

Irina I Mikhalenko

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	NASICON Catalysts with Composition $\text{Na}(\text{Cs})_{1-x}2\text{MxZr}_2(\text{PO}_4)_3$ for Transformations of Aliphatic Alcohols. <i>Petroleum Chemistry</i> , 2020, 60, 1176-1183.	0.4	1
2	Relationship between the crystal structure, conductive and catalytic properties of perovskites $\text{Bi}_4\text{Fe}_2\text{V}_2\text{O}_{11}$. <i>Mendeleev Communications</i> , 2019, 29, 541-543.	0.6	0
3	Understanding the electron-accepting sites on the surface of cage zirconium phosphates of NASICON type doped with cobalt, nickel and copper ions. <i>Tsvetnye Metally</i> , 2019, , 28-33.	0.1	0
4	Characteristics of hydrogen sorption/desorption for palladium foil doped by yttrium. <i>Journal of Physics: Conference Series</i> , 2018, 1134, 012040.	0.3	2
5	ACTIVITY OF $\text{Bi}_4\text{V}_2\text{-}2\text{XCU}_2\text{XO}_{11}$ IN THE TRANSFORMATION OF ISOBUTANOL AFTER PLASMA-CHEMICAL TREATMENT. <i>Acta Metallurgica Slovaca</i> , 2018, 24, 75.	0.3	0
6	Ethanol dehydrogenation on copper catalysts with ytterbium stabilized tetragonal ZrO_2 support. <i>Russian Journal of Physical Chemistry A</i> , 2016, 90, 2370-2376.	0.1	7
7	Oxidation of phenol and chlorophenols on platinumized titanium anodes in an acidic medium. <i>Russian Journal of Physical Chemistry A</i> , 2016, 90, 1289-1292.	0.1	0
8	Adsorption of CO_2 on skeletal cobalt and nickel zirconium phosphates after their treatment with high-frequency hydrogen and argon plasma. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016, 52, 793-796.	0.3	0
9	The Role of Structure and Conductivity of Perovskites $\text{Bi}_4\text{V}_2\text{-}2\text{x M}_2\text{x O}_{11}$ ($\text{M} = \text{Cu}^{2+}, \text{Fe}^{3+}, \text{Zr}^{4+}$) in the Catalytic Dehydrogenation of Isobutanol. <i>Russian Journal of Physical Chemistry A</i> , 2016, 90, 771-776.	0.1	2
10	Pyridine adsorption for probing electron-acceptor sites on the surface of titanium oxide with supported silver, copper, and gold ions. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015, 51, 934-938.	0.3	2
11	Reactions of isobutanol over a NASICON-type Ni-containing catalyst activated by plasma treatments. <i>Kinetics and Catalysis</i> , 2015, 56, 476-479.	0.3	5
12	Hydrothermal ethanol conversion on Ag, Cu, Au/ TiO_2 . <i>Russian Journal of Physical Chemistry A</i> , 2014, 88, 1637-1642.	0.1	5
13	Desorption and reactions between alcohols adsorbed on Na-Zr-M phosphates and a compensator ion $\text{M} = \text{Cu}^{2+}, \text{Ni}^{2+}, \text{Co}^{2+}$. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2014, 50, 331-335.	0.3	2
14	Influence of compensator ions in the anionic part of $\text{Na}_3\text{ZrM}(\text{PO}_4)_3$ phosphate with $\text{M} = \text{Zn}, \text{Co}, \text{Cu}$ on the acidity and catalytic activity in reactions of butanol-2. <i>Russian Journal of Physical Chemistry A</i> , 2013, 87, 372-375.	0.1	21
15	Activation of Cu-, Ag-, Au/ ZrO_2 Catalysts for Dehydrogenation of Alcohols by Low-Temperature Oxygen and Hydrogen Plasma. <i>Theoretical and Experimental Chemistry</i> , 2013, 49, 65-69.	0.2	21
16	Isobutanol dehydrogenation on copper-containing bismuth vanadates. <i>Russian Journal of Physical Chemistry A</i> , 2013, 87, 560-564.	0.1	5
17	Effect of plasma-chemical and thermal treatment in oxygen on the activity of $\text{Na}_3\text{ZrM}(\text{PO}_4)_3$ phosphates ($\text{M} = \text{Zn}, \text{Co}, \text{Cu}$) in the transformation of butanol-2. <i>Russian Journal of Physical Chemistry A</i> , 2013, 87, 929-934.	0.1	2
18	Catalytic Activity of Thermally Treated $\text{Li}_3\text{Fe}_2(\text{PO}_4)_3$ in the Conversion of Butan-1-ol. <i>Mendeleev Communications</i> , 2012, 22, 150-151.	0.6	7

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19	Catalytic dehydrogenation of propanol-2 on Na-Zr phosphates containing Cu, Co, and Ni. Russian Journal of Physical Chemistry A, 2012, 86, 935-941.	0.1	17
20	Dehydrogenation of butyl alcohols on NASICON-type solid electrolytes of Na _{1-2x} Cu _x Zr ₂ (PO ₄) ₃ composition. Russian Journal of Physical Chemistry A, 2011, 85, 2109-2114.	0.1	17
21	Dehydration of butanols on copper-containing zirconium orthophosphates. Russian Journal of Physical Chemistry A, 2010, 84, 400-404.	0.1	13
22	Effect of low-temperature treatment on the state of gold hydrosol particles. Russian Journal of Physical Chemistry A, 2010, 84, 1053-1058.	0.1	0
23	The desorption and reactivity of butanol adsorbed on lithium iron phosphate (LISICON) activated in a hydrogen plasma. Russian Journal of Physical Chemistry A, 2010, 84, 2172-2176.	0.1	4
24	The influence of plasma chemical treatments on the activity of the Li ₃ Fe ₂ (PO ₄) ₃ catalyst in butanol-2 transformations. Russian Journal of Physical Chemistry A, 2006, 80, 882-885.	0.1	5
25	Adsorption of carbon dioxide on tantalum oxide coated with palladium chloride. Russian Journal of Physical Chemistry A, 2006, 80, 1528-1531.	0.1	5
26	Properties of copper-containing catalysts on a NASICON support in transformations of butanol. Russian Journal of Physical Chemistry A, 2006, 80, S111-S115.	0.1	1
27	States of Adsorbed Hydrogen and Their Effect on the Reaction of CO Oxidation on Pd and Ta. Kinetics and Catalysis, 2004, 45, 239-246.	0.3	2
28	Effect of Low-Temperature Treatment of Silver Hydrosol on Its Absorption Spectra. Colloid Journal, 2002, 64, 252-255.	0.5	0
29	The effect of doping of the ultradispersed nickel powder by pyrocarbon on oxygen adsorption and O ₂ + CO reaction. Kinetics and Catalysis, 2000, 41, 211-215.	0.3	1