

CONTENT OF ALL VOLUMES

Editorial Board	v
List of Contributors to Volume 2	vii
Preface	ix

2.06 Thermal Properties of Irradiated UO ₂ and MOX <i>Dragos Staicu</i>	149
2.07 Fission Product Chemistry in Oxide Fuels <i>Markus H.A. Piro, Jean-Christophe Dumas, Brent J Lewis, William T Thompson, and Fernando C Iglesias</i>	173
2.08 Matter Transport in Fast Reactor Fuels <i>Michael J Welland</i>	200
2.09 Pellet-Clad Interaction Behavior in Zirconium Alloy Fuel Cladding <i>Markus H.A. Piro, Dion Sunderland, Steve Livingstone, Jerome Sercombe, R Winston Revie, Aaron Quastel, Kurt A Terrani, and Colin Judge</i>	248
2.10 Behavior of LWR Fuel During Loss-of-Coolant Accidents <i>Fumihisa Nagase</i>	307
2.11 Transient Response of LWR Fuels (RIA) <i>Yutaka Udagawa and Toyoshi Fuketa</i>	322
2.12 Behavior of Fast Reactor Fuel During Transient and Accident Conditions <i>Joëlle Papin</i>	339
2.13 Oxide Fuel Performance Modeling and Simulation <i>Paul Van Uffelen and Giovanni Pastore</i>	363
2.14 Modeling of Pellet Cladding Interaction <i>Jerome Sercombe, Bruno Michel, Chantal Riglet-Martial, and Olivier Fandeur</i>	417
2.15 Control Rod Behavior During Beyond Design-Basis Accidents in LWRs <i>Martin Steinbrück and Marc Barrachin</i>	466
2.16 Molten Core Concrete Interaction <i>Christophe Journeau and Pascal Piluso</i>	499
2.17 Lava-Like Materials Formed and Solidified During Chernobyl Accident <i>Boris E Burakov</i>	525

VOLUME 2**Oxide Fuel Systems in Thermal and Fast Neutron Spectrum Reactors**

2.01 Uranium Oxide and MOX Production <i>Masato Kato, Seiichiro Maeda, Tomoyuki Abe, and Koichi Asakura</i>	1
2.02 Fuel Performance of Light Water Reactors (Uranium Oxide and MOX) <i>Daniel Baron, Lars Hallstadius, Katalin Kulacsy, Rodrigue Largenton, and Jean Noirot</i>	35
2.03 Fuel Performance of Fast Spectrum Oxide Fuel <i>Michel Pelletier and Yannick Guérin</i>	72
2.04 Burnable Poison-Doped Fuel <i>Kevin Hesketh, Glyn Rossiter, Rodrigue Largenton, and Mattias Puide</i>	106
2.05 Radiation Effects in UO ₂ <i>Thierry Wiss, Alessandro Benedetti, and Emanuele De Bona</i>	125