2009 — YASUDA Hideyuki

Scientific Papers/Commentary Articles

1. Tomoya Nagira, Hideyuki Yasuda, Satoshi Takeshima, Takumi Sakimura, Yoshiharu Waku, Kentarou Uesugi, Chain structure in the unidirectionally solidified Al2O3-YAG-ZrO2 eutectic composite, J. Crystal Growth, 311, 3765-3770, 2009
2. Tomoya Nagira, Hideyuki Yasuda and Masato Yoshiya, Formation and Microstucture of Al2O3-YAG eutectic Ceramics by Phase Transformation from Metastable system to Equilibrium system, Journal of Physics; Conference Series, 165, 012006, 2009
3. H.Yasuda, Y.Yamamoto, N.Nakatsuka, M.Yoshiya, T.Nagira, A.Sugiyama, I.Ohnaka, K.Uesugi, K.Umetani, In-situ observation of solidification phenomena in Al-Cu alloy and Fe-Si-Al alloy, Int. J. Cast Met. Res., 22, 15-21, 2009
4. H. Yasuda, D. Nagamatsu, T. Yoshimoto, T. Nagira, M. Yoshiya, Y. Yokoyama, A. Inoue, Crystal Growth in the Bulk-Metallic-Glass Zr-based Alloys Using the DC + AC Levitation Method, J. Phys.: Conf. Ser., 144, 012056, 2009
5. N.Nakatsuka, H.Yasuda, T.Nagira, M.Yoshiya, Three-Dimensional Alignment of FeSi2 with Orthorhombic Symmetry by an Anisotropic Magnetic Field, J. Phys.: Conf. Ser., 165, 012021, 2009
6. Y.Yokoyama, H. Fredriksson, H.Yasuda, M. Nishijima, A.Inoue, Glassy solidification criterion of Zr50Cu40Al10 alloy, J. Phys.: Conf. Ser., 144, 012044, 2009
7. J.Gao, Y.K.Zhang, T.Fukuda, H.Yasuda, M.Kolbe, J.C.He, Undercooling and Rapid Solidification of Cu84Co16 Alloys Under a Static Magnetic Field, J. Phys.: Conf. Ser., 144, 012117, 2009
8. K. Nogita, H. Yasuda, M. Yoshiya, S. D. McDonald, K. Uesugi, A. Takeuchi and Y. Suzuki, The role of trace element segregation in the eutectic modification of hypoeutectic Al-Si alloys, J. Alloy Compounds, 489, 415-420, 2009
9. Y. Waku, H. Yasuda, High Temperature Characteristics of Unidirectionally Solidified Eutectic Ceramic Composites and Some Potential Applications, Materials Science Forum, 638-642, 997-1002, 2009
10. Y.K. Zhang, J. Gao, H. Yasuda, D.M. Herlach, J.C. He, Does reduced fluid flow alter alpha-Fe content of Nd-Fe-B ingots?, Journal of Alloys and Compounds, 493, L8-L11. 2010
11. H. Yasuda, S. Kato, T. Shinba, T. Nagira, M. Yoshiya, A. Sugiyama, K. Umetani, K. Uesugi, Regular structure formation of hypermonotectic Al-In alloys, Materials Science Forum, 649, 131-136. 2010
12. Y. Koizumi, A. Sugihara, H. Tsuchiya, Y. Minamino, S. Fujimoto, H. Yasuda, M. Yoshiya,

Selective dissolution of nanolamellar Ti-41at%Al alloy single crystals , Acta Mater., 58, 2876-2886. 2010

International Conference Proceedings

1. Tomoya Nagira, Hideyuki Yasuda, Masato Yoshiya and Takeharu Katou, HIGH TEMPERATURE STRENGTH OF THE Al2O3-YAG EUTECTIC COMPOSITE PRODUCED BY USING TRANSFORMATION FROM METASTABLE EUTECTIC TO EQUILIBRIUM EUTECTIC, Proceedings of the 3rd International Conference of Processing Materials for Properties(PMP-Ⅲ), 977-982, 2009
2. H. Yasuda, Y. Yamamoto, N. Nakatsuka, M. Yoshiya, T. Nagira, A. Sugiyama, I. Ohnaka, K. Uesugi, K. Umetani, Observation of the Segregation by using Time-resolved X-ray Imaging, Modeling of Casting, Welding and Advanced Solidification Processes -XII, 245-252. 2009
3. H. Yasuda, N. Nakatsuka, T. Nagira, A. Sugiyama, M.Yoshiya, K.Uesugi, K.Umetani, X-ray imaging study on grain refinement due to dendrite fragmentation, Proc. 6th Electromagnetic Processing of Materials , 257-260. 2009
4. N.Nakatsuka, H.Yasuda, T. Nagira, M. Yoshiya, Crystallographical alignment of FeSi2 particles with orthorhombic symmetry under an oscillating magnetic field, Proc. 6th Electromagnetic Processing of Materials, 749-752. 2009

Symposia

1. The 2nd International Symposium on Cutting Edge of Computer Simulation of Solidification and Casting, Invited speakers: Ingo STEINBACH, ICAMS, Ruhr-University Bochum, Germany / Christoph BECKERMAN, The University of Iowa, USA / John ÅGREN, Royal Institute of Technology (KTH), Sweden
2. International workshop on X-ray imaging of solidification of metallic materials, Invited speakers: R. Matheiesen, Norwegian University of Science and Technology (NTNU), Norway / C.M. Gourlay, Imperial College London, United Kingdom / B. Billia, Aix-Marseille Université & CNRS, IM2NP, UMR, France