

MOLTEN SALT CHEMISTRY AND TECHNOLOGY

- 329** Introduction to the Molten Salt Chemistry and Technology Special Issue /
Marc Delpech

TECHNICAL PAPERS

- 330** Evaluation of Salt Coolants for Reactor Applications / *D. F. Williams, K. T. Clarno*
- 344** Options for Scaled Experiments for High Temperature Liquid Salt and Helium Fluid Mechanics and Convective Heat Transfer / *Philippe M. Bardet, Per F. Peterson*
- 358** Influence of the Processing and Salt Composition on the Thorium Molten Salt Reactor / *Elsa Merle-Lucotte, Ludovic Mathieu, Daniel Heuer, Véronique Ghetta, Roger Brissot, Christian Le Brun, Eric Liatard*
- 366** Electrodeposition of Uranium and Transuranics Metals (Pu) on Solid Cathode / *A. F. Laplace, J. Lacquement, J. L. Willit, R. A. Finch, G. A. Fletcher, M. A. Williamson*
- 373** Electrochemical Determination of Gadolinium and Plutonium Solvation Properties in Liquid Gallium at High Temperature / *Sylvie Delpech, Gérard Picard, Jörgen Finne, Eric Walle, Olivier Conocar, Annabelle Laplace, Jérôme Lacquement*
- 382** A New Technology for the Nuclear Industry for the Complete and Continuous Pyrochemical Reprocessing of Spent Nuclear Fuel: Catalyst Enhanced Molten Salt Oxidation / *Trevor R. Griffiths, Vladimir A. Volkovich*
-

REGULAR TECHNICAL PAPERS

FISSION REACTORS

- 401** A Study of Air Ingress and Its Prevention in HTGR / *Xing L. Yan, Tetsuaki Takeda, Tetsuo Nishihara, Kazutaka Ohashi, Kazuhiko Kunitomi, Nobumasa Tsuji*

FUEL CYCLE AND MANAGEMENT

- 416** Finite Element Modeling of Thermal-Mechanical Behaviors of Dispersion Fuel Elements / *Shurong Ding, Yongzhong Huo*

THERMAL HYDRAULICS

- 426** A Comparison of Experimental Results and FLUENT Simulations for Void-Fraction Distribution in a Two-Phase System / *R. Saksena, P. Satyamurthy, P. Munshi*

(Continued)

CONTENTS / SEPTEMBER 2008—VOL. 163, NO. 3

(Continued)

NUCLEAR PLANT OPERATIONS AND CONTROL

- 435** An Advanced Boiling Water Reactor Monitoring System Using Modular Accident Analysis Program and Computer Graphical User Interface / *Yuan-Hsiang Chang, Mu-Ping Xu, Jyh-Tong Teng, Te-Chuan Wang, Ray-Feng Chiang, Huey-Ling Hwu, Wang-Chyuan Chen*

DECONTAMINATION/DECOMMISSIONING

- 444** A Novel Approach to Spent Fuel Pool Decommissioning / *R. L. Demmer, J. B. Panozzo, R. J. Christensen*

DEPARTMENTS

- 453** Volume 163 Indexes
- v Volume 163 Contents