

- **International Conferences**

1. **Li-Chun Chang**, Keng-Hao Liu, and Hsuan-Ling Kao, “Switching mechanism transition induced by annealing treatment in Pt/ZnO/Cr/ZnO/Pt resistive memory,” 6th International Conference on Technological Advances of Thin Films & Surface Coatings ThinFilms2012, (14-17 Jul. 2012, Singapore).
2. **Li-Chun Chang**, Yu-Hsuan Wei, Shu-Chuan Liao, and Cheng-Lin Cho, “Resistive Switching Behavior of Printed Ag/ZnO/Ag,” 6th International Conference on Technological Advances of Thin Films & Surface Coatings ThinFilms2012, (14-17 Jul. 2012, Singapore)
3. Hsuan-Ling Kao, Cheng-Lin Cho, Bo-Wen Wange, and **Li-Chun Chang**, “Inkjet Printing RF Bandpass Filter on LCP Substrate,” 6th International Conference on Technological Advances of Thin Films & Surface Coatings ThinFilms2012, (14-17 Jul. 2012, Singapore).
4. Yung-I CHEN, Sin-Min CHEN, and **Li-Chun Chang**, “XPS and TEM studies on internally oxidized Nb-Ru coatings,” 6th International Conference on Technological Advances of Thin Films & Surface Coatings ThinFilms2012, (14-17 Jul. 2012, Singapore).
5. Jer-Chyi Wang, Yu-Ren Ye, Chao-Sung Lai, De-Yuan Jian, Wei-Ping Lee, **Li-Chun Chang**, Hsin-Chun Lu, Chih-I Wu, and Po-Sheng Wang, “Highly Reliable Gadolinium Oxide Resistive Switching Memory with Pt-Al Alloy Electrode and Optimized Post-Metallization Annealing,” 6th International Conference on Technological Advances of Thin Films & Surface Coatings ThinFilms2012, (14-17 Jul. 2012, Singapore).
6. **Li-Chun Chang** and Yung-I Chen, “Oxidation Study of Nanocrystalline Cr-Ta Hard Coatings,” TACT 2011, International Thin Films Conference (20-23 Nov. 2011, Kenting, Taiwan).
7. **Li-Chun Chang**, Keng-Hao Liu, Cheng-Han He, and Hsuan-Ling Kao, “Switching mechanism transition induced by annealing treatment in Ru/ZnO/Ru/ZnO/Ru resistive memory,” TACT 2011, International Thin Films Conference (20-23 Nov. 2011, Kenting, Taiwan).
8. **Li-Chun Chang**, Kang-Hua Chang, Keng-Hao Liu, and Hsin-Jung Tsai, “Investigation of the electroforming process in resistively switching TiON films,” 12th International Conference and Exhibition of the European Ceramic Society (19-23 Jun. 2011, Stockholm, Sweden).

9. **Li-Chun Chang**, Kang-Hua Chang, Keng-Hao Liu, and Hsin-Jung Tsai, "Effects of nitrogen partial pressure on resistive switching characteristics of titanium oxynitride thin films by DC reactive magnetron sputtering," Proceeding of ICMCTF 2011 conference, (May 2-6, 2011, San Diego, California, USA).
10. **Li-Chun Chang**, Cheng-Huan Yang, and Hsuan-Ling Kao, "Influence of carrier injection on resistive switching of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ thin films with Ni electrode," The 5th International Conference on Technological Advances of Thin Films & Coatings (ThinFilms2010), (July 11-14, 2010, Harbin, China).
11. Shih-Tien Chang, Jyh-Wei Lee, Chi-Hong Chien, **Li-Chun Chang**, Chaur-Jeng Wang, "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).
12. **L.C. Chang**, K.H. Chang, W.Z. Wang, and G.R. Liao, " Switching Characteristics of Titanium Oxynitride resistive random access memory," The 10th Asia Pacific Conference on Plasma Science and Technology and the 23rd Symposium on Plasma Science for Materials, (July 4-8, 2010, Jeju, Korea).
13. **L.C. Chang**, C.H. Yang, and H.L. Kao, "Effect of Top Electrode Material on Resistive Switching Properties of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ Film Memory Device," The 10th Asia Pacific Conference on Plasma Science and Technology and the 23rd Symposium on Plasma Science for Materials, (July 4-8, 2010, Jeju, Korea).
14. J.W. Lee, Y.B. Lin, **L.C. Chang**, F.B. Wu, "Resistive Switching in transparent ITO/ Cu_2O / TiO_2 /ITO Stacked Structure," 2010 Proceeding of ICMCTF 2010 conference, (April 26-31, 2010, San Diego, California, USA).
15. **L.C. Chang**, Y.C. Peng, J.H. Lu, and Y.C. Kuo, "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).
16. C.L. Li, H.M. Lin, J.W. Lee, J.G. Duh, and **L.C. Chang**, "Influences of Annealing on the Microstructures and Mechanical Properties of $\text{Cr}_2\text{N}/\text{Cu}$ Multilayered Thin Films," 2010 Proceeding of ICMCTF 2010 conference, (April 26-31, 2010, San Diego, California, USA).
17. S.T. Chang, J.W. Lee, C.H. Chien, J.J. Chen, S.S. Ting, **L.C. Chang**, and C.J. Wang, "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).
18. J.M. Kao, J.W. Lee, **L.C. Chang**, “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).
 19. **Li-Chun Chang**, Yu-Chun Peng and Jong-Hong Lu, “Switching characteristics of ITO/Cu₂O/ITO transparent resistive random access memory,” TACT2009 International Thin Films, (14-16 Dec. 2009, Taipei, Taiwan).
 20. **Li-Chun Chang**, Yu-Chun Peng and Jong-Hong Lu, “Switching characteristics of ITO/Cu₂O/ITO transparent resistive random access memory,” TACT2009 International Thin Films, (14-16 Dec. 2009, Taipei, Taiwan).
 21. Chuan-Yeh Wang, Jyh-Wei Lee, **Li-Chun Chang**, “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).
 22. Yi-Bin Lin, Jyh-Wei Lee, Fan-Bin Wu, **Li-Chun Chang**, “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).
 23. **Li-Chun Chang**, Yu-Chun Peng and Jong-Hong Lu, “Structure Effects on Optical Properties in ITO/Cu_xO/ITO Devices for TRRAM Applications,” 11th International Conference and Exhibition of the European Ceramic Society (21-25 Jun. 2009, Krakow, Poland).
 24. **Li-Chun Chang**, Cheng-Huan Yang, Hsuan-Ling Kao and Fan-Bean Wu, “Using High Work Function Ni Metal to Improve the Stress Reliability of CaCu₃Ti₄O₁₂ MIM Capacitors,” (April 26- May 1, 2009 ICMCTF, San Diego, USA).
 25. C.L. Li, J.W. Lee, **L.C. Chang**, “Characteristics of Cr₂N/Cu Multilayered Thin Films with Different Bilayer Thickness,” Proceeding of ICMCTF 2009 conference (April 26- May 1, 2009, San Diego, California, USA).
 26. Y.B. Lin, J.W. Lee, **L.C. Chang**, “Microstructures and Corrosion Resistance of Pulsed DC Reactive Magnetron Sputtered nanocomposite Zr-Si-N Thin Films,” Proceeding of ICMCTF 2009 conference (April 26- May 1, 2009, San Diego, California, USA).
 27. Y.C. Chang, H.L. Kao, C.H. Kao, C.H. Yang, Jeffrey S. Fu, Nemaï C. Karmakar, and **L.C. Chang**, “A 0.18 μm CMOS UWB LNA with New

Feedback Configuration for Optimization Low Noise, High Gain and Small Area,” 12th IEEE Symposium on Design and Diagnostics of Electronic Systems , pp. 194-197. (April 15-17, 2009, Liberec, Czech Republic).

28. **Li-Chun Chang** and Fan-Bean Wu, “Electric-Pulse-Induced Resistance Switching in $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ Films Grown by RF-Sputter,” Proceeding of ICMCTF 2008 conference (April 27- May 2, 2008 ICMCTF, San Diego, USA).
29. Y.I. Chen, **Li-Chun Chang**, Jyh-Wei Lee, Yu-Chu Kuo, and Chaur-Jeng Wang, “Annealing Study of Mo-Ru Hard Coatings on Tungsten Carbide,” Proceeding of ICMCTF 2008 conference (April 27- May 2, 2008 ICMCTF, San Diego, USA).
30. Y.C. Kao, Jyh-Wei Lee, **Li-Chun Chang**, and C.J. Wang,. “Effects of substrate bias frequencies on the characteristics of chromium nitride coatings deposited by pulsed DC reactive magnetron sputtering,” Proceeding of ICMCTF 2008 conference (April 27- May 2, 2008 ICMCTF, San Diego, USA).
31. Jyh-Wei Lee, J.S. Yang, and **Li-Chun Chang**, “Deposition Process Analysis of Chromium Nitride Thin Films Using Taguchi Experimental Design Method,” Proceeding of ICMCTF 2008 conference (April 27- May 2, 2008 ICMCTF, San Diego, USA).
32. Jyh-Wei Lee, C.M. Chen, J.C. Huang, **Li-Chun Chang**, and J.S. Yang, “Investigation of Nanostructured CrN/Amorphous- Si_3N_4 Multilayer Thin Film,” Proceeding of ICMCTF 2008 conference (April 27- May 2, 2008 ICMCTF, San Diego, USA).
33. Tsai-Sheng Pan, Li-Chun Chang, Chia-Cheng Ho, and Bi-Shiou Chiou, “Study on the voltage-controlled-oscillator circuit implemented with Al/HfO₂/Si capacitors”, 2007, IMPACT, Taipei, Taiwan.
34. Li-Chun Chang ,Dai-Ying Lee, Chia-Cheng Ho, and Bi-Shiou Chiou “Thickness-dependent microstructures and electrical properties of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ films derived from sol-gel process”, 2007 ICMCTF, San Diego, USA
35. Li-Chun Chang, Yung-I Chen, Jhy-Wei Lee and Hung-Yi Lin, “Detaching mechanism for Mo-Ru hard coating on tungsten carbide”, 2007 ICMCTF, San

Diego, USA.

36. Li-Chun Chang and Chia-Cheng Ho, "Microstructure and Electrical Characteristics with Ferroelectric (Ba,Sr)TiO₃ Thin Films and HfO₂ Buffer Layer for the Non-Volatile Memory Application", 2007 ICMCTF, San Diego, USA.
37. Dai-Ying Lee, Li-Chun Chang , Chia-Cheng Ho, and Bi-Shiou Chiou, "Low temperature processing of sol-gel derived CaCu₃Ti₄O₁₂ dielectric thin film using KrF laser annealing", 2007 ICMCTF, San Diego, USA.
38. Chia-Cheng Ho, Bi-Shiou Chiou, and Li-Chun Chang, "Microstructure Evolution and Dielectric Properties of Ba_{0.7}Sr_{0.3}TiO₃ Parallel Plate Capacitor with Cr Interlayer", 2007 ICMCTF, San Diego, USA.
39. Yung-Chan Chen, Li-Chun Chang, Bi-Shiou Chiou, "Properties of CaCu₃Ti₄O₁₂ (CCTO) Thin Film Fabricated by Sol-Gel Process", 2006 ICMCTF, San Diego, USA.
40. Chia-Cheng Ho, Bi-Shiou Chiou, Li-Chun Chang, Chen-Chia Chou ,Bo-Heng Liou, Chin-Chieh Yu, "Thermal Stability and Electric Properties of Ba_{0.7}Sr_{0.3}TiO₃ Parallel Plate Capacitor with Nano-Cr Interlayer" 2006 ICMCTF, San Diego, USA.
41. L.C. Chang and B.S. Chiou, "Effect of nano-coating on the sintering behavior and dielectrical microwave properties of Ba(Nd_{2-x}Sm_x)Ti₄O₁₂ ceramics", International Conference on Electroceramics, MIT, USA, 3-7 August 2003 abstract book, p.186.
42. L.C. Chang and B.S. Chiou, "Electrical behavior of BaO-Nd₂O₃-Sm₂O₃-TiO₂ with glass/oxide additives analyzed by impedance spectroscopy", International Conference on Electroceramics, MIT, USA, 3-7 August 2003 abstract book, p.232