

Table of Contents

Volume 5 Number 2

April 2015

Two Ways of High-Energy Heavy Ion Interactions: Spallation and Burst

R. Brandt, V. Ditlov, M. Haiduc, E. Firu, A. T. Neagu, E. Ganssauge, R. Hashemi-Nezhad, W. Westmeier.....73

Valence Stabilization of Fe(II) Ions during Extended Gamma Irradiation of Their Aqueous Acidic Solutions Containing Phenol, Acetone, 4-Ethylpyridine or Hydrazine Hydrate

M. F. Barakat, M. M. Abdel Hamid.....88

Thermodynamic Assessment of UO₂ Pellet Oxidation in Mixture Atmospheres under Spent Fuel Pool Accident

D.-J. Kim, J. H. Kim, K. S. Kim, J. H. Yang, S. K. Kim, Y.-H. Koo.....102

Accumulation of Natural Radionuclides by Some Edible Wild Mushrooms in Ekiti State, Southwestern, Nigeria

E. B. Faweya, M. J. Ayeni, J. Kayode.....107

Radiolanthanides Device Production

F. Monroy-Guzman, F. J. Barreiro, E. J. Salinas, A. L. V. Treviño.....111

A Comparison Study of Soil Samples from Sinai Province in Egypt by Using X-Ray Diffraction and Gamma-Ray Analysis

S. S. Baz.....120

Assessment of the Patient Movement for Lesion during Myocardial Perfusion SPECT Imaging by Cardiac Phantom

E. Erim, T. Ertay, I. Evren, M. Eren, C. Tasci, H. Durak.....129