Orlyk Svitlana M

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Ethanol Conversion into 1,3-Butadiene by the Lebedev Method over MTaSiBEA Zeolites (M = Ag, Cu, Zn). ACS Sustainable Chemistry and Engineering, 2017, 5, 2075-2083.	6.7	83
2	High selectivity of TaSiBEA zeolite catalysts in 1,3-butadiene production from ethanol and acetaldehyde mixture. Catalysis Communications, 2016, 77, 123-126.	3.3	65
3	Successive vapour phase Guerbet condensation of ethanol and 1-butanol over Mg-Al oxide catalysts in a flow reactor. Applied Catalysis A: General, 2019, 588, 117265.	4.3	36
4	Carbon dioxide reforming of methane on monolithic Ni/Al2O3-based catalysts. Journal of Natural Gas Chemistry, 2011, 20, 184-190.	1.8	35
5	Tri-reforming of methane on structured Ni-containing catalysts. Theoretical and Experimental Chemistry, 2012, 48, 199-205.	0.8	34
6	Effect of ZnO on acidâ€“base properties and catalytic performances of ZnO/ZrO₂â€“SiO₂ catalysts in 1,3-butadiene production from ethanolâ€“water mixture. Catalysis Science and Technology, 2019, 9, 3964-3978.	4.1	33
7	Catalytic Conversion of Ethanol Into 1,3-Butadiene: Achievements and Prospects: A Review. Theoretical and Experimental Chemistry, 2020, 56, 213-242.	0.8	29
8	Design of Effective Catalysts Based on ZnLaZrSi Oxide Systems for Obtaining 1,3-Butadiene from Aqueous Ethanol. ACS Sustainable Chemistry and Engineering, 2020, 8, 16600-16611.	6.7	27
9	Remarkable activity of Ag/Al2O3/cordierite catalysts in SCR of NO with ethanol and butanol. Applied Catalysis B: Environmental, 2013, 140-141, 691-699.	20.2	22
10	1,3-Butadiene production from aqueous ethanol over ZnO/MgO-SiO2 catalysts: Insight into H2O effect on catalytic performance. Applied Catalysis A: General, 2021, 616, 118081.	4.3	21
11	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
12	Title is missing!. Theoretical and Experimental Chemistry, 2002, 38, 118-124.	0.8	18
13	Selective catalytic reduction of NOx by C2H5OH over Ag/Al2O3/cordierite: Effect of the surface concentration of silver. Catalysis Today, 2012, 191, 38-41.	4.4	16
14	Selective Reduction of Nitrogen Oxides (NOx) with Oxygenates and Hydrocarbons over Bifunctional Silverâ€“Alumina Catalysts: a Review. Theoretical and Experimental Chemistry, 2016, 52, 133-151.	0.8	16
15	Structural functional design of catalysts for conversion of nitrogen(I, II) oxides. Theoretical and Experimental Chemistry, 2012, 48, 73-97.	0.8	15
16	1,3-Butadiene production from ethanolâ€“water mixtures over Znâ€“Laâ€“Zrâ€“Si oxide catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2019, 127, 903-915.	1.7	15
17	Effect of CeO2 on the properties of the Pd/Co3O4/cordierite catalyst in the conversion of CO, NO, and hydrocarbons. Theoretical and Experimental Chemistry, 2010, 46, 39-44.	0.8	14
18	Catalytic properties of AgAlBEA and AgSiBEA zeolites in H 2 -promoted selective reduction of NO with ethanol. Microporous and Mesoporous Materials, 2015, 203, 163-169.	4.4	13

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19	Hydrogen Production in Methanol Reforming on Modified Copperâ€“Zinc Catalysts: A Review. Theoretical and Experimental Chemistry, 2017, 53, 1-16.	0.8	13
20	Oxidative Reforming of Methane on Structured Nickelâ€“Alumina Catalysts: a Review. Theoretical and Experimental Chemistry, 2018, 54, 293-315.	0.8	13
21	Role of redox and acidic properties of CoO/ZrO2(SO42â^’) catalysts in CH4-SCR of NO. Catalysis Today, 2007, 119, 152-155.	4.4	12
22	Structural and functional design of catalytic converters for emissions from internal combustion engines. Kinetics and Catalysis, 2009, 50, 705-714.	1.0	12
23	Decomposition and partial oxidation of methanol over metal oxide Cuâ€“Znâ€“Ce-based monoliths. Reaction Kinetics, Mechanisms and Catalysis, 2010, 101, 343-353.	1.7	12
24	Influence of partial dealumination of BEA zeolites on physicochemical and catalytic properties of AgAlSiBEA in H 2 -promoted SCR of NO with ethanol. Microporous and Mesoporous Materials, 2016, 226, 10-18.	4.4	12
25	Role of Bifunctionality of ZrO2-Based Oxide Systems in NO Reduction with Lower Hydrocarbons. Kinetics and Catalysis, 2003, 44, 682-691.	1.0	11
26	Effect of rhodium on the properties of bifunctional MxOy/ZrO2 catalysts in the reduction of nitrogen oxides by hydrocarbons. Applied Catalysis B: Environmental, 2007, 70, 58-64.	20.2	11
27	Effect of the Composition of Ethanolâ€“Water Mixtures on the Properties of Oxide (Zn-Zr-Si) and Zeolitic (Ta/SiBEA) Catalysts in the Production of 1,3-Butadiene. Theoretical and Experimental Chemistry, 2019, 55, 266-273.	0.8	11
28	Catalytic Activity and Resistance to Sulfur Poisoning of Nickel-Containing Composites Based on Stabilized Zirconia in Tri-reforming of Methane. Theoretical and Experimental Chemistry, 2018, 53, 387-394.	0.8	10
29	Effect of Acidâ€“Base Characteristics of In2O3-Al2O3 (ZrO2) Compositions on Their Catalytic Properties in the Oxidative Dehydrogenation of Propane to Propylene with CO2. Theoretical and Experimental Chemistry, 2019, 55, 207-214.	0.8	10
30	Contemporary Problems in the Selective Catalytic Reduction of Nitrogen Oxides (NOx). Theoretical and Experimental Chemistry, 2001, 37, 135-162.	0.8	9
31	Title is missing!. Theoretical and Experimental Chemistry, 2001, 37, 311-314.	0.8	8
32	Title is missing!. Theoretical and Experimental Chemistry, 2003, 39, 58-63.	0.8	8
33	Decomposition of methanol on ZnO(CeO2, La2O3)-CuO-NiO-based monoliths. Reaction Kinetics, Mechanisms and Catalysis, 2015, 114, 135-145.	1.7	8
34	Carbon-Supported Mgâ€“Al Oxide Hybrid Catalysts for Aqueous Ethanol Conversion into 1-Butanol in a Flow Reactor. Industrial & Engineering Chemistry Research, 2021, 60, 11964-11976.	3.7	8
35	Successive Vapor-Phase Guerbet Condensation of Ethanol and 1-Butanol to 2-Ethyl-1-hexanol over Hydroxyapatite Catalysts in a Flow Reactor. ACS Sustainable Chemistry and Engineering, 2021, 9, 17289-17300.	6.7	8
36	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

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37	Design of bifunctional catalysts for nitrogen(I), (II) oxides reduction by C1-, C3â€“C4-hydrocarbons at H2O and SO2 presence. Catalysis Today, 2012, 191, 79-86.	4.4	7
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. Kinetics and Catalysis, 2014, 55, 599-610.	1.0	7
39	Deep Oxidation of Methane over Nano-Sized Ferrites with Spinel Structures. Theoretical and Experimental Chemistry, 2003, 39, 322-329.	0.8	6
40	Structure and size effects on the catalytic properties of complex metal oxide compositions in the oxidative conversion of methane. Theoretical and Experimental Chemistry, 2013, 49, 22-34.	0.8	6
41	Structural Functional Design of Catalysts for Oxidationâ€“Reduction Processes Involving Alcohols and Hydrocarbons. Theoretical and Experimental Chemistry, 2017, 53, 315-326.	0.8	6
42	Catalytic performance of ternary Mg-Al-Ce oxides for ethanol conversion into 1-butanol in a flow reactor. Journal of Fuel Chemistry and Technology, 2021, 49, 347-358.	2.0	6
43	Ga(Nb,Ta)SiBEA zeolites prepared by two-step postsynthesis method: acidâ€“base characteristics and catalytic performance in the dehydrogenation of propane to propylene with CO2. Journal of Porous Materials, 2021, 28, 1511-1522.	2.6	6
44	The effect of lanthanum in Cu/La(-Zr)-Si oxide catalysts for aqueous ethanol conversion into 1,3-butadiene. Molecular Catalysis, 2022, 518, 112096.	2.0	6
45	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
46	Effect of cerium dioxide on the properties of monolithic CuO-ZnO-CeO2/Al2O3/cordierite catalysts in methanol decomposition. Theoretical and Experimental Chemistry, 2009, 45, 338-342.	0.8	5
47	Role of active components of an Ag/Al2O3/cordierite catalyst in selective reduction of NO by ethanol. Theoretical and Experimental Chemistry, 2012, 48, 258-264.	0.8	5
48	Effect of the composition of an oxide coating and the preparation method of block catalysts on their activity in the deep oxidation of methane. Catalysis in Industry, 2014, 6, 88-93.	0.7	5
49	Effect of Cerium Dioxide in NiCl2â€“CuCl2 Compositions Deposited on Activated Carbon on Their Catalytic Properties in the Vapor-Phase Carbonylation of Methanol. Theoretical and Experimental Chemistry, 2016, 52, 233-239.	0.8	5
50	Catalytic Properties of ZnLaZrSi-Oxide Systems in the Process of Obtaining 1,3-Butadiene from Ethanolâ€“Aqueous Mixtures. Theoretical and Experimental Chemistry, 2020, 56, 329-337.	0.8	5
51	Influence of Copper and Silver on Catalytic Performance of MgOâ€“SiO2 System for 1,3-Butadiene Production from Aqueous Ethanol. Catalysis Letters, 2022, 152, 921-930.	2.6	5
52	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
53	Catalytic Properties of ZrO2 Systems in the Reduction of Nitrogen Oxides by Hydrocarbons. Theoretical and Experimental Chemistry, 2000, 36, 280-285.	0.8	4
54	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

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55	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
56	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
57	Reduction of N2O and NO over H-ZSM-5- and ZrO2-supported iron- and cobalt-containing catalysts. Russian Journal of Applied Chemistry, 2010, 83, 1742-1749.	0.5	4
58	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
59	Selective Reduction of No By C3 and C8 Alkanes Over Silver Catalysts on Structured Al2O3/Cordierite Supports. Theoretical and Experimental Chemistry, 2015, 51, 122-126.	0.8	4
60	Influence of Acidâ€“Base Surface Characteristics of GAxSIBEA Zeolites on their Catalytic Properties in the Process of Oxidative Dehydrogenation of Propane to Propylene with Participation of CO2. Theoretical and Experimental Chemistry, 2021, 56, 387-395.	0.8	4
61	Title is missing!. Theoretical and Experimental Chemistry, 2003, 39, 184-189.	0.8	3
62	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 C1-C4 hydrocarbons. Theoretical and Experimental Chemistry, 2007, 43, 114-118.	0.8	3
63	Oxidative conversion of methane and methanol on M/Al2O3/cordierite structured metal oxide catalysts (m = Ni, Cu, Zn). Theoretical and Experimental Chemistry, 2007, 43, 325-333.	0.8	3
64	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
65	Effect of platinum, palladium and rhodium on the activity and sulfur resistance of catalysts based on ZrO2 in the oxidative conversion of methane. Theoretical and Experimental Chemistry, 2008, 44, 178-182.	0.8	3
66	Effect of the composition and method of preparation of iron-containing and cobalt-containing catalysts on the combined reduction of NO and N2O by hydrocarbons. Theoretical and Experimental Chemistry, 2009, 45, 386-391.	0.8	3
67	Design of Bifunctional Catalysts Based on Bea Zeolites for Tandem Processes with Participation of Ethanol. Theoretical and Experimental Chemistry, 2018, 54, 255-264.	0.8	3
68	Nature of interactions of sulfur dioxide with palladium catalysts. Theoretical and Experimental Chemistry, 1993, 28, 188-190.	0.8	2
69	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
70	Influence of synergistic effect on the selective catalytic reduction process NO x â˘'C n H m /O2 on zeolites. Theoretical and Experimental Chemistry, 1999, 35, 348-351.	0.8	2
71	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
72	Oxidation of Finely Dispersed Carbon on Coated Oxide Catalysts. Theoretical and Experimental Chemistry, 2003, 39, 330-335.	0.8	2

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73	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
74	Effect of the Composition of Modified SO 4 2â˜' /ZrO2 on Catalytic Properties in Reduction of NO by Hydrocarbons. Theoretical and Experimental Chemistry, 2005, 41, 129-134.	0.8	2
75	Influence of H2O and SO2 on the activity of deposited cobalt oxide catalysts in the processes of reduction of nitrogen(I), (II) oxides with carbon monoxide and C3-C4 alkanes. Theoretical and Experimental Chemistry, 2012, 47, 384-389.	0.8	2
76	Effect of Palladium on the Activity of Cobaltâ€"Ceriumâ€"Zirconium Oxide Catalysts in the Reduction of N2O and NO by Carbon Monoxide. Theoretical and Experimental Chemistry, 2013, 49, 315-319.	0.8	2
77	Sulfur resistance of binary Cuâ€"Ni-oxide composites based on yttrium-stabilized zirconia doped with Pd, Pt, Rh in the oxidative conversion of methane. Reaction Kinetics, Mechanisms and Catalysis, 2013, 110, 75-85.	1.7	2
78	Effect of the Composition of Nickel-Containing Composites Based on Scandium- and Ceriumstabilized Zirconia on Their Catalytic Properties in the Steam Reforming of Butane. Theoretical and Experimental Chemistry, 2014, 50, 237-244.	0.8	2
79	Activity and Stability of Multicomponent Nickel-Containing Catalysts Supported on Zirconia in the Steam Reforming and Oxidative Steam Reforming of Butane. Theoretical and Experimental Chemistry, 2015, 50, 378-383.	0.8	2
80	Effect of Magnesium Oxide on the Catalytic Properties of ZnO-CuO-MgO/Al2O3/Cordierite in Steam and Steam-Oxygen Reforming of Methanol. Theoretical and Experimental Chemistry, 2015, 51, 210-215.	0.8	2
81	Production of Methyl Acetate from Methanol in Vapor-Phase Tandem Reactions on Supported Copperâ€"Nickel Catalysts. Theoretical and Experimental Chemistry, 2019, 55, 258-265.	0.8	2
82	Kinetics of CO oxidation on a palladium-containing catalyst. Theoretical and Experimental Chemistry, 1979, 15, 59-61.	0.8	1
83	Mechanism of the reaction of CO with NO on palladium catalysts. Theoretical and Experimental Chemistry, 1988, 23, 454-458.	0.8	1
84	Influence of oxygen on reduction of NO by carbon monoxide. Theoretical and Experimental Chemistry, 1989, 25, 266-271.	0.8	1
85	Role of Adsorption of Reagents in Reduction of NO by Propene on ZrO2-Based Complex Oxide Systems. Theoretical and Experimental Chemistry, 2001, 37, 370-375.	0.8	1
86	Heterogeneous Catalytic Partial Oxidation of C3-C4 Alkanes with Nitrogen Monoxide. Theoretical and Experimental Chemistry, 2002, 38, 195-198.	0.8	1
87	Reduction of nitrogen(I) oxide with carbon monoxide and C3â€"C4 alkanes on Fe-containing zeolite catalysts. Theoretical and Experimental Chemistry, 2005, 41, 37-41.	0.8	1
88	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
89	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
90	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

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91	Influence of the composition of carriers based on ZrO2 and Al2O3 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
92	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
93	Effect of nickel oxide on the catalytic properties of ZnO-CuO-NiO/Al2O3/cordierite in hydrogen production from methanol. Theoretical and Experimental Chemistry, 2012, 48, 135-141.	0.8	1
94	Activity of Rhodium and Palladium Catalysts Immobilized on Functionalized Silica in the Decomposition and Carbonylation of Methanol. Theoretical and Experimental Chemistry, 2013, 49, 248-254.	0.8	1
95	Carbonylation of Methanol Over Nickel-Copper Based Supported Catalysts. Catalysis Letters, 2021, 151, 993-1002.	2.6	1
96	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
97	Hydrogenation of CO and acetylene a fused iron catalyst at atmospheric pressure. Theoretical and Experimental Chemistry, 1991, 26, 580-583.	0.8	0
98	Selective catalytic reduction of nitrogen oxides by C1 C3, and C4 hydrocarbons. Theoretical and Experimental Chemistry, 1994, 29, 66-67.	0.8	0
99	Effect of SO2 on the selective catalytic reduction of NO by ammonia. Theoretical and Experimental Chemistry, 1994, 29, 114-116.	0.8	0
100	Selective reduction of nitrogen oxides by C3-C4 hydrocarbons on metal zeolite catalysts. Theoretical and Experimental Chemistry, 1995, 30, 305-309.	0.8	0
101	Reduction of NO by C1-C4 hydrocarbons at cobalt-containing zeolites. Theoretical and Experimental Chemistry, 1996, 32, 44-46.	0.8	0
102	Reduction of NO by C1-C4 hydrocarbons on cation-exchanged zeolites. Theoretical and Experimental Chemistry, 1996, 32, 209-212.	0.8	0
103	Effect of SO2 on the selective reduction of NO by C3 and C4 hydrocarbons on a zeolite containing cerium. Theoretical and Experimental Chemistry, 1996, 32, 225-227.	0.8	0
104	Influence of alkaline earth metals on the activity and sulfur stability of zeolites in the Noxâ˘C3â˘C4 hydrocarbon selective reduction of no to nitrogen (SKV) process. Theoretical and Experimental Chemistry, 1999, 35, 297-300.	0.8	0
105	The effect of sulfur dioxide on the activity of modified mordenites in the selective reduction of Nox. Theoretical and Experimental Chemistry, 1999, 35, 114-119.	0.8	0
106	Title is missing!. Theoretical and Experimental Chemistry, 2001, 37, 258-263.	0.8	0
107	Title is missing!. Theoretical and Experimental Chemistry, 2002, 38, 313-316.	0.8	0
108	Title is missing!. Theoretical and Experimental Chemistry, 2002, 38, 371-374.	0.8	0

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109	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
110	Effect of the Structure and Size Factor on the Catalytic Properties of Cobaltâ€"Zirconium Oxide Nanoparticles in Deep Oxidation of Methane. Theoretical and Experimental Chemistry, 2004, 40, 246-253.	0.8	0
111	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
112	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
113	Structural and Functional Designs of Catalysts for Reduction of Nitrogen (I), (II) Oxides. Adsorption Science and Technology, 2015, 33, 595-600.	3.2	0
114	Activity of Supported Binary Indiumâ€"Cobalt Oxide Catalysts in Reduction of Nitrogen(I, II) Oxides with Carbon Monoxide. Russian Journal of Applied Chemistry, 2020, 93, 268-273.	0.5	0
115	The influence of the composition and method of preparation of supported In-, Co-oxide catalysts on their activity in the reduction of N2O and NO by carbon monoxide. Voprosy Khimii I Khimicheskoi Tekhnologii, 2019, , 19-27.	0.4	0