

## 2009 — SHIRATSUCHI Yu

### Scientific Papers/Commentary Articles

1. Hiroaki Nemoto, Ikuko Takekuma, Ryoko Araki, Kiwamu Tanahashi and Ryoichi Nakatani, Ultrahigh-Hc granular media with [CoB/Pt]<sub>n</sub> multilayer film sputtered under Ar+O<sub>2</sub> atmosphere, Journal of Applied Physics, 105, 07B705-1-07B705-3, 2009
2. Yu Shiratsuchi, Toshihiro Nakatani, Shin-ichi Kawahara and Ryoichi Nakatani, Magnetic coupling at interface of ultrathin Co film and antiferromagnetic Cr<sub>2</sub>O<sub>3</sub>(0001) film, Journal of Applied Physics, 106, 033903-1–033903-7, 2009
3. Yu Shiratsuchi, Mitsuyoshi Yamashita, Ryoichi Nakatani and Masahiko Yamamoto, Magnetic properties of L1<sub>2</sub>-type CrPt<sub>3</sub>(111) film having the different order parameters, Journal of Magnetism Society of Japan, 33, 447-450, 2009
4. Noboru Iwata, Yoshiteru Murakami, Akira Takahashi, Hikaru Nomura and Ryoichi Nakatani, Amorphous Magnetic Film Patterned Media with Columnar Structure, Journal of Magnetism Society of Japan, 33, 459-462, 2009
5. Yu Shiratsuchi, Toshihiro Nakatani, Shin-ichi Kawahara and Ryoichi Nakatani, Fabrication of Antiferromagnetic  $\alpha$ -Cr<sub>2</sub>O<sub>3</sub>(0001) Thin Film and Influence on Magnetism of Ultrathin Co Film, Journal of Magnetism Society of Japan, 33, 467-472, 2009
6. Yu Shiratsuchi, Fumihiko Nishiura, Kenichi Tachibori, Akifumi Higashiura, Atsushi Nakagawa, Ryoichi Nakatani, Tomitake Tsukihara and Masahiko Yamamoto, Magnetic properties of P<sub>4</sub>V encapsulating of Ni ions, Journal of Magnetism Society of Japan, 33, 473-476, 2009
7. Ryoichi Nakatani, Hikaru Nomura and Yasushi Endo, Magnetic logic devices composed of permalloy dots, Journal of Physics: Conference Series, 165, 012030 - 1-012030-6, 2009
8. Hideki Etoh, Junichi Sato, Yoshiteru Murakami, Akira Takahashi and Ryoichi Nakatani, Magnetic properties of Mn-Zn ferrite thin films fabricated by pulsed laser deposition, Journal of Physics: Conference Series, 165, 012031 - 1-012031-4, 2009
9. Takanobu Sato, Yasushi Endo, Fumiyoshi Kirino and Ryoichi Nakatani, Differences in structure and magnetic behavior of Mn-AlN films due to substrate material, Journal of Physics: Conference Series, 165, 012032 - 1-012032-4, 2009
10. Yoshiyuki Hirayama, I. Tamai, I. Takamura and Ryoichi Nakatani, Role of underlayer for segregated structure formation of CoCrPt-SiO<sub>2</sub> granular thin film, Journal of Physics: Conference Series, 165, 012033 - 1-012033-4, 2009
11. Yu Shiratsuchi, Toshihiro Nakatani, Ryoichi Nakatani and Masahiko Yamamoto, Superparamagnetism of ultrathin Co film on antiferromagnetic Cr<sub>2</sub>O<sub>3</sub> layer, Journal of Physics: Conference Series, 165, 012034 - 1-012034-6, 2009

12. Hikaru Nomura, Tatsuro Nagayama, Daisuke Yokota and Ryoichi Nakatani, Development of a magnetic force microscopy for magnetically soft materials, *Journal of Physics: Conference Series*, 165, 012036 - 1-012036-4, 2009
13. Yasushi Endo, Isao Sasaki, Ryoichi Nakatani and Masahiko Yamamoto, Local probing of vortex core movement in a Ni-Fe disk using magnetic field sweeping-magnetic force microscopy, *Japanese Journal of Applied Physics*, 48, 66502-1-66502-5, 2009
14. Yu Shiratsuchi, Shin-ichi Kawahara, Hayato Noutomi, and Ryoichi Nakatani, Interface magnetism of Au/Co/Cr<sub>2</sub>O<sub>3</sub>(0001) epitaxial film with perpendicular magnetic anisotropy and perpendicular exchange bias, *IEEE Transaction on Magnetics*, 46, in press, 2010