

Orlyk Svitlana M

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Influence of Copper and Silver on Catalytic Performance of MgO/SiO ₂ System for 1,3-Butadiene Production from Aqueous Ethanol. <i>Catalysis Letters</i> , 2022, 152, 921-930.	2.6	5
2	The effect of lanthanum in Cu/La(-Zr)-Si oxide catalysts for aqueous ethanol conversion into 1,3-butadiene. <i>Molecular Catalysis</i> , 2022, 518, 112096.	2.0	6
3	Carbonylation of Methanol Over Nickel-Copper Based Supported Catalysts. <i>Catalysis Letters</i> , 2021, 151, 993-1002.	2.6	1
4	Influence of Acid-Base Surface Characteristics of GAXSIBEA Zeolites on their Catalytic Properties in the Process of Oxidative Dehydrogenation of Propane to Propylene with Participation of CO ₂ . <i>Theoretical and Experimental Chemistry</i> , 2021, 56, 387-395.	0.8	4
5	Catalytic performance of ternary Mg-Al-Ce oxides for ethanol conversion into 1-butanol in a flow reactor. <i>Journal of Fuel Chemistry and Technology</i> , 2021, 49, 347-358.	2.0	6
6	1,3-Butadiene production from aqueous ethanol over ZnO/MgO-SiO ₂ catalysts: Insight into H ₂ O effect on catalytic performance. <i>Applied Catalysis A: General</i> , 2021, 616, 118081.	4.3	21
7	Ga(Nb,Ta)SiBEA zeolites prepared by two-step postsynthesis method: acid-base characteristics and catalytic performance in the dehydrogenation of propane to propylene with CO ₂ . <i>Journal of Porous Materials</i> , 2021, 28, 1511-1522.	2.6	6
8	Carbon-Supported Mg-Al Oxide Hybrid Catalysts for Aqueous Ethanol Conversion into 1-Butanol in a Flow Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 11964-11976.	3.7	8
9	Successive Vapor-Phase Guerbet Condensation of Ethanol and 1-Butanol to 2-Ethyl-1-hexanol over Hydroxyapatite Catalysts in a Flow Reactor. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 17289-17300.	6.7	8
10	Catalytic Conversion of Ethanol Into 1,3-Butadiene: Achievements and Prospects: A Review. <i>Theoretical and Experimental Chemistry</i> , 2020, 56, 213-242.	0.8	29
11	Catalytic Properties of ZnLaZrSi-Oxide Systems in the Process of Obtaining 1,3-Butadiene from Ethanol-Aqueous Mixtures. <i>Theoretical and Experimental Chemistry</i> , 2020, 56, 329-337.	0.8	5
12	Activity of Supported Binary Indium-Cobalt Oxide Catalysts in Reduction of Nitrogen(I, II) Oxides with Carbon Monoxide. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 268-273.	0.5	0
13	Design of Effective Catalysts Based on ZnLaZrSi Oxide Systems for Obtaining 1,3-Butadiene from Aqueous Ethanol. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16600-16611.	6.7	27
14	Effect of Acid-Base Characteristics of In ₂ O ₃ -Al ₂ O ₃ (ZrO ₂) Compositions on Their Catalytic Properties in the Oxidative Dehydrogenation of Propane to Propylene with CO ₂ . <i>Theoretical and Experimental Chemistry</i> , 2019, 55, 207-214.	0.8	10
15	Effect of the Composition of Ethanol-Water Mixtures on the Properties of Oxide (Zn-Zr-Si) and Zeolitic (Ta/SiBEA) Catalysts in the Production of 1,3-Butadiene. <i>Theoretical and Experimental Chemistry</i> , 2019, 55, 266-273.	0.8	11
16	Successive vapour phase Guerbet condensation of ethanol and 1-butanol over Mg-Al oxide catalysts in a flow reactor. <i>Applied Catalysis A: General</i> , 2019, 588, 117265.	4.3	36
17	Effect of ZnO on acid-base properties and catalytic performances of ZnO/ZrO ₂ /SiO ₂ catalysts in 1,3-butadiene production from ethanol-water mixture. <i>Catalysis Science and Technology</i> , 2019, 9, 3964-3978.	4.1	33
18	1,3-Butadiene production from ethanol-water mixtures over Zn-La-Zr-Si oxide catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 127, 903-915.	1.7	15

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19	Production of Methyl Acetate from Methanol in Vapor-Phase Tandem Reactions on Supported Copper–Nickel Catalysts. <i>Theoretical and Experimental Chemistry</i> , 2019, 55, 258-265.	0.8	2
20	The influence of the composition and method of preparation of supported In-, Co-oxide catalysts on their activity in the reduction of N ₂ O and NO by carbon monoxide. <i>Voprosy Khimii i Khimicheskoi Tekhnologii</i> , 2019, , 19-27.	0.4	0
21	Catalytic Activity and Resistance to Sulfur Poisoning of Nickel-Containing Composites Based on Stabilized Zirconia in Tri-reforming of Methane. <i>Theoretical and Experimental Chemistry</i> , 2018, 53, 387-394.	0.8	10
22	Oxidative Reforming of Methane on Structured Nickel–Alumina Catalysts: a Review. <i>Theoretical and Experimental Chemistry</i> , 2018, 54, 293-315.	0.8	13
23	Design of Bifunctional Catalysts Based on Bea Zeolites for Tandem Processes with Participation of Ethanol. <i>Theoretical and Experimental Chemistry</i> , 2018, 54, 255-264.	0.8	3
24	Ethanol Conversion into 1,3-Butadiene by the Lebedev Method over MTaSiBEA Zeolites (M = Ag, Cu, Zn). <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2075-2083.	6.7	83
25	Hydrogen Production in Methanol Reforming on Modified Copper–Zinc Catalysts: A Review. <i>Theoretical and Experimental Chemistry</i> , 2017, 53, 1-16.	0.8	13
26	Structural Functional Design of Catalysts for Oxidation–Reduction Processes Involving Alcohols and Hydrocarbons. <i>Theoretical and Experimental Chemistry</i> , 2017, 53, 315-326.	0.8	6
27	Effect of Cerium Dioxide in NiCl ₂ –CuCl ₂ Compositions Deposited on Activated Carbon on Their Catalytic Properties in the Vapor-Phase Carbonylation of Methanol. <i>Theoretical and Experimental Chemistry</i> , 2016, 52, 233-239.	0.8	5
28	Selective Reduction of Nitrogen Oxides (NO _x) with Oxygenates and Hydrocarbons over Bifunctional Silver–Alumina Catalysts: a Review. <i>Theoretical and Experimental Chemistry</i> , 2016, 52, 133-151.	0.8	16
29	High selectivity of TaSiBEA zeolite catalysts in 1,3-butadiene production from ethanol and acetaldehyde mixture. <i>Catalysis Communications</i> , 2016, 77, 123-126.	3.3	65
30	Influence of partial dealumination of BEA zeolites on physicochemical and catalytic properties of AgAlSiBEA in H ₂ -promoted SCR of NO with ethanol. <i>Microporous and Mesoporous Materials</i> , 2016, 226, 10-18.	4.4	12
31	Structural and Functional Designs of Catalysts for Reduction of Nitrogen (I), (II) Oxides. <i>Adsorption Science and Technology</i> , 2015, 33, 595-600.	3.2	0
32	Decomposition of methanol on ZnO(CeO ₂ , La ₂ O ₃)-CuO-NiO-based monoliths. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 114, 135-145.	1.7	8
33	Selective Reduction of No By C ₃ and C ₈ Alkanes Over Silver Catalysts on Structured Al ₂ O ₃ /Cordierite Supports. <i>Theoretical and Experimental Chemistry</i> , 2015, 51, 122-126.	0.8	4
34	Activity and Stability of Multicomponent Nickel-Containing Catalysts Supported on Zirconia in the Steam Reforming and Oxidative Steam Reforming of Butane. <i>Theoretical and Experimental Chemistry</i> , 2015, 50, 378-383.	0.8	2
35	Effect of Magnesium Oxide on the Catalytic Properties of ZnO-CuO-MgO/Al ₂ O ₃ /Cordierite in Steam and Steam-Oxygen Reforming of Methanol. <i>Theoretical and Experimental Chemistry</i> , 2015, 51, 210-215.	0.8	2
36	Catalytic properties of AgAlBEA and AgSiBEA zeolites in H ₂ -promoted selective reduction of NO with ethanol. <i>Microporous and Mesoporous Materials</i> , 2015, 203, 163-169.	4.4	13

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37	Effect of the Composition of Nickel-Containing Composites Based on Scandium- and Ceriumstabilized Zirconia on Their Catalytic Properties in the Steam Reforming of Butane. <i>Theoretical and Experimental Chemistry</i> , 2014, 50, 237-244.	0.8	2
38	Effect of the composition and structural and size characteristics of composites based on stabilized zirconia and transition metal (Cu, Co, Ni) oxides on their catalytic properties in methane oxidation reactions. <i>Kinetics and Catalysis</i> , 2014, 55, 599-610.	1.0	7
39	Effect of the composition of an oxide coating and the preparation method of block catalysts on their activity in the deep oxidation of methane. <i>Catalysis in Industry</i> , 2014, 6, 88-93.	0.7	5
40	Activity of Rhodium and Palladium Catalysts Immobilized on Functionalized Silica in the Decomposition and Carbonylation of Methanol. <i>Theoretical and Experimental Chemistry</i> , 2013, 49, 248-254.	0.8	1
41	Effect of Palladium on the Activity of Cobalt-Cerium-Zirconium Oxide Catalysts in the Reduction of N ₂ O and NO by Carbon Monoxide. <i>Theoretical and Experimental Chemistry</i> , 2013, 49, 315-319.	0.8	2
42	Structure and size effects on the catalytic properties of complex metal oxide compositions in the oxidative conversion of methane. <i>Theoretical and Experimental Chemistry</i> , 2013, 49, 22-34.	0.8	6
43	Sulfur resistance of binary Cu-Ni-oxide composites based on yttrium-stabilized zirconia doped with Pd, Pt, Rh in the oxidative conversion of methane. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 110, 75-85.	1.7	2
44	Remarkable activity of Ag/Al ₂ O ₃ /cordierite catalysts in SCR of NO with ethanol and butanol. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 691-699.	20.2	22
45	Selective catalytic reduction of NO _x by C ₂ H ₅ OH over Ag/Al ₂ O ₃ /cordierite: Effect of the surface concentration of silver. <i>Catalysis Today</i> , 2012, 191, 38-41.	4.4	16
46	Design of bifunctional catalysts for nitrogen(I), (II) oxides reduction by C ₁ -, C ₃ -C ₄ -hydrocarbons at H ₂ O and SO ₂ presence. <i>Catalysis Today</i> , 2012, 191, 79-86.	4.4	7
47	Role of active components of an Ag/Al ₂ O ₃ /cordierite catalyst in selective reduction of NO by ethanol. <i>Theoretical and Experimental Chemistry</i> , 2012, 48, 258-264.	0.8	5
48	Tri-reforming of methane on structured Ni-containing catalysts. <i>Theoretical and Experimental Chemistry</i> , 2012, 48, 199-205.	0.8	34
49	Effect of nickel oxide on the catalytic properties of ZnO-CuO-NiO/Al ₂ O ₃ /cordierite in hydrogen production from methanol. <i>Theoretical and Experimental Chemistry</i> , 2012, 48, 135-141.	0.8	1
50	Structural functional design of catalysts for conversion of nitrogen(I, II) oxides. <i>Theoretical and Experimental Chemistry</i> , 2012, 48, 73-97.	0.8	15
51	Influence of H ₂ O and SO ₂ on the activity of deposited cobalt oxide catalysts in the processes of reduction of nitrogen(I), (II) oxides with carbon monoxide and C ₃ -C ₄ alkanes. <i>Theoretical and Experimental Chemistry</i> , 2012, 47, 384-389.	0.8	2
52	Carbon dioxide reforming of methane on monolithic Ni/Al ₂ O ₃ -based catalysts. <i>Journal of Natural Gas Chemistry</i> , 2011, 20, 184-190.	1.8	35
53	Reduction of N ₂ O and NO over H-ZSM-5- and ZrO ₂ -supported iron- and cobalt-containing catalysts. <i>Russian Journal of Applied Chemistry</i> , 2010, 83, 1742-1749.	0.5	4
54	Effect of CeO ₂ on the properties of the Pd/Co ₃ O ₄ /cordierite catalyst in the conversion of CO, NO, and hydrocarbons. <i>Theoretical and Experimental Chemistry</i> , 2010, 46, 39-44.	0.8	14

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55	Decomposition and partial oxidation of methanol over metal oxide Cu-Zn-Ce-based monoliths. Reaction Kinetics, Mechanisms and Catalysis, 2010, 101, 343-353.	1.7	12
56	Synthesis of a rhodium(I) carbonyl complex with a chiral aminodiphosphine ligand and its immobilization onto aminopropyl functionalized silica gel. Journal of Coordination Chemistry, 2010, 63, 1107-1117.	2.2	4
57	IR spectroscopic signs of surface intermediates of partial oxidation of propane by nitrogen monoxide on Fe-ZSM-5. Theoretical and Experimental Chemistry, 2009, 45, 131-135.	0.8	0
58	Sulfur resistance and stability of yttrium-stabilized binary Co-Cu and Ni-Cu composites with zirconium dioxide in the oxidative conversion of methane. Theoretical and Experimental Chemistry, 2009, 45, 319-324.	0.8	1
59	Effect of cerium dioxide on the properties of monolithic CuO-ZnO-CeO ₂ /Al ₂ O ₃ /cordierite catalysts in methanol decomposition. Theoretical and Experimental Chemistry, 2009, 45, 338-342.	0.8	5
60	Effect of size and morphology of chromium(III) oxide nanoparticles on their catalytic properties in deep oxidation of methane. Theoretical and Experimental Chemistry, 2009, 45, 368-372.	0.8	4
61	Effect of the composition and method of preparation of iron-containing and cobalt-containing catalysts on the combined reduction of NO and N ₂ O by hydrocarbons. Theoretical and Experimental Chemistry, 2009, 45, 386-391.	0.8	3
62	Structural and functional design of catalytic converters for emissions from internal combustion engines. Kinetics and Catalysis, 2009, 50, 705-714.	1.0	12
63	Effect of platinum, palladium and rhodium on the activity and sulfur resistance of catalysts based on ZrO ₂ in the oxidative conversion of methane. Theoretical and Experimental Chemistry, 2008, 44, 178-182.	0.8	3
64	Combined effect of the redox and acid-base properties of catalysts in redox conversions of nitrogen oxides and methane. Kinetics and Catalysis, 2008, 49, 537-544.	1.0	5
65	Surface Active Sites of Modified Zeolites and Zirconia in the Conversion of Nitrogen(I, II) Oxides. Adsorption Science and Technology, 2007, 25, 23-34.	3.2	4
66	Role of redox and acidic properties of CoO/ZrO ₂ (SO ₄) ₂ catalysts in CH ₄ -SCR of NO. Catalysis Today, 2007, 119, 152-155.	4.4	12
67	Effect of a structure-size factor on the catalytic properties of complex oxide compositions in the reaction of deep methane oxidation. Kinetics and Catalysis, 2007, 48, 414-429.	1.0	19
68	Effect of rhodium on the properties of bifunctional M _x O _y /ZrO ₂ catalysts in the reduction of nitrogen oxides by hydrocarbons. Applied Catalysis B: Environmental, 2007, 70, 58-64.	20.2	11
69	The effect of the carrier nature and the method of preparation of oxide catalysts containing indium on their activity in the selective catalytic reduction of nitrogen monoxide with C ₁ -C ₄ hydrocarbons. Theoretical and Experimental Chemistry, 2007, 43, 114-118.	0.8	3
70	Influence of the composition of carriers based on ZrO ₂ and Al ₂ O ₃ on the properties of cobalt-containing catalysts on the selective reduction of NO with methane. Theoretical and Experimental Chemistry, 2007, 43, 255-260.	0.8	1
71	Effect of the composition of nickel-containing composites based on stabilised zirconia on catalytic activity in methane steam conversion. Theoretical and Experimental Chemistry, 2007, 43, 261-266.	0.8	0
72	Oxidative conversion of methane and methanol on M/Al ₂ O ₃ /cordierite structured metal oxide catalysts (m = Ni, Cu, Zn). Theoretical and Experimental Chemistry, 2007, 43, 325-333.	0.8	3

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73	Effect of structural, redox and acid characteristics of MxOy/ZrO2(Al2O3) (M-Mn, Co, Cr) oxide nanocomposites on their catalytic properties in the deep oxidation of methane. Theoretical and Experimental Chemistry, 2007, 43, 399-404.	0.8	3
74	Conversion of nitrogen(I,II) oxides on nanodispersed [Pt(Pd)-Au]/HY zeolite catalysts. Theoretical and Experimental Chemistry, 2006, 42, 169-174.	0.8	1
75	Influence of the composition of composites based on Y-and Sc-stabilized zirconium dioxide on catalytic properties in the oxidative conversion of methane. Theoretical and Experimental Chemistry, 2006, 42, 197-201.	0.8	4
76	Effect of NO, SO2, and O2 on the conversion of nitrous oxide on iron-containing zeolite catalysts. Theoretical and Experimental Chemistry, 2006, 42, 250-254.	0.8	1
77	Reduction of nitrogen(I) oxide with carbon monoxide and C3-C4 alkanes on Fe-containing zeolite catalysts. Theoretical and Experimental Chemistry, 2005, 41, 37-41.	0.8	1
78	Effect of the Composition of Modified SO4 ²⁻ /ZrO2 on Catalytic Properties in Reduction of NO by Hydrocarbons. Theoretical and Experimental Chemistry, 2005, 41, 129-134.	0.8	2
79	Effect of the Nature of the Oxidizing Agent on Conversion of Finely Dispersed Carbon on Binary Oxide Catalysts. Theoretical and Experimental Chemistry, 2005, 41, 323-328.	0.8	1
80	Effect of alkali metal additives on the activity and selectivity of structured silver catalysts in epoxidation of ethylene by nitrogen(I) oxide. Theoretical and Experimental Chemistry, 2005, 41, 377-381.	0.8	7
81	Direct Decomposition of Nitrogen(I) Oxide on Iron-Containing Zeolite, Zirconium Oxide, and Mixed Catalysts. Theoretical and Experimental Chemistry, 2004, 40, 177-180.	0.8	2
82	Catalytic Properties of (Fe,Al)-MCM-41 in Conversion of CO and Light Alkanes with Participation of Nitrogen Oxides. Theoretical and Experimental Chemistry, 2004, 40, 187-191.	0.8	0
83	Effect of the Structure and Size Factor on the Catalytic Properties of Cobalt-Zirconium Oxide Nanoparticles in Deep Oxidation of Methane. Theoretical and Experimental Chemistry, 2004, 40, 246-253.	0.8	0
84	Title is missing!. Theoretical and Experimental Chemistry, 2003, 39, 184-189.	0.8	3
85	A Nano-Effect in the Generation of Alumomanganese Catalysts for the Deep Oxidation of Methane. Theoretical and Experimental Chemistry, 2003, 39, 247-254.	0.8	2
86	Role of Bifunctionality of ZrO2-Based Oxide Systems in NO Reduction with Lower Hydrocarbons. Kinetics and Catalysis, 2003, 44, 682-691.	1.0	11
87	Deep Oxidation of Methane over Nano-Sized Ferrites with Spinel Structures. Theoretical and Experimental Chemistry, 2003, 39, 322-329.	0.8	6
88	Oxidation of Finely Dispersed Carbon on Coated Oxide Catalysts. Theoretical and Experimental Chemistry, 2003, 39, 330-335.	0.8	2
89	Title is missing!. Theoretical and Experimental Chemistry, 2003, 39, 58-63.	0.8	8
90	Title is missing!. Theoretical and Experimental Chemistry, 2002, 38, 118-124.	0.8	18

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91	Heterogeneous Catalytic Partial Oxidation of C3-C4 Alkanes with Nitrogen Monoxide. Theoretical and Experimental Chemistry, 2002, 38, 195-198.	0.8	1
92	Title is missing!. Theoretical and Experimental Chemistry, 2002, 38, 313-316.	0.8	0
93	Title is missing!. Theoretical and Experimental Chemistry, 2002, 38, 371-374.	0.8	0
94	Role of Adsorption of Reagents in Reduction of NO by Propene on ZrO ₂ -Based Complex Oxide Systems. Theoretical and Experimental Chemistry, 2001, 37, 370-375.	0.8	1
95	Contemporary Problems in the Selective Catalytic Reduction of Nitrogen Oxides (NO _x). Theoretical and Experimental Chemistry, 2001, 37, 135-162.	0.8	9
96	Title is missing!. Theoretical and Experimental Chemistry, 2001, 37, 258-263.	0.8	0
97	Title is missing!. Theoretical and Experimental Chemistry, 2001, 37, 311-314.	0.8	8
98	Catalytic Properties of ZrO ₂ Systems in the Reduction of Nitrogen Oxides by Hydrocarbons. Theoretical and Experimental Chemistry, 2000, 36, 280-285.	0.8	4
99	Influence of alkaline earth metals on the activity and sulfur stability of zeolites in the NO _x ~C ₃ ~C ₄ hydrocarbon selective reduction of NO to nitrogen (SKV) process. Theoretical and Experimental Chemistry, 1999, 35, 297-300.	0.8	0
100	The effect of sulfur dioxide on the activity of modified mordenites in the selective reduction of NO _x . Theoretical and Experimental Chemistry, 1999, 35, 114-119.	0.8	0
101	Influence of synergistic effect on the selective catalytic reduction process NO _x ~C ₃ ~C ₄ on zeolites. Theoretical and Experimental Chemistry, 1999, 35, 348-351.	0.8	2
102	Reduction of NO by C1-C4 hydrocarbons at cobalt-containing zeolites. Theoretical and Experimental Chemistry, 1996, 32, 44-46.	0.8	0
103	Reduction of NO by C1-C4 hydrocarbons on cation-exchanged zeolites. Theoretical and Experimental Chemistry, 1996, 32, 209-212.	0.8	0
104	Effect of SO ₂ on the selective reduction of NO by C ₃ and C ₄ hydrocarbons on a zeolite containing cerium. Theoretical and Experimental Chemistry, 1996, 32, 225-227.	0.8	0
105	Effect of the nature of the ion-exchange cation on the acidity of ZSM-5 zeolites. Theoretical and Experimental Chemistry, 1996, 32, 268-271.	0.8	2
106	Selective reduction of nitrogen oxides by C ₃ -C ₄ hydrocarbons on metal zeolite catalysts. Theoretical and Experimental Chemistry, 1995, 30, 305-309.	0.8	0
107	Selective catalytic reduction of nitrogen oxides by C ₁ , C ₃ , and C ₄ hydrocarbons. Theoretical and Experimental Chemistry, 1994, 29, 66-67.	0.8	0
108	Effect of SO ₂ on the selective catalytic reduction of NO by ammonia. Theoretical and Experimental Chemistry, 1994, 29, 114-116.	0.8	0

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109	Nature of interactions of sulfur dioxide with palladium catalysts. Theoretical and Experimental Chemistry, 1993, 28, 188-190.	0.8	2
110	Hydrogenation of CO and acetylene a fused iron catalyst at atmospheric pressure. Theoretical and Experimental Chemistry, 1991, 26, 580-583.	0.8	0
111	Effect of combination of heterogeneous catalytic reactions with a common reagent on their rates. Reaction Kinetics and Catalysis Letters, 1989, 39, 107-113.	0.6	4
112	Influence of oxygen on reduction of NO by carbon monoxide. Theoretical and Experimental Chemistry, 1989, 25, 266-271.	0.8	1
113	Mechanism of the reaction of CO with NO on palladium catalysts. Theoretical and Experimental Chemistry, 1988, 23, 454-458.	0.8	1
114	Influence of biographical inhomogeneity of the catalyst surface on the multiplicity of stationary states. Theoretical and Experimental Chemistry, 1984, 20, 229-231.	0.8	0
115	Kinetics of CO oxidation on a palladium-containing catalyst. Theoretical and Experimental Chemistry, 1979, 15, 59-61.	0.8	1