

蔡良庭教師

學術著作目錄

一、期刊論文

1. Liu, C. C., & **Tsai, L. T. *** (2021). Factors influencing regular exercise habits of women in Taiwan. *International Journal of Environmental Research and Public Health*. 18(22), 11960. DOI: 10.3390/ijerph182211960 (SSCI, IF=3.390, Q1)
2. **Tsai, L.T.***, Chang, C. C., & Hu, P. H. (2021). A scale for assessing student understandings of marine resource conservation and sustainability: psychometric verification and the latent mean difference between genders. *Environmental Education Research*, 27(9), 1329-1342. DOI: /10.1080/13504622.2021.1923664 (SSCI, IF=2.66, 61/263)
3. Chang, C. C., **Tsai, L.T.***, Chang, C. H., Chang, K. C., & Su, C. F. (2021). Effects of science reader belief and reading comprehension on high school students' science learning via mobile devices. *Sustainability*. 13, 4319. DOI:10.3390/su13084319 (SSCI, IF=2.576, 53/123)
4. Lin, Y. H., & **Tsai, L. T.** (2021). Development of mathematics reading assessment: Psychometric evaluation based on SEM and IRT. *International Journal of Education, Psychology and Counselling*. 38(6), 46-56.
5. **Tsai, L. T.**, Chang, C. C., & Cheng, H. T. (2021). Effect of STEM-oriented course on students' marine science motivation, interest, and achievement. *Journal of Baltic Science Education*. 20(1), 134-145. DOI:10.33225/jbse/21.20.134 (SSCI, IF=0.915, 212/263)
6. Lin S. S. H., Hong, J. C., **Tsai, L. T.**, & Liu, E. T. (2020). Depressogenic traits and depression: Are humor styles mediators? *HUMOR-International Journal of Humor Research*. 34(1), 1-22. DOI:10.1515/humor-2020-0001 (SSCI, IF=0.558, 122/137)
7. Lin, Y. L., Wu, L. Y., **Tsai, L. T.***, & Chang, C. C. (2020). The Beginning of marine sustainability: Preliminary results of measuring students' marine knowledge and ocean literacy. *Sustainability*. 12(18), 7115; DOI:10.3390/su12177115 (SSCI, IF=2.576, 53/123)

8. **Tsai, L. T.** (2019). Multilevel effects of student and school factors on senior high school students' ocean literacy. *Sustainability*. 11(20), 5810.
DOI:[10.3390/su11205810](https://doi.org/10.3390/su11205810) (SSCI, IF=2.576, 53/123)
9. **Tsai, L. T.**, Y. L. Lin., & Chang, C. C. (2019). An assessment of factors related to ocean literacy based on gender-invariance measurement. *International Journal of Environmental Research and Public Health*. 16(19), 3672. DOI:[10.3390/ijerph16193672](https://doi.org/10.3390/ijerph16193672) (SSCI, IF=2.849, 32/171)
10. **Tsai, L. T.**, & Chang, C. C.(2019). Measuring ocean literacy of high school students: Psychometric properties of a Chinese version of the ocean literacy scale. *Environmental Education Research*, 25(2), 264-279. DOI:[10.1080/13504622.2018.1542487](https://doi.org/10.1080/13504622.2018.1542487) (SSCI, IF=266, 61/263)
11. Chang, C. C., **Tsai, L. T.**, & Wu, K. C. (2018). Content analysis of statistice for mathematics textbooks: A comparative study in Taiwan, China, Singapore, and USA. *International Journal of Social Sciences*, 65(1), 1-15.
12. 吳靖國、王嘉陵、張正杰、**蔡良庭** (2018) 。海洋教育融入師資培育課程的檢討與建議。臺灣教育評論月刊，7 (10) ，17-21。
13. **Tsai, L. T.**, Chang, C. C., & Wu, C. K. (2018). Development of Marine Science Affect Scale for Junior High School Students in Taiwan: Testing for measurement invariance. *EURASIA Journal of Mathematics, Science and Technology Education*. 14(1), 53-60. (SSCI, IF=0.903, 147/235)
14. Chen, C. F., **Tsai, L. T.**, Lin, C. F.,Huang, C. C., Chang, Y. T., Chen, R. Y., & Lyu, S. Y. (2017). Factors influencing interest in recreational sports participation and its rural-urban disparity. *PLoS ONE* 12(5): e0178052. DOI:[10.1371/journal.pone.0178052](https://doi.org/10.1371/journal.pone.0178052) (SCI, IF=2.776, 24/69)
15. **Tsai, L. T.**, Lo, F. E., Yang, C. C., Lo, W. M., Keller, J. J., Hwang, C. W., Lin, C. F., Lyu, S. Y., & Morisky, D. E. (2016). Influence of socioeconomic factors, gender and indigenous status on smoking in Taiwan. *International Journal of Environmental Research and Public Health*. 13(11), 1044; DOI:[10.3390/ijerph13111044](https://doi.org/10.3390/ijerph13111044) (SSCI, IF=2.101, 41/157)
16. Liu, C. C., Yang, C. C., **Tsai, L. T.**, Chang, B. F., Chang, H. Y., & Liu, C. F. (2016). Digital dynamometer and goniometer in analyzing isometric capacities and tennis serving. *MATEC Web of Conferences*, 71, 05003. DOI: [10.1051/mateconf/20167105003](https://doi.org/10.1051/mateconf/20167105003) (EI)
17. **Tsai, L. T.**, & Yang, C. C. (2015). Hierarchical effects of school, classroom, and student level factors on the science performance of eighth-grade Taiwanese students. *International Journal of Science Education*, 37(8), 1166-1181. DOI: [10.1080/09500693.2015.1022625](https://doi.org/10.1080/09500693.2015.1022625) (SSCI, IF=1.516 , 31/219)

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19. **Tsai, L. T.**, Yang, C. C., & Chang, Y. J. (2015). Gender differences in factors affecting science achievement of eighth grade Taiwan students. *The Asia-Pacific Education Researcher*, 24(2), 445–456. DOI:10.1007/s40299-014-0196-z (SSCI, IF=0.793, 97/219)
20. Lo, F. E., Tsai, F. C., Lee, M. B., **Tsai, L. T.**, Lyu, S. Y., & Yang, C. C. (2015). Contextual factors influencing leisure physical activity of urbanized indigenous adolescents. *Journal of the Formosan Medical Association*. 114(11), 1082-1087. DOI:10.1016/j.jfma.2014.03.014 (SCI, IF=2.844, 35/160)
21. Lyu, S. Y., Chi, Y. C., Farabee, D., **Tsai, L. T.**, Lee, M. B., Morisky, D. E. (2015). Psychological distress in an incarcerated juvenile population. *Journal of the Formosan Medical Association*. 114(11), 1076-1081. DOI:10.1016/j.jfma.2014.03.011 (SCI, IF=2.844, 35/160)
22. Lyu, S. Y., Chen, R. Y., **Tsai, L. T.**, Wang, S. S., Lo, F. E., Chi, Y. C., & Morisky, D. (2014). Female media use behavior and agreement with publicly promoted agenda-specific health messages. *International Journal of Environmental Research and Public Health*, 11(12), 12532-12543. (SSCI, IF=2.101, 41/157)
23. **蔡良庭**、楊志堅 (2014)。LVQ 與多變數反覆加權法於測驗效度檢驗影響。測驗學刊。61 (3) , 361-384。(TSSCI)
24. 楊志堅、**蔡良庭**、張碧峰 (2013)。以勝負網絡分析重新評估女子網球選手之歷史地位。大專體育學報。52 (2) , 218-227。(TSSCI)
25. **蔡良庭**、楊志堅 (2013)。運用 S-B 量尺卡方差異檢定於潛在變項交互作用檢定之研究。中華心理學刊。55(2) , 277-290。(TSSCI)
26. **蔡良庭**，楊志堅 (2013)。多階層取樣單位異質性對科學調查之母體推論研究。調查研究-方法與應用。29 , 7-36。(TSSCI)
27. Shih, Y. S., **Tsai, L. T.**, & Yang, C. C. (2013). Exploring the factor effect of learning vector quantization in artificial neural networks. *Applied Mechanics and Materials*. 284-287, 3097-3101. (EI)
28. Liu, E. T. H., Chen, W. L., **Tsai, L. T.**, Wu, M. S., & Hong, C. L. (2012). Interpersonal mechanisms in the relationships between dependency/self-criticism and depressive symptoms in Taiwanese undergraduates: A prospective study. *Journal of Social and Clinical Psychology*. 31(9). 972-1006. (SSCI, IF=1.411, 30/60)

29. **Tsai, L. T.** & Yang, C. C. (2012). Improving measurement invariance assessments in survey research with missing data by novel artificial neural networks. *Expert Systems with Applications*. 39(12), 10456-10464. (SCI, IF=4.292, 7/84)
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31. Peng, E. Y., Lee, M. B., Tsai, S. T., Yang, C. C., Morisky, D. E., **Tsai, L. T.**, Weng, Y. L., & Lyu, S. Y. (2010). Population-based post-crisis psychological distress: An example from the SARS outbreak in Taiwan. *Journal of the Formosan Medical Association*. 109(7), 524-532. (SCI, IF=2.844, 35/160)
32. Chen, C.R., **Tsai, L. T.**, Yang, C.C., & Yang, C.C. (2010). Latent variable models for assessing interaction effects in cognitive neuroscience. *The Proceedings of BioMedical Engineering and Informatics*. 336-340. ISBN:978-1-4244-6496-8. (EI, IEEE).
33. 楊志堅、楊志強、**蔡良庭***、呂淑妤 (2009)。RMSEA 與卡方差異法於檢定模式差異之正確性：測量不變性之檢定。教育與心理研究。32(4)，53-72。(TSSCI)
34. 楊志堅、**蔡良庭**、楊志強 (2009)。以 LVQ-ESW 推估受訪者未知抽樣權重之研究。中華心理學刊。51(3)，277-293。(TSSCI)
35. Yang, C. C., & **Tsai, L. T.** (2008). Evaluating latent functional cortical regions interactions with structural equation modeling. *NeuroImage*, 41, supplement 1, 142. (SCI, IF=6.132, 5/121)
36. 楊志堅、**蔡良庭** (2008)。評估取樣權重於檢定 Likert 問卷之測量恆等性研究。中華心理學刊，50(3)，257-269。(TSSCI)
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