

## 2010 —NAKATANI Ryoichi

### Scientific Papers/Commentary Articles

1. 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(6), 1618-1621, 2010
2. Yu Shiratsuchi, Toshiaki Fujita, Hiroto Oikawa, Hayato Noutomi and Ryoichi Nakatani, High Perpendicular Exchange Bias with a Unique Temperature dependence in Pt/Co/a-Cr<sub>2</sub>O<sub>3</sub>(0001) Thin Films, *Applied Physics Express*, 3(11), 113001-1 - 113001-3, 2010
3. Hikaru Nomura and Ryoichi Nakatani, NAND/NOR Logical Operation of a Magnetic Logic Gate with Canted Clock-Field, *Applied Physics Express*, 4(1), 013004-1 - 013004-3, 2011
4. Hiroaki Nemoto, Hiroyuki Nakagawa, Kiwamu Tanahashi, and Ryo-ichi Nakatani, Highly HK-graded perpendicular media with [CoB/Pt]<sub>n</sub> + O multilayer film, *Journal of Applied Physics*, 107, 07B719-1 - 07B701-3, 2011
5. Yu Shiratsuchi, Hayato Noutomi, Hiroto Oikawa, Toshiaki Fujita and Ryoichi Nakatani, Competition of perpendicular magnetic anisotropy and exchange magnetic anisotropy in Pt/Co/a-Cr<sub>2</sub>O<sub>3</sub>(0001) thin film, *Journal of Applied Physics*, 107, 07C101-1 – 07C101-3, 2011

### Symposia

1. International Symposium on Advanced Magnetic Materials and Applications, Invited speakers: P. Fischer, Lawrence Berkeley National Laboratory / T. H. M. Rasing, Radboud Univ. Nijmegen / S. Sugimoto, Tohoku Univ.
2. International Conference of Asian Union of Magnetic Societies, Invited speakers: Hiro Akinaga, AIST, Japan / Russell Cowburn, Cambridge University, UK / Valentyn Novosad, Argonne National Laboratory, USA