

2010 —HIROSE Akio

Scientific Papers/Commentary Articles

1. T. Kimura, N. Ozaki, T. Okuchi, T. Terai, T. Sano, K. Shimizu, T. Sano, M. Koenig, A. Hirose, T. Kakeshita, Y. Sakawa, and R. Kodama, Significant static pressure increase in a precompression cell target for laser-driven advanced dynamic compression experiments, *Phys. Plasmas*, 17, 054502-1-4, 2010
2. T. Kimura, N. Ozaki, T. Okuchi, T. Mashimo, K. Miyanishi, T. Endo, T. Jitsui, A. Hirose, M. Ikoma, T. Kakeshita, Y. Sakawa, T. Sano, T. Sano, K. Shimizu, T. Terai and R. Kodama, Static compression experiments for advanced coupling techniques of laser-driven dynamic compression and precompression target, *Journal of Physics: Conference Series*, 215, 012152-1-4, 2010

International Conference Proceedings

1. Akio Hirose, Hidetaka Umeshita, Yuichi Saito and Tomo Ogura, Effects of Alloying Si and Cu to Al Alloys on Interfacial Reaction and Joint Strength in Dissimilar Metals Joints of Al Alloys to Steel, *Proc. 11th International Aluminium Conference - 'INALCO' 'New Frontiers in Light Metals'*, 513-522, 2010
2. Tomo Ogura, Keisuke Ueda, Yuichi Saito and Akio Hirose, Nano-scale Evaluation of Interfacial Reaction Layers in Aluminum and Steel Dissimilar Metals Joints with Alloying Elements using Nanoindentation Technique, *Proc.12th Inter. Conf. on Aluminum Alloys (ICAA12)*, 956-960, 2010
3. Tomo Ogura, Shoichi Hirosawa, Akio Hirose and Tatsuo Sato, Effects of Microalloying Sn and (Ag+Sn) on Precipitation in the Vicinity of Grain Boundaries in Al-Zn-Mg Alloys, *Proc.12th Inter. Conf. on Aluminum Alloys (ICAA12)*, 1922-1926, 2010
4. Keisuke Ueda, Tomo Ogura, Shumpei Nishiuchi, Kenji Miyamoto, Toshikazu Nanbu and Akio Hirose, The Effect of Zn-based Alloys Coating on Bondability of Resistance Spot Welding of Steel/Aluminum Alloy Dissimilar Joint, *Proc.12th Inter. Conf. on Aluminum Alloys (ICAA12)*, 1774-1779, 2010
5. Taichi Nishida, Tomo Ogura, Mitsuo Fujimoto and Akio Hirose, Microstructure and Mechanical Properties of 5000 System Al Stud Joints with Zn Insert Using Friction Welding, *Proc.12th Inter. Conf. on Aluminum Alloys (ICAA12)*, 972-977, 2010

Awards

1. Naoya.Takeda, Tomo Ogura, Akio Hirose et al., Japan Institute of Electronics Packaging, International Conference on Electronics Packaging 2009 Outstanding Technical Paper Award, 2010.4
2. Keisuke Ueda, Tomo Ogura, Akio Hirose et.al., The 12th Inter. Conf. on Aluminum Alloys (ICAA12), Best Poster Award, 2010.9