

Tatyana Afonassenko

List of Publications by Year in descending order

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papers

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26
all docs

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docs citations

26
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396
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduction of mixed Mn–Zr oxides: in situ XPS and XRD studies. Dalton Transactions, 2015, 44, 15499-15507.	3.3	92
2	State of palladium in palladium-aluminosilicate catalysts as studied by XPS and the catalytic activity of the catalysts in the deep oxidation of methane. Kinetics and Catalysis, 2007, 48, 728-734.	1.0	36
3	Liquid-phase hydrogenation of acetylene on the Pd/sibunit catalyst in the presence of carbon monoxide. Kinetics and Catalysis, 2011, 52, 251-257.	1.0	24
4	Nonstoichiometric oxygen in Mn–Ga–O spinels: reduction features of the oxides and their catalytic activity. RSC Advances, 2018, 8, 11598-11607.	3.6	22
5	Chemical and structural transformations in manganese aluminum spinel of the composition Mn _{1.5} Al _{1.5} O ₄ during heating and cooling in air. Journal of Structural Chemistry, 2010, 51, 500-506.	1.0	18
6	Acetylene Hydrogenation to Ethylene in a Hydrogen-Rich Gaseous Mixture on a Pd/Sibunit Catalyst. Kinetics and Catalysis, 2019, 60, 446-452.	1.0	15
7	(CuO-CeO ₂)/glass cloth catalysts for selective CO oxidation in the presence of H ₂ : The effect of the nature of the fuel component used in their surface self-propagating high-temperature synthesis on their properties. Kinetics and Catalysis, 2013, 54, 59-68.	1.0	14
8	High-temperature X-ray study of the formation and delamination of manganese-alumina spinel Mn _{1.5} Al _{1.5} O ₄ . Journal of Structural Chemistry, 2009, 50, 474-478.	1.0	11
9	Synthesis and properties of γ -Ga ₂ O ₃ –Al ₂ O ₃ solid solutions. Russian Journal of Physical Chemistry A, 2017, 91, 1939-1945.	0.6	11
10	Enhanced Adsorption Properties of Ag-Loaded β -Zeolite towards Toluene. Materials Science Forum, 0, 917, 180-184.	0.3	11
11	Pd/Ga ₂ O ₃ –Al ₂ O ₃ catalysts for the selective liquid-phase hydrogenation of acetylene to ethylene. Kinetics and Catalysis, 2016, 57, 490-496.	1.0	9
12	The Structure of Mixed Mn–Co Oxide Catalysts for CO Oxidation. Topics in Catalysis, 2020, 63, 75-85.	2.8	9
13	MnO _x -Al ₂ O ₃ catalysts for deep oxidation prepared with the use of mechanochemical activation: The effect of synthesis conditions on the phase composition and catalytic properties. Kinetics and Catalysis, 2014, 55, 639-648.	1.0	8
14	Effect of the Calcination Temperature and Composition of the MnO _x –ZrO ₂ System on Its Structure and Catalytic Properties in a Reaction of Carbon Monoxide Oxidation. Kinetics and Catalysis, 2018, 59, 104-111.	1.0	8
15	The Formation of Mn-Ce Oxide Catalysts for CO Oxidation by Oxalate Route: The Role of Annealing Conditions. Catalysis Letters, 2021, 151, 2906-2918.	2.6	8
16	Selective oxidation of carbon monoxide in hydrogen-containing gas on CuO-CeO ₂ /Al ₂ O ₃ catalysts prepared by surface self-propagating thermal synthesis. Kinetics and Catalysis, 2011, 52, 843-850.	1.0	7
17	Effect of the mechanical activation of a mixture of MnCO ₃ · mMn(OH) ₂ · nH ₂ O and AlOOH as a stage of the preparation of a MnO _x -Al ₂ O ₃ catalyst on its phase composition and catalytic activity in CO oxidation. Kinetics and Catalysis, 2015, 56, 359-368.	1.0	6
18	Liquid-Phase Hydrogenation of Acetylene to Ethylene in a Flow on Pd/Al ₂ O ₃ and Pd-Ga/Al ₂ O ₃ Catalysts in the Presence of CO. Russian Journal of Applied Chemistry, 2019, 92, 128-134.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Acetylene Hydrogenation on Pd-Zn/Sibunit Catalyst: Effect of Solvent and Carbon Monoxide. <i>Petroleum Chemistry</i> , 2021, 61, 490-497.	1.4	5
20	High-Temperature X-Ray Diffraction Investigation of the Decomposition Process in Manganese-Gallium Spinel $Mn_{1.5}Ga_{1.5}O_4$. <i>Journal of Structural Chemistry</i> , 2018, 59, 370-376.	1.0	4
21	Phase Transformations in the Mn-Ga-O System Depending on the Preparation Conditions. <i>Journal of Structural Chemistry</i> , 2018, 59, 1631-1638.	1.0	3
22	Stability of Pd/Sibunit and Pd-M/Sibunit (M: Zn, Ag) catalysts for gas-phase acetylene hydrogenation. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	2
23	STUDY OF THERMAL CO-DECOMPOSITION OF MANGANESE AND CERIUM OXALATES IN AIR AND IN INERT MEDIA. <i>Journal of Structural Chemistry</i> , 2021, 62, 467-480.	1.0	1
24	OPERANDO X-RAY DIFFRACTION ANALYSIS OF THE MnO_x -ZrO ₂ CATALYST DURING OXIDATION OF PROPANE. <i>Journal of Structural Chemistry</i> , 2022, 63, 885-894.	1.0	1
25	Effect of the acidity of a zeolite and its modification with cerium and zirconium on the activity and thermal stability of Pd/beta in the reaction of deep toluene oxidation. <i>Russian Journal of Applied Chemistry</i> , 2009, 82, 32-37.	0.5	0
26	The surface study of the Pd-Ga/Sibunit catalysts for acetylene hydrogenation. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0