

陳怡君教師

## 二、學術文章

### 期刊論文/專書文章

1. 廖函微與陳怡君\* (2025)。即時反饋系統對國小高年級自閉症學童閱讀理解之成效。 *科技博物*，**29**(4)，139–168。  
<https://www.airitilibrary.com/Article/Detail?DocID=16841220-N202601280009-00006> (收錄 TCI-HSS 資料庫，雙向匿名審查機制)
2. Chen, Y. C.\* (2024). The critical yet overlooked spatial competence in learning astronomy: Decoding semantic spatial information in pictures. *Journal of Baltic Science Education*, *23*(6), 1134–1151. <https://doi.org/10.33225/jbse/24.23.1134> (SSCI)
3. Chen, Y. C., Wu, H. K.\* , & Hsin, C. T. (2024). A systematic review of assessments for young children’s scientific and engineering practices. *Research in Science & Technological Education*, *42*(3), 658–677.  
<https://doi.org/10.1080/02635143.2022.2121693> (SSCI)
4. 陳怡君 (2022)。自然科探究與實作的課程實質內涵。 *海洋鐸聲*，**89**，1–2。
5. Chen, Y. C., Wu, H. K.\* , & Hsin, C. T. (2022). Science teaching in kindergartens: Factors associated with teachers’ self-efficacy and outcome expectations for integrating science into teaching. *International Journal of Science Education*, *44*(7), 1044–1066. <https://doi.org/10.1080/09500693.2022.2062800> (SSCI)
6. 陳怡君\*、楊芳瑩 (2020)。以眼球追蹤法探究解決結構良好問題的認知歷程：星體運動為例。 *科學教育學刊*，**28**(3)，281–302。  
[https://doi.org/10.6173/CJSE.202009\\_28\(3\).0004](https://doi.org/10.6173/CJSE.202009_28(3).0004) (TSSCI)  
[Chen, Y. C.\* & Yang, F. Y. (2020). Using eye-tracking technology to investigate the cognitive processes of solving well-structured problems on the topic of celestial motion. *Chinese Journal of Science Education*]
7. Chen, Y. C.\*, Yang, F. Y., & Chang, C. C. (2020). Conceptualizing spatial abilities and their relation to science learning from a cognitive perspective. *Journal of Baltic Science Education*, *19*(1), 50–63. <https://doi.org/10.33225/jbse/20.19.50> (SSCI)
8. 陳怡君 (2018)。空間能力在科學學習中所扮演的角色：領域特定或領域廣泛？ *科技部人社中心電子通訊 (Newsletter)*，**11**，17–22。
9. 陳怡君\* (2016)。淺談空間能力的性別差異與科學、科技、工程及數學類型的職業選擇。 *科學教育月刊*，**392**，46–54。  
[Chen, Y. C.\* (2016). A brief introduction to gender differences in spatial ability and their relations with STEM occupational choices. *Science Education Monthly*, *392*, 46–54]

10. Yang, F. Y.\*, Chang, C. C., Chen, L. L., & **Chen, Y. C.** (2016). Exploring learners' beliefs about science reading and scientific epistemic beliefs, and their relations with science text understanding. *International Journal of Science and Education*, 39 (10), 1591–1606. <https://doi.org/10.1080/09500693.2016.1200763> (SSCI)
11. **Chen, Y. C.** & Yang, F. Y.\* (2014). Probing the relationship between process of spatial problems solving and science learning – An eye tracking approach. *International Journal of Science and Mathematics Education*, 12(3), 579–603. <https://doi.org/10.1007/s10763-013-9504-y> (SSCI)
12. Yang, F. Y.\* & **Chen, Y. C.** (2012). Learner preferences and achievement. In Seel, N. (Ed.) *Encyclopedia of the Sciences of Learning* (Chapter 594). NY: Springer.
13. Chang, C. Y.\*, Barufaldi, J. P., Lin, M. C., & **Chen, Y. C.** (2007). Assessing tenth-grade students' problem solving ability online in the area of earth sciences. *Computers in Human Behavior*, 23(4), 1971–1981. <https://doi.org/10.1016/j.chb.2006.02.014> (SSCI)