

2008 — KAKESHITA Tomoyuki

Scientific Papers/Commentary Articles

1. S. Farjami, M. Yasui, T. Fukuda and T. Kakeshita, Selected formation of a variant in L10-type CoPt realized by ordering heat treatment under a magnetic field, *Scripta Materialia*, 58, 811-814, 2008
2. T. Yamamoto, M-S. Choi, S. Majima, T. Fukuda and T. Kakeshita, Origin of diffuse scattering in iron-doped Ti-Ni shape memory alloys, *The European Physical Journal Special Topics*, 158, 1-5, 2008
3. T. Kakeshita and T. Fukuda, Recent topics in microstructure control by magnetic field in Ni₂MnGa and CoPt and new transformation behavior in Ti-Ni-Fe alloys, *The European Physical Journal Special Topics*, 158, 73-78, 2008
4. H. Kushida, K. Fukuda, T. Terai, T. Fukuda, T. Kakeshita, T. Ohba, T. Osakabe, K. Kakurai and K. Kato, Crystal structure of martensite and intermediate phases in Ni₂MnGa studied by neutron diffraction, *The European Physical Journal Special Topics*, 158, 87-92, 2008
5. T. Kakeshita, J.-H. Kim and T. Fukuda, Microstructure and transformation temperature in alloys with a large magnetocrystalline anisotropy under external fields, *Materials Science and Engineering A*, 481-482, 40-48, 2008
6. T. Fukuda, M-S. Choi, T. Kakeshita and T. Ohba, Inelastic neutron scattering of a Ti-44Ni-6Fe alloy exhibiting an incommensurate-commensurate transition, *Materials Science and Engineering A*, 481-482, 235-238, 2008
7. T. Yamamoto, T. Fukuda and T. Kakeshita, Electronic structure of B2-type Ti-(50-x)Ni-xFe and Ti-(50-x)Pd-xFe alloys exhibiting incommensurate diffuse scattering, *Materials Science and Engineering A*, 481-482, 239-242, 2008
8. T. Ohba, D. Kitanosono, S. Morito, T. Fukuda, T. Kakeshita, A. Q. R. Baron and S. Tsutsui, Observation of phonon softening in a Ti-Ni-Fe alloy by inelastic X-ray scattering, *Materials Science and Engineering A*, 481-482, 254-257, 2008
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10. T. Murata, T. Terai, T. Fukuda and T. Kakeshita, Structural phase transition in Pr_{0.55}Ca_{0.45}MnO₃ and Nd_{0.5}Sr_{0.5}MnO₃ associated with charge ordering transition, *Materials Science and Engineering A*, 481-482, 555-558, 2008
11. T. Yamamoto, M-S Choi, S. Majima, T. Fukuda, T. Kakeshita, E. Taguchi and H. Mori, Iron content and temperature dependence of diffuse scattering in Ti-(50-x)Ni-xFe alloys,

- Philosophical Magazine, 88, 1027-1035, 2008
12. T. Fukuda and T. Kakeshita, Effect of magnetic field on martensite to intermediate phase transformation in Ni₂MnGa, *Advanced Materials Research*, 52, 199-203, 2008
 13. S. Farjami, T. Fukuda and T. Kakeshita, Effect of Magnetic Field on Microstructure Evolution during Disorder-Order Transformation in an Fe-Pd Alloy, *Materials Transactions*, 49, 1970-1974, 2008
 14. J-H, Lee, T. Fukuda and T. Kakeshita, Time-Temperature-Transformation Diagram of Successive γ - ϵ - α' Martensitic Transformation in SUS304 Stainless Steel, *Materials Transactions*, 49, 1937-1940, 2008
 15. T. Fukuda and T. Kakeshita, Giant magnetic field induced strain in ferromagnetic shape memory alloys and its condition, *Materials Science and Technology*, 24, 890-895, 2008
 16. M-S. Choi, T. Yamamoto, T. Fukuda, T. Kakeshita, E. Taguchi and H. Mori, Difference between the R-phase and the commensurate phase in iron-doped shape memory alloys, *Philosophical Magazine*, 88, 2449-2460, 2008
 17. M. Yasui, T. Terai, T. Kakeshita, M. Matsuda, N. Metoki and H. Nojiri, Neutron diffraction study of magnetic structure in DyCu under magnetic field, *Journal of Applied Physics*, 103, 07B710 1-3, 2008
 18. S. Yamamoto, M. Yonemura, T. Wakita, K. Fukumoto, T. Nakamura, T. Kinoshita, Y. Watanabe, F. Z. Guo, M. Sato, T. Terai and T. Kakeshita, Magnetic-Domain Structure Analysis of Nd-Fe-B Sintered Magnets Using XMCD-PEEM Technique, *Materials Transactions*, 47, 2354-2359, 2008
 19. E. Bonnot, L. Mañosa, A. Planes, D. Soto-Parra, E. Vives, B. Ludwig, C. Strothkaemper, T. Fukuda and T. Kakeshita, Acoustic emission in the fcc-fct martensitic transition of Fe_{68.8}Pd_{31.2}, *Physical Review B*, 78, 184103-1-7, 2008
 20. H. Kushida, K. Hata, T. Fukuda, T. Terai and T. Kakeshita, Equilibrium phase diagram of Ni₂MnGa under [0 0 1] compressive stress, *Scripta Materialia*, 60, 96-99, 2009
 21. H. Kushida, T. Terai, T. Fukuda, T. Kakeshita, T. Osakabe and K. Kakurai, Neutron diffraction study on stress-induced X-phase in Ni₂MnGa, *Scripta Materialia*, 60, 248-250, 2009
 22. T. Fukuda, H. Maeda, M. Yasui and T. Kakeshita, Influence of magnetocrystalline anisotropy on martensitic transformation under magnetic field of single-crystalline Ni₂MnGa, *Scripta Materialia*, 60, 261-263, 2009

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1. Kushida, K. Hata, T. Fukuda, T. Terai and T. Kakeshita, Stress-Temperature Phase Diagram of Single Crystal of Ferromagnetic Shape Memory Alloy Ni₂MnGa, *SMST-2007*, 577-582, 2008
2. M. Todai, K. Wada, M.-S. Choi, T. Fukuda and T. Kakeshita, Instability of B2-Type Structure in Iron

Doped Ti-Pd Shape Memory Alloys, SMST-2007, 667-674, 2008