

Materials Science and Technology

April 2008 Volume 24 Number 4

- 379 **Literature review Inhomogeneous deformation in metallic glasses**
Y. Zhang
- 392 **Characterisation of thin section dissimilar weld joint comprising austenitic and ferritic stainless steels**
P. Bala Srinivasan and M. P. Satish Kumar
- 399 **Effect of extrusion parameters on microstructure and mechanical properties of ZK30 Mg alloy**
Govind, K. S. Nair, M. C. Mittal, R. Sikand and A. K. Gupta
- 406 **Experimental evaluation and simulation on aging characteristics of aluminised AP-HTPB composite solid propellant**
P. N. Kadiresh and B. T. N. Sridhar
- 413 **Analysis of machining of laser hardened M42 tool steel using computational techniques**
M. J. Jackson and M. D. Whitfield
- 427 **Effects of phthalate and sulphonic acid ester plasticisers on TiO₂ catalysed photodegradation of PVC**
G. Martin, A. J. Robinson and D. Worsley
- 435 **Prediction of effective elastic modulus of plain weave multiphase and multilayer silicon carbide ceramic matrix composite**
Y. J. Xu, W. H. Zhang and H. B. Wang
- 443 **Using carbon nanotubes to enhance creep performance of lead free solder**
S. M. L. Nai, J. Wei and M. Gupta
- 449 **Solute redistribution during transient liquid phase bonding of IN738LC with BNi-3 interlayer**
M. Mosallae, A. Ekrami, K. Ohsasa and K. Matsuura
- 457 **Effect of complexing agents on properties of electroless Ni-P deposits**
Y. H. Cheng, Y. Zou, L. Cheng and W. Liu
- 461 **Preparation of Ni-Cr alloy foams by electrodeposition technique**
D. L. Duan, S. Li, X. J. Ding and S. L. Jiang
- 467 **Wear resistance and damping capacity of semisolid processed hypoeutectic grey cast iron**
M. Ramadan, H. Nomura and M. Takita
- 474 **Investigation of tensile strength of hydroxyapatite with various porosities by diametral strength test**
Z. Evis and F. Ozturk
- 479 **Properties, processability and weldability of a novel affordable creep resistant nickel base superalloy**
F. Tancret and M. Bellini
- 488 **Effect of Zn addition on steady state creep characteristics of Sn-3.3Ag solder alloy**
A. Fawzy, N. Habib, M. Sobhy, E. Nassr and G. Saad
- 495 **Irreversible thermodynamics modelling of plastic deformation of metals**
M. Huang, P. E. J. Rivera-Díaz-del-Castillo, O. Bouaziz and S. van der Zwaag
- 501 **Effects of Bi on crystallisation in Ge-Sb-Te-Bi**
S. F. Chen, J. K. Chen and T. P. Chen