

LIST OF PUBLICATIONS: Dr Hidekazu Kurebayashi

- [13] "Numerical model for spin-dependent transport of photoexcited electrons across Fe/GaAs(001) interfaces"
H. Kurebayashi, T. Trypiniotis, K. Lee, C. Moutafis, S. Easton, A. Ionescu, J. A. C. Bland and C. H. W. Barnes, *in-press in J. Phys. D: Applied Physics*.
- [12] "The Initial Growth Mode of Co on Cu(311)"
S. Easton, A. Ionescu, **H. Kurebayashi**, J-Y Kim and C. H. W. Barnes, *J. Appl. Phys.* **107** 09E101 (2010).
- [11] "Spin-engineering in the Co₇₅Fe₂₅/Cu(110) system"
S. Easton, D. Kupper, A. Ionescu, **H. Kurebayashi**, and C. H. W. Barnes, *J. Magn. Mater. Magn.* **322** 2493 (2010).
- [10] "Schottky Barrier Height in Fe/GaAs Films"
L. R. Fleet, K. Yoshida, H. Kobayashi, Y. Ohno, **H. Kurebayashi**, K. Jun-Young, C. H. W. Barnes and A. Hirohata, *IEEE TRANS. MAG.* **46** 1737 (2010).
- [9] "Electrical determination of spin relaxation time of photoexcited electrons in GaAs"
H. Kurebayashi, T. Trypiniotis, K. Lee, S. Easton, A. Ionescu, I. Farrer, D. Ritchie, J. A. C. Bland and C. H. W. Barnes, *Appl. Phys. Lett.* **96**, 022505 (2010), also featured in *Virtual Journal of Nanoscience & Technology*.
- [8] "Spin polarization control through resonant states in an Fe/GaAs Schottky barrier"
S. Honda, H. Itoh, and J. Inoue, **H. Kurebayashi**, T. Trypiniotis, C. H. W. Barnes, A. Hirohata, and J. A. C. Bland, *Phys. Rev. B* **78** 245316 (2008)
- [7] "Effect of MgO barriers on ferromagnetic metallic layers studied by polarized neutron reflectivity"
J.-B. Laloë, A. Ionescu, S. Easton, N.-J. Steinke, T. J. Hayward, **H. Kurebayashi**, J. A. C. Bland, T. R. Charlton, R. M. Dalgliesh, and S. Langridge, *Appl. Phys. Lett.* **93**, 102505 (2008).
- [6] "Distinct evolution of magnetism and anisotropy of ultrathin CoFe and Co films on Cu(110) upon gas adsorption"
D. Kupper, A. Ionescu, S. Easton, **H. Kurebayashi**, and J. A. C. Bland, *J. Appl. Phys.* **103** 07C911 (2008).
- [5] "Initial/final state selection of the spin polarization in electron tunneling across an epitaxial Fe/GaAs(001) interface"
H. Kurebayashi, S. J. Steinmuller, J. B. Laloë, T. Trypiniotis, S. Easton, A. Ionescu, J. R. Yates, and J. A. C. Bland, *Appl. Phys. Lett.* **91**, 102114 (2007), also featured in *Virtual Journal of Nanoscience & Technology*.
- [4] "Magnetic Properties of Epitaxial Co₂Cr_{1-x}Fe_xAl Full Heusler Alloy Thin Films with the L2₁ Structure"
A. Hirohata, **H. Kurebayashi**, S. Okamura, N. Tezuka, and K. Inomata, *IEEE TRANS. MAG.* **41** 10 (2005).
- [3] "Structural and magnetic properties of epitaxial L2₁-structured Co₂(Cr,Fe)Al films grown on GaAs(001) substrates"
A. Hirohata, **H. Kurebayashi**, S. Okamura, M. Kikuchi, T. Masaki, T. Nozaki, N. Tezuka, and K. Inomata, *J. Appl. Phys.* **97** 103714 (2005).
- [2] "Magnetic properties of L2₁-structured Co₂(Cr,Fe)Al films grown on GaAs(001) substrates"
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- [1] "Magnetoresistance in tunnel junctions using Co₂(Cr, Fe)Al full Heusler alloys"
K. Inomata, N. Tezuka, S. Okamura, **H. Kurebayashi**, and A. Hirohata, *J. Appl. Phys.* **95** 7234 (2004).