

Victor L Temerev

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

343
citations

933447

10
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940533

16
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51
all docs

51
docs citations

51
times ranked

230
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Study on the metal-support interaction in the Ru/C catalysts under reductive conditions. <i>Surfaces and Interfaces</i> , 2018, 12, 95-101. | 3.0 | 28 |
| 2 | Effect of Ag loading on the adsorption/desorption properties of ZSM-5 towards toluene. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016, 119, 629-640. | 1.7 | 23 |
| 3 | Molybdenum carbide synthesized by mechanical activation in an inert medium. <i>Journal of Alloys and Compounds</i> , 2017, 698, 1018-1027. | 5.5 | 21 |
| 4 | Carbon support hydrogenation in Pd/C catalysts during reductive thermal treatment. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 17656-17663. | 7.1 | 19 |
| 5 | Synthesis and study of Ru-Ba-Cs/Sibunit ternary catalysts for ammonia synthesis. <i>Russian Journal of Applied Chemistry</i> , 2017, 90, 887-894. | 0.5 | 18 |
| 6 | Effect of the carbon support graphitization on the activity and thermal stability of Ru-Ba-Cs/C ammonia decomposition catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 127, 85-102. | 1.7 | 16 |
| 7 | Methanation of the carbon supports of ruthenium ammonia synthesis catalysts: A review. <i>Catalysis in Industry</i> , 2016, 8, 341-347. | 0.7 | 15 |
| 8 | Acetylene Hydrogenation to Ethylene in a Hydrogen-Rich Gaseous Mixture on a Pd/Sibunit Catalyst. <i>Kinetics and Catalysis</i> , 2019, 60, 446-452. | 1.0 | 15 |
| 9 | EXAFS study of Pd/Ga ₂ O ₃ model catalysts of selective liquid-phase hydrogenation of acetylene to ethylene. <i>Journal of Molecular Catalysis A</i> , 2012, 358, 152-158. | 4.8 | 13 |
| 10 | Carrying Agent Influence on the Ruthenium Catalyst Activity of the Ammonia Synthesis. <i>Procedia Engineering</i> , 2015, 113, 84-90. | 1.2 | 12 |
| 11 | Enhanced Adsorption Properties of Ag-Loaded γ -Zeolite towards Toluene. <i>Materials Science Forum</i> , 0, 917, 180-184. | 0.3 | 11 |
| 12 | Ammonia decomposition Ru catalysts supported on alumina nanofibers for hydrogen generation. <i>Materials Letters</i> , 2022, 306, 130842. | 2.6 | 11 |
| 13 | The Influence of the Specific Surface Area of the Carbon Support on the Activity of Ruthenium Catalysts for the Ammonia-Decomposition Reaction. <i>Kinetics and Catalysis</i> , 2018, 59, 136-142. | 1.0 | 10 |
| 14 | Effect of high-temperature treatment of on the activity of Ru-Cs(Ba)/Sibunit catalysts in ammonia synthesis and their resistance to methanation. <i>Diamond and Related Materials</i> , 2020, 108, 107986. | 3.9 | 10 |
| 15 | Pd/Ga ₂ O ₃ -Al ₂ O ₃ catalysts for the selective liquid-phase hydrogenation of acetylene to ethylene. <i>Kinetics and Catalysis</i> , 2016, 57, 490-496. | 1.0 | 9 |
| 16 | The effect of composition of the ruthenium precursors and heat treatment conditions on the activity of Ru-Ba/Sibunit catalysts for ammonia synthesis. <i>Molecular Catalysis</i> , 2017, 433, 235-241. | 2.0 | 9 |
| 17 | Mechanism of Pt interfacial interaction with carbonaceous support under reductive conditions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 127, 103-115. | 1.7 | 9 |
| 18 | Catalytic Coatings for Improving the Environmental Safety of Internal Combustion Engines. <i>Procedia Engineering</i> , 2016, 152, 59-66. | 1.2 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Pyrolysis of methane on oxide catalysts supported by resistive fechral and carborundum. Catalysis in Industry, 2017, 9, 181-188. | 0.7 | 8 |
| 20 | Study of the Influence Exerted by Zinc Additive on the Structure and Catalytic Properties of Pd/Al ₂ O ₃ Catalysts for Liquid-Phase Hydrogenation of Acetylene. Russian Journal of Applied Chemistry, 2017, 90, 1908-1917. | 0.5 | 8 |
| 21 | Effect of the Modifier on the Catalytic Properties and Thermal Stability of Ru ^{II} -Cs(Ba)/Sibunit Catalyst for Ammonia Decomposition. Kinetics and Catalysis, 2019, 60, 372-379. | 1.0 | 8 |
| 22 | Pyrolysis of methane on fechral resistive catalyst with additions of hydrogen or oxygen to the reaction mixture. Catalysis in Industry, 2015, 7, 171-174. | 0.7 | 7 |
| 23 | Purification of exhaust gases from gasoline engine using adsorption-catalytic systems. Part 1: trapping of hydrocarbons by Ag-modified ZSM-5. Reaction Kinetics, Mechanisms and Catalysis, 2019, 127, 945-959. | 1.7 | 6 |
| 24 | The nature of modifying effect of gallium on Pd-Ga/Al ₂ O ₃ catalyst for liquid-phase selective acetylene hydrogenation. Materials Letters, 2021, 305, 130843. | 2.6 | 6 |
| 25 | 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 |
| 26 | Acetylene Hydrogenation on Pd ^{II} -Zn/Sibunit Catalyst: Effect of Solvent and Carbon Monoxide. Petroleum Chemistry, 2021, 61, 490-497. | 1.4 | 5 |
| 27 | The influence of a carbon support on the catalytic properties of Pd/Sibunit and Pd-Ga/Sibunit catalysts for liquid-phase acetylene hydrogenation. Solid Fuel Chemistry, 2015, 49, 14-19. | 0.7 | 4 |
| 28 | Comparison of the activity of Ru-K/Sibunit catalysts in ammonia synthesis and decomposition. AIP Conference Proceedings, 2019, , . | 0.4 | 4 |
| 29 | Ethane pyrolysis on Al ₂ O ₃ , ZrO ₂ , SiO ₂ oxides supported on fechral under conditions of resistive heating. AIP Conference Proceedings, 2019, , . | 0.4 | 4 |
| 30 | High-temperature modification of sibunit for its application as a support for ruthenium catalysts in ammonia synthesis. AIP Conference Proceedings, 2019, , . | 0.4 | 3 |
| 31 | The effect of FeCrAl spiral temperature on the interaction of methane and its pyrolysis products with ethane. AIP Conference Proceedings, 2019, , . | 0.4 | 3 |
| 32 | Plasma electrolytic oxide coatings on silumin for oxidation CO. AIP Conference Proceedings, 2017, , . | 0.4 | 2 |
| 33 | Methane pyrolysis on deposited resistive MeO x /carborundum catalysts, where MeO x is MgO, CaO, MgO/Al ₂ O ₃ , MgO/ZrO ₂ , CaO/Al ₂ O ₃ , and CaO/ZrO ₂ . Catalysis in Industry, 2017, 9, 277-282. | 0.7 | 2 |
| 34 | Pyrolysis of Methane on a Resistive ZrO ₂ /SiC Catalyst. Russian Journal of Applied Chemistry, 2019, 92, 1258-1265. | 0.5 | 2 |
| 35 | Influence of Oxidative Treatment and Platinum Content on the Stability of the Pt/Sibunit System in an Oxidizing Atmosphere at Elevated Temperatures. Solid Fuel Chemistry, 2020, 54, 385-391. | 0.7 | 2 |
| 36 | Pyrolysis of Methane on Resistive MgO/SiC Catalyst. Russian Journal of Applied Chemistry, 2017, 90, 1939-1943. | 0.5 | 1 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Comparative research of pyrolysis of light alkanes (methane and ethane) on the resistive FeCrAl catalyt. AIP Conference Proceedings, 2019, , . | 0.4 | 1 |
| 38 | Effect of Silver Addition on the Adsorption Properties of Y Zeolite. Materials Science Forum, 2020, 998, 108-113. | 0.3 | 1 |
| 39 | Methanation of Carbon Supports of Ruthenium Catalysts for Ammonia Synthesis. Review. Kataliz V Promyshlennosti, 2016, 16, 20-27. | 0.3 | 1 |
| 40 | Pyrolysis of Methane over Oxide Catalysts on Resistible FechrAl and Carborundum Supports. Kataliz V Promyshlennosti, 2017, 17, 94-101. | 0.3 | 1 |
| 41 | Co-Conversion of Methane and Ethane over a Resistive FechrAl Catalyst in the Presence of Oxygen. Petroleum Chemistry, 0, , 1. | 1.4 | 1 |
| 42 | 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. Russian Journal of Applied Chemistry, 2009, 82, 32-37. | 0.5 | 0 |
| 43 | Resistance for methanation and activity in ammonia decomposition catalysts Ru-Rb/Sibunit. AIP Conference Proceedings, 2019, , . | 0.4 | 0 |
| 44 | Adsorption-catalytic properties of Ag-modified ZSM-23. AIP Conference Proceedings, 2019, , . | 0.4 | 0 |
| 45 | Study of the Interaction between Components at Different Stages of Preparing Ru/Rb/Sibunit Catalysts for the Decomposition of Ammonia. Russian Journal of Physical Chemistry A, 2020, 94, 2201-2208. | 0.6 | 0 |
| 46 | The effect of Sibunit graphitization on the stability of Ru/(Pt, Pd)/Sibunit catalysts in an oxidizing atmosphere at elevated temperatures. Kataliz V Promyshlennosti, 2021, 1, 55-61. | 0.3 | 0 |
| 47 | Transformations of ethane and ethylene with methane on a resistive fechrAl catalyst in the presence of hydrogen. Kataliz V Promyshlennosti, 2021, 1, 62-66. | 0.3 | 0 |
| 48 | Effect of Sibunit Graphitization on the Stability of Ru (Pt, Pd)/Sibunit Catalysts in an Oxidizing Atmosphere at Elevated Temperatures. Catalysis in Industry, 2021, 13, 252-257. | 0.7 | 0 |
| 49 | Conversions of Ethane and Ethylene with Methane on a Resistive FechrAl Catalyst in the Presence of Hydrogen. Catalysis in Industry, 2021, 13, 258-262. | 0.7 | 0 |
| 50 | The influence of high-temperature treatment of the carbon support Sibunit and the content of ruthenium on the activity of Ru-Cs/C catalysts for ammonia synthesis. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |