

2009 — HIRATA Yoshihori

Scientific Papers/Commentary Articles

1. K.Nomura, K.Morisaki, Y.Hirata, Magnetic control of arc plasma and its modeling, *Welding in the World*, Vol.53No.7/8, 181-187, 2009
2. T.Era, A.Ide, T.Uezono, T.ueyama, Y.Hirata, Controlled bridge transfer (CBT) gas metal arc process for steel sheets joining, *Science and Technology of Welding and Joining*, Vol.14, no.6, 493-499, 2009
3. T.Era, A.Ide, T.Uezono, T.Ueyama, Y.Hirata, Spatter Reduction in GMAW of Stainless Steel Sheets using CBT Process, *Science and Technology of Welding and Joining*, Vol.14, no.8, 708-716, 2009
4. H.Nishiyama, Y.Hirata, J.Nishii, Periodic structures of GeO₂-B₂O₃-SiO₂ glass films fabricated using ultraviolet laser pulses, *J. Physics: Conf. Series*, 165, 012049-1-4, 2009
5. M.Mizoshiri, H.Nishiyama, J.Nishii, Y.Hirata, SiO₂-based microstructures fabricated by femtosecond laser lithography, *J. Physics: Conf. Series*, 165, 012048-1-4, 2009
6. M.Mizoshiri, H.Nishiyama, J.Nishii, Y.Hirata, Three-dimensional SiO₂ surface structures fabricated using femtosecond laser lithography, *Applied Physics A: Materials Science & Processing*, 98, 171-177, 2010
7. H.Nishiyama, J.Nishii, M.Mizoshiri, Y.Hirata, Microlens arrays of high-refractive-index glass fabricated by femtosecond laser lithography, *Applied Surface Science*, 255, 9750-9753, 2009

International Conference Proceedings

1. Y.Hirata, K.Nomura, K.Morisaki, Magnetic Control of TIG arc Plasma, *Trends in Welding Research, Proceedings of 8th International conference*, 721-725, 2009
2. K.Kadota, Y.Hirata, Numerical Model of Conductive Liquid Transfer, *International Institute of Welding*, 212-1146-09, 1/10/ 2009
3. Y.Ogino, Y.Hirata, K.Nomura, Heat Input and Pressure Distribution of TIG Arc on Groove Surface, *International Institute of Welding*, 212-1153-09, 1/6/ 2009

Publications

1. H.Nishiyama, *Lithography (chapter 4: Femtosecond laser nonlinear lithography)*, In-tech. Co. Ltd., 2010, 656