

SUBJECT INDEX

nuclear technology®



American Nuclear Society
Scientific Publications

Volume 188, Numbers 1, 2, and 3
October, November, and December 2014

CITATIONS ARE BY PAGE NUMBER AND ISSUE

- A**
- Accident prevention, 113-2
Actinides, 154-2, 266-3
ATHEANA, 20-1
- B**
- Borehole, HLW, 280-3
Burnup credit, 266-3
- C**
- CANDU, moderator displacers, 34-1
Ceramic encapsulated fuel, 123-2, 238-3
Cladding, 123-2
Computer codes
 ANSYS, 78-1, 185-2
 APOLLO2, 322-3
 CASMO, 113-2
 CITATION, 322-3
 COSMOS, 139-2
 DRAGON, 34-1
 KENO, 238-3
 MCNP, 1-1, 97-1, 218-2
 NITAWL, 322-3
 ORIGEN, 154-2, 252-3
 RELAP5, 322-3
 SAMPSON, 252-3
 SCALE, 154-2, 238-3, 266-3, 322-3
 SIMULATE-3K, 113-2
 STARBUCS, 154-2
 TRIPOLI, 322-3
- TRITON, 154-2, 238-3
TSUNAMI, 154-2
VIPRE, 139-2
XSDRN-PM, 322-3
Corrosion, steel, 192-2
Criticality, 266-3
Cross-section libraries
 ENDF/B-VII, 154-2, 218-2, 238-3,
 266-3
 NJOY, 218-2
Cross-section validation, 218-2
Cruciform fuel, 139-2
- D**
- Distillation, eutectic salt, 185-2
- E**
- Energy harvesting, 172-2
Eutectic, LiCl-KCl, 185-2
Explosives detection, 97-1
- F**
- Fission products, 154-2, 252-3, 266-3
FLiNaK, 192-2
Flux trap, 322-3
Fuel cycle, 123-2
Fuel
 helical cruciform, 139-2
 TRISO particles, 123-2, 238-3
- Fukushima, 113-2, 252-3
Fuzzy sets, 20-1
- H**
- Hastelloy-N, 192-2
Heat pipes, 45-1, 229-3
HLW, borehole, 280-3
- I**
- IAEA guide SSG-2, 63-1, 113-2
- L**
- LBLOCA, 123-2
LiCl-KCl, 185-2
LOCA, 113-2
- M**
- Moderator, CANDU, 34-1
Molten salt, 83-1, 192-2
- N**
- Natural circulation, 292-3
Neutron interrogation method, 97-1
Neutrons, prompt, PWR, 1-1
Nuclear fuel, see Fuel
NUREG-1150, 113-2

P

Pressurizer, 20-1
Prompt neutrons, PWR, 1-1
PWR
 ceramic fuel, 238-3
 prompt neutrons, 1-1
 SMR, 8-1
Pyroprocessing, 83-1

Q

QPANDA, neutronic model, 8-1

S

Safety analysis, 63-1, 154-2, 266-3
Sensor networks, 172-2
SMR, PWR, 8-1
Space, nuclear, 45-1, 229-3
Station blackout, 292-3
Steam valve, 78-1
Stirling engine, 229-3

T

TRISO particles, 123-2, 238-3

U

UNF, pyroprocessing, 83-1
Uranium from seawater, 200-2

W

Wireless sensor network, 172-2

Z

Zeolite column, 83-1