

## 2008 年度業績 — 永瀬 丈嗣

### 学術論文・解説記事

1. T. Nagase, K. Kinoshita, Y. Umakoshi, Preparation of Zr-based Metallic Glass Wires for Biomaterials by Arc-Melting Type Melt-Extraction Method, *Materials Transactions*, 49(6), 1385-1394, 2008
2. W. Qin, T. Nagase, Y. Umakoshi, J.A. Szpunar, Electron irradiation-induced nanocrystallization of amorphous Fe<sub>85</sub>B<sub>15</sub> alloy: Evidence for athermal nature, *Acta Materialia*, 57(2), 1300-1307, 2008
3. T. Nagase, K. Kinoshita, T. Nakano, Y. Umakoshi, Fabrication of Ti-Zr binary metallic wire by arc-melt-type melt-extraction method, *Materials Transactions*, in press
4. T. Nagase, T. Hosokawa, K. Takizawa, Y. Umakoshi, Electron-irradiation-induced nano-crystallization in quasicrystal-forming Zr-based metallic glass, *Intermetallics*, in press
5. T. Nagase, K. Takizawa, M. Nakamura, H. Mori, and Y. Umakoshi, Amorphization and Subsequent Crystallization in Zr<sub>66.7</sub>Ni<sub>33.3</sub> Alloy under MeV Electron Irradiation, *J. of Phys.: Conf. Series, Proc. of ICASFMD2008*, in press
6. 永瀬丈嗣, 金属材料における電子線照射誘起相転移, *まてりあ*, 47 (6), 519-523, 2008
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2. Y. Umakoshi, T. Nagase and T. Hosokawa, Phase stability of crystalline and amorphous phases and formation of nanostructure in Zr-Pd and Zr-Pt alloys under electron irradiation, *Proc. of MRS 2008 Fall Meeting*, 1048, Z08-03-01 - Z085-03-06, 2008
3. T. Nagase, K. Takizawa, A. Nino, and Y. Umakoshi, Electron Irradiation Induced Crystal-to-amorphous-to-crystal (C-A-C) Transition in Intermetallic Compounds, *Proc. of MRS 2009 Fall Meeting*, in press

### 受賞

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3. 永瀬丈嗣, (財)矢崎科学技術振興記念財団 2008 年度研究助成金 ((財)矢崎科学技術振興記念財団), 2009.3.12