

## (一) 論文及著述

### 期刊論文(國際):

1. Sheng-Rui Jian , Jason Shian-Ching Jang, "Berkovich nanoindentation on InP," *J. of Alloys and Compounds*, vol. 482, pp. 498-501, 2009.08  
國際期刊 **SCI, EI**, 多位作者(第二作者), Impact Factor: 1.455, Rank Factor: 6/66  
Subject Categories: Metallurgy and Metallurgical Engineering
2. C.C. Tseng, J.H. Hsieh, S.C. Jang, Y.Y. Chang, W. Wu, "Microstructural analysis and mechanical properties of TaN-Ag nanocomposite thin films," *Thin Solid Films*, vol. 517, pp. 4970-4974, 2009.07  
國際期刊 **SCI**, 多位作者(第二作者), Impact Factor: 1.693, Rank Factor: 3/21  
Subject Categories: Surface coating
3. Sheng-Rui Jian, Guo-Ju Chen, Jason Shian-Ching Jang, Ying-Yen Liao, "Nanomechanical properties of FePtPd ternary alloy thin films," *Thin Solid Film*, vol. 517, pp. 4883-4887, 2009.07  
國際期刊 **SCI**, 多位作者(第三作者), Impact Factor: 1.693, Rank Factor: 3/21  
Subject Categories: Surface coating
4. G. J. Chen, C. Y. Lin, Y. H. Shih, S. R. Jian, J. S. C. Jang, "Carbon additive effects on the nanostructure and magnetic property of the Co-Fe-Zr-B-C films," *Thin Solid Film*, vol. 517, pp. 4994-4997, 2009.07  
國際期刊 **SCI**, 多位作者(第四作者), Impact Factor: 1.693, Rank Factor: 3/21  
Subject Categories: Surface coating
5. C. W. Chu, Jason S. C. Jang, S. M. Chiu, J. P. Chu, "Study of The Characteristics and Corrosion Behavior For The Zr-Based Metallic Glass Thin Film Fabricated by Pulse Magnetron Sputtering Process," *Thin Solid Film*, vol. 517, pp. 4930-4933, 2009.07  
國際期刊 **SCI**, 多位作者(通訊作者), Impact Factor: 1.693, Rank Factor: 3/21  
Subject Categories: Surface coating
6. C.W. Chu, Jason S.C. Jang, H.W. Chen, T.L Chuang, "Enhanced Wear Resistance of The Cr-Based Thin Film Coating on Micro Drill By Doping with W-C-N," *Thin Solid Film*, vol. 517, pp. 5197-5201, 2009.07  
國際期刊 **SCI**, 多位作者(通訊作者), Impact Factor: 1.693, Rank Factor: 3/21  
Subject Categories: Surface coating
7. Kuo-Jung Lee, Mao-Hsiang Hsu, Huy-Zu Cheng , Jason Shian-Ching Jang, "Effect of C<sub>2</sub>H<sub>2</sub>/N<sub>2</sub> Ratio on Tribological and Mechanical Behavior," *Materials Transaction*, vol. 50, no. 6, pp. 1531-1535, 2009.06  
國際期刊 **SCI**, 多位作者(第三作者), Impact Factor: 1.018, Rank Factor: 16/66  
Subject Categories: Metallurgy and Metallurgical Engineering
8. Jason S. C. Jang, S. R. Jian, C. F. Chang, L. J. Chang, Y. C. Huang, T. H. Li, J. C. Huang, C. T. Liu, "Thermal and Mechanical Properties of the Zr<sub>53</sub>Cu<sub>30</sub>Ni<sub>9</sub>Al<sub>8</sub> Based Bulk Metallic Glass Microalloyed with Silicon," *Journal of Alloy and Compounds*, vol. 478, pp. 215-219,

2009.05

國際期刊,多位作者(第一作者), Impact Factor: 1.455, Rank Factor: 6/65

Subject Categories: Metallurgy

NSC95-2221-E-214-015-MY3, NSC96-2218-E-110-001 and

9. X. Du, J. C. Huang, K. C. Hsieh, J. S. C. Jang, P. K. Liaw, "Designing Ductile Zr Based Bulk Metallic Glasses with Phase Separated Microstructure," *Advanced Eng. Mater.*, vol. 11, pp. 387-391, 2009.05  
國際期刊 **SCI, EI**,多位作者(第四作者), Impact Factor: 1.463, Rank Factor: 59/189  
Subject Categories: MATERIALS SCIENCE MULTIDISCIPLINARY  
NSC95-2221-E-214-015-MY3, NSC96-2218-110-001
10. Sheng-Rui Jian, Jason Shian-Ching Jang, Guo-Ju Chen, Hou-Guang Chen, Yuan-Tsung Chen, "Nanoindentation on a-plane ZnO thin films," *J. Alloys and Compounds*, vol. 479, pp. 348-351, 2009.05  
國際期刊 **SCI, EI**,多位作者(第二作者), Impact Factor: 1.455, Rank Factor: 6/65  
Subject Categories: Metallurgy and Metallurgical Engineering
11. H. M Chen, J. C. Huang, S. X. Song, T. G. Nieh, J. S. C. Jang, "Flow serration and shear-band propagation in bulk metallic glasses," *Applied Physics Letter*, vol. 94, pp. 14914-1~3, 2009.04  
國際期刊 **SCI**,多位作者(第三作者), Impact Factor: 3.596, Rank Factor: 9/94  
Subject Categories: Applied Physics  
NSC 95-2221-E-013-MY3
12. X.H. Du, "Phase-separated microstructures and shear-banding behavior in a designed Zr-based glass-forming alloy," *J. of Intermetallics*, vol. 17, pp. 607-613, 2009.04  
國際期刊 **SCI, EI**,多位作者(第四作者), Impact Factor: 2.219, Rank Factor: 3/65  
Subject Categories: Metallurgy and Metallurgical Engineering
13. J. S. C. Jang, C. F. Chang, Y. C. Huang, J. C. Huang, W. J. Chiang, C. T. Liu, "Viscous Flow and Microforming of a Zr-base Bulk Metallic Glass," *J. Intermetallics*, vol. 17, pp. 200-204, 2009.03  
國際期刊 **SCI, EI**,多位作者(通訊作者), Impact Factor: 2.219, Rank Factor: 3/66  
Subject Categories: Metallurgy and Metallurgical Eng.  
(NSC95-2221-214-015-MY3, NSC96-2218-E-110-001, ISU97-07-01, ISU97-07-01-01)
14. H.M. Chen, X.H. Du, J.C. Huang, J.S.C. Jang, T.G. Nieh, "Analysis of plastic strain and deformation mode of a Zr-based bulk metallic glass in compression," *J. of Intermetallics*, vol. 17, pp. 330-335, 2009.03  
國際期刊 **SCI, EI**,多位作者(第三作者), Impact Factor: 2.219, Rank Factor: 3/65  
Subject Categories: Metallurgy and Metallurgical Engineering  
NSC95-2221-214-015-MY3, NSC96-2218-E-110-001
15. C.C. Fu, J.S.C. Jang, I.S. Lee, H.S. Wang, "STRAIN RATE DEPENDENCE ON THE HIGH TEMPERATURE MECHANICAL BEHAVIOR OF THE Ni-18Si-3.0Nb-1.0Cr-0.2B INTERMETALLIC ALLOY," *INTERNATIONAL JOURNAL OF MODERN PHYSICS B*, 23

- (2009) 1040-1046, vol. 23, no. 6,7, pp. 1040-1046, 2009.03  
國際期刊 **SCI**,多位作者(通訊作者), Impact Factor: 0.647, Rank Factor: 77/94  
Subject Categories: Physics, Applied
16. C.C. Fu, J.S.C. Jang, H.C. Tsai, T.H. Li, "EVOLUTION OF MICROSTRUCTURE AND MECHANICAL PROPERTIES OF THE Ni-25Al-27.5Fe-1.0Nb INTERMETALLIC ALLOY AFTER THERMAL MECHANICAL TREATMENT," *INTERNATIONAL JOURNAL OF MODERN PHYSICS B.*, vol. 23, no. 6,7, pp. 1053-1059, 2009.03  
國際期刊 **SCI**,多位作者(通訊作者), Impact Factor: 0.647, Rank Factor: 77/94  
Subject Categories: physics, Applied
17. G.J. Chen, Y.H. Shih, J.S.C.Jang, S.R. Jian, W.C. Chang, J.C.A. Huang, "MAGNETIC PROPERTIES, NANOSTRUCTURE AND ORDERING KINETICS OF FePtCu THIN FILMS," *INTERNATIONAL JOURNAL OF MODERN PHYSICS B*, 23 (2009) 1652-1657., vol. 23, no. 6,7, pp. 1652-1657, 2009.03  
國際期刊 **SCI**,多位作者(第二作者), Impact Factor: 0.647, Rank Factor: 77/94  
Subject Categories: Physics, Applied
18. J. S. C. Jang, S. F. Tsao, L. J. Chang, J. C. Huang, C. T. Liu, "Nanocrystallization of Zr<sub>61</sub>Al<sub>17.5</sub> Cu<sub>17.5</sub>Ni<sub>10</sub>Si<sub>4</sub> Metallic Glass," *J. of Intermetallics*, vol. 17, pp. 56-64, 2009.01  
國際期刊 **EI, SCI**,多位作者(第一作者), Impact Factor: 2.219, Rank Factor: 3/65  
Subject Categories: Metallurgy and Metallurgical Engineering  
NSC95-2221-E-214-015 and NSC95-2218-E-110-006
19. Chung-Ting Wang, Sheng-Rui Jian, Jason Shian-Ching Jang, Yi-Shao Lai, Ping-Feng Yang, "Multiscale simulation of nanoindentation on Ni (100) thin film," *Applied Surface Science*, vol. 255, no. 12, pp. 3240-3250, 2008.12  
國際期刊 **SCI, EI**,多位作者(第三作者), Impact Factor: 1.406, Rank Factor: 6/18  
Subject Categories: MATERIALS SCIENCE, COATINGS & FILMS  
NSC 97-2218-E-214-003
20. Jason Shian-Ching Jang\*, Chin-Tsung Tseng, Liang-Jan Chang, Ya-Ching Yeh, Jin-Long Jou, Jacob Chih-Ching Huang, "Thermoplastic forming properties and microreplication ability of a Magnesium-based bulk metallic glass," *Advanced Engineering Materials*, vol. 10, no. 11, pp. 1048-1052, 2008.11  
國際期刊 **SCI, EI**,多位作者(第一作者), Impact Factor: 1.463, Rank Factor: 59/190  
Subject Categories: MATERIALS SCIENCE MULTIDISCIPLINARY  
NSC95-2221-214-015-MY3, NSC96-2218-E-110-001
21. Y. C. Chang, J. C. Huang, C. W. Tang, C. I. Chang, J. S. C. Jang, "Viscous Flow Behavior and Workability of Mg-Cu-(Ag)-Gd Bulk Metallic Glasses," *Materials Transactions*, vol. 49, pp. 2605-2610, 2008.11  
國際期刊 **SCI, EI**,多位作者(第二作者), Impact Factor: 1.018, Rank Factor: 16/66  
Subject Categories: METALLURGY & METALLURGICAL ENGINEERING  
NSC 95-2221-E-110-014-MY3

22. S. R. Jian, J. S. C. Jang, Y.-S. Lai, P.-F. Yang, C.-S. Yang, H.-C. Wen, C-H. Tsai, "Mechanical properties of InGaN thin films deposited by metal-organic chemical vapor deposition," *Materials Chemistry and Physics*, vol. 109, no. 2-3, pp. 360-364, 2008.06  
國際期刊 **SCI, EI**, 多位作者(第二作者), Impact Factor: 1.657, Rank Factor: 42/190  
Subject Categories: Materials Science, Multidisciplinary  
NSC96-2112-M-214-001
23. C. W. Chu, , Jason S. C. Jang, G. J. Chen, S M. Chiu, "Characteristic Studies on the Zr-Based Metallic Glass Thin Film Fabricated by Magnetron Sputtering Process," *Surface & Coatings Technology*, vol. 202, pp. 5564-5566, 2008.06  
國際期刊 **SCI, EI**, 多位作者(第二作者), Impact Factor: 1.678, Rank Factor: 4/18  
Subject Categories: Materials Science, Coatings & Films
24. Y. H. Lai, C. J. Lee, Y. T. Cheng, H. S. Chou, H. M. Chen, X. H. Du, C. I. Chang, Jacob C. Huang, S. R. Jain, J. S. C. Jang, T. G. Nieh, "Bulk and microscale compressive behavior of a Zr-based metallic glass," *Scripta Materialia*, vol. 58, no. 10, pp. 890-893, 2008.05  
國際期刊 **SCI, EI**, 多位作者(第三作者), Impact Factor: 2.481, Rank Factor: 2/66  
Subject Categories: Metallurgy & Metallurgical Engineering
25. S.X. Song , J.S.C. Jang , T.G. Nieh, "Analyses of shear band emission in a Mg-based bulk metallic glass deformed at different nanoindentation rates," *J. of Intermetallics*, vol. 16, pp. 676-681, 2008.05  
國際期刊 **SCI**, 多位作者(第二作者), Impact Factor: 2.219, Rank Factor: 3/66  
Subject Categories: Metallurgy  
NSC96-2218-E-110-001, NSC95-2221-E-214-015-MY3
26. P. H. Tan, L. C. Yang, P. T. Chiang, J. S. C. Jang, H. C. Chung, C. H. Kuo, "Inflammation-induced up-regulation of ionotropic glutamate receptor expression in human skin," *British Journal of Anaesthesia*, vol. 100, no. 3, pp. 380-384, 2008.03  
國際期刊 **SCI**, 多位作者(第四作者), Impact Factor: 2.679, Rank Factor: 4/22  
Subject Categories: Anesthesiology  
NSC 94-2314-B-214-004
27. K. F. Chang, M. L.T. Guo, R. H. Kong, Chi Y. A. Tsao, J. C. Huang, J.S. C. Jang, "Mg-Cu-Gd layered composite plate synthesized via spray forming process," *Materials Science and Engineering A*, vol. 477, no. 1-2, pp. 58-62, 2008.01  
國際期刊 **SCI**, 多位作者(第六作者), Impact Factor: 1.457, Rank Factor: 60/189  
Subject Categories: Materials Science, Multidisciplinary  
NSC96-2218-E-110-006
28. Kuo-Jung Lee, Shi-Wei Lee, Jason Shian-Ching Jang, Huy-Zu Cheng, "Effect of sol-gel boehmite infiltration on tribological and mechanical behavior of braking lining materials," *Wear*, vol. 264, no. 3-4, pp. 337-348, 2008.01  
國際期刊 **SCI**, 多位作者(第二作者), Impact Factor: 1.395, Rank Factor: 8/107  
Subject Categories: Engineering, Mechanical

29. J. S. C. Jang, J. Y. Ciou, T. H. Hung, J. C. Huang, and X. H. Du, "Enhanced mechanical performance of Mg metallic glass with porous Mo particles," *Applied Physics Letter*, vol. 92, pp. 011930-3, 2008.01  
國際期刊 **SCI**,多位作者(第一作者), Impact Factor: 3.597, Rank Factor: 8/94  
Subject Categories: Physics, Applied  
NSC96-2218-E-110-001, NSC95-2221-E-214-015-MY3
30. G. J. Chen, L. S. Tseng, P. T. Chiang, J. S. C. Jang, Y. H. Shih, Y. L. Chai, "Nanostructure and magnetic properties of polycrystalline FePt<sub>x</sub>Pd<sub>1-x</sub> ternary alloy films," *J. of Surface Coating and Technology*, vol. 202, pp. 937-940, 2007.12  
國際期刊 **SCI**,多位作者(第四作者), Impact Factor: 1.559  
Subject Categories: MATERIALS SCIENCE, COATINGS & FILMS
31. C. C. Fu, C. M. Chung, L. J. Chang, C. F. Chang, and J. S. C. Jang, "Dependence of Strain Rate and Environment on the Mechanical Properties of the Ni-19Si-3Nb-1Cr-0.2B Intermetallic Alloy at High Temperature," *Materials Science Forum*, vol. 561-565, pp. 419-422, 2007.11  
國際期刊 **EI**,多位作者(第一作者)  
NSC93-2745-E-214-001
32. J. S. C. Jang, Y. C. Huang, C. H. Lee, I. S. Lee, and L. J. Chang, "Glass Forming Ability and Thermal Properties of A Cu-based Bulk Metallic Glass microalloyed with Silicon," *Materials Science Forum*, vol. 561-565, pp. 1341-1344, 2007.11  
國際期刊 **EI**,多位作者(第一作者)  
NSC95-2216-E-110-001
33. X. H. Du, J. C. Huang, K. C. Hsieh, Y. H. Lai, H. M. Chen, J. S. C. Jang, P. K. Liaw, "Two-glassy-phase bulk metallic glass with remarkable plasticity," *Applied Physics Letter*, vol. 91, pp. 131901-131903, 2007.09  
國際期刊 **SCI**,多位作者(第六作者), Impact Factor: 3.997  
Subject Categories: Physics, Applied  
NSC96-2218-E-110-006, NSC95-2221-E-214-015-MY3
34. C. C. Fu, J. S. C. Jang, L. J. Chang, T. Y. Lin, C. M. Kuo, "Effect of Strain Rate and Environment on the Mechanical Properties of the Ni-19Si-3Nb-0.15B-0.1C Intermetallic Alloy at High Temperatures," *Journal of Materials Science*, vol. 42, no. 14, pp. 5327-5334, 2007.07  
國際期刊 **SCI**,多位作者(第一作者), Impact Factor: 0.999, Rank Factor: 87/175  
Subject Categories: MATERIALS SCIENCE, MULTIDISCIPLINARY  
NSC93-2745-E-214-001
35. H. M. Chen, Y. C. Chang, T. H. Hung, X. H. Du, J. C. Huang, J. S. C. Jang, and P. K. Liaw, "Compression Behavior of Mg-Cu-Gd Bulk Metallic Glasses with Various Specimen Height to Diameter Ratios," *Materials Transaction JIM*, vol. 48, no. 7, pp. 1802-1805, 2007.07  
國際期刊 **SCI**,多位作者(第三作者), Impact Factor: 0.927, Rank Factor: 21.5%  
NSC94-2216-E-214-002, NSC94-2216-E-110-021

36. T.H. Hung, Y.C. Chang, Y.N. Wang, C.W. Tang, J.N. Kuo, H.M. Chen, Y.L. Tsa, J.C. Huang, J.S.C. Jang, and C.T. Liu, " Development of Mg Based Amorphous Alloys with Higher Amounts of Rare Earth Elements," *Materials Transaction JIM*, vol. 48, no. 7, pp. 1621-1625, 2007.07  
國際期刊 **SCI**,多位作者(第二作者), Impact Factor: 0.927, Rank Factor: 21.5%  
NSC94-2216-E-214-002, NSC94-2216-E-110-021
37. L. J. Chang, G. R. Fang, J. S. C. Jang, I. S. Lee, J. C. Huang, Chi Y.A. Tsao, and J. L. Jou, "Mechanical Properties of the Hot-Pressed Amorphous Mg<sub>65</sub>Cu<sub>20</sub>Y<sub>10</sub>Ag<sub>5</sub> / NanoZrO<sub>2</sub> Composite Alloy," *Materials Transaction JIM*, vol. 48, no. 7, pp. 1797-1801, 2007.07  
國際期刊 **SCI**,多位作者(第一作者), Impact Factor: 0.927, Rank Factor: 21.5%  
NSC94-2216-E-110-021, NSC95-2221-E-214-015-MY3
38. J. S. C. Jang, C. C. Tseng, L. J. Chang, C. F. Chang, W. J. Lee, J. C. Huang and C. T. Liu, "Glass Forming Ability and Thermal Properties of the Mg-Based Amorphous Alloys with Dual Rare Earth Elements Addition," *Materials Transaction JIM*, vol. 48, no. 7, pp. 1684-1688, 2007.07  
國際期刊 **SCI**,多位作者(第一作者), Impact Factor: 0.927, Rank Factor: 21.5%  
NSC94-2216-E-110-021, NSC95-2221-E-214-015-MY3
39. M. L. Ted Guo, Chi Y. A. Tsao, J. C. Huang, and J. S. C. Jang, "Thermal Stability and Mechanical Properties of Spray-Formed and Melt-Spun Al<sub>89</sub>La<sub>6</sub>Ni<sub>5</sub> Metallic Glass Matrix Composites," *Materials Transaction JIM*, vol. 48, no. 7, pp. 1717-1721, 2007.07  
國際期刊 **SCI**,多位作者(第三作者), Impact Factor: 0.927, Rank Factor: 21.5%  
NSC94-2216-E-110-021
40. L.J.Chang, G.R.Fang, J.S.C.Jang, I.S.Lee, J.C.Huang, and Chi Y.A.Tsao, "Hot workability of the Mg<sub>65</sub>Cu<sub>20</sub>Y<sub>10</sub>Ag<sub>5</sub> amorphous/nanoZrO<sub>2</sub> composite alloy within supercooled temperature region," *Key Engineering Materials*, vol. 351, pp. 103-108, 2007.06  
國際期刊 **EI**,多位作者(第一作者)  
NSC94-2216-E-110-021, NSC95-2221-E-214-015-MY3
41. M.L.T.Guo, Chi Y.A. Tsao, J.C.Huang, J.S.C.Jang, "Microstructure Characteristics of Spray-Formed and Melt-spum Al<sub>85</sub>Nd<sub>5</sub>Ni<sub>10</sub> and Al<sub>89</sub>La<sub>6</sub>Ni<sub>5</sub> Bulk Hybrid Composites," *Key Engineering Materials*, vol. 351, pp. 1-6, 2007.06  
國際期刊 **EI**,多位作者(第四作者)
42. J. S. C. Jang, J. C. Fwu, L. J. Chang, G. J. Chen, and C. T. Hsu, "Study on the Solid-Phase Sintering by the Nano-Structured Heavy Tungsten Alloy Powder," *J. of Alloy compounds*, vol. 434-435, pp. 367-370, 2007.05  
國際期刊 **SCI**,多位作者(第一作者), Rank Factor: 12.3%  
NSC94-2623-7-214-001 and NSC94-2218-E-110
43. L. J. Chang, J. S. C. Jang, B. C. Yang, and J. C. Huang, "Crystallization and Thermal Stability of the Mg<sub>65</sub>Cu<sub>25-x</sub>Gd<sub>10</sub>Ag<sub>x</sub> (x=0 ~ 10) Amorphous Alloys," *J. of Alloy compounds*, vol. 434-435, pp. 221-224, 2007.05

- 國際期刊 **SCI**,多位作者(第一作者), Rank Factor: 12.3%  
NSC93-2216-E-214-002, NSC94-2218-E-110-009.
44. P. Y. Lee, C. Lo, and J. S. C. Jang, "Consolidation of mechanically alloyed Mg<sub>49</sub>Y<sub>15</sub>Cu<sub>36</sub> powders by vacuum hot pressing," *J. of Alloys and Compounds*, vol. 434-435, pp. 354-357, 2007.05  
國際期刊 **SCI**,多位作者(第二作者), Rank Factor: 12.3%
45. J. S. C. Jang, I. H. Wang, L. J. Chang, G. J. Chen, T. H. Hong and J. C. Huang, "Crystallization Kinetics and Thermal Stability of the Zr<sub>60</sub>Al<sub>17.5</sub> Cu<sub>17.5</sub>Ni<sub>10</sub>Si<sub>4</sub>B<sub>1</sub> Amorphous Alloy by Isothermal DSC and TEM Observation," *Materials Science and Engineering A*, vol. 449-451, pp. 511-516, 2007.03  
國際期刊 **SCI**,多位作者(第一作者), Rank Factor: 29.1%  
NSC93-2216-E-214-008, NSC94-2218-E-110-009.
46. Y. T. Cheng, T. H. Hung, J. C. Huang, P. J. Hsieh, and J. S. C. Jang, "Thermal Stability and Crystallization Kinetics of Mg-Cu-Y-B Quaternary Alloy," *Materials Science & Engineering A*, vol. A449-451, pp. 501-505, 2007.03  
國際期刊 **SCI**,多位作者(第三作者), Rank Factor: 29.1%  
NSC94-2216-E-214-002, NSC94-2216-E-110-021
47. P.Y.Lee, S.S.Hung, Jason S.C.Jang, and G.S.Chen, "Formation Of Ni<sub>57</sub>Zr<sub>20</sub>Ti<sub>22</sub>Pb<sub>1</sub> Amorphous Powders by Mechanical Alloying," *Materials Science Forum*, vol. 539-543, pp. 2767-2772, 2007.02  
國際期刊 **EI**,多位作者(第二作者)
48. T.H.Hung, J.C.Huang, Jason S.C.Jang, and S.C.Lu, "Improved thermal stability of amorphous ZrAlCuNi alloys with Si and B," *Materials Transaction*, vol. 48, pp. 239-243, 2007.02  
國際期刊 **SCI**,多位作者(第二作者), Impact Factor: 0.927, Rank Factor: 21.5  
Subject Categories: Metallurgy
49. T.H.Hung, Y.C.Chang, H.M.Chen, Y.L.Tsai, J.C.Huang, J.S.C.Jang and T.G.Nieh, "Thermal and Mechanical Properties of Mg-Cu(Ni)-Y(Gd)Amorphous Alloys," *Materials Science Forum*, vol. 539-543, pp. 1926-1931, 2007.02  
國際期刊 **EI**,多位作者(第二作者)
50. L. J. Chang, J. H. Young, B.C. Jiang, J.S.C. Jang, J. C. Huang, Chi Y.A. Tsao, "MECHANICAL PROPERTIES OF THE MG-BASED AMORPHOUS/NANO ZIRCONIA COMPOSITE ALLOY," *Materials Science Fom*, vol. 539-543, pp. 925-930, 2007.01  
國際期刊 **EI**,多位作者(第一作者)  
NSC93-2216-E-214-015 and NSC94-2218-E-110-009
51. L. J. Chang, B. C. Yang, P.T. Chiang, J. S. C. Jang, and J. C. Huang, "Glass Forming and Thermal Properties of the Mg<sub>65</sub>Cu<sub>25</sub>Gd<sub>10-x</sub>Nd<sub>x</sub> (x=0 ~ 10) Amorphous Alloys," *Materials Science Forum*, vol. 539-543, pp. 2106-2110, 2007.01  
國際期刊 **EI**,多位作者(第一作者)  
NSC93-2216-E-214-002 and NSC94-2218-E-110-009

52. K.J. Lee, S.W. Lee, Jason S.C. Jang, "Effect of Vacuum Infiltration Boehmite Gel on Tribological Behavior of Friction," *Materials Science Forum*, vol. 539-543, pp. 1016-1020, 2007.01  
國際期刊 **EI**,多位作者(第三作者)
53. C. C. Fu, L. J. Chang, Y. C. Huang, P.W. Wong, and J. S. C. Jang, "Microstructure and Mechanical Properties of Solid-Phase Sintered Heavy Tungsten Alloy," *Advanced Materials Research*, vol. 15-17, pp. 575-580, 2007.01  
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## (二) 專利

類別	專利名稱	國別	專利號碼	發明人	專利權人	專利期間	國科會計 畫編號
發明	精密模具鑄造用石膏模製程及石膏模	中華民國	發明第六二七三二號	李秉璋梁宗耀 鄭憲清蘇國璋	工業技術研究院	1993/5/21~ 2008/5/21	
新型	夾持器、	中華民國	新型第 M309476 號	符志強、林敏傑、鄭憲清、陳福盛	國防部軍備局生產製造中心第 205 廠	2007/4/11 ~ 2016/9/20	
新型	研磨罐	中華民國	新型第 M311495 號	符志強、劉國璽、黃美文、鄭憲清、張量然	國防部軍備局生產製造中心第 205 廠	2007/05/11~ 2016/10/01	
新型	水冷模	中華民國	新型 M316113 號	符志強、鍾志明、蘇飛丞、鄭憲清	國防部軍備局生產製造中心第 205 廠	2007/08/01~ 2017/01/15	
發明	高韌性鎂基塊狀非晶質複合合金	中華民國	Pending	鄭憲清、邱家宇、張量然、黃志青	義守大學	2008/8	NSC96-2218-E-110-001, NSC95-2221-E-214-015-MY3
發明	High toughness Mg-based bulk metallic glass composite	USA	pending	鄭憲清、邱家宇、張量然、黃志青	義守大學	2008/8	NSC96-2218-E-110-001, NSC95-2221-E-214-015-MY3
發明	採血片	中華民國	pending	鍾卓良、鄭憲清、陳建誠	義守大學	2008/9	
發明	Blood sampler	USA	pending	鍾卓良、鄭憲清、陳建誠	義守大學	2008/9	

### (三)、技術移轉：

1. 採血片製作技術，羅基股份有限公司，技轉金額 100,000 元。

