# RUSSIAN JOURNAL OF INORGANIC CHEMISTRY



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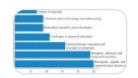
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Special Issue: Chemistry and Chemical Education: Modern Issues, Trends, and Development Prospects

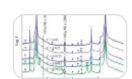
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# Chemistry and Chemical Education: Modern Issues, Trends, and Development Prospects



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#### <u>Hydrothermal Synthesis of Vanadium Dioxide Films from Alcoholic</u> Solutions



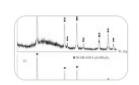
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<u>Preparation of Micro- and Mesoporous Aluminosilicates in the Presence</u> of Polyethylene Glycol



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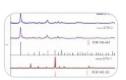


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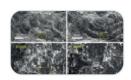
Optimized Hydrothermal Synthesis of Pharmacosiderite-Type

Titanosilicates for Extraction of <sup>137</sup>Cs and <sup>90</sup>Sr from High-Salinity Liquid

Media

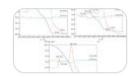


### Synthesis and Characterization of Mixed Bimetallic Layered (Cr,V)C Carbide



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#### Magnetic Materials Based on Iron-Silicon-Containing Frameworks



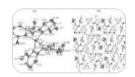
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### Lithium-Ion Battery Recycling Product in the Preparation of the Manganese-Based MAX-Phase



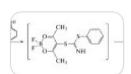
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Synthesis and Structures of Stibonium Complexes  $\{[2,6-MeO)_2C_6H_3]_3$ SbCH<sub>2</sub>C(O)OEt $\}$ I<sub>3</sub> and  $\{[(2,6-(MeO)_2C_6H_3)_3$ SbEt $][Hg_3I_7]\}_n$ 



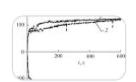
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#### Features of Reactions of $\alpha$ -Substituted Acetylacetonate Complexes



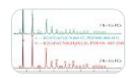
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### Plasma Electrolytic Synthesis and Characterization of Bismuth-Containing Oxide Films on Titanium

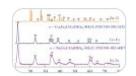


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Synthesis and Investigation of Composite Sorbents Based on Mixed K–Co and K–Cu Ferrocyanides for Cesium Extraction From Aqueous Media

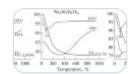


# Co–Fe, Ni–Fe, and Zn–Ti Layered Double Hydroxides for Sorptive Extraction of U(VI) From Aqueous Solutions of Medium Salinity



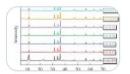
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#### Synthetic Aluminosilicates as Polytetrafluoroethylene Modifiers



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Synthesis of Granulated Hydrophobic Magnetic Sorbents and Composite Sponges Based on Fe<sub>3</sub>O<sub>4</sub>/Zn-AI-LDH for Oil Pollution Removal



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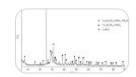
<u>Vermiculite-based Sorbents Modified with Compounds of Various</u>

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**Calcium Silicate-Based Material as Filler for Paint Coatings** 



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