### Author's Accepted Manuscript

Strain-rate Effect on Work-hardening Behavior in  $\beta$ -type Ti-10Mo-1Fe Alloy with TWIP Effect

Xin Ji, Satoshi Emura, Xiaohua Min, Koichi Tsuchiya



www.elsevier.com/locate/msea

PII: S0921-5093(17)31216-9

DOI: http://dx.doi.org/10.1016/j.msea.2017.09.055

Reference: MSA35522

To appear in: Materials Science & Engineering A

Received date: 29 July 2017

Revised date: 12 September 2017 Accepted date: 14 September 2017

Cite this article as: Xin Ji, Satoshi Emura, Xiaohua Min and Koichi Tsuchiya, Strain-rate Effect on Work-hardening Behavior in β-type Ti-10Mo-1Fe Alloy with TWIP Effect, *Materials Science & Engineering A*, http://dx.doi.org/10.1016/j.msea.2017.09.055

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 galley proof before it is published in its final citable 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.

### **ACCEPTED MANUSCRIPT**

# Strain-rate Effect on Work-hardening Behavior in $\beta$ -type Ti-10Mo-1Fe Alloy with TWIP Effect

Xin Ji<sup>a,b,</sup> \*, Satoshi Emura<sup>b</sup>, Xiaohua Min<sup>c</sup>, Koichi Tsuchiya<sup>a,b,</sup> \*\*

<sup>a</sup>Graduate School of Pure and Applied Sciences, University of Tsukuba, 1-1-1

Tennodai, Tsukuba, Ibaraki 305-8577, Japan

<sup>b</sup>Research Center for Structural Materials, National Institute for Materials Science, 1-

2-1 Sengen, Tsukuba, Ibaraki 305-0047, Japan

<sup>c</sup>School of Materials Science and Engineering, Dalian University of Technology,
Dalian 116024, China

\*Corresponding author

Xin Ji

Research Center for Structural Materials, National Institute for Materials Science, 1-

2-1 Sengen, Tsukuba, Ibaraki 305-0047, Japan

Tel: +81 29 859 2000; Fax: +81 29 859 2101

E-mail: JI.Xin@nims.go.jp

\*\*Corresponding author

Koichi Tsuchiya

Research Center for Structural Materials, National Institute for Materials Science, 1-

2-1 Sengen, Tsukuba, Ibaraki 305-0047, Japan

Tel: +81 29 859 2000; Fax: +81 29 859 2101

E-mail: KSUCHIYA.Koichi@nims.go.jp

#### Download English Version:

## https://daneshyari.com/en/article/5455280

Download Persian Version:

https://daneshyari.com/article/5455280

<u>Daneshyari.com</u>