

References

- [1] T. Shimatsu *et al.*, “**High Perpendicular Magnetic Anisotropy of CoPtCr/Ru Films for Granular-Type Perpendicular Media,**” *IEEE Trans. Magn.*, **40** (2004) 2483.
- [2] Fullerton EE *et al.*, “**Antiferromagnetically coupled magnetic media layers for thermally stable high-density recording,**” *Appl. Phys. Lett.*, **77** (2000) 3806.
- [3] S. Iwasaki and K. Takemura, “**An analysis for the circular mode magnetization in short wavelength,**” *IEEE Trans. Magn.*, **11** (1975) 1173.
- [4] K. Ouchi and N. Honda, “**Overview of Latest Work on Perpendicular Recording Media,**” *IEEE Trans. Magn.*, **36** (2000) 16.
- [5] S. H. Charap *et al.*, “**Thermal Stability of Recorded Information at High Densities,**” *IEEE Trans. Magn.*, **33** (1997) 978.
- [6] Martin P. Stehno, “**Intergranular exchange in perpendicular recording media,**” the thesis research from the Magnetic Materials work group at the Vienna University of Technology, Vienna.
- [7] Dmitri Litvinov *et al.*, “**Recording physics of perpendicular media: hard layers**” *J. Magne. Magn. Mater.*, **241** (2002) 453.
- [8] T. Keitoku *et al.*, “**Preparation of CoCrPt alloy film with high perpendicular coercivity and large negative nucleation field,**” *J. Magn. Magn. Mater.* **235** (2001) 34.
- [9] Shin Saito *et al.*, “**Improvement of Perpendicular Magnetic Properties by Postannealing for M –CoCrPt–M Stacked Media (M, M = Ti, Ta, Ru, Pt, CrMn, MnSi),**” *IEEE Trans. Magn.*, **40** (2004) 2467.
- [10] I. S Lee *et al.*, “**Role of a paramagnetic amorphous CoZr seed layer in CoCrPt/Ti perpendicular media,**” *J. Appl. Phys.*, **85** (1999) 6133.
- [11] S. Saito *et al.*, “**Effects of Very Thin Carbon Seedlayer on Formation of hcp Phase for CoCrPtB/Co₆₀Cr₄₀ Perpendicular Magnetic Recording Media,**”

- IEEE Trans. Magn.*, **38** (2002) 1985.
- [12] Min Zheng and Geon Choe, **"Seedlayer and preheating effects on crystallography and recording performance of CoCrPtB perpendicular media,"** *IEEE Trans. Magn.*, **38** (2002) 1979.
- [13] E.W. Soo *et al.*, **"The effects of NiP seed layer in Co-alloy perpendicular thin film media,"** *J. Magn. Magn. Mater.* **235** (2001) 93.
- [14] C.L. Platt *et al.*, **"Structural and magnetic properties of CoCrPt perpendicular media grown on different buffer layers,"** *J. Magn. Magn. Mater.* **247** (2002) 153.
- [15] Bin Lu *et al.*, **"High anisotropy CoCrPt(B) media for perpendicular magnetic recording,"** *J. Appl. Phys.*, **93** (2003) 6751.
- [16] P. Jang *et al.*, **"Role of Ag seed layer for CoCrPt/Ti perpendicular recording media,"** *J. Appl. Phys.*, **93** (2003) 7741.
- [17] J. Ariake *et al.*, **"Pt/C Intermediate Layer for Co–Cr Perpendicular Magnetic Recording Media With Extremely High Resolution,"** *IEEE Trans. Magn.*, **39** (2003) 2294.
- [18] Y. Hirayama *et al.*, **"Low Noise Performance of CoCrPt Single-Layer Perpendicular Magnetic Recording Media ,"** *IEEE Trans. Magn.*, **36** (2000) 2396.
- [19] Y. Honda *et al.*, **"Effects of Carbon Intermediate Layer on Structure and Magnetic Properties of Double-Layer Perpendicular Magnetic Recording Media,"** *IEICE Trans. Electron.*, **E85-C** (2002) 1745.
- [20] Y. Ikeda *et al.*, **"Microstructure study of CoCrPt/Ti/NiAl perpendicular media,"** *J. Magn. Magn. Mater.* **235** (2001) 104.
- [21] Bin Lu *et al.*, **"Study of stacking faults in Co-alloy perpendicular media,"** *J. Appl. Phys.*, **91** (2002) 8025.
- [22] Y. Takahashi *et al.*, **"Stacking faults in Co–Cr–Pt perpendicular magnetic**

recording media,” *J. Appl. Phys.*, **91** (2002) 8022.

- [23] Y. Ikeda *et al.*, “**Exchange Coupling Optimization on CoPtCrO Perpendicular Media,**” *IEEE Trans. Magn.*, **39** (2003) 2341.
- [24] Gerardo A. Bertero *et al.*, “**Optimization of Granular Double-Layer Perpendicular Media,**” *IEEE Trans. Magn.*, **38** (2002) 1627.
- [25] Dae-Hoon Hong *et al.*, “**Dependence of Sputtering Power and Soft Underlayer on Magnetic Properties in CoCrPtO Perpendicular Recording Media,**” *IEEE Trans. Magn.*, **40** (2004) 2480.
- [26] E. M. T. Velu *et al.*, “**Low-Noise CoCrPtO Perpendicular Media with Improved Resolution,**” *IEEE Trans. Magn.*, **39** (2003) 668.
- [27] M. Zheng *et al.*, “**SNR Improvement of Granular Perpendicular Recording Media,**” *IEEE Trans. Magn.*, **39** (2003) 1919.
- [28] Y. Inaba *et al.*, “**Optimization of the SiO₂ Content in CoPtCr-SiO₂ Perpendicular Recording Media for High-Density Recording,**” *IEEE Trans. Magn.*, **40** (2004) 2486.
- [29] T. Shimatsu *et al.*, “**Thickness Reduction in CoPtCr-SiO₂ Perpendicular Recording Media to Improve Media Performance,**” *IEEE Trans. Magn.*, **40** (2004) 2461.
- [30] J. K. Park *et al.*, “**Optimization of Ru intermediate layer in CoCr-based perpendicular magnetic recording media,**” *phys. stat. sol. (a)* **201** (2004) 1763.
- [31] T. Oikawa *et al.*, “**Microstructure and Magnetic Properties of CoPtCr-SiO₂ Perpendicular Media,**” *IEEE Trans. Magn.*, **38** (2002) 1976.
- [32] D. Litvinov *et al.*, “**Recording physics of perpendicular media: soft underlayers,**” *J. Magn. Magn. Mater.* **232** (2001) 84.
- [33] S. Takenoiri *et al.*, “**Magnetic Properties, Magnetic Cluster Size, and Read-Write Performance of CoPtCr-SiO₂ Perpendicular Recording Media .**

- ,” *IEEE Trans. Magn.*, **39** (2003) 2279.
- [34] N. Honda and K. Ouchi, “**Low noise design of perpendicular magnetic recording media,**” *J. Magn. Magn. Mater.* **235** (2001) 289.
- [35] Y. Ikeda *et al.*, “**Exchange Coupling Optimization on CoPtCrO Perpendicular Media,**” *IEEE Trans. Magn.*, **39** (2003) 2341.
- [36] T. Simatsu *et al.*, “**Magnetic cluster size and activation volume in perpendicular recording media,**” *J. Appl. Phys.*, **93** (2003) 7732.
- [37] M. Stehno *et al.*, “**Exchange Numerical Switching Experiments for Perpendicular Media,**” *IEEE Trans. Magn.*, **39** (2003) 2297.
- [38] H. Uwazumi *et al.*, “**Recording Performance of CoCrPt-(Ta, B)/TiCr Perpendicular Recording Media,**” *IEEE Trans. Magn.*, **37** (2001) 1595.
- [39] René J. M. van de Veerdonk *et al.*, “**Switching Field Distributions and M Measurements for Perpendicular Media,**” *IEEE Trans. Magn.*, **38** (2002) 2450.
- [40] X. W. Wu *et al.*, “**M study of perpendicular recording media,**” *J. Appl. Phys.*, **93** (2003) 7732.
- [41] René J. M. van de Veerdonk *et al.*, “**Determination of Switching Field Distributions for Perpendicular Recording Media,**” *IEEE Trans. Magn.*, **39** (2002) 590.
- [42] Y. Inaba *et al.*, “**Optimization of the SiO₂ Content in CoPtCr-SiO₂ Perpendicular Recording Media for High-Density Recording,**” *IEEE Trans. Magn.*, **40** (2004) 2486.
- [43] T. Keitoku *et al.*, “**Preparation condition of Co-Pt-Cr-SiO₂ films with high coercivity,**” *J. Magn. Magn. Mater.* **287** (2005) 172.
- [44] T. Shimatsu *et al.*, “**Formation of Magnetic Cluster and Remanence Coercivity in Granular-Type Perpendicular Media,**” *IEEE Trans. Magn.*, **39** (2003) 2335.

- [45] T. Shimatsu *et al.*, “**Thermal stability in perpendicular recording media,**” *J. Magn. Magn. Mater.* **235** (2001) 273.
- [46] H. Uwazumi *et al.*, “**CoPtCr-SiO₂ Granular Media for High-Density Perpendicular Recording,**” *IEEE Trans. Magn.*, **39** (2003) 1914.

