

Accepted Manuscript

Title: Fabrication of large-bulk ultrafine grained 6061 aluminum alloy by rolling and low-heat-input friction stir welding

Authors: C.Y. Liu, B. Qu, P. Xue, Z.Y. Ma, K. Luo, M.Z. Ma, R.P. Liu

PII: S1005-0302(17)30061-0
DOI: <http://dx.doi.org/doi:10.1016/j.jmst.2017.02.008>
Reference: JMST 931

To appear in:

Received date: 11-9-2016
Revised date: 10-1-2017
Accepted date: 10-1-2017

Please cite this article as: C.Y.Liu, B.Qu, P.Xue, Z.Y.Ma, K.Luo, M.Z.Ma, R.P.Liu, Fabrication of large-bulk ultrafine grained 6061 aluminum alloy by rolling and low-heat-input friction stir welding, <http://dx.doi.org/10.1016/j.jmst.2017.02.008>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Fabrication of large-bulk ultrafine grained 6061 aluminum alloy by rolling and low-heat-input friction stir welding

C.Y. Liu ^{a,b}, B. Qu ^b, P. Xue ^a, Z.Y. Ma ^{a*}, K. Luo ^c, M.Z. Ma ^d, R.P. Liu ^d

^a Shenyang National Laboratory for Materials Science, Institute of Metal Research, Chinese Academy of Sciences, Shenyang 110016, China

^b Key Laboratory of New Processing Technology for Nonferrous Metal & Materials, Ministry of Education, Guilin University of Technology, Guilin 541004, China

^c Guangxi Key Laboratory of Universities for Clean Metallurgy and Comprehensive Utilization of Nonferrous Metal Resources, Guilin University of Technology, Guilin 541004, China

^d State Key Laboratory of Metastable Materials Science and Technology, Yanshan University, Qinhuangdao 066004, China

* Corresponding author. Tel./fax: +86 24 83978908.

E-mail address: zyma@imr.ac.cn (Z.Y. Ma).

[Received 11 September 2016, received in revised form 10 January 2017, accepted 10 January 2017]

Download English Version:

<https://daneshyari.com/en/article/7952097>

Download Persian Version:

<https://daneshyari.com/article/7952097>

[Daneshyari.com](https://daneshyari.com)