

Selected Resources: Joining of Magnesium Alloys

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The following are selected articles on joining of magnesium alloys.

PAPER TITLE	AUTHOR(S)	SOURCE	LINK
Mechanical Properties on the Friction Stir Processed Cast Mg-1at.%Zn-2at.%Y Alloy	<i>Sung Wook Chung, T. Morishige, L. F. Chiang, Y. Takigawa, Masato Tsujikawa, S. Oki, and K. Higashi</i>	Magnesium Technology 2007, TMS, pp. 299-304.	Acquire the Article
Mirco-Alloying of Magnesium Wrought Alloys for Improved Electro-Magnetic Joining of Extruded Hollow Profiles	<i>M. Bosse, F.-W. Bach, and M. Schaper</i>	Magnesium Technology 2006, TMS, pp. 265.	Acquire the Article
Friction Stir Spot Welding of Mg-Alloys for Automotive Applications	<i>A. Gerlich, P. Su, and T.H. North</i>	Magnesium Technology 2005, TMS, pp. 383.	Acquire the Article
The Effect of Process Parameters and Tool Geometry on Thermal Field Development and Weld Formation in Friction Stir Welding of the Alloys AZ31 and AZ61	<i>R. Zettler, A.C. Blanco, J.F. dos Santos, and S. Marya</i>	Magnesium Technology 2005, TMS, pp. 409.	Acquire the Article
Nd:YAG Laser Welding of Magnesium Alloy Castings	<i>X. Cao, M. Xiao, M. Jahazi, and Y.L. Lin</i>	Magnesium Technology 2005, TMS, pp. 441.	Acquire the Article
Friction Stir Welding of Magnesium AM60 Alloy	<i>N. Li, T.-Y. Pan, R.P. Cooper, D.Q. Houston, Z. Feng and M.L. Santella</i>	Magnesium Technology 2004, TMS, pp. 19-23.	Read the Full Paper
Friction Stir Welding of Magnesium Die Castings	<i>J.I. Skar, H. Gjestland, L.D. Oosterkamp and D.L. Albright</i>	Magnesium Technology 2004, TMS, pp. 25-30.	Read the Full Paper
Fundamental Studies of the Friction Stir-Welding of Magnesium Alloys to 6061-T6 Aluminum	<i>A.C. Somasekharan and L.E. Murr</i>	Magnesium Technology 2004, TMS, pp. 31-36.	Read the Full Paper
Magnesium-Lithium Alloy Weldability: A Microstructural Characterization	<i>G. Atkins, M. Marya, D. Olson and D. Eliezer</i>	Magnesium Technology 2004, TMS, pp. 37-41.	Read the Full Paper
Laser Welding of AM60 Magnesium Alloy	<i>A.K. Dasgupta and J. Mazumder</i>	Magnesium Technology 2004, TMS, pp. 43-48.	Read the Full Paper
Friction Stir Welding of Magnesium Alloys	<i>R. Johnson and P.L. Threadgill</i>	Magnesium Technology 2003, TMS. pp. 147-152	Read the Full Paper
Laser Welding of Magnesium Alloys	<i>K.G. Watkins</i>	Magnesium Technology 2003, TMS. pp. 153-156.	Read the Full Paper
Welding and Weldability of AZ31B by Gas Tungsten Arc and Laser Beam Welding Processes	<i>S. Lathabai, K.J. Barton, D. Harris, P.G. Lloyd, D.M. Viano and A. McLean</i>	Magnesium Technology 2003, TMS. pp. 157-162.	Read the Full Paper
Application of Welding Technologies for Joining of Mg Alloys: Microstructure and Mechanical Properties	<i>A. Stern, A. Munitz and G. Kohn</i>	Magnesium Technology 2003, TMS. pp. 163-170.	Read the Full Paper

Joining Of Light Hybrid Constructions Made Of Magnesium And Aluminum Alloys

A. Ben-Artzy, A. Munitz, G. Kohn, B. Bronfin and A. Shtechman

Magnesium Technology 2002, TMS. pp. 295-302. [Read the Full Paper](#)

Resistance Spot Welding Of Mg-Am50 And Mg-Az91d Alloys

A. Munitz, G. Kohn and C. Cotler

Magnesium Technology 2002, TMS. pp. 303-307. [Read the Full Paper](#)

Microstructure And Mechanical Properties Of Friction Stir Welded Az31 Mg Alloy

W-B. Lee, Y-M. Yeon, S.K. Kim, Y-J. Kim and S.B. Jung

Magnesium Technology 2002, TMS. pp. 309-312. [Read the Full Paper](#)

Structure and Mechanical Properties of Friction Stir Weld Joints of Magnesium Alloy AZ31

T. Nagasawa, M. Otsuka, T. Yokota, and T. Ueki

Magnesium Technology 2000, TMS. pp. 383-387. [Read the Full Paper](#)