

5. Publications, 2008

1. **M F Abbod, C M Sellars, A Tanaka, D A Linkens and M Mahfouf** "Effect of changing strain rate on flow stress during hot deformation of Type 316L stainless steel", *Mat Sci Eng A*, **491** (2008) 20-296.
2. **M M Z Ahmed, B P Wynne, W M Rainforth and P L Threadgill** "An investigation of hardness, microstructure and crystallographic texture in thick sectioned friction stir welded AA6082", 7th Intl Friction Stir Welding Symp, Awaji Island, Japan, May 2008.
3. **M M Z Ahmed, B P Wynne, W M Rainforth and P L Threadgill** "Quantifying crystallographic texture in the probe-dominated region of thick-section friction-stir-welded aluminium", *Scripta Mat*, **59** (2008) 507-510.
4. **D A Allwood, P R Seem, S Basu, P W Fry, U J Gibson and P R Cowburn** "Over 40% transverse Kerr effect from $Ni_{80}Fe_{20}$ ", *Appl Phys Letts*, **92** (2008) 072503-1 – 072503-3.
5. **E Amsterdam, R Goodall, A Mortensen, P R Onck and J Th M De Hosson** "Fracture behavior of low-density replicated aluminium alloy foams", *Mat Sci Eng A*, **496** (2008) 376-382.
6. **G Angella, B P Wynne, W M Rainforth and J H Beynon** "Strength of AISI 316L in torsion at high temperature", *Mat Sci Eng A*, **475** (2008) 257-267.
7. **M J Angus, E Butcher, I H Godfery and N B Milestone** "The role and management of free water in the production of durable radioactive waste products using hydraulic cements", *Mater Res Soc Symp Proc*, **1107** (2008) 117-125.
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9. **M Audronis, A Leyland, P J Kelly and A Matthews** "Composition and structure-property relationships of chromium-diboride/molybdenum-disulphide PVD nanocomposite hard coatings deposited by pulsed magnetron sputtering", *Appl Phys A*, **91** (2008) 77-86.
10. **M Audronis, A Leyland, A Matthews, J G Wen and I Petrov** "Characterization studies of pulse magnetron sputtered hard ceramic titanium diboride coatings alloyed with silicon", *Acta Materialia*, **56** (2008) 4172-4182.
11. **M Audronis, A Matthews and A Leyland** "Pulsed-bias magnetron sputtering of non-conductive crystalline chromia films at low substrate temperature", *J Phys D: Appl Phys*, **41** (2008) 035309-1 – 035309-10.
12. **M Audronis, Z M Rosli, A Leyland, P J Kelly and A Matthews** "Tribological behaviour of pulsed magnetron sputtered CrB_2 coatings examined by reciprocating sliding wear testing against aluminium alloy and steel", *Surf Coat Technol*, **202** (2008) 1470-1478.
13. **P B S Bailey, S A Hayes, R J Hand and B Zhang** "Chemical monitoring of composite matrices by evanescent wave", *Trans Tech Publications, Switzerland* (2008) 6pp.
14. **S Bandyopadhyay-Ghosh, I M Reaney, A Johnson, K Hurrell-Gillingham, I M Brook and P V Hatton** "The effect of investment materials on the surface of cast fluorocanite glasses and glass-ceramics", *J Mater Sci: Mater Med*, **19** (2008) 839-846.
15. **A S Barinov, G A Varlakova, S V Stefanovsky and M I Ozhovan** "Changes of structure and properties of vitrified radioactive wastes during long-term storage on testing site", *Atomic Energy*, **105** (2008) 87-93.
16. **A S Barinov, G A Varlakova, I V Startceva, S V Stefanovsky, M I Ozhovan and B P McGrail** "Corrosion durability of NPP vitrified radioactive waste", *Radiation Safety Issues*, **3** (2008) 22-33.
17. **O G Batyukhnova, A E Arustamov, S A Dmitriev, V V Agrinenko, M I Ojovan and Z Drace** "Training activities on radioactive waste management at moscow sia "radon": experience, practice, theory", *Proc. WM'08 Conference*, February 24 – 28, 2008, Phoenix, Arizona, WM-8164, 8p.
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19. **S Behzadi and F R Jones** "The effect of temperature on stress transfer between a broken fibre and the adjacent fibres in unidirectional fibre composites", *Comp Sci and Tech*, **68** (2008) 2690-2696.
20. **I Betancourt, G Cruz-Arcos, T Schrefl and H A Davies** "Coercivity enhancement in boron-enriched stoichiometric $REFeB$ melt-spun alloys", *Acta Materialia*, **56** (2008) 4890-4895.
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27. **P A Bingham, G Yang, R J Hand and G Möbus** "Boron environments and irradiation stability of iron borophosphate glasses analysed by EELS", *Solid State Science*, **10** (2008) 1194-1199.

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29. **C Blake, J Edmunds, L Shelford, J Moger and S J Matcher** "Measurement of sinusoidal flow oscillations in a glass capillary tube using phase-resolved DOCT", *Proc SPIE*, 6847 (2008) 684720-1 – 684720-8
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38. **M Cable** "Bontemps on Glassmaking, Guide du Verrier of Georges Bontemps". Translated by M Cable, The Society of Glass Technology 2008.
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46. **F Claeysens, C L Freeman, J H Harding and N L Allan** "A theoretical study of ultra-thin films with the Wurtzite and Zinc Blende structures", *Mater Res Soc Symp*, **1035** (2007) 1035-L09-08
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