

Subject index

Actinides (*minor, excludes Plutonium, Thorium and Uranium*)

A computationally simple model for determining the time dependent spectral neutron flux in a nuclear reactor core, E.A. Schneider, M.R. Deinert and K.B. Cady 357 (2006) 19

Oxygen potential of $(\text{Pu}_{0.91}\text{Am}_{0.09})\text{O}_{2-x}$, M. Osaka, K. Kurosaki and S. Yamanaka 357 (2006) 69

Amorphization of β -thorium phosphate diphosphate (β -TPD) irradiated with high energy krypton ions, C. Tamain, F. Garrido, L. Thomé, N. Dacheux, A. Özgümüş and A. Benyagoub 357 (2006) 206

Amorphization and Amorphous Materials

Amorphization of β -thorium phosphate diphosphate (β -TPD) irradiated with high energy krypton ions, C. Tamain, F. Garrido, L. Thomé, N. Dacheux, A. Özgümüş and A. Benyagoub 357 (2006) 206

Analytical Instruments and Methods (*not listed elsewhere*)

Diffuse reflectance spectra of U ions in ThO_2 , E.R. Vance and Y. Zhang 357 (2006) 77

Carbon

H, He, Ne, Ar-bombardment of amorphous hydrocarbon structures, P. Träskelin, K. Nordlund and J. Keinonen 357 (2006) 1

Methane production from ATJ graphite by slow atomic and molecular D ions: Evidence for projectile molecule-size-dependent yields at low energies, L.I. Vergara, F.W. Meyer, H.F. Krause, P. Träskelin, K. Nordlund and E. Salonen 357 (2006) 9

Hydrogen isotope retention of JT-60U W-shaped divertor tiles exposed to DD discharges, T. Shibahara, T. Tanabe, Y. Hirohata, Y. Oya, M. Oyaidzu, A. Yoshikawa, Y. Onishi, T. Arai, K. Masaki, K. Okuno and N. Miya 357 (2006) 115

Long-term erosion and re-deposition of carbon in the divertor region of

JT-60U, Y. Gotoh, T. Tanabe, Y. Ishimoto, K. Masaki, T. Arai, H. Kubo, K. Tsuzuki and N. Miya 357 (2006) 138

Cavities (*includes Voids, Holes*)

Mechanical properties of neutron-irradiated nickel-containing martensitic steels: I. Experimental study, R.L. Klueh, N. Hashimoto, M.A. Sokolov, K. Shiba and S. Jitsukawa 357 (2006) 156

Mechanical properties of neutron-irradiated nickel-containing martensitic steels: II. Review and analysis of helium-effects studies, R.L. Klueh, N. Hashimoto, M.A. Sokolov, P.J. Maziasz, K. Shiba and S. Jitsukawa 357 (2006) 169

An analytical model for the Amoeba effect in UO_2 fuel pellets, Y. Choi and J.K. Lee 357 (2006) 213

Ceramics (*not listed elsewhere*)

Amorphization of β -thorium phosphate diphosphate (β -TPD) irradiated with high energy krypton ions, C. Tamain, F. Garrido, L. Thomé, N. Dacheux, A. Özgümüş and A. Benyagoub 357 (2006) 206

Chemical Reactions (*includes Electrochemical and Thermochemical Reactions*)

Fuel – cladding chemical interaction in MOX fuel rods irradiated to high burnup in an advanced thermal reactor, K. Tanaka, K. Maeda, S. Sasaki, Y. Ikusawa and T. Abe 357 (2006) 58

Solubility of crystalline and metamict zircon: A thermodynamic analysis, D. Tromans 357 (2006) 221

Coatings and Coated Particles

The effect of annealing at 1500 °C on migration and release of ion implanted silver in CVD silicon carbide, H.J. MacLean, R.G. Ballinger, L.E. Kolaya,

- S.A. Simonson, N. Lewis and M.E. Hanson 357 (2006) 31
- Compatibility and Corrosion** (*includes Stress Corrosion Cracking*)
- Study on control of oxygen concentration in lead–bismuth flow using lead oxide particles, M. Kondo, M. Takahashi, K. Miura and T. Onizawa 357 (2006) 97
- Crystallographic Properties**
- EBSP measurements of hydrogenated Zircaloy-2 claddings with stress-relieved and recrystallized annealing conditions, K. Une and S. Ishimoto 357 (2006) 147
- Diffusion**
- Effect of elastic stress field near grain boundaries on the radiation induced segregation in binary alloys, M.V. Sorokin and A.I. Ryazanov 357 (2006) 82
- Study on sintering kinetics and activation energy of UO₂ pellets using three different methods, D. Lahiri, S.V. Ramana Rao, G.V.S. Hemantha Rao and R.K. Srivastava 357 (2006) 88
- A NRA study of temperature and heavy ion irradiation effects on helium migration in sintered uranium dioxide, G. Martin, P. Garcia, H. Labrim, T. Sauvage, G. Carlot, P. Desgardin, M.F. Barthe and J.P. Piron 357 (2006) 198
- An analytical model for the Amoeba effect in UO₂ fuel pellets, Y. Choi and J.K. Lee 357 (2006) 213
- Divertor Materials**
- Hydrogen isotope retention of JT-60U W-shaped divertor tiles exposed to DD discharges, T. Shibahara, T. Tanabe, Y. Hirohata, Y. Oya, M. Oyaidzu, A. Yoshikawa, Y. Onishi, T. Arai, K. Masaki, K. Okuno and N. Miya 357 (2006) 115
- Electron Microscopy**
- EBSP measurements of hydrogenated Zircaloy-2 claddings with stress-relieved and recrystallized annealing conditions, K. Une and S. Ishimoto 357 (2006) 147
- Fabrication**
- Developments in the fabrication technology of low density MOX pellets for fast breeder reactor fuel, K. Asakura, T. Yamaguchi and T. Ohtani 357 (2006) 126
- Fast Reactor Materials**
- Study on control of oxygen concentration in lead–bismuth flow using lead oxide particles, M. Kondo, M. Takahashi, K. Miura and T. Onizawa 357 (2006) 97
- Developments in the fabrication technology of low density MOX pellets for fast breeder reactor fuel, K. Asakura, T. Yamaguchi and T. Ohtani 357 (2006) 126
- First Wall Materials**
- Hydrogen isotope retention of JT-60U W-shaped divertor tiles exposed to DD discharges, T. Shibahara, T. Tanabe, Y. Hirohata, Y. Oya, M. Oyaidzu, A. Yoshikawa, Y. Onishi, T. Arai, K. Masaki, K. Okuno and N. Miya 357 (2006) 115
- Fission Products**
- The effect of annealing at 1500 °C on migration and release of ion implanted silver in CVD silicon carbide, H.J. MacLean, R.G. Ballinger, L.E. Kolaya, S.A. Simonson, N. Lewis and M.E. Hanson 357 (2006) 31
- Preparation, characterization and thermodynamic stability of Rh₃Te₂O₁₀, R. Mishra, S.R. Bharadwaj, D. Das, M. Valldor and R. Pöttgen 357 (2006) 183
- A NRA study of temperature and heavy ion irradiation effects on helium migration in sintered uranium dioxide, G. Martin, P. Garcia, H. Labrim, T. Sauvage, G. Carlot, P. Desgardin, M.F. Barthe and J.P. Piron 357 (2006) 198
- Fuels and Fuel Elements**
- A computationally simple model for determining the time dependent spectral neutron flux in a nuclear reactor core, E.A. Schneider, M.R. Deinert and K.B. Cady 357 (2006) 19
- The effect of annealing at 1500 °C on migration and release of ion implanted silver in CVD silicon carbide, H.J. MacLean, R.G. Ballinger, L.E. Kolaya, S.A. Simonson, N. Lewis and M.E. Hanson 357 (2006) 31
- Thermodynamic assessment of the LiF–BeF₂–ThF₄–UF₄ system, J.P.M. van der Meer, R.J.M. Konings and H.A.J. Oonk 357 (2006) 48
- Fuel – cladding chemical interaction in MOX fuel rods irradiated to high burnup in an advanced thermal reactor, K. Tanaka, K. Maeda, S. Sasaki, Y. Ikusawa and T. Abe 357 (2006) 58

Download English Version:

<https://daneshyari.com/en/article/1569719>

Download Persian Version:

<https://daneshyari.com/article/1569719>

[Daneshyari.com](https://daneshyari.com)