

Nuclear Technology

VOLUME 208 · NUMBER 4 · APRIL 2022

Contents

TECHNICAL PAPERS

- 603** Modeling of the Molten Salt Reactor Experiment with SCALE
F. Bostelmann, S. E. Skutnik, E. D. Walker, G. Ilas, W. A. Wieselquist
- 625** Benchmark of the Kilowatt Reactor Using Stirling Technology (KRUSTY) Component Critical Configurations
Kristin N. Stolte, Jeffrey A. Favorite, George E. McKenzie, Theresa E. Cutler, Jesson D. Hutchinson, Nicholas W. Thompson, Rene G. Sanchez
- 644** Calculated Critical and Subcritical Data for Revision of ANSI/ANS 8.12
Tracy E. Stover, Dennis Mennerdahl, Dominic D. Winstanley, Christopher Tripp, Kermit Bunde, Douglas Bowen
- 688** Separating Nuclear Reactors from the Power Block with Heat Storage to Improve Economics with Dispatchable Heat and Electricity
Charles Forsberg
- 711** Global Sensitivity Analysis and Bayesian Calibration on a Series of Reflood Experiments with Varying Boundary Conditions
Grégory Perret, Damar Wicaksono, Ivor D. Clifford, Hakim Ferroukhi
- 723** Separation of Flux/Dose Contributions from Multiple Transport Pathways in Monte Carlo Shielding Analyses of a Consolidated Interim Spent Nuclear Fuel Storage Facility
P. C. Lai, R. J. Sheu
- 735** Production of High-Purity ^{52g}Mn from ^{nat}V Targets with Alpha Beams at Cyclotrons
A. Colombi, M. P. Carante, F. Barbaro, L. Canton, A. Fontana

TECHNICAL NOTES

- 753** Assessment of Radiation Background Suppression Using Phoswich Detectors for In Vivo ^{210}Pb Measurements: A Simulation Study
Xiangpeng Meng, Yuanyuan Liu, Bin Wu, Jianping Cheng, Li Wang, Yu Wang, Ning Su
- 761** A Fuzzy CREAM Method for Human Reliability Analysis in Digital Main Control Room of Nuclear Power Plants
Kai Yao, Shengyuan Yan, Cong Chi Tran