

Author index

- Acosta, B., see Debarberis, L.
 Acosta, B., see Debarberis, L.
 Anantharaman, S., see Viswanathan, U.K.
 Antony, M.P., see Vidhya, R.
 Ao, B.Y., J.Y. Yang, X.L. Wang and W.Y. Hu, Atomistic behavior of helium-vacancy clusters in aluminum
 Arai, T., see Ishimoto, Y.
 Asakura, N., see Ishimoto, Y.
 Ashikawa, N., see Kobayashi, M.
- Ballesteros, A., see Debarberis, L.
 Basak, C.B., see Viswanathan, U.K.
 Bastürk, M., H. Tatlisu and H. Böck, Nondestructive inspection of fresh WWER-440 fuel assemblies
 Bhanumurthy, K., see Grover, V.
 Blackford, M.G., see Zhang, Y.
 Blair, P., A. Romano, Ch. Hellwig and R. Chawla, Calculations on fission gas behaviour in the high burnup structure
 Böck, H., see Bastürk, M.
 Bourrat, X., see Helary, D.
 Browning, J.F., see Knapp, J.A.
 Brumovsky, M., see Debarberis, L.
- Carter, M.L., see Zhang, Y.
 Cellier, F., see Helary, D.
 Chawla, R., see Blair, P.
 Chernobaeva, A., see Debarberis, L.
 Chu, Y.L., see Yao, M.Y.
 Cirimello, P., G. Domizzi and R. Haddad, Influence of metallurgical variables on delayed hydride cracking in Zr–Nb pressure tubes
 Colella, M., see Zhang, Y.
- Debarberis, L., B. Acosta, A. Zeman, F. Sevini, A. Ballesteros, A. Kryukov, F. Gillemot and M. Brumovsky, Analysis of WWER-440 and PWR RPV welds surveillance data to compare irradiation damage evolution
 350 (2006) 89
 350 (2006) 173
 350 (2006) 310
 350 (2006) 129
 350 (2006) 83
 350 (2006) 301
 350 (2006) 301
 350 (2006) 40
 350 (2006) 173
 350 (2006) 310
 350 (2006) 240
 350 (2006) 169
 350 (2006) 293
 350 (2006) 232
 350 (2006) 240
 350 (2006) 332
 350 (2006) 147
 350 (2006) 173
 350 (2006) 293
 350 (2006) 332
 350 (2006) 232
 350 (2006) 89
 350 (2006) 195
 350 (2006) 135
 350 (2006) 293
 350 (2006) 173
- Debarberis, L., B. Acosta, F. Sevini, A. Chernobaeva and A.M. Kryukov, Fluence rate effect semi-mechanistic modelling on WWER-type RPV welds
 Dinh, L.N., Erratum to: Kinetic measurement and prediction of the hydrogen outgassing from the polycrystalline LiH/Li₂O/LiOH system by L.N. Dinh et al., J. Nucl. Mater. 347 (2005) 31
 Domizzi, G., see Cirimello, P.
 Dugne, O., see Helary, D.
- Farley, J.W., see Johnson, A.L.
 Ferreira, R.A.N. and E. Jordão, A model for the behavior of thorium uranium mixed oxide kernels in the pelletizing process
 Funaba, H., see Kobayashi, M.
 Furuchi, K., H. Takata, T. Motoshima, S. Satake and M. Nishikawa, Study on behavior of tritium in concrete wall
 Gillemot, F., see Debarberis, L.
 Goll, W., see Walker, C.T.
 Gotoh, Y., see Ishimoto, Y.
 Grover, V., P. Sengupta, K. Bhanumurthy and A.K. Tyagi, Electron probe microanalysis (EPMA) investigations in the CeO₂–ThO₂–ZrO₂ system
 Haddad, R., see Cirimello, P.
 Hecker, S.S., see Kaschner, G.C.
 Hecker, S.S., see Stout, M.G.
 Heinzel, A., M. Kondo and M. Takahashi, Corrosion of steels with surface treatment and Al-alloying by GESA exposed in lead–bismuth
 Helary, D., O. Dugne, X. Bourrat, P.H. Jouneau and F. Cellier, EBSD investigation of SiC for HTR fuel particles
 Hellwig, Ch., see Blair, P.
 Ho, T.T., see Johnson, A.L.
- 350 (2006) 89
 350 (2006) 202
 350 (2006) 135
 350 (2006) 332
 350 (2006) 221
 350 (2006) 271
 350 (2006) 40
 350 (2006) 246
 350 (2006) 173
 350 (2006) 19
 350 (2006) 301
 350 (2006) 169
 350 (2006) 122
 350 (2006) 113
 350 (2006) 264
 350 (2006) 332
 350 (2006) 232
 350 (2006) 221

- Hosterman, B., see Johnson, A.L.
- Hu, J.S., J.G. Li and X.M. Wang, Oxygen glow discharge experiment to remove deposited layers and to release trapped hydrogen isotopes in HT-7 superconducting tokamak, 350 (2006) 221
- Hu, W.Y., see Ao, B.Y.
- Hwang, K.H. and K.J. Lee, Modeling the activity of ^{129}I and ^{137}Cs in the primary coolant and CVCS resin of an operating PWR, 350 (2006) 9
- Igitkhanov, Y., see Kobayashi, M.
- Ishigure, K., T. Nukii and S. Ono, Analysis of water radiolysis in relation to stress corrosion cracking of stainless steel at high temperatures – Effect of water radiolysis on limiting current densities of anodic and cathodic reactions under irradiation, 350 (2006) 83
- Ishimoto, Y., Y. Gotoh, T. Arai, K. Masaki, N. Miya, N. Oyama and N. Asakura, Thermal properties of redeposition layers in the JT-60U divertor region, 350 (2006) 153
- Jayakumar, T., see Kumar, A.
- Johnson, A.L., E.P. Loewen, T.T. Ho, D. Koury, B. Hosterman, U. Younas, J. Welch and J.W. Farley, Spectroscopic and microscopic study of the corrosion of iron–silicon steel by lead–bismuth eutectic (LBE) at elevated temperatures, 350 (2006) 40
- Jordão, E., see Ferreira, R.A.N.
- Jouneau, P.H., see Helary, D.
- Kale, G.B., see Sengupta, P.
- Kaschner, G.C., see Stout, M.G.
- Kaschner, G.C., M.G. Stout and S.S. Hecker, Mechanical behavior of δ -phase Pu–Ga alloys. Part II: Model verification and application, 350 (2006) 221
- Katoh, Y., see Nozawa, T.
- Kim, E.S. and H.C. No, Experimental study on the reaction between nuclear graphite IG-110 and carbon dioxide, 350 (2006) 271
- Knapp, J.A. and J.F. Browning, Nanoindentation characterization of ErT_2 thin films, 350 (2006) 332
- Kobayashi, M., J. Miyazawa, S. Masuzaki, Y. Igitkhanov, R. Sakamoto, N. Ashikawa, T. Morisaki, N. Ohyabu, H. Yamada, H. Funaba, A. Komori, O. Motojima and the LHD experimental group, Analysis for hydrogen particle balance of plasma-wall system in the large helical device, 350 (2006) 40
- Komori and O. Motojima, A., see Kobayashi, M.
- Kondo, M., see Heinzel, A.
- Koury, D., see Johnson, A.L.
- Kryukov, A., see Debarberis, L.
- Kryukov, A.M., see Debarberis, L.
- Kumar, A., K.V. Rajkumar, T. Jayakumar, B. Raj and B. Mishra, Ultrasonic measurements for in-service assessment of wrought Inconel 625 cracker tubes of heavy water plants, 350 (2006) 284
- Kumar, A., T.V. Vittal Rao, S.K. Mukerjee and V.N. Vaidya, Recycling of chemicals from alkaline waste generated during preparation of UO_3 microspheres by sol–gel process, 350 (2006) 254
- Kurosaki, K., Y. Saito, M. Uno and S. Yamanaka, Characterization of simulated burnup fuel by nanoindentation, 350 (2006) 203
- Kuwano, H., see Yamada, T.
- Lara-Curzio, E., see Nozawa, T.
- Lee, K.J., see Hwang, K.H.
- Li, H., see Zhang, Y.
- Li, J.G., see Hu, J.S.
- Li, Q., see Yao, M.Y.
- Likhanskii, V.V. and V.G. Zborovskii, On stability of spatial distributions of crystal structure defects in irradiated high burnup UO_2 fuel, 350 (2006) 1
- Liu, W.Q., see Yao, M.Y.
- Loewen, E.P., see Johnson, A.L.
- Lumpkin, G.R., see Zhang, Y.
- Marsden, B.J., see Tsang, D.K.L.
- Masaki, K., see Ishimoto, Y.
- Masuzaki, S., see Kobayashi, M.
- Miller, J.H., see Nozawa, T.
- Mishra, B., see Kumar, A.
- Mitra, J., see Sengupta, P.
- Miya, N., see Ishimoto, Y.
- Miyazawa, J., see Kobayashi, M.
- Morisaki, T., see Kobayashi, M.
- Motojima, O., see Kobayashi, M.
- Motoshima, T., see Furuichi, K.
- Mukerjee, S.K., see Kumar, A.
- Nieto, M., D.N. Ruzic, W. Olczak and R. Stubbers, Measurement of implanted helium particle transport by a flowing liquid lithium film, 350 (2006) 208
- Nishikawa, M., see Furuichi, K.
- No, H.C., see Kim, E.S.
- Noël, J.J., see Santos, B.G.
- Nozawa, T., L.L. Snead, Y. Katoh, J.H. Miller and E. Lara-Curzio, Determining the shear properties of the PyC/SiC interface for a model TRISO fuel, 350 (2006) 182
- Nukii, T., see Ishigure, K.

- Ohyabu, N., see Kobayashi, M. 350 (2006) 40
 Okano, S., see Yamada, T. 350 (2006) 47
 Olczak, W., see Nieto, M. 350 (2006) 101
 Ono, S., see Ishigure, K. 350 (2006) 56
 Oyama, N., see Ishimoto, Y. 350 (2006) 301
- Papaioannou, D., see Walker, C.T. 350 (2006) 19
- Raj, B., see Kumar, A. 350 (2006) 284
 Rajkumar, K.V., see Kumar, A. 350 (2006) 284
 Ramsier, R.D., see Stojilovic, N. 350 (2006) 163
 Romano, A., see Blair, P. 350 (2006) 232
 Ruzic, D.N., see Nieto, M. 350 (2006) 101
- Sahoo, K.C., see Viswanathan, U.K. 350 (2006) 310
 Saito, Y., see Kurosaki, K. 350 (2006) 203
 Sakamoto, R., see Kobayashi, M. 350 (2006) 40
- Santos, B.G., J.J. Noël and D.W. Shoesmith, The influence of calcium ions on the development of acidity in corrosion product deposits on SIM-FUEL, UO_2 . 350 (2006) 320
 Satake, S., see Furuichi, K. 350 (2006) 246
 Sengupta, P., see Grover, V. 350 (2006) 169
- Sengupta, P., J. Mittra and G.B. Kale, Interaction between borosilicate melt and Inconel. 350 (2006) 66
 Sevini, F., see Debarberis, L. 350 (2006) 89
 Sevini, F., see Debarberis, L. 350 (2006) 173
 Sheindlin, M., see Walker, C.T. 350 (2006) 19
 Shoesmith, D.W., see Santos, B.G. 350 (2006) 320
 Shuyan, H., see Xiaowei, L. 350 (2006) 74
 Singh, R.N., see Viswanathan, U.K. 350 (2006) 310
 Snead, L.L., see Nozawa, T. 350 (2006) 182
 Sontheimer, F., see Walker, C.T. 350 (2006) 19
 Staicu, D., see Walker, C.T. 350 (2006) 19
- Stojilovic, N. and R.D. Ramsier, Surface oxidation of Zircaloy-4 at 600 K by adsorbed oxygen, nitric oxide, and sulfur dioxide. 350 (2006) 163
 Stout, M.G., see Kaschner, G.C. 350 (2006) 122
- Stout, M.G., G.C. Kaschner and S.S. Hecker, Mechanical behavior of δ -phase Pu-Ga alloys. Part I: Constitutive model. 350 (2006) 113
 Stubbers, R., see Nieto, M. 350 (2006) 101
 Suyuan, Y., see Xiaowei, L. 350 (2006) 74
- Takahashi, M., see Heinzel, A. 350 (2006) 264
 Takata, H., see Furuichi, K. 350 (2006) 246
 Tatlisu, H., see Bastürk, M. 350 (2006) 240
 the LHD experimental group, see Kobayashi, M. 350 (2006) 40
- Tsang, D.K.L. and B.J. Marsden, The development of a stress analysis code for nuclear graphite components in gas-cooled reactors. 350 (2006) 208
 Tyagi, A.K., see Grover, V. 350 (2006) 169
- Uno, M., see Kurosaki, K. 350 (2006) 203
- Vaidya, V.N., see Kumar, A. 350 (2006) 254
 Vance, E.R., see Zhang, Y. 350 (2006) 293
 Vasudeva Rao, P.R., see Vidhya, R. 350 (2006) 129
 Vidhya, R., M.P. Antony and P.R. Vasudeva Rao, Enthalpy and Gibbs energy of formation of dysprosium carbide. 350 (2006) 129
- Viswanathan, U.K., R.N. Singh, C.B. Basak, S. Anantharaman and K.C. Sahoo, Evaluation of effect of hydrogen on toughness of Zircaloy-2 by instrumented drop weight impact testing. 350 (2006) 310
 Vittal Rao, T.V., see Kumar, A. 350 (2006) 254
- Walker, C.T., D. Staicu, M. Sheindlin, D. Papaioannou, W. Goll and F. Sontheimer, On the thermal conductivity of UO_2 nuclear fuel at a high burn-up of around 100 MWd/kgHM. 350 (2006) 19
 Wang, X.L., see Ao, B.Y. 350 (2006) 83
 Wang, X.M., see Hu, J.S. 350 (2006) 9
 Welch, J., see Johnson, A.L. 350 (2006) 221
- Xiaowei, L., Y. Suyuan, S. Xuanyu and H. Shuyan, The influence of roughness on tribological properties of nuclear grade graphite. 350 (2006) 74
 Xuanyu, S., see Xiaowei, L. 350 (2006) 74
- Yamada, H., see Kobayashi, M. 350 (2006) 40
 Yamada, T., S. Okano and H. Kuwano, Mechanical property and microstructural change by thermal aging of SCS14A cast duplex stainless steel. 350 (2006) 47
 Yamanaka, S., see Kurosaki, K. 350 (2006) 203
 Yang, J.Y., see Ao, B.Y. 350 (2006) 83
 Yao, M.Y., B.X. Zhou, Q. Li, W.Q. Liu and Y.L. Chu, The effect of alloying modifications on hydrogen uptake of zirconium-alloy welding specimens during corrosion tests. 350 (2006) 195
 Younas, U., see Johnson, A.L. 350 (2006) 221
- Zborovskii, V.G., see Likhanskii, V.V. 350 (2006) 1
 Zeman, A., see Debarberis, L. 350 (2006) 173
 Zhang, Y., G.R. Lumpkin, H. Li, M.G. Blackford, M. Colella, M.L. Carter and E.R. Vance, Recrystallisation of amorphous natural brannerite through annealing: The effect of radiation damage on the chemical durability of brannerite. 350 (2006) 293
 Zhou, B.X., see Yao, M.Y. 350 (2006) 195