

Irina I Mikhalenko

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Influence of compensator ions in the anionic part of Na ₃ ZrM(PO ₄) ₃ phosphate with M = Zn, Co, Cu on the acidity and catalytic activity in reactions of butanol-2. Russian Journal of Physical Chemistry A, 2013, 87, 372-375.	0.1	21
2	Activation of Cu-, Ag-, Au/ZrO ₂ Catalysts for Dehydrogenation of Alcohols by Low-Temperature Oxygen and Hydrogen Plasma. Theoretical and Experimental Chemistry, 2013, 49, 65-69.	0.2	21
3	Dehydrogenation of butyl alcohols on NASICON-type solid electrolytes of Na _{1-x} Cu _x Zr ₂ (PO ₄) ₃ composition. Russian Journal of Physical Chemistry A, 2011, 85, 2109-2114.	0.1	17
4	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
5	Dehydration of butanols on copper-containing zirconium orthophosphates. Russian Journal of Physical Chemistry A, 2010, 84, 400-404.	0.1	13
6	Catalytic Activity of Thermally Treated Li ₃ Fe ₂ (PO ₄) ₃ in the Conversion of Butan-1-ol. Mendeleev Communications, 2012, 22, 150-151.	0.6	7
7	Ethanol dehydrogenation on copper catalysts with ytterbium stabilized tetragonal ZrO ₂ support. Russian Journal of Physical Chemistry A, 2016, 90, 2370-2376.	0.1	7
8	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
9	Adsorption of carbon dioxide on tantalum oxide coated with palladium chloride. Russian Journal of Physical Chemistry A, 2006, 80, 1528-1531.	0.1	5
10	Isobutanol dehydrogenation on copper-containing bismuth vanadates. Russian Journal of Physical Chemistry A, 2013, 87, 560-564.	0.1	5
11	Hydrothermal ethanol conversion on Ag, Cu, Au/TiO ₂ . Russian Journal of Physical Chemistry A, 2014, 88, 1637-1642.	0.1	5
12	Reactions of isobutanol over a NASICON-type Ni-containing catalyst activated by plasma treatments. Kinetics and Catalysis, 2015, 56, 476-479.	0.3	5
13	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
14	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
15	Effect of plasma-chemical and thermal treatment in oxygen on the activity of Na ₃ ZrM(PO ₄) ₃ phosphates (M = Zn, Co, Cu) in the transformation of butanol-2. Russian Journal of Physical Chemistry A, 2013, 87, 929-934.	0.1	2
16	Desorption and reactions between alcohols adsorbed on Na-Zr-M phosphates and a compensator ion M = Cu ²⁺ , Ni ²⁺ , Co ²⁺ . Protection of Metals and Physical Chemistry of Surfaces, 2014, 50, 331-335.	0.3	2
17	Pyridine adsorption for probing electron-acceptor sites on the surface of titanium oxide with supported silver, copper, and gold ions. Protection of Metals and Physical Chemistry of Surfaces, 2015, 51, 934-938.	0.3	2
18	The Role of Structure and Conductivity of Perovskites Bi ₄ V ₂ O ₁₁ M ₂ (M = Cu ²⁺ , Fe ³⁺ , Zr ⁴⁺) in the Catalytic Dehydrogenation of Isobutanol. Russian Journal of Physical Chemistry A, 2016, 90, 771-776.	0.1	2

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19	Characteristics of hydrogen sorption/desorption for palladium foil doped by yttrium. Journal of Physics: Conference Series, 2018, 1134, 012040.	0.3	2
20	The effect of doping of the ultradispersed nickel powder by pyrocarbon on oxygen adsorption and Oads + CO reaction. Kinetics and Catalysis, 2000, 41, 211-215.	0.3	1
21	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
22	NASICON Catalysts with Composition $\text{Na}(\text{Cs})_{1-x}\text{M}_x\text{Zr}_2(\text{PO}_4)_3$ for Transformations of Aliphatic Alcohols. Petroleum Chemistry, 2020, 60, 1176-1183.	0.4	1
23	Effect of Low-Temperature Treatment of Silver Hydrosol on Its Absorption Spectra. Colloid Journal, 2002, 64, 252-255.	0.5	0
24	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
25	Oxidation of phenol and chlorophenols on platinized titanium anodes in an acidic medium. Russian Journal of Physical Chemistry A, 2016, 90, 1289-1292.	0.1	0
26	Adsorption of CO ₂ on skeletal cobalt and nickel zirconium phosphates after their treatment with high-frequency hydrogen and argon plasma. Protection of Metals and Physical Chemistry of Surfaces, 2016, 52, 793-796.	0.3	0
27	Relationship between the crystal structure, conductive and catalytic properties of perovskites $\text{Bi}_4\text{Fe}_2\text{V}_2\text{O}_{11}$. Mendeleev Communications, 2019, 29, 541-543.	0.6	0
28	ACTIVITY OF $\text{Bi}_4\text{V}_2\text{XCu}_2\text{O}_{11}$ IN THE TRANSFORMATION OF ISOBUTANOL AFTER PLASMA-CHEMICAL TREATMENT. Acta Metallurgica Slovaca, 2018, 24, 75.	0.3	0
29	Understanding the electron-accepting sites on the surface of cage zirconium phosphates of NASICON type doped with cobalt, nickel and copper ions. Tsvetnye Metally, 2019, , 28-33.	0.1	0