

2008 年度業績 — 荒木 秀樹

学術論文・解説記事

1. Masataka Mizuno, Hideki Araki, Yasuharu Shirai, First-principles study of vacancy formation in LaNi₅, Journal of Physics: Condensed Matter, 20, 275232-1 – 275232-5, 2008
2. Kazuki Sugita, Masataka Mizuno, Hideki Araki, Yasuharu Shirai, Electronic Structure and Bonding in Amorphous Zr₆₇Ni₃₃ and Zr₆₇Cu₃₃, Advances in Quantum Chemistry, 54, 161-174, 2008
3. Takeshi Nishiuchi, Satoshi Hirosawa, Masaki Nakamura, Masatoshi Kakimoto, Takeshi Kawabayashi, Hideki Araki, Yasuharu Shirai, Relationship between Coercivity and Microstructural Changes During DR Treatment in the HDDR-processed Nd-Fe-Co-B Alloy, IEEJ Transactions on Electrical and Electronic Engineering, 3, 390-393, 2008

国際会議プロシーディングス

1. Takeshi Nishiuchi, Shin-ichiroh Sakashita, Satoshi Hirosawa, Masaki Nakamura, Masatoshi Kakimoto, Takeshi Kawabayashi, Hedeki Araki, Masataka Mizuno, Yasuharu Shirai, Abrupt changes in microstructure and their impact on coercivity in the hydrogenation-disproportionation-desorption-recombination (HDDR) process of NdFeB alloys detected by positron lifetime spectroscopy and microstructural analysis, Proceedings of 20th International Workshop on Rare earth Permanent Magnet and Their Applications, 77-79, 2008
2. Takeshi Nishiuchi, Shin-ichiroh Sakashita, Satoshi Hirosawa, Masaki Nakamura, Masatoshi Kakimoto, Takeshi Kawabayashi, Hedeki Araki, Masataka Mizuno, Yasuharu Shirai, Development of Microstructure during Desorption-recombination (DR) Stages in Hydrogenation- disproportionation-desorption-recombination (HDDR) Process of Nd-Fe-B-based Alloys, Proceedings of 20th International Workshop on Rare earth Permanent Magnet and Their Applications, 381-383, 2008

受賞

1. 西内武司, 中村昌樹, 柿本雅淳, 河林 毅, 水野正隆, 荒木秀樹, 白井泰治, Best Poster Prize, for the symposium Functional Materials (section: Magnets), 2008 年 9 月 17 日