

ISSN 1066-3622
CODEN: RDIOEO

RADIOCHEMISTRY

Editor-in-Chief
Boris F. Myasoedov

Pleiades
Publishing Group
Over **50** years
in the service of
science and education

<https://pleiades.online>
<https://link.springer.com>



PLEIADES GROUP OF COMPANIES

Distributed by **SPRINGER NATURE**

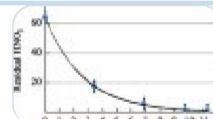
13 articles in this issue

Determination of Conditions for the Oxidation of UN and UC under Microwave Irradiation



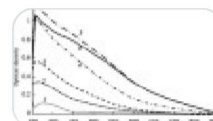
OriginalPaper | 05 April 2025 | Pages: 1 - 7

Reaction of Nitrate Ion with Formic Acid in the Presence of Uranium



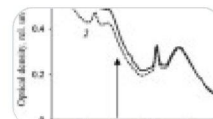
OriginalPaper | 05 April 2025 | Pages: 8 - 14

Kinetics of Tc(VII) Reduction with Diformylhydrazine in a Nitric Acid Solution in the Presence of U(VI) Ions



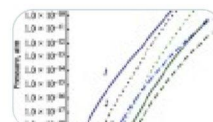
OriginalPaper | 05 April 2025 | Pages: 15 - 24

Joint Solubility of Uranyl(VI) and Plutonyl(VI) Nitrates in Nitric Acid Solutions



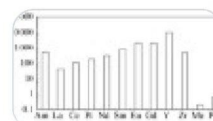
OriginalPaper | 05 April 2025 | Pages: 25 - 30

Modeling of the Composition of the Gas Phase over Uranium–Plutonium Mononitride Containing Oxygen Impurities and Fission Products



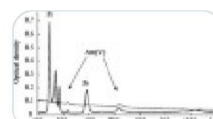
OriginalPaper | 05 April 2025 | Pages: 31 - 38

Separation of Actinides and REEs Using TODGA in *meta*-Nitrobenzotrifluoride: Development and Demonstration of the Flowsheet



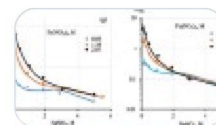
OriginalPaper | 05 April 2025 | Pages: 39 - 50

Separation of Am (V, VI) from Cm(III) and Pr(III) in Ammonia and Ammonium-Carbonate Media



OriginalPaper | 05 April 2025 | Pages: 51 – 56

Effect of Salting-Out Agents on the Extraction of Europium and Americium from Nitric Acid Solutions with 40% Tributyl Phosphate in a Hydrocarbon Diluent



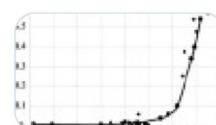
OriginalPaper | 05 April 2025 | Pages: 57 - 64

Sorption Treatment of Aqueous Solutions with Stirosorb Sorbent to Remove TBP



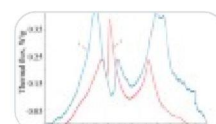
OriginalPaper | 05 April 2025 | Pages: 65 - 71

A Study of the Cobalt Speciation Using a Sorption Method



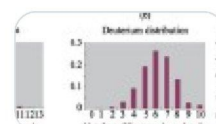
OriginalPaper | 05 April 2025 | Pages: 72 - 81

Effect of Uranyl Nitrate on Exothermic Processes in Nitric Acid Solutions of Reductants



OriginalPaper | 05 April 2025 | Pages: 82 - 88

Effect of Temperature during Preactivation of 5% Pd/C and 5% Pd/Al₂O₃ with Deuterium Gas on the Isotope Exchange between Deuterium Water and an Organic Compound



OriginalPaper | 05 April 2025 | Pages: 89 - 100

Natural and Anthropogenic Radionuclides in Atmospheric Air and Assessment of Inhalation Dose over Brick Field Areas, Dhaka, Bangladesh



OriginalPaper | 05 April 2025 | Pages: 101 - 109
