

Contents

Vol. 62, No. 3, 2020

Search for Solving the Problem of Conditioning the Reactor Graphite <i>Yu. A. Pokhitonov</i>	289
Nitrate Complexes of Neptunium(V) with Organic Single-Charged Cations in the Outer Sphere <i>I. A. Charushnikova, M. S. Grigor'ev, and A. M. Fedoseev</i>	301
Analysis of the Possibility of Using Carbamide for Separation of U and Pu in Extractive Processing of SNF <i>V. I. Marchenko and K. N. Dvoeglazov</i>	308
Gas-Phase Conversion of Oxide Phases of Lanthanides and Uranium to Water-Soluble Compounds <i>Yu. M. Nevolin, S. A. Kulyukhin, A. V. Gordeev, A. A. Bessonov, and S. N. Kalmykov</i>	317
Deep Purification of Lithium Compounds to Remove Chemical and Radioactive Impurities <i>V. V. Milyutin, V. O. Kaptakov, N. A. Nekrasova, V. V. Rudskikh, and T. S. Volkova</i>	331
Adsorption of $^{141}\text{Ce(III)}$, $^{160}\text{Tb(III)}$, and $^{169}\text{Yb(III)}$ on the Synthesized Inorganic Ion Exchanger, Zirconium Titanium Phosphate <i>F. H. El-Sweify, A. A. Abdel-Fattah, M. A. Ghamry, S. M. Alya, M. F. El-Shahat</i>	335
Preparation of Pure Uranium, Thorium, and Yttrium Oxides from El-Garra El-Hamra Sulfate Leach Liquor <i>W. M. Abdellah</i>	347
Thermodynamic and Kinetic Studies of Uranium and REEs Leaching by Oxalic Acid from Abu-Tartur Phosphate Rock, Western Desert, Egypt <i>A. R. Bakry, M. D. Hashim, and A. M. Elwy</i>	359
Separation of Thorium Ions Using Synthesized Zeolite–Phosphate Composite from Sulfate Solution <i>L. A. Yousef, A. R. Bakry, A. A. Ahmad, and A. S. Alshami</i>	368
Aluminosilicate Sorbents Based on- Clay-Salt Slimes from JSC “Belaruskali” for Sorption of Cesium and Strontium Radionuclides <i>L. N. Maskalchuk, V. V. Milyutin, N. A. Nekrasova, T. G. Leontieva, A. A. Baklay, P. E. Belousov, and V. V. Krupskaya</i>	381
Radiation Hardness of Vinyl-Pyridinium Anion Exchanger of AXIONIT VPA-2 Brand in Nitrate Solutions <i>E. V. Lyzlova, A. V. Glukhova, A. V. Konnikov, and M. A. Biryukova</i>	387
Production of ^{111}In and Radioisotopes of Te and Sn from an Antimony Target Irradiated with High-Energy Protons <i>E. S. Kurakina, A. I. Velichkov, D. V. Karaivanov, A. P. Marinova, G. M. Marinov, V. Radchenko, Zh. Kh. Khushvaktov, E. P. Magomedbekov, and D. V. Filosofov</i>	393

Synthesis of Tritium-Labeled Proline Derivatives of Dopamine, Serotonin, and Doxorubicin, All Containing a <i>tert</i> -Butyloxycarbonyl Group or Lauric Acid <i>V. P. Shevchenko, L. A. Andreeva, I. Yu. Nagaev, K. V. Shevchenko, and N. F. Myasoedov</i>	400
Radiation Stability of Magnesium Phosphate Ceramic Under γ -Irradiation: Formation of Hydrogen and Peroxides <i>G. L. Bykova, V. A. Ershova, and B. G. Ershov</i>	406
Primary Colloids at Hydrothermally Modified Aluminophosphate Glass with Imitators of Radionuclides <i>S. V. Yuditsev, V. I. Mal'kovskii, and E. V. Aleksandrova</i>	411
Occurrence of Uranium in Groundwater of Kabirdham, Central India <i>V. Diwan, S. K. Sar, S. Biswas, T. Baghel, and R. Dewangan</i>	424
