### **Accepted Manuscript**

Size effect and strain induced double twin by nanoindentation in DSS weld metal of vibration-assisted GTAW



Chun-Hway Hsueh, Min-Jen Liao, Shing-Hao Wang, Yu-Ting Tsai, Jer-Ren Yang, Woei-Shyan Lee

PII: S0254-0584(18)30647-3

DOI: 10.1016/j.matchemphys.2018.07.055

Reference: MAC 20841

To appear in: Materials Chemistry and Physics

Received Date: 18 November 2017

Accepted Date: 27 July 2018

Please cite this article as: Chun-Hway Hsueh, Min-Jen Liao, Shing-Hao Wang, Yu-Ting Tsai, Jer-Ren Yang, Woei-Shyan Lee, Size effect and strain induced double twin by nanoindentation in DSS weld metal of vibration-assisted GTAW, *Materials Chemistry and Physics* (2018), doi: 10.1016/j. matchemphys.2018.07.055

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 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.

### **ACCEPTED MANUSCRIPT**

# Size effect and strain induced double twin by nanoindentation in DSS weld metal of vibration-assisted GTAW

Chun-Hway Hsueh<sup>2</sup>, Min-Jen Liao<sup>1</sup>, Shing-Hao Wang<sup>1\*</sup>, Yu-Ting Tsai<sup>2</sup>, Jer-Ren Yang<sup>2\*</sup>, Rudder Wu<sup>3</sup>, Woei-Shyan Lee<sup>4</sup>

- <sup>1</sup> Department of Mechanical Engineering, National Taiwan Ocean University, Keelung 20224, Taiwan
- <sup>2</sup> Department of Materials Science and Engineering, National Taiwan University, Taipei 10617, Taiwan
- <sup>3</sup> National Institute for Materials Science, Tsukuba, Ibaraki 305-0044, Japan
- <sup>4</sup> Department of Mechanical Engineering, National Cheng Kung University, Tainan 70101, Taiwan

\*Corresponding Author (SH Wang)

Email: <a href="mailto:shwang@email.ntou.edu.tw">shwang@email.ntou.edu.tw</a>

\*Corresponding Author (JR Yang)

Email: jryang@ntu.edu.tw

#### Download English Version:

## https://daneshyari.com/en/article/7921135

Download Persian Version:

https://daneshyari.com/article/7921135

<u>Daneshyari.com</u>