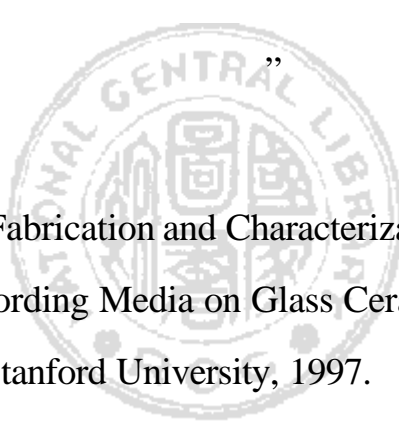


## 附錄. 參考文獻

- 
- [1] 張志高, “簡介橫向式磁紀錄媒體”, 材料會訊, 第六卷, 第三期, 1999.
- [2] J. J.-K. Chang, “Fabrication and Characterization of Low Noise Longitudinal Recording Media on Glass Ceramic Substrates”, Ph. D. Thesis in MSE., Stanford University, 1997.
- [3] R. Lawrence Comstock, “Introduction to Magnetism and Magnetic Recording”, Ch. 6 & Ch. 8, J. Wiley & Sons, Inc., 1999.
- [4] H. Neal Bertram, “Theory of Magnetic Recording”, Cambridge University Press, 1994.
- [5] Alexander Taratorin, “Characterization of Magnetic Recording Systems”, Ch. 1, Guzik Technical Enterprises, 1996.
- [6] T. Chen, “The Magnetic Properties of High coercivity Metallic Thin Films and Their Effects on the Limit of Packing Density in Digital Recording”, IEEE Trans. Magn., MAG-17, pp.1181-91, 1981.
- [7] H.J. Richter, R.Y. Ranjan, “Relaxation Effects in Thin Film Media and their Consequences”, JMMM, 193, pp.213-19, 1999.
- [8] D. Weller and A. Moser, “Thermal Effect Limits in Ultrahigh-Density Magnetic Recording”, IEEE Trans. Magn., 35(6), pp.4423-39, Nov. 1999.
- [9] K. O’ Grady and H. Laidler, “The Limits to Magnetic Recording – Media Considerations”, JMMM, 200, pp.616-33, 1999.
- [10] McHenry and Laughlin, “Nano-Scale Materials Development”
- [11] S.E. McKinlay, N. Fusing, and R. Sinclair,

- “Microstructure/Magnetic Property Relationships in CoCrPt Magnetic Thin Films”, IEEE Trans. Magn. 32(5), pp.3587-89, Sep. 1996.
- [12] J. Zou, B. Lu, T. Leonhardt, D.E. Laughlin, and D.N. Lambeth, “High Coercivity CoCrPt Films Achieved by Post-deposition Rapid Thermal Annealing”, J. Appl. Phys., 87(9), pp.6869-71, May 2000.
- [13] D.E. Laughlin, L.-L. Lee, Li Tang and D.N. Lambeth, “The Control and Characterization of the Crystallographic Texture of Longitudinal Thin Film Recording Media”, IEEE Trans. Magn., 32(5), pp.3632-36, Sep., 1996.
- [14] Ga-Lane Chen, “MR Recording Media : Microstructure and Magnetic Properties”, IEEE Trans. Magn., 34(2), pp366-71, Mar., 1998.
- [15] D.E. Laughlin, B. cheong, Y.C. Feng, D.N. Lambeth, L.-L. Lee, and Bunsen Wong, “The Control of Microstructural Features of Thin Films for Magnetic Recording”, Scripta Metallurgica et Materialia, 33(10/11), pp.1525-36, 1995.
- [16] K.M. Kemner, V.G. Harris, W.T. Elam, Y.C. Feng, D.E. Laughlin, J.C.Woicik, and J.C. Lodder, “Preferential Site distribution of Dilute Pt and Ta in CoCr-based films : An extended X-ray absorption fine structure study”, J. Appl. Phys., 82(6), pp.2912-16, Sep., 1997.
- [17] Akira Ishikawa, Robert Sinclair, “Effects of Pt Addition on the Magnetic and Crystallographic Properties of Co-Cr-Pt Thin-film Media”, JMMM, 152, pp.265-273, 1996.
- [18] J.E. Witting, T.P. Nolan, C.A. Ross, M.E.Cchabes, K.Tang, R. Sinclair, J. Bentley, “Chromium Segregation in CoCrTa/Cr and

- CoCrPt/Cr Thin Films for Longitudinal Recording Media”, IEEE Trans. Magn., 34(4), pp.1564-66, Jul., 1998.
- [19] Nobuyuki Inaba and Masaaki Futamoto, “Effects of Pt and Ta Addition on Compositional Microstructure of CoCr-alloy Thin Film Media”, J. Appl. Phys., 87(9), pp.6863-65, May, 2000.
- [20] J.P. Lazzari, I. Melnick and D. Randet, IEEE Trans. Magn., 3, pp.205-207, 1967.
- [21] J.K. Howard, “Magnetic Recording Medium with a Chromium Alloy Underlayer and a Cobalt-based Magnetic Layer”, U.S. Patent, ID 4652499.
- [22] B.Y. Wong and J.-F. Ying, “Cr Underlayer Lattice Modulation Through Alloying and Multi-layer Construction”, IEEE Trans. Magn., 35(5), pp.2646-48, Sep., 1999.
- [23] Y. Matsuda, Y. Yahisa, J. Inagaki, E. fuhita, a. Ishikawa, and Y. Hosoe, “Reduction of Co-Cr-Pt Media Noise by Addition of Ti to Cr Underlayer”, J. Appl. Phys., 79(8), pp.5351-53, Apr. 1996.
- [24] N. Inaba, A. Nakamura, T. Yamamoto, Y. Hosoe, and M. Futamoto, “Magnetic and Crystallographic Properties of CoCrPt Thin Films Formed on Cr-Ti Single Crystalline Underlayers”, J. Appl. Phys., 79(8), pp.5354-56, Apr. 1996.
- [25] T. Kanbe, Y. Takahashi, K. tanahashi, A. Ishikawa, and Y. Hosoe, “Effects of Underlayer Grain Size on the Microstructure of the Magnetic Layer in CoCrPt Media”, IEEE Trans. Magn. 35(5), pp.2667-69, Sep. 1999.
- [26] N. Inaba and M. Futamoto, “Effects of alloying element in Cr-based Underlayer on Magnetic Properties of Co-Cr-Pt Media”, IEICE Trans.

Elec. E83C: (9), pp.1467-72, Sep. 2000.

- [27] C. Gao, S.Y. Lee, R. Malmhall and G.C. Rauch, “Composition and Underlayer Effects on Media Noise and Off-Track Error Rate Performance of CoCrPtTa Sputtered Films on Alternative Substrates”, IEEE Trans. Magn. 32(5), pp.3569-71, Sep. 1996.
- [28] L.-L. Lee, D.E. Laughlin, and D.N. Lambeth, “CrMn Underlayer for CoCrPt Thin Film Media”, IEEE Trans. Magn. 34(4), pp.1561-63, Jul. 1998.
- [29] J. Gong, W. Yang, D.N. Lambeth, M.Rao and D.E. Laughlin, “Thermal Stability of Ultra-thin Co recording Media”, IEEE Trans. Magn. 34(4), pp.1612-14, Jul. 1998.
- [30] J. Zou, B. Lu, D.E. Laughlin, and D.N. Lambeth, “The Properties of CoCrPt/CrMn/NiAl and CoCrPt/Cr/NiAl Films, IEEE Trans. Magn. 35(5), pp.2661-63, Sep. 1999.
- [31] H. Song, S.-Y. Hong, S.-J. Kwon, T.-D. Lee, and K.-H. Shin, “HCP structured CoCrMn Underlayer for Co-based Longitudinal Magnetic Recording Media”, IEEE Trans. Magn. 36(5), pp.2300-02, Sep. 2000.
- [32] A. Nakamura and M. Futamoto, “Epitaxial Growth of Co/Cr Bilayer Films on MgO Single Crystal Substrate”, Jpn. J. Appl. Phys. 32 L1410, 1993.
- [33] L.-L. Lee, B.K. Cheong, D.E. Laughlin and D.N. Lambeth, “MgO Seed Layers for CoCrPt/Cr Longitudinal Magnetic Recording Media”, Appl. Phys. Lett., 67(24), pp.3638-40, 1995.
- [34] L.-L. Lee, D.E. Laughlin & D.N. Lambeth, “NiAl Underlayers for CoCrTa Magnetic Thin Films”, IEEE Trans. Magn., 30(6), pp.3951-53, Nov. 1994.

- [35] L.-L. Lee, D.E. Laughlin & D.N. Lambeth, “The Effects of B2 Structured Underlayers on Thin Film Magnetic Recording Media”, *Vacuum*, 51(4), pp.703-710, 1998.
- [36] B. Lu, D.E. Laughlin, D.N. Lambeth S.Z. Wu, R. Ranjan, and G.C. Rauch, “Texture Evolution in CoCrPtTa/Cr/NiAl Magnetic Recording Media”, *J. Appl. Phys.*, 85(8), pp.4295-97, Apr. 1999.
- [37] L.-L. Lee, D.E. Laughlin, L. Fang and D.N. Lambeth, “Effects of Cr Intermediate Layers on CoCrPt Thin Film Media on NiAl Underlayers”, *IEEE Trans. Magn.* 31(6), pp.2728-30, Nov. 1995.
- [38] S. Ohkijima, M. Oka, H. Murayama, “Effect of CoCr Interlayer on Longitudinal Recording”, *IEEE Trans. Magn.* 33(5), pp.2944-97, Sep. 1997.
- [39] J. Zou, D.E. Laughlin and D.N. Lambeth, “CoCrTa Intermediate Layers on NiAl Underlayers for CoCrPt Longitudinal Thin Film Magnetic Media”, *IEEE Trans. Magn.* 34(4), pp.1582-84, Jul. 1998.
- [40] Y. Yahisa, K. Kimoto, K. Usami, Y. Matsuda, J. Inagaki, K. Furusawa, and S. Narishige, “Electron Spectroscopic Imaging Analysis of Compositional Inhomogeneity in CoCrTa Longitudinal Thin Film Media”, *IEEE Trans. Magn.*, 31(6), pp.2836-38, Nov. 1995.
- [41] K. Tang, M.E. Schabes, C.A.Ross, L. He, R. Ranjan, T. Yamashita, and R. Sinclair, “Magnetic Clusters, Intergranular Exchange Interaction and Their Microstructural Basis in Thin Film Longitudinal Media”, *IEEE Trans. Magn.*, 33(5), pp.4074-76, Sep. 1997.
- [42] Y. Shen, D.E. Laughlin and D.N. Lambeth, “Effects of Substrate Temperature on Magnetic Properties of CoCrTa/Cr Films”, *IEEE*

Trans. Magn., 28(5), pp.3261-63, Sep. 1992.

- [43] S.L. Duan, J.O. Artman, J.-W. Lee, B. Wong and D.E. Laughlin,  
“Effect of Sputtering Conditions, Annealing and the Microstructure  
of Cr Underlayer on the Magnetic Properties of CoNiCr/Cr Thin  
Films”, IEEE Trans. Magn., 25(5), pp.3884-86, Sep. 1989.
- [44] Y. Okumura, H. Morita, H. Fujimori, X.B. Yang and I. Endo,  
“Segregation Structure of Bias-Sputtered CoCr/Cr and CoCrTa/Cr  
Films”, IEEE Trans. Magn., 29(6), pp.3144-46, Nov. 1993.
- [45] Y. Hosoe, Y. Yahisa, R. Tsuchiyama, A. Ishikawa, K. Yoshida, M.  
Igarashi, and Y. Shiroishi, “Bicrystal Cluster Structure and Magnetic  
Properties of CoCrTa/Cr Thin Film Media”, IEEE Trans. Magn.,  
31(6), pp.2824-26, Nov. 1995.