

2011 —UTSUNOMIYA Hiroshi

Scientific Papers/Commentary Articles

1. R. Matsumoto, S. Sawa, H. Utsunomiya, K. Osakada, Prevention of Galling in Forming of Deep Hole with Retreat and Advance Pulse Ram Motion on Servo Press, CIRP Annals - Manufacturing Technology, 60(1), 315-318, 2011
2. T.B. Kim, M. Tane, S. Suzuki, T. Ide, H. Utsunomiya, H. Nakajima, Improvement of Strength of Lotus-type Porous Aluminum through ECAE Process, Materials Science Forum, 695, 263-266, 2011
3. J. Rozwadowska, K. Kida, E.C. Santos, T. Honda, H. Koike, Y. Kashima, K. Kanemasu, R. Matsumoto, Rolling Contact Fatigue of Titanium Alloys Coated by Gas Nitriding Using a Q-Sw Laser, Applied Mechanics and Materials, 83(7), 191-196, 2011
4. T. Sato, H. Utsunomiya, T. Sakai, Effects of Sudden Friction Change on Rolling Characteristics, Steel Research International, 82(Special Edition), 69-73, 2011
5. K. Hara, H. Utsunomiya, T. Sakai, S. Yanagi, Influence of Oxide Scale on Hot Rolling Characteristics of Steel Sheets, Steel Research International, 82(Special Edition), 74-77, 2011
6. R. Matsumoto, T. Chida, H. Utsunomiya, Improvement of Bonding Strength of Bar and Plate in Indentation Plastic Joining with Bar Oscillation Using Servo Press, Steel Research International, 82(Special Edition), 634-638, 2011
7. S.H. Lee, D.J. Yoon, H. Utsunomiya, Microstructure Evolution during Accumulative Roll-Bonding Process of a High Performance Copper Alloy, Advanced Materials Research, 378-379, 597-600, 2012
8. J. Rozwadowska, K. Kida, E.C. Santos, T. Honda, H. Koike, Y. Kashima, R. Matsumoto, Coating of Ti64 Bearings in Air by Using a Q-Sw Laser, Advanced Materials Research, 418-420, 393-397, 2012
9. E.C. Santos, K. Kida, J. Rozwadowska, T. Honda, H. Koike, K. Kanemasu, Y. Kashima, R. Matsumoto, Wear Resistance Improvement of Titanium Bearings by Laser Gas Nitriding, Advanced Materials Research, 418-420, 1629-1634, 2012
10. R. Matsumoto, S. Sawa, H. Utsunomiya, Cold Backward Extrusion of Titanium Billet with Pulsating Lubricant Supply on Servo Press, Key Engineering Materials, 504-506, 381-386, 2012

Invited/Plenary Presentations

1. R. Matsumoto, 6th ICFG Workshop on Process Simulation in Metalforming, 2011.6.27, Padua, Italy, Invited

2. R. Matsumoto, 4th Asian Symposium on Magnesium Alloys, 2011.10.4, Busan, Korea, Invite
3. H. Utsunomiya, (Mokpo University), 2012.1.13, Muan, Korea, Invited

Awards

1. R. Matsumoto, J.-Y. Jeon, S. Sawa, H. Utsunomiya, "Runners-Up of Capstone Design Contest", 2012 International Capstone Design Contest on Renewable Energy Technology, 2012.2.14