

Contents

RESEARCH ARTICLES

- 1497** A Precision Benchmark Suite for Nuclear Reactor Point Kinetics Equations via Converged Accelerated Taylor Series (CATS)
B. D. Ganapol
- 1534** Preliminary Conceptual Design of Nuclear Thermal Rocket Reactor Cores Using Ceramic Fuels with Beryllium or Composite Neutron Moderators
G. J. Youinou, A. Abou-Jaoudé
- 1566** Post-Neutron Mass Yield Distribution in the Epi-Cadmium Neutron-Induced Fission of ^{233}U
H. Naik, S. P. Dange, R. J. Singh, W. Jang
- 1583** Evaluation of Neutron Cross-Section Data Using Gaussian Mixture Model and Digital Filter
Tejashree S. Phatak, Jayalekshmi Nair, Sangeetha Prasanna Ram, B. J. Roy
- 1607** Monte Carlo Calculation Method for Reactor Period Utilizing the Differential Operator Sampling Technique
Toshihiro Yamamoto, Hiroki Sakamoto
- 1620** Design and Analyses of Miniature, Submersible Annular Linear Induction Pump for Test Loops Supporting Development of Advanced Nuclear Reactors
Ragai Altamimi, Mohamed S. El-Genk
- 1645** Dependency Idioms for Quantitative Human Reliability Analysis
Vincent Philip Paglioni, Katrina M. Groth
- 1668** Optimization of Personnel Work Paths During Decommissioning of Nuclear Facilities
Junhao Zhang, Weiwei Chen, Bingyu Ni, Jing Zheng, Kaixin Zhao, Wanyi Tian, Chao Jiang

COMPUTER CODE ABSTRACT

- 1682** 4th-Order-SENS: A Software Module for Efficient and Exact 4th-Order Sensitivity Analysis of Neutron Transport
Ruixian Fang, Dan G. Cacuci