

Irma ChacÃ³n

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5936428/publications.pdf>

Version: 2024-02-01

37
papers

196
citations

1307594

7
h-index

1199594

12
g-index

37
all docs

37
docs citations

37
times ranked

119
citing authors

#	ARTICLE	IF	CITATIONS
1	Attractive fluorine-Â-fluorine interactions between perfluorinated alkyl chains: a case of perfluorinated Cu(II) diiminate $\text{Cu}[\text{C}_{20}\text{F}_{55}\text{C}(\text{NH})\text{CF}=\text{C}(\text{NH})\text{CF}_3]_2$. Zeitschrift Fur Kristallographie - Crystalline Materials, 2021, 236, 117-122.	0.8	11
2	Catalytic properties of the framework-structured zirconium-containing phosphates in ethanol conversion. Research on Chemical Intermediates, 2021, 47, 3645-3659.	2.7	5
3	The Role of the Compositions of HZSM-5 Zeolites modified with Nanosized Anatase in Propane and Ethanol Conversion. Catalysis Today, 2021, , .	4.4	5
4	Titanosilicalites (MFI-type): Composition, statistical and local structure, catalytic properties. Microporous and Mesoporous Materials, 2021, 326, 111377.	4.4	7
5	Study of Cu modified Zr and Al mixed oxides in ethanol conversion: The structure-catalytic activity relationship. Catalysis Today, 2021, 379, 159-165.	4.4	8
6	Effect of Crystal Structure on the Catalytic Properties of $\text{Bi}_4\text{Zr}_2\text{V}_2\text{O}_{11}$ Perovskites in the Decomposition of Isobutanol. Russian Journal of Physical Chemistry A, 2020, 94, 1786-1790.	0.6	1
7	NASICON Catalysts with Composition $\text{Na}(\text{Cs})_{1-2}\text{M}_x\text{Zr}_2(\text{PO}_4)_3$ for Transformations of Aliphatic Alcohols. Petroleum Chemistry, 2020, 60, 1176-1183.	1.4	1
8	Acid Properties of Cesium-Nickel-Zirconium Complex Phosphates: Effect on Isobutanol Dehydration. Petroleum Chemistry, 2020, 60, 592-596.	1.4	2
9	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.	1.6	0
10	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.	0.2	0
11	Frame Catalysts of $\text{Al}_2\text{O}_3\text{-ZrO}_2\text{-CeO}_2$ System. Inorganic Materials: Applied Research, 2018, 9, 960-964.	0.5	2
12	ACTIVITY OF $\text{Bi}_4\text{V}_2\text{-2XCU}_2\text{XO}_{11}$ IN THE TRANSFORMATION OF ISOBUTANOL AFTER PLASMA-CHEMICAL TREATMENT. Acta Metallurgica Slovaca, 2018, 24, 75.	0.7	0
13	Thermal and plasmochemical activation of the zirconia-supported copper catalyst for ethanol dehydrogenation. Russian Journal of Physical Chemistry A, 2017, 91, 862-865.	0.6	3
14	Effect of composition and calcination temperature of ceria-zirconia-alumina mixed oxides on catalytic performances of ethanol conversion. IOP Conference Series: Materials Science and Engineering, 2017, 175, 012031.	0.6	0
15	Dehydration of Isobutyl Alcohol on Cesium-Cobalt-Containing NASICON Catalysts. Theoretical and Experimental Chemistry, 2017, 53, 47-52.	0.8	3
16	Effect of mono- and bimetallic nanoparticles Fe, Ni, & Fe/Ni based on carbon nanocomposites on electrocatalytic properties of anodes. IOP Conference Series: Materials Science and Engineering, 2016, 151, 012023.	0.6	5
17	Ethanol dehydrogenation on copper catalysts with ytterbium stabilized tetragonal ZrO_2 support. Russian Journal of Physical Chemistry A, 2016, 90, 2370-2376.	0.6	7
18	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.	1.1	0

#	ARTICLE	IF	CITATIONS
19	The Role of Structure and Conductivity of Perovskites $\text{Bi}_4\text{V}_2\text{O}_{11}\text{M}_2$ ($\text{M} = \text{Cu}^{2+}, \text{Fe}^{3+}, \text{Zr}^{4+}$) in the Catalytic Dehydrogenation of Isobutanol. Russian Journal of Physical Chemistry A, 2016, 90, 771-776.	0.6	2
20	Activity of calcined Ag,Cu,Au/TiO ₂ catalysts in the dehydrogenation/dehydration of ethanol. Russian Journal of Physical Chemistry A, 2015, 89, 1184-1188.	0.6	0
21	Effect of the plasma-chemical treatment of ZnO and NiO on their activity in the dehydrogenation of isopropanol. Russian Journal of Physical Chemistry A, 2015, 89, 1339-1342.	0.6	4
22	Reactions of isobutanol over a NASICON-type Ni-containing catalyst activated by plasma treatments. Kinetics and Catalysis, 2015, 56, 476-479.	1.0	5
23	Adsorption of isopropanol and cyclohexane on zinc oxide. Russian Journal of Physical Chemistry A, 2015, 89, 108-113.	0.6	3
24	Adsorption of isopropanol on a nickel oxide. Russian Journal of Physical Chemistry A, 2014, 88, 123-126.	0.6	2
25	Hydrothermal ethanol conversion on Ag, Cu, Au/TiO ₂ . Russian Journal of Physical Chemistry A, 2014, 88, 1637-1642.	0.6	5
26	Desorption and reactions between alcohols adsorbed on Na-Zr-M phosphates and a compensator ion $\text{M} = \text{Cu}^{2+}, \text{Ni}^{2+}, \text{Co}^{2+}$. Protection of Metals and Physical Chemistry of Surfaces, 2014, 50, 331-335.	1.1	2
27	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. Russian Journal of Physical Chemistry A, 2013, 87, 372-375.	0.6	21
28	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.	0.8	21
29	Isobutanol dehydrogenation on copper-containing bismuth vanadates. Russian Journal of Physical Chemistry A, 2013, 87, 560-564.	0.6	5
30	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. Russian Journal of Physical Chemistry A, 2013, 87, 929-934.	0.6	2
31	Catalytic Activity of Thermally Treated $\text{Li}_3\text{Fe}_2(\text{PO}_4)_3$ in the Conversion of Butan-1-ol. Mendeleev Communications, 2012, 22, 150-151.	1.6	7
32	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
33	Dehydrogenation of butyl alcohols on NASICON-type solid electrolytes of $\text{Na}_{1-x}\text{Cu}_x\text{Zr}_2(\text{PO}_4)_3$ composition. Russian Journal of Physical Chemistry A, 2011, 85, 2109-2114.	0.6	17
34	Dehydration of butanols on copper-containing zirconium orthophosphates. Russian Journal of Physical Chemistry A, 2010, 84, 400-404.	0.6	13
35	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
36	The influence of plasma chemical treatments on the activity of the $\text{Li}_3\text{Fe}_2(\text{PO}_4)_3$ catalyst in butanol-2 transformations. Russian Journal of Physical Chemistry A, 2006, 80, 882-885.	0.6	5

#	ARTICLE	IF	CITATIONS
37	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