

Publications

Books: - Introduction to Advanced Materials, Mashhad, Iran, 2010

- Introduction to Metallography (In Press)

Journal Papers:

- H. Amini Mashhadi, A. Moloodia, M. Golestanipoura and E Z. Karimi, "Recycling of aluminium alloy turning scrap via cold pressing and melting with salt flux", Journal of Materials Processing Technology, Volume 209, Issue 7, 1 April 2009, Pages 3138-3142

- Atefeh Nabavi, Jalil Vahdati Khaki, E Z. Karimi, " A new method for sandwich panel production using combustion synthesis", Metallurgical Engineering Journal, Iran, 2009

- Davood Nakhaie, Pooya Hosseini Benhangi, Fateh Fazeli , Mohammad Mazinani and E

Z. Karimi, "Controlled Forging of a Nb Containing HSLA Steel for Automotive Applications", submitted to Journal of Materials Processing Technology

Conference Papers:

- E.Z.V. Karimi, M. Hashemi, "investigation of banding effect and pearlite coarsening in forgingparts", 1th congress of Steel Industries, Yazd, Iran, October 2005

- M. Farzin, Z. Jamili, S.A. Sajjadi, E.Z.V. Karimi, "Study of casting parameters on hardness and microstructure of high chromium white iron", 9th congress of Metallurgical Engineering Society, Shiraz, Iran, October 2005

- Z. Jamili, M. Farzin, S.A. Sajjadi, E.Z.V. Karimi, The examination of heat treatment factors on hardness and microstructure of high chromium white iron, 9th congress of Metallurgical Engineering Society, Shiraz, Iran, October 2005

- E.Z.V. Karimi, J.V. Khaki, "Comparison of aging kinetics in maraging steels types C300 and T250, Symposium Steel 84, Isfahan, Iran, March 2006

- R.Pouriamanesh, S.A. Sajjadi, E.Z.V. Karimi, "Investigation of heat treatment on microstructure and precipitates evolution of 17- 4PH martensitic stainless steel", 10th congress of Metallurgical Engineering Society, Mashhad, Iran, October 2006

- A. Molavi, S. Mousavi, J. Vahdati, E.Z.V. Karimi, " Fabrication of porous aluminum through full mold casting" , 10th congress of Metallurgical Engineering Society, Mashhad, Iran, October 2006

- A. Zabett, R. Irankhah, M.Miri, E Z. Karimi, M. Hashemi, " Fatigue life of forged, hardened steel with and without normalizing", 2nd Jordanian International Conference of Materials Science and Engineering, 2007

- E. Harati, H. Mohammadi, F. Fazeli, E Z. Karimi, " The effect of primary austenite and cooling rate on micro alloy steel grade 30MSV6", 13th congress of Metallurgical Engineering Society, Kerman, Iran, 2009

- V. Dehnavi, M. Makarem, E Z. Karimi, " A new approach towards characterization of porosity in sintered steels", Materials Science and technology conference, Pennsylvania, USA, 2009

- H. Tavassoli, N. Toloue, J. Vahdati, M. Beihaghi, E Z. Karimi, " Controlling the amount and distribution of composition gradient in FGMs by centrifuging of solid particles", 14th congress of Metallurgical Engineering Society, Tehran, Iran, 2010

Patents :

- J. Vahdati, A. Nabavi, E Z. Karimi, "Production of sandwich panel including porous interlayer through powder metallurgy along with lost materials", Tehran, Iran, 2006