

# Irina I Mikhalenko

## List of Publications by Year in descending order

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29  
papers

147  
citations

1307594

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1199594

12  
g-index

31  
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times ranked

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citing authors

#	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.	1.4	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.	1.6	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.	0.2	0
4	Characteristics of hydrogen sorption/desorption for palladium foil doped by yttrium. <i>Journal of Physics: Conference Series</i> , 2018, 1134, 012040.	0.4	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.	0.7	0
6	Ethanol dehydrogenation on copper catalysts with ytterbium stabilized tetragonal $\text{ZrO}_2$ support. <i>Russian Journal of Physical Chemistry A</i> , 2016, 90, 2370-2376.	0.6	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.	0.6	0
8	Adsorption of $\text{CO}_2$ 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.	1.1	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.	0.6	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.	1.1	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.	1.0	5
12	Hydrothermal ethanol conversion on Ag, Cu, Au/ $\text{TiO}_2$ . <i>Russian Journal of Physical Chemistry A</i> , 2014, 88, 1637-1642.	0.6	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.	1.1	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.	0.6	21
15	Activation of Cu-, Ag-, Au/ $\text{ZrO}_2$ Catalysts for Dehydrogenation of Alcohols by Low-Temperature Oxygen and Hydrogen Plasma. <i>Theoretical and Experimental Chemistry</i> , 2013, 49, 65-69.	0.8	21
16	Isobutanol dehydrogenation on copper-containing bismuth vanadates. <i>Russian Journal of Physical Chemistry A</i> , 2013, 87, 560-564.	0.6	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.	0.6	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.	1.6	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.	0.6	17
20	Dehydrogenation of butyl alcohols on NASICON-type solid electrolytes of Na <sub>1-2x</sub> Cu <sub>x</sub> Zr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> composition. Russian Journal of Physical Chemistry A, 2011, 85, 2109-2114.	0.6	17
21	Dehydration of butanols on copper-containing zirconium orthophosphates. Russian Journal of Physical Chemistry A, 2010, 84, 400-404.	0.6	13
22	Effect of low-temperature treatment on the state of gold hydrosol particles. Russian Journal of Physical Chemistry A, 2010, 84, 1053-1058.	0.6	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.	0.6	4
24	The influence of plasma chemical treatments on the activity of the Li <sub>3</sub> Fe <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> catalyst in butanol-2 transformations. Russian Journal of Physical Chemistry A, 2006, 80, 882-885.	0.6	5
25	Adsorption of carbon dioxide on tantalum oxide coated with palladium chloride. Russian Journal of Physical Chemistry A, 2006, 80, 1528-1531.	0.6	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.	0.6	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.	1.0	2
28	Effect of Low-Temperature Treatment of Silver Hydrosol on Its Absorption Spectra. Colloid Journal, 2002, 64, 252-255.	1.3	0
29	The effect of doping of the ultradispersed nickel powder by pyrocarbon on oxygen adsorption and O <sub>2</sub> + CO reaction. Kinetics and Catalysis, 2000, 41, 211-215.	1.0	1