

李志偉著作目錄(2009-2014)

國際研討會論文

1. **Jyh-Wei Lee**, Jai-Lin Li, Yu-Ting Lin, 2009, "Corrosion properties of chromized tungsten carbide (Invited Talk)", 2009TMS (15-20 February, 2009, San Francisco, CA. USA)
2. L.-S. Liu, Y.-J. Chang, **Jyh-Wei Lee**, H.-P. Chen, 2009, "The Influence of Electrochemical Parameters on the Microstructures and Bactericidal Abilities of Anodized Titanium Dioxide Nanotube Arrays" , 2009 Proceeding of ICMCTF 2009 conference, (April 26- May 1, 2009, San Diego, California, USA)
3. Y.-J. Chang, K.-J. Weng, J.-S. Lu, J.-T. Chen, J.-L. Li, **Jyh-Wei Lee**, 2009, "Rapid Antimicrobial Susceptibility Testing of *Escherichia Coli* and *Staphylococcus Aureus* by Using the Cr-Cu-N Nanocomposite Thin films with Gradient Copper Content, " , 2009 Proceeding of ICMCTF 2009 conference, (April 26- May 1, 2009, San Diego, California, USA)
4. H.-H. Lin, C.-C. Chou, J.-C. Huang, **Jyh-Wei Lee**, Y.-C. Chang, Y.-B. Lin, 2009, "In Situ AFM Investigation on Tribo-Corrosion of CrSiN Film Adherent Tool Steel" , 2009 Proceeding of ICMCTF 2009 conference, (April 26- May 1, 2009, San Diego, California, USA)
5. C.-L. Li, **Jyh-Wei Lee**, L.-C. Chang, 2009, "Characteristics of Cr₂N/Cu Multilayered Thin Films with Different Bilayer Thickness" , 2009 Proceeding of ICMCTF 2009 conference, (April 26- May 1, 2009, San Diego, California, USA)
6. C.-C. Chou, **Jyh-Wei Lee**, H.-H. Y.-I. Lin, Chen, 2009, "Evaluation of Microstructures and Mechanical Properties of HFCVD Diamond-Coated WC-Co Substrates with Hard Chromized Interlayers" , 2009 Proceeding of ICMCTF 2009 conference, (April 26- May 1, 2009, San Diego, California, USA)
7. Y.-B. Lin, **Jyh-Wei Lee**, L.-C. Chang, 2009, "Microstructures and Corrosion Resistance of Pulsed DC Reactive Magnetron Sputtered nanocomposite Zr-Si-N Thin Films" , 2009 Proceeding of ICMCTF 2009 conference, (April 26- May 1, 2009, San Diego, California, USA)
8. J.-L. Li, **Jyh-Wei Lee**, Y.-T. Lin, C.-J. Wong, 2009, "Mechanical Properties Evaluation of Chromized Tungsten Carbide-Cobalt Hardmetals", 2009 Proceeding of ICMCTF 2009 conference, (April 26- May 1, 2009, San Diego, California, USA)
9. P.C. Tsai, H.Y. Jeng, **Jyh-Wei Lee**, W. J. Chen, 2009, "Characterization of Al-containing diamond like carbon films synthesized by cathodic arc plasma evaporation", ISSP2009 (10th International Symposium on Sputtering & Plasma Processes) (8-10 July, 2009, Kanazawa, Japan)

10. C. L. Chang, C. J. Shen, **Jyh-Wei Lee**, 2009, "Effect of substrate bias on the synthesis and properties of nano-composite Cr-Al-Si-N coating by reactive DC unbalanced magnetron sputtering", ISSP2009 (10th International Symposium on Sputtering & Plasma Processes) (8-10 July, 2009, Kanazawa, Japan)
11. **Jyh-Wei Lee**, Zhi-Fan Zeng, Chaur-Jeng Wang, 2009, "The effect of heat treating on the microstructure and mechanical properties of Cr-Cu-N nanocomposite thin films", MFMS 2009 (The 2nd International Conference on Multi-functional Materials and Structures) (9-12 Oct. 2009, Qingdao, China)
12. Ching-Hsing Lin, Chen-Yu Chang, Yu-Jie Chang, **Jyh-Wei Lee**, Mei-Yin Hwa, Yao-Chuan Lee, 2009, "Glass fibers covered with TiO₂ thin films by sol-gel method as a photocatalyst reactor to degradation toluene", MFMS 2009 (The 2nd International Conference on Multi-functional Materials and Structures) (9-12 Oct. 2009, Qingdao, China)
13. Yu-Jie Chang, Ching-Hsing Lin, Chen-Yu Chang, **Jyh-Wei Lee**, 2009, "Deactivation of airborne pathogens by a photocatalytic reactor with TiO₂ coated sieves", TACT2009 International Thin Films Conference (14-16 Dec. 2009, Taipei, Taiwan)
14. Yu-Jie Chang, Chia-Lin Li, **Jyh-Wei Lee**, Fan-Bin Wu, Li-Chun Chang, 2009, "Evaluation of antimicrobial abilities of Cr₂N/Cu multilayered thin films", TACT2009 International Thin Films Conference (14-16 Dec. 2009, Taipei, Taiwan)
15. Yu-Jie Chang, **Jyh-Wei Lee**, Li-Sian Liu, Kuo-Jie Weng, Jen-Ming Kao, Yueh-Chien Lee, 2009, "Influences of the microstructures of anodized TiO₂ nanotube arrays on the mechanical properties and photocatalytic deactivation on E.coli", TACT2009 International Thin Films Conference (14-16 Dec. 2009, Taipei, Taiwan)
16. Hsin-Han Lin, **Jyh-Wei Lee**, Chau-Chang Chou, 2009, "Tribological Properties of Cr-Si-N Nanocomposite Film Adherent Silicon under Various Environments", TACT2009 International Thin Films Conference (14-16 Dec. 2009, Taipei, Taiwan)
17. Pi-Chuen Tsai, **Jyh-Wei Lee**, Iang-Chuen Kuo, Yia-Ling Chou, 2009, "Cyclic Oxidation Performance of Plasma Sprayed Thermal Barrier Coatings with Aluminized, Pt-aluminized High Velocity Oxygen Fuel Sprayed Bond Coatings", TACT2009 International Thin Films Conference (14-16 Dec. 2009, Taipei, Taiwan)
18. Yi-Bin Lin, **Jyh-Wei Lee**, Fan-Bin Wu, Li-Chun Chang, 2009, "The influence of Si contents on the microstructures and corrosion properties of Zr-Si-N thin films",

- TACT2009 International Thin Films Conference (14-16 Dec. 2009, Taipei, Taiwan)
19. Chuan-Yeh Wang, **Jyh-Wei Lee**, Li-Chun Chang, 2009, "Effects of bilayer periods on the microstructures and mechanical properties of CrN/Cr multilayered thin films", TACT2009 International Thin Films Conference (14-16 Dec. 2009, Taipei, Taiwan)
 20. J.-C. Huang, Y.-J. Weng, **Jyh-Wei Lee**, Y.-C. Weng, H.-K. Liu, Y.-C. Liao, H.-S. Chou, 2009, " Evaluation of the Nanofabrication and Corrosion on Copper by In-situ ECAFM", MES2009, International Conference on Manufacturing and Engineering Systems (17-19 Dec. 2009, Yunlin, Taiwan)
 21. H. P. Chen, **Jyh-Wei Lee**, 2010, "Courses modification and evaluation to improve the basic scientific abilities of students taking the micro/nanotechnology program in a technological university", Sixth international conference on Science, Mathematics and Technology Education (January 19-22, 2010, Hualian, Taiwan)
 22. J.-M. Kao, **Jyh-Wei Lee**, L.-C. Chang, 2010, "Microstructures and Mechanical Properties Evaluation of TiAlN/ CrSiN Multilayered Thin Films with Different Bilayer Thickness", 2010 Proceeding of ICMCTF 2010 conference, (April 26- 31, 2010, San Diego, California, USA)
 23. S.-T. Chang, **Jyh-Wei Lee**, C.-H. Chien, J.-J. Chen, S.-S. Ting, L.-C. Chang, C.-J. Wang, 2010, "Characteristics of Pulsed DC Reactive Magnetron Sputtered Nanocomposite Cr-Zr-N and Cr-Zr-Si-N Thin Films", 2010 Proceeding of ICMCTF 2010 conference, (April 26-31, 2010, San Diego, California, USA)
 24. C.-L. Li, H.-M. Lin, **Jyh-Wei Lee**, J.-G. Duh, L.-C. Chang, 2010, "Influences of Annealing on the Microstructures and Mechanical Properties of Cr₂N/Cu Multilayered Thin Films", 2010 Proceeding of ICMCTF 2010 conference, (April 26-31, 2010, San Diego, California, USA)
 25. H.-H. Huang, F.-B. Wu, **Jyh-Wei Lee**, 2010, "Microstructure and Characterization of Ni-Alloy/CrN Nanolayered Coatings with Various Bilayer Periods", 2010 Proceeding of ICMCTF 2010 conference, (April 26-31, 2010, San Diego, California, USA)
 26. **Jyh-Wei Lee**, Y.-B. Lin, L.-C. Chang, F.-B. Wu, 2010, "A Study of High Temperature Oxidation Behaviors of Zr-Si-N Nanocomposite Thin Films at 900°C", 2010 Proceeding of ICMCTF 2010 conference, (April 26-31, 2010, San Diego, California, USA)
 27. M.-H. Tsai, D.-S. Chen, C.-J. Chang, J.-M. Yeh, **Jyh-Wei Lee**, 2010, "Thermal Conductivity and Morphology of Silver-Filled Multi-Walled Carbon Nanotubes and Polyimide Nanocomposite Films", 2010 Proceeding of ICMCTF 2010 conference, (April 26-31, 2010, San Diego, California, USA)

28. C.-C. Chou, **Jyh-Wei Lee**, H.-H. Lin, Y.-I. Chen, Y.-C. Chu, 2010, "Mechanical Properties Evaluation of HFCVD Diamond-Coated WC-Co Substrates With Hard Chromized Interlayers", 2010 Proceeding of ICMCTF 2010 conference, (April 26-31, 2010, San Diego, California, USA)
29. J. C. Huang, C. C. Li, **Jyh-Wei Lee**, Y. C. Liao, 2010, "The study of nano-scratch and nano-machining in different environment on Cr₂N/Cu multilayer thin films", The 5th International Conference on Technological Advances of Thin Films & Coatings (ThinFilms2010), (July 11-14, 2010, Harbin, China)
30. Yu-Chen Chan, Yan-Zuo Tsai, Jenq-Gong Duh, Su-Yueh Tsai, **Jyh-Wei Lee**, 2010, "Texture, microstructure and tribological behavior in multilayered TiAlN/SiN_x coatings", The 5th International Conference on Technological Advances of Thin Films & Coatings (ThinFilms2010), (July 11-14, 2010, Harbin, China)
31. Pi-Chuen Tsai, **Jyh-Wei Lee**, Iang-Chuen Kuo, Yia-Ling Chou, 2010, "Thermal Cyclic Oxidation Behavior of Plasma Sprayed Thermal Barrier Coatings with Aluminized, Pt-aluminized High Velocity Oxygen Fuel Sprayed Bond Coatings", The 5th International Conference on Technological Advances of Thin Films & Coatings (ThinFilms2010), (July 11-14, 2010, Harbin, China)
32. Shih-Tien Chang, **Jyh-Wei Lee**, Chi-Hong Chien, Li-Chun Chang, Chaur-Jeng Wang, 2010 " Corrosion resistance evaluations of pulsed DC reactive magnetron sputtered nanocomposite Cr-Zr-Si-N thin films ", The 5th International Conference on Technological Advances of Thin Films & Coatings (ThinFilms2010), (July 11-14, 2010, Harbin, China)
33. **Jyh-Wei Lee**, Yu-Jie Chang, Guo-Jie Weng, Jih-Ting Chen, Chia-Lin Li, 2010 "A Rapid Antimicrobial testing by using the Cr-Cu-N nanocomposite thin films with gradient copper content", The 14th International Biotechnology Symposium and Exhibition (IBS 2010), (September 14-18, 2010, Rimini, Italy)
34. Ching-Yen Chung, Li-Wei Ho, Jen-Yi Tong, Yueh-Chien Lee, **Jyh-Wei Lee**, Chil-Chyuan Kuo, 2011, "Fabrication parameters study of MgO thin films grown by rf-sputtering", 2011 AVS International Plasma Workshop (March 22-25, 2011, Taipei, Taiwan)
35. M.-K. Wu, **Jyh-Wei Lee**, J.-C. Huang, H.-W. Chen, Y.-C. Chan, J.-G. Duh, 2011, "The Influence of Bilayer Period and Thickness Ratio on the Mechanical and Tribological Properties of CrSiN/TiAlN Multilayer Coatings", 2011 Proceeding of ICMCTF 2011 conference, (May 1-6, 2011, San Diego, California, USA)
36. Y.-C. Chan, H.-W. Chen, R. Wei, J.-G. Duh, **Jyh-Wei Lee**, 2011, "Microstructure, Scratch and Wear Behavior in Thick Ti-Si-C-N and Ti-Al-V-Si-C-N

Nanocomposites", 2011 Proceeding of ICMCTF 2011 conference, (May 1-6, 2011, San Diego, California, USA)

37. C.-H. Cheng, **Jyh-Wei Lee**, J.-C. Huang, H.-W. Chen, Y.-C. Chan, J.-G. Duh, 2011, "Microstructure and Mechanical Properties Evaluation of Pulsed DC Magnetron Sputtered Cr-B and Cr-B-N Films", 2011 Proceeding of ICMCTF 2011 conference, (May 1-6, 2011, San Diego, California, USA)
38. H.-W. Chen, Y.-C. Chan, **Jyh-Wei Lee**, J.-G. Duh, 2011, "Oxidation Resistance of Nanocomposite CrAlSiN under Long-Time Heat Treatment", 2011 Proceeding of ICMCTF 2011 conference, (May 1-6, 2011, San Diego, California, USA)
39. S.-F. Chen, **Jyh-Wei Lee**, S.-H. Huang, C.-J. Wang, T.-E. Hsieh, Y.-C. Chan, H.-W. Chen, J.-G. Duh, J.-W. Chen, 2011, "Mechanical Properties, Tribological and Corrosion Resistance Evaluation of Cathodic Arc Deposited ZrN/CrN Multilayer Coatings", 2011 Proceeding of ICMCTF 2011 conference, (May 1-6, 2011, San Diego, California, USA)
40. **Jyh-Wei Lee**, C.-T. Lin, M.-K. Wu, J.-C. Huang, 2011, "Evaluation of Microstructures and Mechanical Properties of Niobium and Vanadium Carbide Coated H11 Tool Steels", 2011 Proceeding of ICMCTF 2011 conference, (May 1-6, 2011, San Diego, California, USA)
41. P.-C. Huang, **Jyh-Wei Lee**, H.-P. Chen, Y.-C. Chan, H.-W. Chen, J.-G. Duh, 2011, "A Study on the Microstructures and Mechanical Properties of Ti-Al-Cr-Si-N Nanocomposite Thin Films Prepared by Pulsed DC Reactive Magnetron Sputtering System", 2011 Proceeding of ICMCTF 2011 conference, (May 1-6, 2011, San Diego, California, USA)
42. Jinn P. Chu, Chia-Lin Li, **Jyh-Wei Lee**, 2011, "The effects of sputtering parameters on the mechanical and adhesion properties of Zr-based metallic-glass film deposited by pulsed DC magnetron sputtering", The 8th International Conference on Bulk Metallic Glasses, (May 15-19, 2011, Hong Kong)
43. Y.-C. Chan, H.-W. Chen, J.-G. Duh, **Jyh-Wei Lee**, 2011, "Mechanical tunability in coherent and incoherent TiAlN/SiNx multilayers with various layer periods", The 11th International Symposium on Sputtering & Plasma Processes, (ISSP2011, July 6-8, 2011, Kyoto, Japan)
44. **Jyh-Wei Lee**, C.-H. Cheng, J.-G. Duh, H.-W. Chen, Y.-C. Chan, 2011, "The influence of boron contents on the microstructure and mechanical properties of

- Cr-B-N thin films", The 11th International Symposium on Sputtering & Plasma Processes, (ISSP2011, July 6-8, 2011, Kyoto, Japan)
45. Jinn P. Chu, Chia-Lin Li, **Jyh-Wei Lee**, 2011, "The effects of sputtering parameters on the mechanical and adhesion properties of Zr-based metallic-glass film deposited by pulsed DC magnetron sputtering", IUMRS 11th International Conference in Asia (IUMRS-ICA 2011, Sep. 19-22, 2011, Taipei, Taiwan)
 46. Jinn P. Chu, Chia-Lin Li, **Jyh-Wei Lee**, 2011, "The effects of sputtering parameters on the mechanical and adhesion properties of Zr-based metallic-glass film deposited by pulsed DC magnetron sputtering", IUMRS 11th International Conference in Asia (IUMRS-ICA 2011, Sep. 19-22, 2011, Taipei, Taiwan)
 47. **Jyh-Wei Lee**, Cheng Chih-Hong, Hsien-Wei Chen, Yu-Chen Chan, Jenq-Gong Duh, Li-Wei Ho, 2011, "Effects of Boron and Nitrogen Contents on the Microstructures and Mechanical Properties of Cr-B-N Nanocomposite Thin Films", IUMRS 11th International Conference in Asia (IUMRS-ICA 2011, Sep. 19-22, 2011, Taipei, Taiwan)
 48. **Jyh-Wei Lee**, Siao-Fan Chen, Yu-Chu Kuo, Sung-Hsiu Huang, Hsien-Wei Chen, Yu-Chen Chan, Jenq-Gong Duh, Chaur-Jeng Wang, Tsung-Eong Hsieh, "Effects of bilayer periods and thickness ratios on the properties of cathodic arc deposited CrN/ZrN multilayer coatings", The 2nd International Symposium on Hybrid Materials and Processing (HyMaP 2011, Oct. 27-29, Busan, Korea) **Invited Speaker**
 49. Chih-Chung Wu, Yung-Chin Yang, Yu-Chu Kuo, Chaur-Jeng Wang, **Jyh-Wei Lee**, 2011, "Performance of CrN and CrAlSiN coated H13 tool steels in molten A380 aluminum alloy ", TACT2011 International Thin Films Conference (20-23 Nov. 2011, Kenting, Taiwan) (**海報論文第一名**)
 50. Ching-Yen Chung, Yi-Chia Liao, **Jyh-Wei Lee**, Chia-Lin Li, Jinn P. Chu, 2011, "Electrochemical characterization of Zr-based thin film metallic glass in hydrochloric aqueous solution", TACT2011 International Thin Films Conference (20-23 Nov. 2011, Kenting, Taiwan) (**海報論文第一名**)
 51. Cheng-Yi Tong, **Jyh-Wei Lee**, Chil-Chyuan Kuo, Sung-Hsiu Huang, Yu-Chen Chan, Hsien-Wei Chen, Jenq-Gong Duh, 2011, " Effects of carbon content on the microstructures and mechanical properties of cathodic arc evaporation deposited CrCN thin films", TACT2011 International Thin Films Conference (20-23 Nov. 2011, Kenting, Taiwan) (**海報論文第二名**)
 52. Y. C. Chen, J. P. Chu, C. L. Li, J. W. Lee, C. W. Wu, 2011, " Mechanical property evaluation on Zr-based metallic glass thin films: sputtering bias effects", TACT2011 International Thin Films Conference (20-23 Nov. 2011, Kenting, Taiwan) (**海報論文第二名**)

53. Chau-Chang Chou, Yi-Yang Wu, **Jyh-Wei Lee**, Chi-Hsiao Yeh, 2011,"Characterization and Haemocompatibility of Fluorinated DLC and Si Interlayer on Ti6Al4V", TACT2011 International Thin Films Conference (20-23 Nov. 2011, Kenting, Taiwan) (海報論文第三名)
54. Chau-Chang Chou, Yao- Chia Chu, **Jyh-Wei Lee**, 2011," Mechanical and Tribological Properties of CN_x-Coated Cemented WC Substrates with a Si Interlayer", TACT2011 International Thin Films Conference (20-23 Nov. 2011, Kenting, Taiwan)
55. Siao-Fan Chen, Yu-Chu Kuo, Chaur-Jeng Wang, Sung-Hsiu Huang, **Jyh-Wei Lee**, Yu-Chen Chan, Hsien-Wei Chen, Jenq-Gong Duh, Tsung-Eong Hsieh, 2011," The effect of Cr/Zr chemical composition ratios on the mechanical properties of CrN/ZrN multilayered coatings deposited by cathodic arc deposition system", TACT2011 International Thin Films Conference (20-23 Nov. 2011, Kenting, Taiwan) Invited Speaker
56. Li-Wei Ho, **Jyh-Wei Lee**, Hsien-Wei Chen, Yu-Chen Chan, Jenq-Gong Duh, 2011," Effects of titanium contents on the microstructures and mechanical properties of Ti-Cr-B-N nanocomposite thin films", TACT2011 International Thin Films Conference (20-23 Nov. 2011, Kenting, Taiwan)
57. Chia-Lin Li; **Jyh-Wei Lee**; Jinn Chu, 2012, "Characteristics of Metallic Glass Thin Films Deposited by Using RF, DC and Pulsed DC Sputtering Techniques", 2012 TMS (11-15 March, 2012, Orlando, Florida, USA)
58. Yi-Chia Liao; **Jyh-Wei Lee**; Ching-Yen Chung; Chia-Lin Li; Jenq-Gong Duh; Jinn P. Chu, 2012, "A Study of Corrosion Behavior of Zr-Based Metallic Glass Thin Films Deposited by Pulsed DC Magnetron Sputtering Technique" , 2012 TMS (11-15 March, 2012, Orlando, Florida, USA)(Invited Speaker)
59. Yu-Chen Chan; Hsien-Wei Chen; Li-Wei Ho; **Jyh-Wei Lee**; Po-Yu Chen; Jenq-Gong Duh, 2012, "Bio-Inspired Organic/Inorganic Multi-Layer Coating Synthesized by RF-Magnetron Sputtering and Pulse Laser Deposition", 2012 TMS (11-15 March, 2012, Orlando, Florida, USA)
60. **Jyh-Wei Lee**, Yu-Jie Chang, Chia-Lin Li, Yu-Chu Kuo, Chaur-Jeng Wang, Ching-Hsing Lin,"Nanostructured Thin Films Fabricated Using Plasma Process for Antimicrobial Applications", 2012 The 7th Asia-Pacific International Symposium on the Basics and Applications of Plasma Technology (April 14-16, 2012, Taipei, Taiwan) Invited Speaker
61. Cheng-Yi Tung, **Jyh-Wei Lee**, Sung-Hsiu Huang, Yi Bin Lin, Chil-Chyuan Kuo, Tsung-Eong Hsieh, Yu-Chen Chan, Hsien-Wei Chen, Jenq-Gong Duh, "A study of microstructures and mechanical properties of cathodic arc deposited CrCN/ZrCN

- multilayer coatings", 2012 Proceeding of ICMCTF 2012 conference, (April 23-27, 2012, San Diego, California, USA)
62. Yu-Chu Kuo, Chaur-Jeng Wang, **Jyh-Wei Lee**, "The microstructure and mechanical properties of Cr-Si-Ti-Al-N coatings", 2012 Proceeding of ICMCTF 2012 conference, (April 23-27, 2012, San Diego, California, USA)
 63. Yu-Chu Kuo, **Jyh-Wei Lee**, Chaur-Jeng Wang, "The microstructure, mechanical properties and oxidation resistance of CrAlSiN coatings", 2012 Proceeding of ICMCTF 2012 conference, (April 23-27, 2012, San Diego, California, USA)
 64. Ching-Yen Chung, **Jyh-Wei Lee**, Chia-Lin Li, Jinn P. Chu, "Mechanical properties evaluation of the magnetron sputtered Zr-based metallic glass thin films", 2012 Proceeding of ICMCTF 2012 conference, (April 23-27, 2012, San Diego, California, USA)
 65. Li-Wei Ho, **Jyh-Wei Lee**, Hsien-Wei Chen, Yu-Chen Chan, Jenq-Gong Duh, "Heat treating effects on the microstructure and mechanical properties of Ti-Cr-B-N thin films", 2012 Proceeding of ICMCTF 2012 conference, (April 23-27, 2012, San Diego, California, USA)
 66. Chau-Chang Chou, Yi-Yang Wu, **Jyh-Wei Lee**, Jen-Ching Huang, Chi-Hsiao Yeh, "Mechanical Properties of Fluorinated DLC and Si Interlayer on a Ti Biomedical Alloy", 2012 Proceeding of ICMCTF 2012 conference, (April 23-27, 2012, San Diego, California, USA)
 67. Yuxi Wang, S. Zhang, **Jyh-Wei Lee**, "Hard and tough CrAlN/CrAlSiN coatings through multilayering via Magnetron Sputtering", 2012 Proceeding of ICMCTF 2012 conference, (April 23-27, 2012, San Diego, California, USA)
 68. Cheng-Yi Tung, **Jyh-Wei Lee**, Chil-Chyuan Kuo, Sung-Hsiu Huang, Yu-Chen Chan, Hsien-Wei Chen, Jenq-Gong Duh, "Microstructures and mechanical properties evaluation of ZrCN thin films", ThinFilms 2012, (July 14-17, 2012, Nanyang Technological University, Singapore)
 69. Hsiao Yu-Chiao, **Lee Jyh-Wei**, Kuo Yu-Chu, Wang Chaur-Jeng, Yang Yung-Chin, "Effect of silicon content on the corrosion behavior of CrAlSiN coatings deposited by magnetron sputtering system", ThinFilms 2012, (July 14-17, 2012, Nanyang Technological University, Singapore)
 70. Li-Wei Ho, **Jyh-Wei Lee**, Hsien-Wei Chen, Yu-Chen Chan, Jenq-Gong Duh, "Structures and mechanical properties evaluation of Cr-Ti-B-N coatings", ThinFilms 2012, (July 14-17, 2012, Nanyang Technological University, Singapore)
 71. Tzu-Chin Tseng, **Jyh-Wei Lee**, "Microstructures and mechanical properties evaluation of CrZrN thin films", ThinFilms 2012, (July 14-17, 2012, Nanyang Technological University, Singapore)

72. Wang-Ting Tsai, Li-Wei Ho, **Jyh-Wei Lee**, "The effects of boron and nitrogen contents on the microstructure and mechanical properties of Cr-B-N thin films", ThinFilms 2012, (July 14-17, 2012, Nanyang Technological University, Singapore) (**海報論文首獎**)
73. Ching-Yen Chung, **Jyh-Wei Lee**, Chia-Lin Li, Jinn P. Chu, "Heat treating effects on the crystallization behavior and mechanical properties of Zr-based thin film metallic glasses", ThinFilms 2012, (July 14-17, 2012, Nanyang Technological University, Singapore)
74. Ching-Yen Chung, **Jyh-Wei Lee**, Chia-Lin Li, Jinn P. Chu, "Effect of Nitrogen Contents on the Corrosion Resistance of Zr-based Thin Film Metallic Glass", IUMRS International Conference in Asia (IUMRS-ICA 2012, August 26-31, 2012, Busan, Korea)
75. Tz-Yah Liu, Jinn P. Chu, Chia-Lin Li, **Jyh-Wei Lee**, J. S. C. Jang, Ming-Jen Chen, Shih-Hsin Chang, Jiunn-Chang Lin, "Thin Film Metallic Glasses for Sharp and Durable Tools", IUMRS International Conference in Asia (IUMRS-ICA 2012, August 26-31, 2012, Busan, Korea)
76. Tzu-Yuan Kao, Jinn P. Chu, Chia-Lin Li, **Jyh-Wei Lee**, Ming-Jen Chen, Shih-Hsin Chang, Jiunn-Chang Lin, "A Study on the Antibacterial Property of Thin Film Metallic Glasses", IUMRS International Conference in Asia (IUMRS-ICA 2012, August 26-31, 2012, Busan, Korea)
77. Chia-Lin Li, Jinn P. Chu, **Jyh-Wei Lee**, "Effects of Substrate Bias on the Characteristics of Thin Film Metallic Glasses Deposited by Varies Sputtering Techniques", IUMRS International Conference in Asia (IUMRS-ICA 2012, August 26-31, 2012, Busan, Korea)
78. Li-Wei Ho, Tzu-Chin Tseng, **Jyh-Wei Lee**, Hsien-Wei Chen, Yu-Chen Chan, Jenq-Gong Duh, "Effects of Cr and B Contents on the Oxidation Resistance of Ti-Cr-B-N Thin Films", 16th APCCC (Oct. 21-24, 2012, Kaohsiung)
79. Li-Wei Ho, Wang-Ting Tsai, **Jyh-Wei Lee**, "Corrosion Resistance Evaluation of Ti-Cr-B-N Thin Films", 16th APCCC (Oct. 21-24, 2012, Kaohsiung)
80. **Jyh-Wei Lee**, "Corrosion Properties of Protective Thin Films Fabricated by Magnetron Sputtering Process ",16th APCCC (Oct. 21-24, 2012, Kaohsiung) (**Invited Speaker**)
81. Ching-Yen Chuang, **Jyh-Wei Lee**, Chia-Lin Li, Jinn P. Chu, Jenq-Gong Duh, "Evaluation of Microstructure and Mechanical Properties of Nitrogen Doped ZrNiAlSi Thin Film Metallic Glasses", 2013 TMS (March 3-7, 2013, San Antonio, Texas)
82. **Jyh-Wei Lee**, L.W. Ho, W.S. Lai, C.J. Wang, 2013, "Comparative Study of Transition Metal Boronitride Hard Coatings Fabricated by Reactive Magnetron

- Sputtering Process", Proceeding of ICMCTF 2013 conference, (April 28-May 03, 2013, San Diego, California, USA)(***Invited Speaker***)
83. W.T. Tsai, **Jyh-Wei Lee**, 2013, "The Effects of Bilayer Periods on the Mechanical Properties of Cr-B-N/Ti-B-N Multilayered Thin Films", Proceeding of ICMCTF 2013 conference, (April 28-May 03, 2013, San Diego, California, USA)
 84. C.M. Lee, J.P. Chu, **Jyh-Wei Lee**, 2013, "Fatigue Property Improvements of Ti Alloys by Metallic Glass and TiN Thin Films", Proceeding of ICMCTF 2013 conference, (April 28-May 03, 2013, San Diego, California, USA)
 85. W.S. Lai, **Jyh-Wei Lee**, C.J. Wang, 2013, "Influences of Boron Contents on the Microstructure and Mechanical Properties of Ti-Zr-B-N Thin Films Deposited by Pulsed DC Reactive Magnetron Sputtering", Proceeding of ICMCTF 2013 conference, (April 28-May 03, 2013, San Diego, California, USA)
 86. Tzu-Pin Hsiao, **Jyh-Wei Lee**, Yung-Chin Yang, Chia-Lin Li, Jinn P. Chu, "The microstructure and mechanical properties of nitrogen and boron contained ZrCuAlNi thin film metallic glass composites", Proceeding of ICMCTF 2013 conference, (April 28-May 2, 2013, San Diego, California, USA)
 87. Chia-Lin Li, Tz-Yah Liu, Jinn P. Chu, **Jyh-Wei Lee**, J. S. C. Jang, Ming-Jen Chen, Shih-Hsin Chang, "Effects of thin film metallic glass coating on sharpness improvements of cutting tools", Proceeding of ICMCTF 2013 conference, (April 28-May 2, 2013, San Diego, California, USA)
 88. Yu-Lun Deng, **Jyh-Wei Lee**, "The fabrication and property evaluation of Ti-Zr-B thin film metallic glass materials", THE TWELFTH INTERNATIONAL SYMPOSIUM ON SPUTTERING & PLASMA PROCESSES (ISSP 2013) (July 10-12, 2013, Kyoto, Japan)
 89. Li-Chi Hsu, **Jyh-Wei Lee**, Bih-Show Lou, " The Influences of nitrogen contents on the microstructure and mechanical properties of Ti-Si-B-N thin films", THE TWELFTH INTERNATIONAL SYMPOSIUM ON SPUTTERING & PLASMA PROCESSES (ISSP 2013) (July 10-12, 2013, Kyoto, Japan)
 90. Wang-Ting Tsai, **Jyh-Wei Lee**, "Effect of nitrogen content on the microstructure and mechanical properties of Cr-B-N/Ti-B-N nanolaminated coatings", THE 8TH PACIFIC RIM INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS AND PROCESSING (PRICM 8) (August 4-9, 2013 Waikoloa, Hawaii USA)
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