

## Publication List of Jacob Chih-Ching Huang 黃志青

(NSC 302 表)

### (A) Refereed Journal papers (corresponding author\*)

1. J. C. Huang, O. Ajaja, and A. J. Ardell, "Irradiation Damage in Proton Irradiated Pd-Cr Alloys", *J. of Metals*, vol. 35 (12), 1983, p. 122.
2. J. C. Huang and A. J. Ardell, "On the Crystal Structure and Stability of the  $T_1$  Precipitates in Aged Al-Li-Cu Alloys", *Mater. Sci. & Tech.*, vol. 3, 1987, pp. 176-188.
3. J. C. Huang and A. J. Ardell, "Strengthening Mechanisms Associated with  $T_1$  Particles in Two Al-Li-Cu Alloys", *J. de Physique*, vol. C3, 1987, pp. 373-383.
4. J. C. Huang and A. J. Ardell, "Precipitate Strengthening of Binary Al-Li Alloys by  $\delta'$  Precipitates", *J. of Metals*, vol. 39 (7), 1987, p. A48.
5. J. C. Huang\*, G. T. Gray, P. S. Follansbee, "Analysis of the Strengthening Mechanisms in Ni and Ni-C Alloys", *J. of Metals*, vol. 39 (10), 1987, p. A6.
6. J. C. Huang\* and G. T. Gray, "Microstructural Characterization of Ag Shock-Loaded at High Pressure", *Scripta Metall.*, vol. 22, 1988, pp. 545-550.
7. J. C. Huang and A. J. Ardell and O. Ajaja, "Precipitation and Irradiation Damage in Proton Irradiated Pd-Cr Alloys", *J. Mater. Sci.*, vol. 23, 1988, pp. 1206-1218.
8. J. C. Huang\* and G. T. Gray, "Substructure Evolution and Deformation Modes in Shock-Loaded Nb", *Mater. Sci. Eng.*, vol. A103, 1988, pp. 241-255.
9. J. C. Huang and A. J. Ardell, "Addition Rules and the Contribution of  $\delta'$  Precipitates to Strengthening of Aged Al-Li-Cu Alloys", *Acta Metall.*, vol. 36, 1988, pp. 2995-3006.
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11. J. C. Huang\* and G. T. Gray, "Substructure Evolution and Mechanism Response of Shock-Loaded Al-Li-Cu Alloys", *J. of Metals*, vol. 40 (7), 1988, p. A31.
12. J. C. Huang and A. J. Ardell, "Precipitation Strengthening of Binary Al-Li Alloys by  $\delta'$  Precipitates", *Mater. Sci. Eng.*, vol. A104, 1988, pp. 149-156.
13. J. C. Huang\* and G. T. Gray, "Influence of Precipitates on Mechanical Response and Substructure Evolution in Shock-Loaded and Quasi-Statically Deformed Al-Li-Cu Alloys", *Metall Trans.*, vol. 20A, 1989, pp. 1065-1075.
14. J. C. Huang\* and G. T. Gray, "Microband Formation in Shock-Loaded and Cold-Rolled Metals", *Acta Metall.*, vol. 37, 1989, pp. 3335-3347.
15. J. C. Huang\* and G. T. Gray, "Serrated Flow and Negative Rate Sensitivity in Al-Li Base Alloys", *Scripta Metall. Mater.*, vol. 24, 1990, pp. 85-90.
16. P. S. Follansbee, J. C. Huang and G. T. Gray, "Low Temperature and High Strain Rate Deformation of Ni and Ni-C Alloys and Analysis of the Constitutive Behavior According to an Internal State Variable Model", *Acta Metall. Mater.*, vol. 38, 1990, pp. 1241-1254.
17. J. C. Huang\*, "Mechanical Response of  $B_4C/B$  Fiber-Reinforced Ti-6Al-4V Composites under Dynamic Shock and Quasi-Static Low-Rate Loading", *Chinese Journal of Materials Science*, vol. 22, 1990, pp. 207-215.
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19. J. C. Huang\*, "On the Crystal Structure of the  $T_1$  Phase in Al-Li-Cu Alloys", *Scripta Metall. et Mater.*, vol. 27, 1992, pp. 755-760.

20. T.-R. Chen and J. C. Huang\*, "The Forming Behavior and Post-Form Properties of Superplastic 8090 Al-Li Thin Sheets", Chinese Journal of Materials Science, vol. 25, no. 1, 1993, pp. 34-49.
21. H.-P. Pu and J. C. Huang\*, "Low Temperature Superplasticity in 8090 Al-Li Alloys", Scripta Metall. Mater., vol. 28, 1993, pp. 1125-1130.
22. J. C. Huang\*, Y.-S. Lo, and G. T. Gray, "Deformation under Shock and Quasi-Static Loadig in Metal-Matrix Composites", Mater. Chem. Phys., vol. 35, no.1, 1993, pp. 71-85.
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24. J. C. Huang\*, Y. D. Shen, and N. J. Ho, "Characterization of the Electron Beam Welding of Superplastic 8090 Al-Li Alloys", Mater. Sci. & Tech., vol. 10, 1994, pp. 647-657.
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26. C. S. Liauo, H. Chang, J. C. Huang\*, and P.-W. Kao, "Microstructural Evolution and Mechanical Properties of AC8A/Al<sub>2</sub>O<sub>3</sub> Short-Fiber Composites Long Exposed at 150-350 °C", Metall. & Mater. Trans., vol. 26A, 1995, pp. 143-158.
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31. H. C. Fu and J. C. Huang\*, "Superplasticity Behavior of Super- $\alpha_2$  Ti<sub>3</sub>Al Intermetallic Compound", Chinese Journal of Materials Science, vol. 28, 1996, pp. 28-43.
32. B. Y. Lou and J. C. Huang\*, "Strain Rate Dependence in 6061 and 2024 Aluminum Alloys and Composites", Mater. Sci. Forum, vol. 217-222, 1996, pp. 1103-1108.
33. J. C. Huang\*, S. C. Chen, M. F. Lee, and Y. D. Shen, "Joining Efficiency Evaluation of Superplastic 8090 Al-Li Thin Sheets Using Electron or Laser Beam Welding", Mater. Sci. Forum, vol. 217-222, 1996, pp. 1697-1702.
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**(B) Conference Papers**

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