

2009 — KAKESHITA Tomoyuki

Scientific Papers/Commentary Articles

1. Farjami, S., Fukuda, T., Kakeshita, T., Ordering process and variant selection under magnetic field in L10-type Co-50Pt and Fe-55Pd alloys, *ISIJ International*, 49 (10), pp. 1610-1614, 2009
2. Fukuda, T., Kushida, H., Todai, M., Kakeshita, T., Mori, H, Crystal structure of the martensite phase in the ferromagnetic shape memory compound Ni₂MnGa studied by electron diffraction, *Scripta Materialia*, 61 (5), pp. 473-476, 2009
3. Hu, W., Hayashi, K., Yamamoto, T., Happo, N., Hosokawa, S., Terai, T., Fukuda, T., Kakeshita, T., Xie, H., Xiao, T., Suzuki, M., Phase transition in Ti₅₀ Ni₄₄ Fe₆ studied by x-ray fluorescence holography, *Physical Review B - Condensed Matter and Materials Physics*, 80 (6), art. no. 060202, 2009
4. Kakeshita, T., Terai, T., Fukuda, T., Giant strain associated with microstructure control by magnetic field in Fe-31.2Pd, CoO and Nd_{0.5}Sr_{0.5}MnO₃, *Journal of Magnetism and Magnetic Materials*, 321 (7), pp. 769-772, 2009
5. Lee, J.-H., Fukuda, T., Kakeshita, T., Isothermal martensitic transformation in sensitized SUS304 austenitic stainless steel at cryogenic temperature, *Materials Transactions*, 50 (3), pp. 473-478, 2009
6. Fukuda, T., Maeda, H., Yasui, M., Kakeshita, T., Influence of magnetocrystalline anisotropy on martensitic transformation under magnetic field of single-crystalline Ni₂MnGa, *Scripta Materialia*, 60 (4), pp. 261-263, 2009
7. Kushida, H., Terai, T., Fukuda, T., Kakeshita, T., Osakabe, T., Kakurai, K, Neutron diffraction study on stress-induced X-phase in Ni₂MnGa, *Scripta Materialia*, 60 (4), pp. 248-250, 2009
8. Hu, W., Hayashi, K., Happo, N., Hosokawa, S., Terai, T., Fukuda, T., Kakeshita, T., Xie, H., Xiao, T., Structural analysis of Ti₅₀Ni₄₄Fe₆ single crystal by X-ray fluorescence holography, *Journal of Crystal Growth*, 311 (3), pp. 982-985, 2009
9. Kushida, H., Hata, K., Fukuda, T., Terai, T., Kakeshita, T., Equilibrium phase diagram of Ni₂MnGa under [0 0 1] compressive stress, *Scripta Materialia*, 60 (2), pp. 96-99, 2009
10. Nie, Z.H., Ren, Y., Terai, T., Wang, Y.D., Brown, D.E., Kakeshita, T, Evidence for preferential rearrangements of martensite variants by magnetic field in antiferromagnetic CoO crystal, *Applied Physics Letters*, 95 (5), art. no. 051914, 2009
11. Todai, M., Fukuda, T., Kakeshita, T, Anomalies in physical properties and diffuse scatterings for iron-doped Ti-Pd shape memory alloys, *Journal of Physics: Conference Series*, 165, art. no. 012056, 2009

12. Lee, J.-H., Fukuda, T., Kakeshita, T., Martensitic transformation behaviour in sensitized SUS304 austenitic stainless steel during isothermal holding at low temperature, *Journal of Physics: Conference Series*, 165, art. no. 012057, 2009
13. Kakeshita, T., Fukuda, T., Effects of magnetic field on martensitic transformations, *Journal of Physics: Conference Series*, 165, art. no. 012051, 2009
14. Farjami, S., Fukuda, T., Kakeshita, T., Influence of a magnetic field on microstructure formation in L10-type ferromagnetic intermetallics, *Journal of Physics: Conference Series*, 165, art. no. 012055, 2009
15. Kushida, H., Fukuda, K., Terai, T., Fukuda, T., Kakeshita, T., Ohba, T., Osakabe, T., Kakurai, K., Kato, K., Incommensurate structures of intermediate phase and martensite phase in Ni₂MnGa, *Journal of Physics: Conference Series*, 165, art. no. 012054, 2009
16. Yasui, M., Terai, T., Kakeshita, T., Hagiwara, M., Investigation of a quadrupolar interaction in DyCu by elastic constants measurement, *Journal of Physics: Conference Series*, 165, art. no. 012059, 2009
17. Terai, T., Yasui, M., Yamamoto, M., Kakeshita, T., Rearrangement of crystallographic domains driven by magnetic field in ferromagnetic Ni₂MnGa and antiferromagnetic CoO, *Journal of Physics: Conference Series*, 165, art. no. 012052, 2009
18. Aikawa, Y., Terai, T., Kakeshita, T., Grain size effect on martensitic transformation behavior in Fe-Ni invar alloys, *Journal of Physics: Conference Series*, 165, art. no. 012058, 2009

International Conference Proceedings

1. Todai, M., Fukuda, T., Kakeshita, T., Anomalies in physical properties and diffuse scatterings for iron-doped Ti-Pd shape memory alloys, *Journal of Physics: Conference Series*, 165, art. no. 012056, 2009
2. Lee, J.-H., Fukuda, T., Kakeshita, T., Martensitic transformation behaviour in sensitized SUS304 austenitic stainless steel during isothermal holding at low temperature, *Journal of Physics: Conference Series*, 165, art. no. 012057, 2009
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5. Kushida, H., Fukuda, K., Terai, T., Fukuda, T., Kakeshita, T., Ohba, T., Osakabe, T., Kakurai, K., Kato, K., Incommensurate structures of intermediate phase and martensite phase in Ni₂MnGa, *Journal of Physics: Conference Series*, 165, art. no. 012054, 2009

6. Farjami, S., Fukuda, T., Kakeshita, T., Selective formation of an ordered variant in Fe45Pd55 alloy under magnetic field, Journal of Physics: Conference Series, 156, art. no. 012011, 2009
7. Kakeshita, T., Fukuda, T., Effect of magnetic field on solid-solid phase transformations in iron-based ferromagnetic alloys, Journal of Physics: Conference Series, 156, art. no. 012012, 2009
8. Lee, H., Fukuda, T., Kakeshita, T., Effect of magnetic field on TTT diagram of successive $\gamma \rightarrow \epsilon' \rightarrow \alpha'$ martensitic transformation in SUS304L stainless steel, Journal of Physics: Conference Series, 156, art. no. 012013, 2009
9. Yasui, M., Terai, T., Kakeshita, T., Hagiwara, M., Investigation of a quadrupolar interaction in DyCu by elastic constants measurement, Journal of Physics: Conference Series, 165, art. no. 012059, 2009
10. Terai, T., Yasui, M., Yamamoto, M., Kakeshita, T., Rearrangement of crystallographic domains driven by magnetic field in ferromagnetic Ni2MnGa and antiferromagnetic CoO, Journal of Physics: Conference Series, 165, art. no. 012052, 2009
11. Aikawa, Y., Terai, T., Kakeshita, T., Grain size effect on martensitic transformation behavior in Fe-Ni invar alloys, Journal of Physics: Conference Series, 165, art. No. 012058, 2009