



## Author index

- Abriata, J.P., see Vizcaíno, P.  
Abyzov, A.S., see Dubinko, V.I.  
Acosta, B., see Debarberis, L.  
Agostini, P., see Zucchini, A.  
Ahmad, M., J.I. Akhter, M. Iqbal, M.  
Akhtar, E. Ahmed, M.A. Shaikh and  
K. Saeed, Surface modification of  
Hastelloy C-276 by SiC addition and  
electron beam melting  
Ahmed, E., see Ahmad, M.  
Akhtar, M., see Ahmad, M.  
Akhter, J.I., see Ahmad, M.  
Albertazzi, A., see Taddia, M.  
Ali (Basu), M., S.R. Bharadwaj and D.  
Das, The standard molar enthalpy of  
formation of CdMoO<sub>4</sub>  
Allibert, M., see Lemort, F.  
Ananthasivan, K., see Pankajavalli, R.  
Anthony Samy, S., see Pankajavalli, R.  
Arsenlis, A., W.G. Wolfer and A.J.  
Schwartz, Change in flow stress and  
ductility of δ-phase Pu–Ga alloys  
due to self-irradiation damage
- Baicchi, E., see Zucchini, A.  
Banchik, A.D., see Vizcaíno, P.  
Baron, D., see Gatt, J.-M.  
Bharadwaj, S.R., see Ali (Basu), M.  
Boen, R., see Lemort, F.  
Böhmert, J., see Ulbricht, A.  
Bravo, D., see Ibarra, A.  
Broeders, C.H.M. and A.Yu. Kono-  
beyev, Displacement cross-sections  
for tantalum and tungsten irradiated  
with protons at energies up to 1 GeV  
Brumovsky, M., see Debarberis, L.  
Burakov, B., see Geisler, T.  
Busby, J.T., M.C. Hash and G.S. Was,  
The relationship between hardness  
and yield stress in irradiated austenitic  
and ferritic steels  
Byun, T.S., see Hashimoto, N.
- Caro, A., P.E.A. Turchi, M. Caro and  
E.M. Lopasso, Thermodynamics of  
an empirical potential description of  
Fe–Cu alloys  
Caro, M., see Caro, A.  
Chen, J., P. Jung and H. Ullmaier,  
Stresses, strains and cracks in a he-  
lium-implanted SiC/C composite  
Chen, Y., see Zhang, J.  
Cockeram, B.V., J.L. Hollenbeck and  
L.L. Snead, Hardness and electrical  
resistivity of molybdenum in the  
post-irradiated and annealed condi-  
tions  
Cox, B., Some thoughts on the me-  
chanisms of in-reactor corrosion of  
zirconium alloys  
Das, D., see Ali (Basu), M.  
Day, D.E., see Zhu, D.  
Debarberis, L., B. Acosta, F. Sevini, A.  
Kryukov, F. Gillemot, M. Valo, A.  
Nikolaev and M. Brumovsky, Role  
of nickel in a semi-mechanistic ana-  
lytical model for radiation embrit-  
tlement of model alloys  
Dubinko, V.I., A.S. Abyzov and A.A.  
Turkin, Numerical evaluation of the  
dislocation loop bias  
Eslami, H., A perturbed hard-sphere-  
chain equation of state for liquid  
metals  
Etay, J., see Lemort, F.  
Ewing, R.C., see Utsunomiya, S.
- Farrell, K., see Hashimoto, N.  
Fautrelle, Y., see Lemort, F.  
Fujii, K. and K. Fukuya, Charac-  
teriza-  
tion of defect clusters in ion-irra-  
diated A533B steel  
Fukuya, K., see Fujii, K.
- Garbusov, V., see Geisler, T.  
Garner, F.A., see Ibarra, A.

- Garner, F.A., see Sencer, B.H.
- Gatt, J.-M., Y. Monerie, D. Laux and D. Baron, Elastic behavior of porous ceramics: application to nuclear fuel materials
- Geisler, T., B. Burakov, M. Yagovkina, V. Garbusov, M. Zamoryanskaya, V. Zirlin and L. Nikolaeva, Structural recovery of self-irradiated natural and  $^{238}\text{Pu}$ -doped zircon in an acidic solution at 175 °C
- Gillemot, F., see Debarberis, L.
- Gosset, D. and P. Trocellier, Determination of the helium thermal diffusion coefficient in britholite using a NRA method: new results
- Grandjean, A., see Simonnet, C.
- Hallstadius, L., see Hong, H.S.
- Hash, M.C., see Busby, J.T.
- Hashimoto, N., T.S. Byun, K. Farrell and S.J. Zinkle, Deformation microstructure of neutron-irradiated pure polycrystalline vanadium
- Hollenbeck, J.L., see Cockeram, B.V.
- Hong, H.S., L. Sihver, D.R. Olander and L. Hallstadius, High-pressure hydriding of Zircaloy cladding by the thermogravimetry and tube-burst techniques
- Hou, M. and D. Kulikov, A model study of displacement cascades distributions in zirconium
- Ibarra, A., D. Bravo, F.J. Lopez and F.A. Garner, High-dose neutron irradiation of  $\text{MgAl}_2\text{O}_4$  spinel: effects of post-irradiation thermal annealing on EPR and optical absorption
- Iqbal, M., see Ahmad, M.
- Isobe, Y., see Sencer, B.H.
- Jung, P., see Chen, J.
- Kalinin, G.M., B.S. Rodchenkov and V.A. Pechenkin, Erratum to 'Specification of stress limits for irradiated 316L(N)-IG steel in ITER structural design criteria' [J. Nucl. Mater. 329–333 (2004) 1615–1618]
- Keskar, M., K.D. Singh Mudher and V. Venugopal, Separation of uranium from  $(\text{U}, \text{Th})\text{O}_2$  and  $(\text{U}, \text{Pu})\text{O}_2$  by solid state reactions route
- Kim, C.-W., see Zhu, D.
- Kim, J.S., see Lim, Y.S.
- 336 (2005) 314  
336 (2005) 145
- 336 (2005) 22  
336 (2005) 210
- 336 (2005) 140  
336 (2005) 243
- 336 (2005) 113  
336 (2005) 267
- 336 (2005) 225  
336 (2005) 299
- 336 (2005) 113
- 336 (2005) 125
- 336 (2005) 156  
336 (2005) 120  
336 (2005) 314
- 336 (2005) 194
- 336 (2005) 369
- 336 (2005) 40  
336 (2005) 47  
336 (2005) 65
- Konobeyev, A.Yu., see Broeders, C.H.M.
- Kryukov, A., see Debarberis, L.
- Kulikov, D., see Hou, M.
- Kwon, H.S., see Lim, Y.S.
- Laux, D., see Gatt, J.-M.
- Lemort, F., R. Boen, M. Allibert, D. Perrier, Y. Fautrelle and J. Etay, Kinetics of the actinides-lanthanides separation: mass transfer between molten fluorides and liquid metal at high temperatures
- Li, N., see Zhang, J.
- Lim, Y.S., J.S. Kim and H.S. Kwon, Pitting corrosion of the laser surface melted Alloy 600
- Lopasso, E.M., see Caro, A.
- Lopez, F.J., see Ibarra, A.
- Modesti, P., see Taddia, M.
- Monerie, Y., see Gatt, J.-M.
- Müller, G., see Ulbricht, A.
- Nikolaev, A., see Debarberis, L.
- Nikolaeva, L., see Geisler, T.
- Olander, D.R., see Hong, H.S.
- Pankajavalli, R., K. Ananthasivan, S. Anthonyam and P.R. Vasudeva Rao, Thermodynamic stabilities of  $\text{SrCeO}_3$  and  $\text{Sr}_2\text{CeO}_4$  using the fluoride EMF technique
- Pechenkin, V.A., see Kalinin, G.M.
- Perrier, D., see Lemort, F.
- Phalippou, J., see Simonnet, C.
- Puls, M.P., S.-Q. Shi and J. Rabier, Experimental studies of mechanical properties of solid zirconium hydrides
- Rabier, J., see Puls, M.P.
- Rodchenkov, B.S., see Kalinin, G.M.
- Rusanov, A.E., see Zhang, J.
- Saeed, K., see Ahmad, M.
- Sagisaka, M., see Sencer, B.H.
- Sandström, R., see Wu, R.
- Schwartz, A.J., see Arsenlis, A.
- Seitisleam, F., see Wu, R.
- 336 (2005) 201  
336 (2005) 210  
336 (2005) 125  
336 (2005) 65
- 336 (2005) 145
- 336 (2005) 163  
336 (2005) 1
- 336 (2005) 65  
336 (2005) 233  
336 (2005) 156
- 336 (2005) 173  
336 (2005) 145  
336 (2005) 90
- 336 (2005) 210  
336 (2005) 22
- 336 (2005) 113
- 336 (2005) 73  
336 (2005) 369  
336 (2005) 1
- 336 (2005) 177  
336 (2005) 369  
336 (2005) 163  
336 (2005) 243
- 336 (2005) 73  
336 (2005) 369  
336 (2005) 1
- 336 (2005) 120  
336 (2005) 314  
336 (2005) 279  
336 (2005) 31  
336 (2005) 279

- Sencer, B.H., G.S. Was, H. Yuya, Y.  
Isobe, M. Sagisaka and F.A. Garner,  
Cross-sectional TEM and X-ray ex-  
amination of radiation-induced  
stress relaxation of peened stainless  
steel surfaces  
336 (2005) 314
- Sevini, F., see Debarberis, L.  
Shaikh, M.A., see Ahmad, M.  
Shi, S.-Q., see Puls, M.P.  
Sihver, L., see Hong, H.S.  
Simonnet, C., A. Grandjean and J.  
Phalippou, Electrical behavior of  
platinum-group metals in glass-  
forming oxide melts  
336 (2005) 210
- Singh Mudher, K.D., see Keskar, M.  
Smith, K.L. and N.J. Zaluzec, The dis-  
placement energies of cations in  
perovskite ( $\text{CaTiO}_3$ )  
336 (2005) 120
- Snead, L.L., see Cockeram, B.V.  
Steinbrück, M., Oxidation of boron  
carbide at high temperatures  
336 (2005) 73
- Sturgeon, J.B., see Surh, M.P.  
Surh, M.P., J.B. Sturgeon and W.G.  
Wolfer, Radiation swelling behavior  
and its dependence on temperature,  
dose rate, and dislocation structure  
evolution  
336 (2005) 243
- Szenes, G., Ion-induced amorphization  
in ceramic materials  
336 (2005) 40
- Taddia, M., P. Modesti and A. Alber-  
tazzi, Determination of macro-con-  
stituents in lithium zirconate for  
tritium-breeding applications  
336 (2005) 217
- Trocadier, P., see Gosset, D.  
Turchi, P.E.A., see Caro, A.  
Turkin, A.A., see Dubinko, V.I.
- Uhlemann, M., see Ulbricht, A.  
Ulbricht, A., J. Böhmert, M. Uhlemann  
and G. Müller, Small-angle neutron  
scattering study on the effect of hy-  
drogen in irradiated reactor pressure  
vessel steels  
336 (2005) 11
- Ullmaier, H., see Chen, J.  
Utsunomiya, S., S. Yudintsev and R.C.  
Ewing, Radiation effects in ferrate  
garnet  
336 (2005) 251
- Valo, M., see Debarberis, L.  
Vasudeva Rao, P.R., see Pankajavalli,  
R.  
Venugopal, V., see Keskar, M.  
Vizcaíno, P., A.D. Banchik and J.P.  
Abriata, Hydride phase dissolution  
enthalpy in neutron irradiated Zir-  
caloy-4  
336 (2005) 54
- Was, G.S., see Busby, J.T.  
Was, G.S., see Sencer, B.H.  
Wolfer, W.G., see Arsenlis, A.  
Wolfer, W.G., see Surh, M.P.  
Wu, R., R. Sandström and F. Sei-  
tislaam, Low temperature creep  
crack growth in low alloy reactor  
pressure vessel steel  
336 (2005) 279
- Yagovkina, M., see Geisler, T.  
You, J.-H., Design feasibility study of a  
divertor component reinforced with  
fibrous metal matrix composite la-  
minate  
336 (2005) 31
- Yudintsev, S., see Utsunomiya, S.  
Yuya, H., see Sencer, B.H.  
336 (2005) 267
- Zaluzec, N.J., see Smith, K.L.  
Zamoryanskaya, M., see Geisler, T.  
Zhang, J., N. Li, Y. Chen and A.E.  
Rusanov, Corrosion behaviors of  
US steels in flowing lead–bismuth  
eutectic (LBE)  
336 (2005) 22
- Zhu, D., C.-W. Kim and D.E. Day,  
Corrosion behavior of Inconel 690  
and 693 in an iron phosphate melt  
336 (2005) 1
- Zinkle, S.J., see Hashimoto, N.  
Zirlin, V., see Geisler, T.  
Zucchini, A., P. Agostini and E. Baicchi,  
Lead–bismuth eutectic recrystalliza-  
tion studies for the Megapie target  
336 (2005) 40
- 336 (2005) 210
- 336 (2005) 177
- 336 (2005) 40
- 336 (2005) 267
- 336 (2005) 314
- 336 (2005) 31
- 336 (2005) 217
- 336 (2005) 22
- 336 (2005) 97
- 336 (2005) 251
- 336 (2005) 314
- 336 (2005) 261
- 336 (2005) 22
- 336 (2005) 97
- 336 (2005) 22
- 336 (2005) 47
- 336 (2005) 225
- 336 (2005) 22
- 336 (2005) 291