

2010 —YASUDA Hideyuki

Scientific Papers/Commentary Articles

1. M. Tada, M. Yoshiya, H. Yasuda, Effect of Ionic Radius and Resultant Two-Dimensionality of Phonons on Thermal Conductivity in $MxCoO_2$ ($M = Li, Na, K$) by Perturbed Molecular Dynamics, *J. Electron. Mater.*, 39(9), 1439-1445, 2010
2. M. Tada, M. Yoshiya, H. Yasuda, Derivation of Interatomic Potentials from Ab-initio Calculations for Molecular Dynamics Simulations of Na_xCoO_2 , *Trans. Mater. Res. Soc. Jpn*, 35(2), 190-191, 2010
3. M. Tada, M. Yoshiya, H. Yasuda, Numerical Analyses on Realization of Low Thermal Conductivity without Degrading High Electronic Conductivity in $Na_{0.5}CoO_2$, *AMTC Lett.*, 2, 190-191, 2010
4. N. Ueshima, M. Yoshiya, H. Yasuda, Phase Field Calculations of Domain Selection Following Order-Disorder Transition in FePd under External Field, *AMTC Lett.*, 2, 1820-183, 2010
5. Y. Yoshizawa, M. Yoshiya, H. Yasuda, Segregation of Trivalent Impurities and Resultant Ionic Conductivity at $\Sigma 5$ (310)/[001] Symmetric Tilt Grain Boundary of ZrO_2 , *AMTC Lett.*, 2, 22-23, 2010
6. Y. Koashi, M. Yoshiya, M. Tada, Y. Yoshizawa, H. Yasuda, Local Phonon Thermal Conductivity in the Vicinity of $\Sigma 5$ (310)/[001] Symmetric Tilt Grain Boundary in ZrO_2 , *AMTC Lett.*, 2, 20-21, 2010
7. Katsuhiko Nakano, Masato Yoshiya, Takahiro Okabayashi, and Hideyuki Yasuda, Defect complex of trivalent dopant and resultant proton in $BaZrO_3$ by first principles calculations with an aid of force-field calculations, *AMTC Lett.*, 2, 176-177, 2010
8. Nobufumi UESHIMA, Masato YOSHIYA, Hideyuki YASUDA, Numerical Analyses of Effectiveness of Magnetic Field on Variant Selection in FePd by Phase Field Modeling, *ISIJ Int.*, 50(12), 1908-1913, 2010
9. K. Nogita, H. Yasuda, C. M. Gourlay, S. Suenaga, H. Tsukamoto, S. D. McDonald, A. Takeuchi, K. Uesugi and Y. Suzuki, Synchrotron micro-XRF measurements of trace element distributions in BGA type solders and solder joints, *Transactions of The Japan Institute of Electronics Packaging*, 3, 40-46, 2010
10. K. Nogita, H. Yasuda, C. M. Gourlay, S. Suenaga, H. Tsukamoto, S. D. McDonald, A. Takeuchi, K. Uesugi and Y. Suzuki, Trace element distribution in solder joints between Sn-based solders and Cu substrates
11. H. Yasuda, T. Nagira, M. Yoshiya, N. Nakatsuka, A. Sugiyama, K. Uesugi, K. Umetani, Development of X-ray Imaging for Observing Solidification of Carbon Steels, *ISIJ Int.*, 51,

International Conference Proceedings

1. Y. KANZAWA, T. FUKUDA, T.NAGIRA, M. YOSHIYA, H. YASUDA, Influence of convection on dendritic growth in undercooled melt, 4th Asian Workshop on Electromagnetic Processing of Materials, 78-80, 2010
2. Y. KIMURA, N. NAKATSUKA, T.NAGIRA, M. YOSHIYA, H. YASUDA, Criterion of crystallographic alignment of TiB₂ under a magnetic field, 4th Asian Workshop on Electromagnetic Processing of Materials, 130-133, 2010
3. K. Inoue, Y. Minami, N. Nakatsuka, H. Yasuda, M. Yoshiya, T. Nagira, A. Sugiyama, K. Uesugi, K. Umetani, In-situ observation of solidification of Al-Cu alloys under a transverse magnetic field, 4th Asian Workshop on Electromagnetic Processing of Materials, 166-168, 2010
4. Y. Minami, H. Yasuda, N. Nakatsuka, M. Yoshiya, T. Nagira, A. Sugiyama, K. Uesugi, K. Umetani, In-situ observation of dendrite growth in Sn-Bi alloy under a magnetic field, 4th Asian Workshop on Electromagnetic Processing of Materials, 163-165, 2010
5. K. Nogita, H. Yasuda, C. M. Gourlay, S. Suenaga, H. Tsukamoto, S. D. McDonald, A. Takeuchi, K. Uesugi and Y. Suzuki, Trace element distribution in solder joints between Sn-based solders and Cu substrates, Proc. Int. Conf. Electronics Packaging 201, FB1-4, 2010
6. H. Yasuda, T. Nagira, M. Yoshiya, A. Sugiyama, K. Uesugi, K. Umetani, Observation of dendrite growth and related phenomena in steels, Proc. 12th Japan-China Symposium on Science and Technology of Iron and Steel, 143-147, 2010