



Author index

- Abraitis, P.K., B.P. McGrail, D.P. Trivedi, F.R. Livens and D.J. Vaughan, Single-pass flow-through experiments on a simulated waste glass in alkaline media at 40°C. I. Experiments conducted at variable solution flow rate to glass surface area ratio 280 (2000) 196
- Abraitis, P.K., B.P. McGrail, D.P. Trivedi, F.R. Livens and D.J. Vaughan, Single-pass flow-through experiments on a simulated waste glass in alkaline media at 40°C. II. Experiments conducted with buffer solutions containing controlled quantities of Si and Al 280 (2000) 206
- Alvani, C., P. Carconi and S. Casadio, Li_4SiO_4 pebbles reduction in He + 0.1% H_2 purge gas and effects on tritium release properties 280 (2000) 372
- Alvarez, J., see Pfeiffer, H. 280 (2000) 255
- Ámbekar, B.R., see Mathews, M.D. 280 (2000) 246
- Anthonsamy, S., K. Joseph, T. Gnana-sekaran and P.R. Vasudeva Rao, Studies on the kinetics of oxidation of urania–thoria solid solutions in air 280 (2000) 25
- Arai, Y., see Serizawa, H. 280 (2000) 99
- Arias, D., see Canay, M. 280 (2000) 365
- Asuvathraman, R., see Jena, H. 280 (2000) 312
- Auger, P., P. Pareige, S. Welzel and J.-C. Van Duysen, Synthesis of atom probe experiments on irradiation-induced solute segregation in French ferritic pressure vessel steels 280 (2000) 331
- Ayaz, B. and A. Nezihi Bilge, The possible usage of ex-ADU uranium dioxide fuel pellets with low-temperature sintering 280 (2000) 45
- Baek, J.H., Y.H. Jeong and I.S. Kim, Effects of the accumulated annealing parameter on the corrosion characteristics of a Zr–0.5Nb–1.0Sn–0.5Fe–0.25Cr alloy 280 (2000) 235
- Balden, M. and J. Roth, New weight-loss measurements of the chemical erosion yields of carbon materials under hydrogen ion bombardment 280 (2000) 39
- Barberis, P., see Pétigny, N. 280 (2000) 318
- Becquart, C.S., C. Domain, A. Legris and J.C. Van Duysen, Influence of the interatomic potentials on molecular dynamics simulations of displacement cascades 280 (2000) 73
- Benk, H., see Lassmann, K. 280 (2000) 127
- Bibilashvili, Yu.K., A.V. Medvedev, B.I. Nesterov, V.V. Novikov, V.N. Golovanov, S.G. Eremin and A.D. Yurtchenko, Influence of irradiation on K_{ISCC} of Zr–1%Nb claddings 280 (2000) 106
- Bloom, E.E., see Klueh, R.L. 280 (2000) 353
- Butt, D.P., see Park, Y.S. 280 (2000) 285
- Byun, T.S., see Lee, E.H. 280 (2000) 18
- Canay, M., C.A. Danón and D. Arias, Phase transition temperature in the Zr-rich corner of Zr–Nb–Sn–Fe alloys 280 (2000) 365
- Capone, F., see Ronchi, C. 280 (2000) 111
- Carconi, P., see Alvani, C. 280 (2000) 372
- Casadio, S., see Alvani, C. 280 (2000) 372
- Cheng, E.T., see Klueh, R.L. 280 (2000) 353
- Chevalier, P.-Y., E. Fischer and B. Cheynet, Thermodynamic modelling of the N–U system 280 (2000) 136
- Cheyne, B., see Chevalier, P.-Y. 280 (2000) 136
- Chu, W.Y., Y.B. Wang and L.J. Qiao, Interaction between blue brittleness and stress corrosion cracking 280 (2000) 250
- Colle, J.Y., see Ronchi, C. 280 (2000) 111
- Danón, C.A., see Canay, M. 280 (2000) 365
- Degueldre, C., see Fuks, L. 280 (2000) 360
- Domain, C., see Becquart, C.S. 280 (2000) 73
- El-Genk, M.S. and J.-M. Tournier, Estimates of helium gas release in $^{238}\text{PuO}_2$ fuel particles for radioisotope heat sources and heater units 280 (2000) 1
- Em, V., see Lee, J.-S. 280 (2000) 116

- Ennaceur, M.M. and B. Terreault, XPS study of the process of oxygen gettering by thin films of PACVD boron 280 (2000) 33
- Eremin, S.G., see Bibilashvili, Yu.K. 280 (2000) 106
- Faulkner, R.G., see Song, S.-H. 280 (2000) 162
- Fischer, E., see Chevalier, P.-Y. 280 (2000) 136
- Fischer, U., S. Herring, A. Hogenbirk, D. Leichtle, Y. Nagao, B.J. Pijl-groms and A. Ying, Comparison of nuclear irradiation parameters of fusion breeder materials in high flux fission test reactors and a fusion power demonstration reactor 280 (2000) 151
- Flewitt, P.E.J., see Song, S.-H. 280 (2000) 162
- Fuks, L. and C. Degueldre, Optical properties of γ -irradiated synthetic sapphire and yttria-stabilized zirconia spectroscopic windows 280 (2000) 360
- Gin, S., see Jégou, C. 280 (2000) 216
- Gnanasekaran, T., see Anthonysamy, S. 280 (2000) 25
- Golovanov, V.N., see Bibilashvili, Yu.K. 280 (2000) 106
- Govindan Kutty, K.V., see Jena, H. 280 (2000) 312
- Grossbeck, M.L., see Klueh, R.L. 280 (2000) 353
- Harano, H., K. Kinoshita, K. Yoshii, T. Ueda, S. Okita and M. Uesaka, Ultrashort X-ray pulse generation using subpicosecond electron linac 280 (2000) 255
- Hashimoto, N., E. Wakai, J.P. Robertson, T. Sawai and A. Hishinuma, Microstructure of austenitic stainless steels irradiated at 400°C in the ORR and the HFIR spectral tailoring experiment 280 (2000) 186
- Hashimoto, N., see Kim, I.-S. 280 (2000) 264
- Herring, S., see Fischer, U. 280 (2000) 151
- Hiernaut, J.P., see Ronchi, C. 280 (2000) 111
- Hishinuma, A., see Hashimoto, N. 280 (2000) 186
- Hogenbirk, A., see Fischer, U. 280 (2000) 151
- Hong, H.S., H.S. Kim, S.J. Kim and K.S. Lee, Effects of copper addition on the tensile properties and microstructures of modified Zircaloy-4 280 (2000) 230
- Hunn, J.D., see Kim, I.-S. 280 (2000) 264
- Hunn, J.D., see Lee, E.H. 280 (2000) 18
- Jégou, C., S. Gin and F. Larché, Alteration kinetics of a simplified nuclear glass in an aqueous medium: effects of solution chemistry and of protective gel properties on diminishing the alteration rate 280 (2000) 216
- Jena, H., R. Asuvathraman and K.V. Govindan Kutty, Combustion synthesis and thermal expansion measurements of the rare earth-uranium ternary oxides RE₆UO₁₂ (RE = La, Nd and Sm) 280 (2000) 312
- Jeong, Y.H., see Baek, J.H. 280 (2000) 235
- Joseph, K., see Anthonysamy, S. 280 (2000) 25
- Kim, H.S., see Hong, H.S. 280 (2000) 230
- Kim, I.-S., J.D. Hunn, N. Hashimoto, D.L. Larson, P.J. Maziasz, K. Miyahara and E.H. Lee, Defect and void evolution in oxide dispersion strengthened ferritic steels under 3.2 MeV Fe⁺ ion irradiation with simultaneous helium injection 280 (2000) 264
- Kim, I.S., see Baek, J.H. 280 (2000) 235
- Kim, K.H., see Lee, J.-S. 280 (2000) 116
- Kim, S.J., see Hong, H.S. 280 (2000) 230
- Kim, S.S., see Kim, Y.S. 280 (2000) 304
- Kim, Y.S., S.C. Kwon and S.S. Kim, Crack growth pattern and threshold stress intensity factor, K_{IH} , of Zr-2.5Nb alloy with the notch direction 280 (2000) 304
- Kinoshita, K., see Harano, H. 280 (2000) 255
- Kirk, M.A., see Sagaradze, V.V. 280 (2000) 345
- Klueh, R.L., E.T. Cheng, M.L. Grossbeck and E.E. Bloom, Impurity effects on reduced-activation ferritic steels developed for fusion applications 280 (2000) 353
- Koo, Y.-H., B.-H. Lee and D.-S. Sohn, Analysis of fission gas release and gaseous swelling in UO₂ fuel under the effect of external restraint 280 (2000) 86
- Kwon, S.C., see Kim, Y.S. 280 (2000) 304
- Lallemant, M., see Pétigny, N. 280 (2000) 318
- Lapin, S.S., see Sagaradze, V.V. 280 (2000) 345
- Larché, F., see Jégou, C. 280 (2000) 216
- Larson, D.L., see Kim, I.-S. 280 (2000) 264
- Lassmann, K. and H. Benk, Numerical algorithms for intragranular fission gas release 280 (2000) 127
- Lee, B.-H., see Koo, Y.-H. 280 (2000) 86
- Lee, C.-H., see Lee, J.-S. 280 (2000) 116
- Lee, E.H., J.D. Hunn, T.S. Byun and L.K. Mansur, Effects of helium on radiation-induced defect microstructure in austenitic stainless steel 280 (2000) 18
- Lee, E.H., see Kim, I.-S. 280 (2000) 264
- Lee, J.-S., C.-H. Lee, K.H. Kim and V. Em, Neutron diffraction study of U-5.4 wt% Mo alloy 280 (2000) 116
- Lee, K.S., see Hong, H.S. 280 (2000) 230
- Legris, A., see Becquart, C.S. 280 (2000) 73
- Leichtle, D., see Fischer, U. 280 (2000) 151
- Lemaignan, C., see Pétigny, N. 280 (2000) 318
- Lin, Y.P. and V. Perovic, Zr-silicide particles in Zr-2.5Nb pressure tube

- material: influence of oxidation and irradiation 280 (2000) 120
- Livens, F.R., see Abraitis, P.K. 280 (2000) 196
- Livens, F.R., see Abraitis, P.K. 280 (2000) 206
- Lösönen, P., On the behaviour of intragranular fission gas in UO₂ fuel 280 (2000) 56
- Mansur, L.K., see Lee, E.H. 280 (2000) 18
- Marmy, P., see Song, S.-H. 280 (2000) 162
- Mathews, M.D., B.R. Ambekar and A.K. Tyagi, Bulk and lattice thermal expansion of Th_{1-x}Ce_xO₂ 280 (2000) 246
- Mathews, M.D., see Purohit, R.D. 280 (2000) 51
- Maziasz, P.J., see Kim, I.-S. 280 (2000) 264
- McGrail, B.P., see Abraitis, P.K. 280 (2000) 196
- McGrail, B.P., see Abraitis, P.K. 280 (2000) 206
- Medvedev, A.V., see Bibilashvili, Yu.K. 280 (2000) 106
- Miyahara, K., see Kim, I.-S. 280 (2000) 264
- Nagao, Y., see Fischer, U. 280 (2000) 151
- Nesterov, B.I., see Bibilashvili, Yu.K. 280 (2000) 106
- Nezihi Bilge, A., see Ayaz, B. 280 (2000) 45
- Novikov, V.V., see Bibilashvili, Yu.K. 280 (2000) 106
- Okita, S., see Harano, H. 280 (2000) 255
- Pareige, P., see Auger, P. 280 (2000) 331
- Park, Y.S., H.Y. Sohn and D.P. Butt, Thermal removal of gallium from gallia-doped ceria 280 (2000) 285
- Perovic, V., see Lin, Y.P. 280 (2000) 120
- Pétigny, N., P. Barberis, C. Lemaignan, Ch. Valot and M. Lallemand, In situ XRD analysis of the oxide layers formed by oxidation at 743 K on Zircaloy 4 and Zr-1NbO 280 (2000) 318
- Pfeiffer, H., J. Sánchez-Sánchez and L.J. Álvarez, Lithium and tritium diffusion in lithium oxide (Li₂O), a molecular dynamics simulation 280 (2000) 295
- Pijlgroms, B.J., see Fischer, U. 280 (2000) 151
- Purohit, R.D., A.K. Tyagi, M.D. Mathews and S. Saha, Combustion synthesis and bulk thermal expansion studies of Ba and Sr thorates 280 (2000) 51
- Qiao, L.J., see Chu, W.Y. 280 (2000) 250
- Robertson, J.P., see Hashimoto, N. 280 (2000) 186
- Ronchi, C., F. Capone, J.Y. Colle and J.P. Hiernaut, Volatile molecule PuO₃ observed from subliming plutonium dioxide 280 (2000) 111
- Roth, J., see Balden, M. 280 (2000) 39
- Sagaradze, V.V., S.S. Lapin and M.A. Kirk, Non-equilibrium intragrain concentration redistribution of the alloying elements in austenitic steels under irradiation 280 (2000) 345
- Saha, S., see Purohit, R.D. 280 (2000) 51
- Sánchez-Sánchez, J., see Pfeiffer, H. 280 (2000) 295
- Sawai, T., see Hashimoto, N. 280 (2000) 186
- Serizawa, H., Y. Arai and Y. Suzuki, Simultaneous determination of X-ray Debye temperature and Grüneisen constant for actinide dioxides: PuO₂ and ThO₂ 280 (2000) 99
- Smith, R.F., see Song, S.-H. 280 (2000) 162
- Sohn, D.-S., see Koo, Y.-H. 280 (2000) 86
- Sohn, H.Y., see Park, Y.S. 280 (2000) 285
- Song, S.-H., R.G. Faulkner, P.E.J. Flewitt, R.F. Smith, P. Marmy and M. Victoria, Irradiation-induced embrittlement of a 2.25Cr1Mo steel 280 (2000) 162
- Suzuki, Y., see Serizawa, H. 280 (2000) 99
- Terreault, B., see Ennaceur, M.M. 280 (2000) 33
- Tournier, J.-M., see El-Genk, M.S. 280 (2000) 1
- Trivedi, D.P., see Abraitis, P.K. 280 (2000) 196
- Trivedi, D.P., see Abraitis, P.K. 280 (2000) 206
- Tyagi, A.K., see Mathews, M.D. 280 (2000) 246
- Tyagi, A.K., see Purohit, R.D. 280 (2000) 51
- Ueda, T., see Harano, H. 280 (2000) 255
- Uesaka, M., see Harano, H. 280 (2000) 255
- Valot, Ch., see Pétigny, N. 280 (2000) 318
- Van Duysen, J.-C., see Auger, P. 280 (2000) 331
- Van Duysen, J.C., see Becquart, C.S. 280 (2000) 73
- Van Uffelen, P., Modelling the variable precipitation of fission products at grain boundaries 280 (2000) 275
- Vasudeva Rao, P.R., see Anthonysamy, S. 280 (2000) 25
- Vaughan, D.J., see Abraitis, P.K. 280 (2000) 196
- Vaughan, D.J., see Abraitis, P.K. 280 (2000) 206
- Victoria, M., see Song, S.-H. 280 (2000) 162
- Voskoboinikov, R.E., Stress tensor of a strained material with a linear row of stress concentrators 280 (2000) 169
- Wakai, E., see Hashimoto, N. 280 (2000) 186
- Wang, Y.B., see Chu, W.Y. 280 (2000) 250
- Welzel, S., see Auger, P. 280 (2000) 331
- Ying, A., see Fischer, U. 280 (2000) 151
- Yoshii, K., see Harano, H. 280 (2000) 255
- Yurtchenko, A.D., see Bibilashvili, Yu.K. 280 (2000) 106