

## 2010 年度業績 — 永瀬 丈嗣

### 学術論文・解説記事

1. T. Nagase, T. Hosokawa, Y. Umakoshi, Temperature dependence of MeV-electron-irradiation-induced nanocrystallization in Zr-Pt metallic glass, *Intermetallics*, 18, 767-772, 2010
2. 永瀬丈嗣, 中野貴由, 馬越佑吉, 新家光雄, 良好な曲げ延性を有するベータチタンタイプ Ti-Nb-Ta-Zr(TNTZ)溶融抽出紡糸ワイヤーの構造と機械的性質, *日本金属学会誌*, 74, 515-519, 2010
3. T. Nagase, Y. Umakoshi, Formation of macroscopic phase-separated dual-layer melt-spun ribbon from Co-Si-B-Cu alloy, *Journal of alloys and compounds*, 505, L43-L46, 2010
4. T. Nagase, Y. Umakoshi, Formation of dual-layer melt-spun ribbon through liquid phase separation, *Intermetallics*, 18, 2136-2144, 2010
5. T. Nagase, A. Yokoyama, Y. Umakoshi, In-situ TEM observation of glass-to-liquid transition of metallic glass in Fe-Zr-B-Cu alloy, *Scripta Materialia*, 63, 1020-1023, 2010
6. T. Nagase, A. Yokoyama, Y. Umakoshi, Formation of Macroscopically Phase Separated Cu-colored Melt-spun Ribbon in  $(\text{Fe}_{0.5}\text{Cu}_{0.5})_{100-x}\text{B}_x$  ( $x = 0, 5, 10, \text{ and } 20$ ) Alloys, *Journal of alloys and compounds*, 509, 1178-1186, 2011
7. T. Nagase, K. Takizawa, Y. Umakoshi, Electron-irradiation-induced solid-state amorphization in supersaturated Ni-Zr solid solutions, *Intermetallics*, 19, 511-517, 2011

### 著書

1. 永瀬丈嗣(分担執筆), *レアメタル便覧*, 丸善, 2011, 463-473

### 受賞

1. 永瀬丈嗣, 日本材料学会 金属ガラス部門委員会 優秀研究発表賞, 2010年6月4日