著作

A. Journal

1. **Lin,C.Y.,** Wei, C.Y., Lin, J.L., Chiang, C.H., and Hsiao, F.B., "Investigation of the Design, Fabrication, and Aerodynamic Properties of Fixed-Wing MAV " Journal of Air Force Institute of Technology,Vol.5, No.1 , pp139-148,2006.
2. Lin, J.L., Wei, C.Y., and **Lin, C.Y.,** "Aerodynamic Performance of Thin Wings at Low Reynolds Numbers, " Journal of Aircraft Engineering and Aerospace Technology Vol.79, No3 ,pp245-253, 2007. (SCI)
3. Lin, J.L., Wei, C.Y. and **Lin, C.Y.,** "Design and Testing of Fixed-Wing MAVs," Journal of Aircraft Engineering and Aerospace Technology Vol.79, No4 ,pp346-351, 2007. (SCI)
4. Hsiao, F.B., **Lin, C.Y.,** Liu, Y.C., Wang, D.B., Wei, C.Y., Chiang, C.H., and Hsu, C.C., "Thickness Effect on Low-Aspect-Ratio Wing Aerodynamic Characteristics at a Low Reynolds Number," Journal of Mechanics, Vol.24, No. 3, pp.223-228,2008.(SCI)
5. Lin, J.L., Wei, C.Y., and **Lin, C.Y.,** "Aerodynamic Performance of Thin Wings at Low Reynolds Numbers, "Journal of Aircraft Engineering and Aerospace Technology Vol.81, No1 ,pp51-58, 2009. **(**SCI**)**
6. Char, J.M., Chiang, C.H., Chan, T.C., Hsu, U.K., Huang, C.J., and **Lin, C.Y.,** "Developments of Long-Endurance Small Jointed-Wing UAV, " Journal of Aerodynamics/Astronautics and Aviation, Series B, Vol.42, No.1, pp.11-18, 2010 (EI)
7. **Lin, C.Y.,** and Hsiao, F.B., "Experimental Study of Flow Separation Over NACA 63_3018 Wing with Synthetic Jet Control at Low Reynolds Numbers," Journal of Mechanics, Vol. 29, pp.45-52, 2013 (SCI)
8. **Lin, C.Y.,** Bai, C.J. and Hsiao, F.B., "An Investigation on Fundamental Characteristics of Excited Synthetic Jet Actuator Under Cavity and Diaphragm Resonances" Procedia Engineering, Vol. 79, pp.35-44, 2014 (EI)
9. **Lin, C.Y.,** Lin, J. L, Yang, C. F., "Analysis of External Flow Characteristics in Two-Dimensional Synthetic under Excitation Produced by Cavity Resonance," Journal of Vibroengineering, Vol. 18, pp. 4042-4050, 2016 (SCI)
10. **Lin, C.Y.** Yang, S. H., Lin, J. L., and Yang, C. F., " Effects of the Concentration of Eu^{3+} Ions and Synthesizing Temperature on the Luminescence Properties of $Sr_{2-x}Eu_xZnMoO_6$ Phosphors," Applied Sciences, Vol. 7, Issue 1, pp. 1-11, 2017 (SCI)
11. Tsai, S.T., **Lin, C.Y.,** , Wu, S.M., Chang, C.Y.,Yang, C.F."Analyses and statistics of the electrical fail for flip chip packaging by using ANSYS simulation software and really underfill materials" Microsyst Technol, Vol. 24, pp. 4017-4024, 2017 (SCI)
12. Yang, C.F., **Lin, C.Y.,** , "Investigation of luminescent properties of Eu3+ doped double perovskite Ba2ZnMoO6 phosphors by using solid-state reaction method" Microsyst technol, Vol. 24, pp.4067-4074, 2018 (SCI)
13. Liu, J., **Lin, C.Y**.,Tzou, W.C., Hsueh, N.K., Yang, C.F., Chen, Y., "Reflection of blue light using Bi-layer Al_2O_3-TiO_2 e-beam coating films" Cryst. Growth, Des. Vol. 18, pp.5426-5433, 2018.

14. **Lin, C.Y.**, Lin, J.L., "Flow characteristics of two-dimensional synthetic jets under diaphragm resonance excitation," Aircraft Engineering and Aerospace Technology, Vol.91, pp. 575-581, 2019, (SCI),
15. Wei, S., **Lin, C.Y.,** Yang, C.F., Wang, Y.K., Tsai, S.T., "Investigations of the Crystalline Phase and Photoluminescence Properties of White-Light Ca_xZnMoO_{4+x} Phosphors, " Journal of Materials Research and Technology, Vol.8, pp.3372-3782. 2019 (SCI)

B. Conference

1. Hsiao, Fei-Bin, **Lin, Chi-Yu**, Wei, Chin-Yi, Chiang, Chih-Huang, "Investigation of Aerodynamic Performance on Low Aspect-Ratio Wing at Low Reynolds Numbers," The 28th National Conference on Theoretical and Applied Mechanics, Taipei, Taiwan, 3-4 December 2004.
2. Wei, Chin-Yi, **Lin,Chi-Yu,** Hsiao, Fei-Bin, "Investigation of Aerodynamic Performance on Thin Wings at Low Reynolds Numbers" AASRC/CCAS Joint conference, Taichung, Taiwan, December 2004.
3. Lin, Jih-Lung, Wei,Chin-Yi , **Lin, Chi-Yu,** Hsiao,Fei-Bin, "薄機翼微飛機之氣動力特性研究" AASRC/CCAS Joint conference, Taichung, Taiwan, December 2005.
4. Hsiao, Fei-Bin, **Lin, Chi-Yu,** Liu, Yi-Chung, Wang, Di-Bao, Wei, Chin-Yi, Chiang, Chih-Huang, Hsu, Cheng-Chiang, "Investigation of Aerodynamic Performance on Low-Aspect-Ratio Wings at Low Reynolds Numbers" 44th AIAA Aerospace Sciences Meeting and Exhibit Conference, Paper No, AIAA-2006-1266, January 8-12, 2006, Reno, Nevada.
5. Char, J.M., Sheu, M.S., and **Lin, C.Y.,** "The Improvement of Supercritical Fluid Cleaning Mechanism by Using Spray Injector," AASRC/CCAS Joint conference, Pingtung, Taiwan, November, 2007.
6. **Lin, C.Y.,** Hsiao, F.B., Hsu, C.C., and Hsu, C.W., "Experimental Studies on the Resonance of Piezoelectric-Driven Synthetic Jet Actuator," AASRC/CCAS Joint conference, Taoyuan, Taiwan, December, 2010.
7. **Lin, C.Y.,** and Hsiao, F.B., "Experimental Studies of Flow Separation Over NACA63$_3$018 Wing with Synthetic-Jet Control at Low Reynolds Numbers," AASRC/CCAS Joint conference, Taichung, Taiwan, November, 2011.
8. **Lin, C.Y.** and Hsiao, F.B. "Investigation on the Flow Characteristics of Synthetic Jet Under Excitation Condition at Resonance of Diaphragm," Conference of Chinese Air Force Academic, Kaohsiung, October, 2013.
9. **Lin, C.Y.,** Lin, J.L., Yang, C.F., Chang H.L.," Analysis of External Flow Characteristics for Two-Dimensional Synthetic Jets under Excitation of Cavity Resonance," International Conference on Applied System Innovation, Osaka, Japan, May, 2015.

10. Yang, S., Li, W.Y., Yang, C. F.,**Lin, C.Y.,** Chen, C.Y., "Effect of Nd_2O_3 Concentration on the Photoluminescence Characteristics of Zn_2SiO_4 Phosphor," International Conference on Applied System Innovation, Osaka, Japan, May, 2015.

研究計畫(Research)

『探討合成噴流在薄膜共振與腔體共振激擾下渦結構的差異性』，計畫編號：MOST 103-2218-E-344-001，執行期間:2014.09.01 至 2015.08.31。(計畫主持人)

『探討 Sr2ZnMoO6 及 Ca2ZnMoO6 摻雜 Eu3+離子的螢光特性之研究』，計畫編號：MOST 105-2221-E-344-002，執行期間:2016.08.01 至 2017.07.31。(計畫主持人)

『教學創新之電能探討及熱電材料開發分析』，112 年度國防部補助軍事院校教師從事學術研究計畫，執行期間:112.01.01 至 112.12.31。(計畫主持人)。

技術證照

1.「電腦軟體應用乙級」，編號：118-011906，行政院勞委會 93 年 9 月 23 日。2. 「飛機修護乙級」，編號：176-002122，行政院勞委會 110 年 3 月 29 日。3.「遙控無人機專業高級操作證」G2(佐證如附件)。

榮譽事蹟

1. 99 年 3 月 21 日參加中華民國航空太空學會舉辦「2010 年台灣無人機飛機設計競賽，榮獲視距外組第一名(佐證如附件)。
2. 104 年 5 月 22~27 日至日本大阪，參加「International Conference on Applied System Innovation (ICASI)」國際研討會發表論文，受到大會肯定給予最佳論文獎(佐證如附件)。
3. 105 年指導所屬「專題製作」學生報名參加 2015 亞洲機器人運動競技大賽不分組_太陽能車相撲項目，榮獲第一名(佐證如附件)。
4. 105 年擔任「空軍航空技術學院 105 年度學報審查委員」。
5. 106 年指導所屬「專題製作」學生報名參加 2016 亞洲智慧型機器人大賽大專院校組_自走車撞球 A 組，榮獲第三名(佐證如附件)。
6. 106 年指導所屬專題製作學生報名參加「2017 臺灣國際創新發明暨設計競賽」，榮獲金牌(佐證如附件)。
7. 106 年擔任「2017 第七屆航空科技與飛航安全暨第五屆航空與社會學術研討會」論文審查委員(佐證如附件)。
8. 當選 106 年空軍優良教師(佐證如附件)。
9. 107 年擔任「空軍航空技術學院 107 年度學報審查委員」(佐證如附件)。
10. 108 年擔任「2019 第九屆航空科技與飛航安全暨第七屆航空與社會學術研討會」口

頭論文發表主持人(佐證如附件)。

11. 109~112 年擔任「空軍航空技術學院 109~112 年度學報審查委員」(佐證如附件)。

12. 111 年指導所屬「專題製作」學生報名參加「2022 年第十六屆波蘭國際發明展暨發明競賽」榮獲金牌獎(佐證如附件)。

13. 113 年擔任「2024 第 14 屆航空科技與飛航安全暨第 12 屆航空與社會學術研討會」口頭論文發表主持人(佐證如附件)。

14. 113 年指導所屬「專題製作」學生報名參加「2024 全國大專院校產學創新實作競賽-綠色科技組」，榮獲佳作(佐證如附件)。