

陳怡君教師

二、學術文章

期刊論文/專書文章

1. **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)
2. **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)
3. 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。
4. **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)
5. 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*]
6. **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)
7. 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。
8. 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]
9. 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)

10. **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)
11. 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.
12. 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)