Publication List of Jacob Chih-Ching Huang 黃志青
(NSC 302 表)

(A) Refereed Journal papers (corresponding author*)
55. S. C. Chen and J. C. Huang*, "Influence of Welding Parameters on Microstructures and
72. H. K. Lin and J. C. Huang*, “Fabrication of High Strain Rate and Low Temperature


121. C. I. Chang, Y. N. Wang, H. R. Pei, C. J. Lee, and J. C. Huang*, “On the Hardening of Friction Stir Processed Mg-AZ31 Based Composites with 5-20% Nano-ZrO2 and


1335-1338.


198. Z. W. Hsiao, C. C. Fu, P. H. Tsai, J. S. C. Jang, S. R. Jian, and J. C. Huang, “Effect of Nano-Crystallization on the Mechanical properties of the (Zr$_{53}$Cu$_{30}$Ni$_{9}$Al$_{8}$)$_{99.5}$Si$_{0.5}$ Bulk Metallic Glass”, Materials Science Forum, vols. 638-642, 2010, pp 2933-2937.


222. H. S. Chou, J. C. Huang*, and L. W. Chang, “Mechanical Properties of Zr-Cu-Ti Thin Film Metallic Glass with High Solubility of Immiscible Tantalum and Nanolaminate


243. H. S. Chou, M. C. Liu, S. Y. Kuan, and J. C. Huang*, “Mechanical behavior of Zr-based...


282. Y. T. Lin, Y. L. Chung, Z. K. Wang, and J. C. Huang, “AgMgAl thin film metallic glasses for electric contact applications”, conditionally accepted by Intermetallics, 2014.
286. Chi Cun Kuo, I Chieh Chen, Chih Cheng Shih, Kuan Chang Chang, Chao Hsien Huang,


of Al-4.11Zn-1.77Mg Alloy”, J. of Metals (JOM), vol. 71(1), 2019, pp. 373-381.

(B) Conference Papers
(i) International Conference Papers


16. T. D. Wang and J. C. Huang, "Thermomechanical Treatment in Processing High Strain Rate Superplastic 6061 Al with 1% SiO₂ nano-Particles", THERMEC '2000, Las Vegas,
25.


Laser Precision Microfabrication, Takamatsu, Kagawa, Japan, June 7-10, 2011.


85. T. Y. Wu¹, J. B. Li², J. C. Huang*, “Mechanical response of nanoporous pure Ag”, submitted to International Conference on Machining, Materials and Mechanical Technology, Taipei, August, 2014.

(ii) Local Conference Papers


12. L. Wei and J. C. Huang, "Fracture Toughness Studies in Aluminum Base Composites", 


53. R. Y. Huang, S. C. Chen, and J. C. Huang, "High Energy Beam Welding Characteristics in


118. K. F. Chang, Chi Y. A. Tsao, J. C. Huang, and J. S. C. Jang, “Spray Forming of Mg-Cu-Gd


(iii) Workshop Papers


7. J. C. Huang, “Recent Achievement in Developing Low Temperature and High Strain Rate Superplastic Materials”, Workshop of 30th anniversary of Tsinghua University-a Joint Materials Workshop between Tsinghua University in Taiwan and Mainland China, Hsinchu, 2002, p. 106.
13. C. J. Lee and J. C. Huang, “High Strain Rate Superplasticity in Mg Based Composites Fabricated by Friction Stir Processing”, 2nd Magnesium Workshop, Taipei, 2006, p. 79.
21. J. C. Huang, J. S. C. Jang, and K. C. Hsieh, “Ductile Zr and Mg Based Metallic Glasses via Phase Separation and Reduced Size”, 1st Bulk Metallic Glasses Workshop, National Taiwan University of Science and Technology, 2007, p. 29.
Mechanical Properties of Mg58Cu31Nd5Y6 Bulk Metallic Glass within the Supercooled Liquid Temperature Region”, Annual Mg Workshop, Taipei, 2007, p. 29.


(C) Patents


13. J. S. C. Jang, P. H. Tsai, J. B. Li, P. C. Wong, and J. C. Huang, “Amorphous alloys based replaceable minimally invasive surgery devices”, submitted to ROC patent, Invention,

(D) Other Papers and Reports
(i) Other Journal Papers


(ii) Technical Reports

1. J. C. Huang, "Report for Short Summer Interchange Visit: Microstructure Characterization of Aircraft-Used Aluminum Base Alloys", supported by Chung Shan Institute of Science and Technology (collaborated with AIDC, Taichung), 1990.


3. Y. S. Lo and J. C. Huang, "Dynamic and Quasi-Static Deformation of Al-Li/Al2O3 and Ti-6Al-4V/B4C/B Composites", report for research project, supported by National Science Council, Project no. NSC 80-0405-E-110-04, 1991.


13. H. C. Fu and J. C. Huang, "Research on Superplasticity of Ti3Al Intermetallic Compounds", mid-report for research project supported by Metal Industries Development Centre (MIDC), 1994.
14. H. C. Fu and J. C. Huang, "Research on Superplasticity of Ti$_3$Al Intermetallic Compounds", final report for research project supported by Metal Industries Development Centre (MIDC), 1995.


17. B. Y. Lou, C. S. Liauo, and J. C. Huang, "High-Rate Properties of Aluminum Alloys and Aluminum Base Metal Matrix Composites", mid-report for research project supported by Metal Industries Development Centre (MIDC), 1995.

18. B. Y. Lou, C. S. Liauo, and J. C. Huang, "High-Rate Properties of Aluminum Alloys and Aluminum Base Metal Matrix Composites", final report for research project supported by Metal Industries Development Centre (MIDC), 1996.


21. B. Y. Lou and J. C. Huang, "Processing and Characterization of High-Rate Superplasticity in 2024 Aluminum Base Metal Matrix Composites", mid-report for research project supported by Metal Industries Development Centre (MIDC), 1996.

22. B. Y. Lou, Y. F. Huang, J. R. Huang, and J. C. Huang, "Processing and Characterization of High-Rate Superplasticity in 2024 Aluminum Base Metal Matrix Composites", final report for research project supported by Metal Industries Development Center (MIDC), 1997.


25. I. C. Hsiau and J. C. Huang, "Research and Development of High Strain Rate Superplasticity in Aluminum Base Materials, Main Project I", report for research project, supported by National Science Council, Project no. NSC 87-2216-E-110-017, 1998.


27. B. Y. Lou, J. C. Huang, and T. D. Wang, "Fine-Grained Aluminum Alloys and Composites Loaded at Ultrahigh Temperatures near Solidus Point, Main Project II", report for research project, supported by National Science Council, Project no. NSC 88-2216-E-110-007,
1999.
29. I. C. Hsiao and J. C. Huang, "Grain Boundary Properties in Fine-Grained Al Alloys Exhibiting Low Temperature or High Strain Rate Superplasticity, Main Project III", report for research project, supported by National Science Council, Project no. NSC 89-2216-E-110-014, 2000.
40. Y. P. Hung, C. S. Lin, P. J. Hsieh, and J. C. Huang, “Development of Nano Composites
through Advanced Processing Routes, Main Project (2/3)”, report for research project, supported by National Science Council, Project no. NSC 93-2216-E-110-005, 2005.
41. Y. P. Hung, C. S. Lin, P. J. Hsieh, and J. C. Huang, “Using Spray Forming and Extrusion in Fabricating Mg Based Nanocomposites, Subproject II (2/3)”, report for research project, supported by National Science Council, Project no. NSC 93-2216-E-110-006, 2005.


60. C. J. Lee and J. C. Huang, Transparent Conductive Metallic Glass Thin Film Coating, report for ITRI project, 2009.

