	2.3	53
185	Liquid phase catalytic hydrodechlorination of chlorobenzene over supported nickel and palladium catalysts: an NMR insight into solvent function. <i>Journal of Molecular Catalysis A</i> , 2000 , 153, 231-236		48

184	Effect of γ -Al ₂ O ₃ hydrothermal treatment on the formation and properties of platinum sites in Pt/ γ -Al ₂ O ₃ catalysts. <i>Applied Catalysis A: General</i> , 2014 , 469, 472-482	5.1	46
183	Surface modification of ultradispersed diamonds. <i>Carbon</i> , 1991 , 29, 817-819	10.4	45
182	Hydroxylation of benzene with oxygen and hydrogen over catalysts containing Group VIII metals and heteropoly compounds. <i>Catalysis Today</i> , 2005 , 99, 193-198	5.3	44
181	Porous carbon materials prepared from C ₁₀ H ₈ hydrocarbons. <i>Catalysis Today</i> , 1998 , 42, 341-345	5.3	43
180	Heterogeneous Catalysts for Halide-Free Carbonylation of Dimethyl Ether. <i>Catalysis Letters</i> , 2002 , 80, 175-179	2.8	42
179	Supported metallic catalysts obtained by anchoring metal complexes on carbon supports. <i>Journal of Molecular Catalysis</i> , 1989 , 55, 109-125		40
178	Amination of benzene and toluene with hydroxylamine in the presence of transition metal redox catalysts. <i>Journal of Molecular Catalysis A</i> , 2000 , 161, 1-9		34
177	¹²⁹ Xe NMR study of carbonaceous materials: effects of surface chemistry and nanotexture. <i>Carbon</i> , 1999 , 37, 591-600	10.4	33
176	New catalyst for the synthesis of dialkyl ketones from olefins, carbon monoxide, and hydrogen. <i>Journal of the Chemical Society Chemical Communications</i> , 1984 , 545		31
175	Relation between structure and catalytic properties of transition metal complexes with heteropolyanion PW ₁₁ O ₇ B ₉ in oxidative reactions. <i>Journal of Molecular Catalysis A</i> , 1997 , 117, 389-396		30
174	Catalytic properties of heteropoly complexes containing Fe(III) ions in benzene oxidation by hydrogen peroxide. <i>Journal of Molecular Catalysis A</i> , 1996 , 111, 81-90		30
173	Synthesis of propylene glycol methyl ether from methanol and propylene oxide over alumina-pillared clays. <i>Applied Catalysis B: Environmental</i> , 2011 , 102, 433-440	21.8	29
172	Catalytic properties of Cr-containing heteropolytungstates in H ₂ O ₂ participated reactions: H ₂ O ₂ decomposition and oxidation of unsaturated hydrocarbons with H ₂ O ₂ . <i>Journal of Molecular Catalysis A</i> , 1996 , 108, 135-143		29
171	Carbon-supported palladium-ruthenium catalyst for hydropurification of terephthalic acid. <i>Applied Catalysis A: General</i> , 2002 , 225, 131-139	5.1	27
170	Transformations of thiophene compounds under catalytic cracking conditions. <i>Applied Catalysis B: Environmental</i> , 2012 , 117-118, 177-184	21.8	26
169	FTIR Spectroscopic Study and CO Hydrogenation on V, Nb, and Ta Oxide Promoted Rh/SiO ₂ Catalysts. <i>Journal of Catalysis</i> , 1997 , 169, 132-142	7.3	26
168	Hydrogen peroxide and oxygen-hydrogen oxidation of aromatic compounds in catalytic systems containing heteropoly compounds. <i>Journal of Hazardous Materials</i> , 2007 , 146, 569-76	12.8	26
167	Sol-gel synthesis, characterization and catalytic activity of mesoporous alumina prepared from boehmite sol by different methods. <i>Journal of Sol-Gel Science and Technology</i> , 2010 , 56, 333-339	2.3	25

166	Propylene oxide synthesis via propene acetoxylation over supported palladium and platinum catalysts followed by cracking of glycol acetates in a melt of potassium acetate. <i>Applied Catalysis A: General</i> , 1993 , 97, 1-15	5.1	24
165	Liquid-phase hydrogenation of acetylene on the Pd/sibunit catalyst in the presence of carbon monoxide. <i>Kinetics and Catalysis</i> , 2011 , 52, 251-257	1.5	23
164	Filamentous carbons as a support for heteropoly acid. <i>Journal of Molecular Catalysis A</i> , 2004 , 211, 131-137		22
163	XPS and TEM study of new carbon material: N-containing catalytic filamentous carbon. <i>Journal of Molecular Catalysis A</i> , 2000 , 158, 413-416		22
162	Hydroformylation of 1-hexene catalyzed by water soluble CoCl ₂ (TPPTS) ₂ in biphasic medium. <i>Journal of Molecular Catalysis A</i> , 2004 , 211, 83-87		21
161	Synthesis and study of acid catalyst 30% WO ₃ /SnO ₂ . <i>Journal of Molecular Catalysis A</i> , 2000 , 158, 435-438		20
160	Supported ammonia synthesis catalysts based on potassium derivatives of anionic ruthenium, osmium and iron carbonyl clusters. The first catalysts on carbon support exhibiting activity in ammonia synthesis in the absence of a specially added electron promoter. <i>Journal of Molecular Catalysis A</i> , 1999 , 139, 219-225		20
159	Investigation of active metal species formation in Pd-promoted sulfated zirconia isomerization catalyst. <i>Applied Catalysis A: General</i> , 2010 , 387, 5-12	5.1	19
158	Liquid-phase oxidation of benzothiophene and dibenzothiophene by cumyl hydroperoxide in the presence of catalysts based on supported metal oxides. <i>Kinetics and Catalysis</i> , 2008 , 49, 644-652	1.5	19
157	Influence of ruthenium addition on sintering of carbon-supported palladium. <i>Applied Catalysis A: General</i> , 2002 , 227, 117-123	5.1	19
156	Structure of polynuclear palladium(ii) hydroxocomplexes formed upon alkaline hydrolysis of palladium(ii) chloride complexes. <i>Russian Chemical Bulletin</i> , 1995 , 44, 1822-1826	1.7	19
155	Carbon materials from the Sibunit family and methods for controlling their properties. <i>Solid Fuel Chemistry</i> , 2014 , 48, 349-355	0.7	18
154	Effect of the acid/base properties of Zr,Al-pillared clays on the catalytic performances in the reaction of propylene oxide with methanol. <i>Applied Catalysis B: Environmental</i> , 2011 , 104, 54-63	21.8	18
153	Formation of platinum sites on layered double hydroxide type basic supports: II. Effect of the nature of the interlayer anion of the layered aluminum-magnesium hydroxides on platinum binding and Pt/MgAlO _x formation. <i>Kinetics and Catalysis</i> , 2011 , 52, 876-885	1.5	17
152	Pyrolysis of methane on a heat-treated FeCrAl coil heated with electric current. <i>Kinetics and Catalysis</i> , 2013 , 54, 199-206	1.5	16
151	Studies of the compositions of Pd(II) hydrolysis products. <i>Russian Chemical Bulletin</i> , 1993 , 42, 634-639	1.7	16
150	Study of Pt/MgAlO _x catalysts in n-decane dehydrogenation. <i>Kinetics and Catalysis</i> , 2015 , 56, 655-662	1.5	15
149	Chemical composition optimization and characterization of the NiO/B ₂ O ₃ -Al ₂ O ₃ system as a catalyst for ethylene oligomerization. <i>Kinetics and Catalysis</i> , 2010 , 51, 404-409	1.5	15

148	Oxidation of hydrocarbons by dioxygen reductively activated on platinum and heteropoly compounds. <i>Journal of Molecular Catalysis A</i> , 2003 , 204-205, 591-597		15
147	Preparation of Polyoxometalate-Stabilized Colloidal Solutions of Palladium Metal and Catalysts Supported on Them. <i>Kinetics and Catalysis</i> , 2000 , 41, 844-852	1.5	15
146	Catalytic properties of a heteronuclear palladium-cobalt complex anchored on phosphinated silica: synergetic effects in propylene hydroformylation. <i>Journal of the Chemical Society Chemical Communications</i> , 1982 , 1286-1287		15
145	Formation of platinum sites on layered double hydroxides type basic supports: I. Effect of the nature of the interlayer anion on the structure characteristics of the layered aluminum-magnesium hydroxide and the formation of an oxide phase. <i>Kinetics and Catalysis</i> , 2011 , 52, 761-769	1.5	14
144	Interaction between Pt(IV) and Pd(II) chloro complexes in solution and on the γ -Al ₂ O ₃ surface. <i>Kinetics and Catalysis</i> , 2010 , 51, 105-112	1.5	14
143	Reactivity of transition-metal-modified, Keggin-type heteropolycomplexes in the homogeneous oxidation of cyclohexane and adamantane. <i>Journal of Molecular Catalysis A</i> , 1997 , 127, 85-94		14
142	Adsorption of H ₃ PW ₁₂ O ₄₀ by porous carbon materials. <i>Russian Chemical Bulletin</i> , 2002 , 51, 243-248	1.7	14
141	Study of the mechanism of ethylene oxidation by palladium(II) complexes containing nitro and/or nitrate ligands in chloroform. <i>Journal of Molecular Catalysis</i> , 1989 , 50, 167-179		14
140	A new superoxo-complex of palladium that oxidizes alkenes to epoxides. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 1768		14
139	The mechanism of formation of ethylene glycol monoacetate from ethylene in the system MeCO ₂ H + LiNO ₃ + Pd(OAc) ₂ . <i>Journal of the Chemical Society Chemical Communications</i> , 1982 , 973		14
138	Liquid-phase hydrodechlorination of polychloroaromatic compounds in the presence of Pd-promoted nickel catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1998 , 65, 177-183		13
137	Anionic ruthenium cluster K ₂ [Ru ₄ (CO) ₁₃] as precursor of catalytically active ruthenium particles and potassium promoter. New efficient ammonia synthesis catalysts based on supported K ₂ [Ru ₄ (CO) ₁₃]. <i>Journal of Molecular Catalysis A</i> , 1998 , 132, 263-265		13
136	²⁷ Al, ¹ H NMR studies of supported LiAlH ₄ and Pd-LiAlH ₄ as reagents for dechlorination of chlorobenzene. <i>Journal of Molecular Catalysis A</i> , 1995 , 101, 237-241		13
135	Synthesis of Pd(II) nitro and nitrate complexes and studies of their reactivity towards oxidation of olefins in organic solvents. <i>Reaction Kinetics and Catalysis Letters</i> , 1987 , 33, 209-214		13
134	A study of intermolecular hydrogen transfer from naphthenes to 1-hexene over zeolite catalysts. <i>Applied Catalysis A: General</i> , 2016 , 516, 153-159	5.1	12
133	New ammonia synthesis catalysts based on supported potassium carbonyl ruthenates as precursors of catalytically active ruthenium particles and potassium promoter. <i>Journal of Molecular Catalysis A</i> , 2004 , 219, 149-153		12
132	Esterification of n-Butanol with Acetic Acid in the Presence of H ₃ PW ₁₂ O ₄₀ Supported on Mesoporous Carbon Materials. <i>Kinetics and Catalysis</i> , 2003 , 44, 778-787	1.5	12
131	Kinetic study of liquid-phase hydrodechlorination of hexachlorobenzene on Ni/C and 2%PdNi/C. <i>Kinetics and Catalysis</i> , 2000 , 41, 25-32	1.5	12

130	Structure of polynuclear palladium(II) hydroxocomplexes and the mechanism of their adsorption by carbon materials. <i>Russian Chemical Bulletin</i> , 1996 , 45, 1296-1302	1.7	12
129	Study on the mechanism of ethylene oxidation by a nitrite complex of palladium in chloroform medium. <i>Journal of Molecular Catalysis</i> , 1986 , 37, 177-188		12
128	Use of platinum carbonyl complexes in the synthesis of Pt/MgAlO _x catalysts. <i>Kinetics and Catalysis</i> , 2013 , 54, 505-510	1.5	11
127	Effect of carbon support nature and palladium content on the properties of Pd/C catalysts in hydrogenation of benzaldehyde. <i>Theoretical and Experimental Chemistry</i> , 2013 , 48, 381-385	1.3	11
126	Mechanical activation of graphite in air: A way to advanced carbon nanomaterials. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 145-154	5.7	11
125	Formation of platinum sites on layered double hydroxide type basic supports: III. Effect of the mechanism of [PtCl ₆] ²⁻ complex binding to aluminum-magnesium layered double hydroxides on the properties of supported platinum in Pt/MgAlO _x catalysts. <i>Kinetics and Catalysis</i> , 2014 , 55, 786-792	1.5	11
124	Study of the effect of a number of oxidizers on variation of composition of surface functional groups, porous structure, and adsorption properties of composite carbon-carbon sorbent. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2010 , 46, 320-324	0.9	11
123	Interaction of platinum and molybdophosphoric heteropoly acid under conditions of catalyst preparation for benzene oxidation to phenol with an O ₂ -H ₂ gas mixture. <i>Kinetics and Catalysis</i> , 2006 , 47, 704-714	1.5	11
122	Preparation of colloidal solutions of noble metals stabilized by polyoxometalates and supported catalysts based on these solutions. <i>Kinetics and Catalysis</i> , 2004 , 45, 870-878	1.5	11
121	FTIR studies of CO chemisorption and reactivity on Rh/SiO ₂ catalysts promoted by niobium oxide. <i>Journal of Molecular Catalysis</i> , 1994 , 92, 217-233		11
120	Structural and substructural parameters of carbon supports sibunit and altunit. <i>Reaction Kinetics and Catalysis Letters</i> , 1992 , 47, 311-317		11
119	Influence of carbon support pretreatment on properties of Pd/C catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1990 , 41, 211-216		11
118	Effective Pd/C catalyst for chlorobenzene and hexachlorobenzene hydrodechlorination by direct pyrolysis of sawdust impregnated with palladium nitrate. <i>Catalysis Communications</i> , 2016 , 77, 37-41	3.2	10
117	Selective dehydrogenation of propane to propene with O ₂ /H ₂ on bifunctional Pt-H ₃ PMo ₁₂ O ₄₀ catalysts. <i>Applied Catalysis A: General</i> , 2014 , 477, 1-7	5.1	10
116	Liquid-phase isobutane alkylation with butenes over aluminum chloride complexes synthesized in situ from activated aluminum and tert-butyl chloride. <i>Kinetics and Catalysis</i> , 2012 , 53, 357-362	1.5	10
115	Chlorobenzene hydrodechlorination catalyst prepared via the pyrolysis of sawdust impregnated with palladium nitrate. <i>Kinetics and Catalysis</i> , 2015 , 56, 764-773	1.5	10
114	Active metal species assembled with heteropoly tungstate anion PW ₉ O ₃₄ for liquid phase hydrocarbon oxidation. <i>Journal of Molecular Catalysis A</i> , 2000 , 158, 429-433		10
113	Effects of the carbon support nature and ruthenium content on the performances of Ru/C catalysts in the liquid-phase hydrogenation of benzaldehyde to benzyl alcohol. <i>Monatshefte für Chemie</i> , 2015 , 146, 923-930	1.4	9

112	Electron Microscopy Investigation of Structural Transformation of Carbon Black under Influence of High-Energy Electron Beam. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015 , 23, 801-806	1.8	9
111	Oxidation of hydrocarbons with dioxygen via peroxide intermediates. <i>Kinetics and Catalysis</i> , 2005 , 46, 204-216	1.5	9
110	The effect of Co and Ir on the activity of the K ₂ [Fe ₂ (CO) ₈]- and K ₂ [Ru ₄ (CO) ₁₃]-based systems in ammonia synthesis.: The synergistic acceleration of the ammonia synthesis over the K ₂ [Fe ₂ (CO) ₈]+K catalysts by iridium. <i>Journal of Molecular Catalysis A</i> , 2001 , 165, 141-147		9
109	Palladium(II), Copper(II), Iron(III), and Vanadium(V) Complexes with Heteropolyanion PW ₉ O ₃₄ : 31P, 183W, 51V NMR and IR Spectroscopy Studies. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2001 , 27, 838-845	1.6	9
108	Heterogenized catalysts for olefin hydroformylation containing cobalt and palladium-cobalt complexes anchored on phosphinated SiO ₂ :a ¹³ C solid-state NMR study. <i>Journal of Molecular Catalysis A</i> , 1996 , 112, 217-233		9
107	Nitro and nitrate palladium complexes in oxidation processes: The mechanism of the formation of 1,1- and 1,2-addition products during ethylene oxidation in chloroform/acetic acid solution. <i>Journal of Molecular Catalysis</i> , 1992 , 73, 115-146		9
106	Development of a method of carbon sorbent modification with polyglycolic acid to create new carbon materials for medical application. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015 , 51, 407-415	0.9	8
105	Hydrogen transfer in transformations of olefin and thiophene compounds for the refining of gasoline fractions. <i>Fuel Processing Technology</i> , 2014 , 128, 251-256	7.2	8
104	Structural transformations in nanoglobular carbon under the action of pulsed high-energy-density electron beam. <i>Technical Physics Letters</i> , 2012 , 38, 301-303	0.7	8
103	Studies of the effect of surface modification of carbon sorbents by poly-N-vinylpyrrolidone using a complex of physicochemical and microbiological methods. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2013 , 49, 430-439	0.9	8
102	Mechanochemical synthesis of nanocrystalline nickel-molybdenum compounds, their morphology and application in catalysis: I. Effect of the Ni: Mo atomic ratio on the structure and properties of nickel-molybdenum compounds prepared under mechanochemical synthesis conditions. <i>Kinetics and Catalysis</i> , 2011 , 52, 886-895	1.5	8
101	Effect of the concentration of Pt(IV) and Pd(II) chloro complexes on the proportions of their ion-exchanged and coordinatively bound species on the Al ₂ O ₃ surface. <i>Kinetics and Catalysis</i> , 2010 , 51, 98-104	1.5	8
100	Interaction of nickel hydroxocarbonate, ammonium paramolybdate, and ammonium metatungstate under mechanical activation. <i>Kinetics and Catalysis</i> , 2010 , 51, 126-130	1.5	8
99	Evolution of the structures and sorption properties of dehydrochlorinated chloropolymers during their thermal conversions. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2009 , 45, 398-402	0.9	8
98	Liquid-phase oxidation of pinene with oxygen catalyzed by carbon-supported platinum metals. <i>Kinetics and Catalysis</i> , 2007 , 48, 38-44	1.5	8
97	Study of the equilibrium of formation of arsenic(III) lacunar heteropolytungstates by Raman spectroscopy. <i>Russian Chemical Bulletin</i> , 2003 , 52, 370-374	1.7	8
96	Acidity of Solutions of Heteropoly Acids with Various Structures and Compositions. <i>Kinetics and Catalysis</i> , 2001 , 42, 30-34	1.5	8
95	Synthesis and study of palladium colloids and related catalysts. <i>Journal of Molecular Catalysis A</i> , 2000 , 158, 461-465		8

94	Gas-phase hydroformylation of propylene on Ru/SiO ₂ catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1991 , 44, 139-146		8
93	Mechanism of catalytic oxidation of olefins by periodic acid in acetic solutions of palladium acetate. <i>Journal of Molecular Catalysis</i> , 1986 , 38, 263-271		8
92	Effect of structural defects in alumina supports on the formation and catalytic properties of the active component of reforming catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013 , 110, 459-470 ^{1.6}		7
91	Effect of the CeZrNd mixed oxide synthesis method in the catalytic combustion of soot. <i>Catalysis Today</i> , 2015 , 253, 77-82	5.3	7
90	Composition and properties of functional groups on surface of carbon sorbents modified by aminocaproic acid. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2011 , 47, 181-190	0.9	7
89	The synergistic acceleration of the ammonia synthesis over the K ₂ [Fe ₂ (CO) ₈] + K catalysts on carbon Bibunit by rhodium. <i>Applied Catalysis A: General</i> , 2001 , 218, 251-256	5.1	7
88	On Metal Blocking in Micropores of Carbon Supports. <i>Reaction Kinetics and Catalysis Letters</i> , 2000 , 71, 165-171		7
87	Promotion effect of carbon on the oxidation of ferrous ions by oxygen in the presence of sodium nitrite. <i>Applied Catalysis A: General</i> , 1995 , 128, 41-52	5.1	7
86	First direct observation of ¹⁰⁵ Pd NMR in solution. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1984 , 33, 1751-1751		7
85	Formose sugars from formaldehyde. <i>Applied Catalysis</i> , 1981 , 1, 237-246		7
84	Improving the performance of Pt-H ₃ PMo ₁₂ O ₄₀ catalysts in the selective dehydrogenation of propane with O ₂ and H ₂ . <i>Catalysis Today</i> , 2015 , 245, 179-185	5.3	6
83	Hydroisomerization of reformed gasoline on the Pt/SO ₂ ZrO ₂ catalyst. <i>Petroleum Chemistry</i> , 2009 , 49, 218-224	1.1	6
82	WO ₃ /MO ₂ (M = Zr, Sn, Ti) heterogeneous acid catalysts: Synthesis, study, and use in cumene hydroperoxide decomposition. <i>Kinetics and Catalysis</i> , 2006 , 47, 564-571	1.5	6
81	Reductive Activation of Dioxygen in Catalytic Systems Including Platinum and Heteropoly Compounds: Oxidation of Cyclohexane. <i>Catalysis Letters</i> , 2002 , 84, 163-168	2.8	6
80	Oxidation of cycloalkenes and methylenecycloalkanes by palladium (II) complexes. <i>Journal of Molecular Catalysis</i> , 1993 , 83, 287-300		6
79	Ruthenium complexes with heteropoly anion PW ₁₁ O ₃₉ and their redox properties. <i>Russian Chemical Bulletin</i> , 1993 , 42, 1294-1300	1.7	6
78	Study of the interaction of platinum hydride complex [(PPh ₃) ₃ PtH] ⁺ with carbon monoxide and ethylene in trifluoroacetic acid solutions. <i>Journal of Organometallic Chemistry</i> , 1989 , 366, 421-425	2.3	6
77	Evidence for formation of aggregates of platinum(II) complexes anchored on phosphinated SiO ₂ by high-resolution electron microscopy. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 733		6

76	Studies of the reasons for the deactivation of palladium(II)-nitrate catalytic systems. <i>Reaction Kinetics and Catalysis Letters</i> , 1982 , 21, 213-218		6
75	Synthesis and characterization of nanostructured hybrid nitrogen- and metal-containing carbon materials. <i>Solid Fuel Chemistry</i> , 2015 , 49, 1-6	0.7	5
74	Mechanochemical synthesis of nanocrystalline nickel-molybdenum compounds and their morphology and application in catalysis: II. Effect of mechanochemical activation parameters (process power density and exposure time) on the composition and structure of nickel-molybdenum compounds. <i>Kinetics and Catalysis</i> , 2014 , 55, 121-129	1.5	5
73	Structure and composition of aluminum oxide films in contact with the liquid In-Ga eutectic. <i>Inorganic Materials</i> , 2009 , 45, 1346-1350	0.9	5
72	New Y(La)-M-O Binary Systems (M = Ca, Sr, or Ba): Synthesis, Physicochemical Characterization, and Application As the Supports of Ruthenium Catalysts for Ammonia Synthesis. <i>Kinetics and Catalysis</i> , 2004 , 45, 541-546	1.5	5
71	A Study of the Acid Properties of Structurally and Compositionally Different Heteropoly Acids in Acetic Acid. <i>Kinetics and Catalysis</i> , 2001 , 42, 785-790	1.5	5
70	The mechanism of the catalytic behaviour of platinum triphenylphosphine complexes in the ethylene hydrocarbonylation. <i>Journal of Molecular Catalysis A</i> , 1995 , 101, 221-235		5
69	High resolution solid state MAS 31P NMR spectra of phosphinated montmorillonite catalysts. <i>Journal of Molecular Catalysis</i> , 1987 , 40, 327-332		5
68	Generation of mechanisms of chemical reactions. Gas phase CO+H ₂ reaction in the absence of catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1984 , 26, 227-233		5
67	Kinetics of ethylene oxidation to EGMA in the presence of PdCl ₂ and Fe(NO ₃) ₃ . <i>Reaction Kinetics and Catalysis Letters</i> , 1982 , 21, 225-229		5
66	On the mechanism of ethylene and propylene insertion into metal-hydroxo bonds. <i>Reaction Kinetics and Catalysis Letters</i> , 1983 , 22, 87-93		5
65	Hydrogenation of ethyl p-nitrobenzoate on Pd/Sibunit catalysts. <i>Solid Fuel Chemistry</i> , 2014 , 48, 364-370	0.7	4
64	Application of new carbon-carbon sorbents to the removal of organic impurities from process liquors in the hydrometallurgy of cobalt. <i>Solid Fuel Chemistry</i> , 2014 , 48, 371-381	0.7	4
63	Quadrupolar magic angle spinning NMR spectra fitted using the Pearson IV function. <i>Solid State Nuclear Magnetic Resonance</i> , 2014 , 63-64, 37-41	3.1	4
62	Carbon Adsorbents with Adjustable Porous Structure Formed in the Chemical Dehydro-Halogenation of Halogenated Polymers. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2011 , 33-40	0.1	4
61	Catalytic properties of platinum-promoted acid cesium salts of molybdophosphoric and molybdovanadophosphoric heteropoly acids in the gas-phase oxidation of benzene to phenol with an O ₂ + H ₂ mixture. <i>Kinetics and Catalysis</i> , 2009 , 50, 205-219	1.5	4
60	Control of the adsorption capacity of a carbon sorbent with respect to protein molecules by surface modification with aminocaproic acid. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 406-413	0.8	4
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