

7. Publications, 2006

1. **M F Abbod, Q Zhu, D A Linkens, C M Sellars and M Mahfouf** "Hybrid models for aluminium alloy properties prediction", *C Eng Pract*, **14** (2006) 537-546.
2. **T B Adams, D C Sinclair and A R West** "Characterization of grain boundary impedances in fine- and coarse-grained $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ ceramics", *Physical Review B*, **73** (2006) 094124-1 – 094124-9.
3. **T B Adams, D C Sinclair and A R West** "Decomposition reactions in $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ Ceramics", *J Am Ceram Soc*, **89**(9) (2006) 2833-2838.
4. **T B Adams, D C Sinclair and A R West** "Influence of processing conditions on the electrical properties of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ Ceramics", *J Am Ceram Soc*, **89**(10) (2006) 3129-3135.
5. **D A Allwood, T Schrefl, G Hrkac, I G Hughes and C S Adams** "Mobile atom traps using magnetic nanowires", *Appl Phys Lett*, **89** (2006) 014102-1 – 014102-3.
6. **D A Allwood, G Xiong and R P Cowburn** "Magnetic domain wall serial-in parallel-out shift register", *Appl Phys Lett*, **89** (2006) 102504-1 – 102504-3.
7. **D A Allwood, G Xiong and R P Cowburn** "Writing and erasing data in magnetic domain wall logic systems", *J Appl Phys*, **100** (2006) 123908-1 – 123908-9-6.
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13. **G A Badini Confalonieri, H A Davies and M R J Gibbs** "Evolution of Barkhausen jumps in annealed amorphous wire having vanishing values of magnetostriction", *J Appl Phys*, **100** (2006) 043914-1 – 043914-5.
14. **S Bance, T Schrefl, G Hrkac, D Suess, C Brownlie, S McVitie, J N Chapman and D A Allwood** "Transitions between vortex and transverse walls in NiFe nano-structures", *IEEE Trans Magn*, **40**(10) (2006) 2966-2968.
15. **S Bandyopadhyay-Ghosh, I M Reaney, A Johnson, I M Brook, K Hurrell-Gillingham and P V Hatton** "Castability and Biocompatibility of novel fluorocanaseite glass-ceramics", *Key Eng Mat Vols* **309-311** (2006) 293-296.
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