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研究領域

●學術及教育專業專長：

中文：教育心理學、創造力與想像力相關研究、測驗與評量在教育領域之應用

英文：Educational Psychology, Research on creativity and imagination, The application of testing and assessment in educational domain

●歷年開課名稱：

中文：教育心理學、創意思考與教學

英文：Educational Psychology、Creative Thinking and Teaching Practice

研究成果

一、研究計畫

共同主持人，2016/12/01~2019/11/30【科技部】多維度媒體跨領域工程人才培育計畫

共同主持人，2016/11/1~2017/10/31【科技部】從體驗、發現到反思：女性科技人才培育之科學活動(III)

協同研究人員，2016/8/1~2019/7/31【科技部】網路學習平台提升學生二十一世紀科學學習關鍵能力之研究：以國小科學專題式學習為例

協同研究人員，2014/12~2017/11【科技部】工程技術導論與專題實務創新課程模組

二、期刊論文

1. 陳映孜、何曉琪、劉昆夏、林煥祥、鄭英耀 (in press)。從教師自編科學成就測驗之 Rasch分析看教與學。 **教育科學研究期刊**。(TSSCI)
2. 王佳琪、何曉琪、邱文彬、鄭英耀 (in press)。科學想像力習進程之驗證：測量觀點。 **教育心理學報**。(TSSCI)
3. 王佳琪、鄭英耀、何曉琪* (2016)。科學想像力圖形測驗之發展。 **教育科學研究期刊**，**61** (4)，177-204。(TSSCI)
4. Wang, C. C., Ho, H. C., & Cheng, Y. Y. (2015). Building a learning progression for scientific imagination: A measurement approach. *Thinking Skills and Creativity*, *17*, 1-14. doi: 10.1016/j.tsc.2015.02.001 (SSCI, 2014 IF= 1.461, Rank: EDUCATION & EDUCATIONAL RESEARCH 35/224)
5. 王佳琪、何曉琪、陳利銘、鄭英耀 (2015)。教育心理學研究與發展趨勢。 **教育研究月刊**，**252**，80-96。(具審查制度期刊)
6. 王佳琪、何曉琪、鄭英耀 (2014)。科學創造性問題解決測驗之發展。 **測驗學刊**，**61** (3)，337-360。(TSSCI)
7. Wang, C. C., Ho, H. C., Wu, J. J., & Cheng, Y. Y.(2014). Development of the scientific imagination model: A concept-mapping perspective. *Thinking Skills and Creativity*, *13*, 106-119. doi:10.1016/j.tsc.2014.04.001 (SSCI, 2014 IF= 1.461, Rank: EDUCATION & EDUCATIONAL RESEARCH 35/224)
8. Wang, C. C., Ho, H. C., Cheng, C. L., & Cheng, Y. Y.(2014). Application of the Rasch Model to the Measurement of Creativity: The Creative Achievement Questionnaire. *Creativity Research Journal*, *26*, 62-71. (SSCI, 2014 IF= 1.460, Rank: PSYCHOLOGY, EDUCATIONAL 25/55)
9. Ho, H. C., Wang, C. C., & Cheng, Y. Y. (2013). Analysis of the Scientific Imagination Process. *Thinking Skills and Creativity*, *10*, 68-78. doi:10.1016/j.tsc.2013.04.003 (SSCI, 2014 IF= 1.461, Rank: EDUCATION & EDUCATIONAL RESEARCH 35/224)
10. Chen, L. M., Cheng, W., & Ho, H. C.* (2013). Perceived severity of school bullying in elementary schools based on participants' roles. *Educational Psychology: An International Journal of Experimental Educational Psychology*. doi: 10.1080/01443410.2013.860220 (SSCI, 2014 IF= 0.667, Rank: EDUCATION & EDUCATIONAL RESEARCH 126/224)
11. Cheng, Y. Y, Chen, L. M., Ho, H. C., & Cheng, C. L. (2011). Definitions of school bullying in Taiwan: A comparison of multiple perspectives. *School Psychology International*, *32*,227-243. doi: 10.1177/0143034311404130 (SSCI, 2014 IF = 1.447, Rank: PSYCHOLOGY,

12. 王佳琪、鄭英耀、劉昆夏、何曉琪 (2011)。以Rasch分析檢驗「多向度幽默感量表」之信效度。《測驗學刊》，58 (4)，691-713。(TSSCI)

三、研討會論文

1. Ho, H. C., Wang, C. C., Cheng, Y. Y., Chen, Y. T., & Liu, M. J. (2017, June). Exploring scientific imagination in Taiwan: The aligning of model and teaching. Paper presented at the European Conference on Education, Brighton, United Kingdom.
2. 陳映孜、王佳琪、何曉琪、鄭英耀 (2016, 11月)。科學想像力融入國小自然科課程之教學成效。論文將發表於「亞太教育研究學會暨台灣教育研究學會2016國際研討會 (APERATERA2016)」。高雄。
3. 王佳琪、陳薇汝、陳映孜、何曉琪、鄭英耀 (2016, 11月)。科學想像力融入工程教育課程之教學成效：以國立中山大學為例。論文將發表於「亞太教育研究學會暨台灣教育研究學會2016國際研討會 (APERATERA2016)」。高雄。
4. 鄭英耀、何曉琪、林淵淙、陳薇汝 (2016, 12月)。工程教育課程融入科學想像力歷程模式之教學成效：以「能源管理與污染防治」課程為例。論文將發表於「第32屆科學教育國際研討會 (The 32nd ASET Annual International Conference)」。台中。
5. Ho, H. C., Wang, C. C., & Cheng, Y. Y. (2016, July). *The intersection between qualities valued and possessed of teacher scientific imagination: A measurement perspective*. Paper presented at the 31th Congress of Psychology, Yokohama, Japan.
6. Cheng, C. L., Cheng, Y. Y., Chuang, H. H., Ho, H. C., Wang, C. C. (2016, April). *Teaching argumentative speaking integrating critical thinking skills in a university EFL context*. Paper presented at the American Educational Research Association (AERA) 2016 Annual Meeting, Washington D.C., U.S.A.
7. Wang, C. C., Ho, H. C., & Cheng, Y. Y. (2015, August). *Validation of the Scientific Imagination Test-Verbal*. Paper presented at the Pacific Rim Objective Measurement Symposium (PROMS) 2015, Fukuoka, Japan.
8. Wang, C. C., Ho, H. C., Cheng, Y. Y., & Kuo, C. W. (2015, June). Building a learning progression for scientific imagination: A measurement perspective. Paper presented at The International Conference on New Horizons in Education (INTE 2015), Barcelona, Spain.
9. Cheng, C. L., & Cheng, Y. Y., Ho, H. C., Wang, C. C. (2014, September). *Instruction of Cognitive Thinking Strategies to Promote Foreign Language Learners' Critical Thinking and Oral Expression*. Poster paper presented at the European Conference on Educational Research (ECER 2014), Porto, Portugal.

10. Wang, C. C., Ho, H. C., Cheng, C. L., Chiu, H. L., & Cheng, Y. Y. (2014, September). *Validation of the Verbal Test of Scientific Imagination*. Poster paper presented at the European Conference on Educational Research 2014 (ECER 2014), Porto, Portugal.
11. Chen, Y. T, Cheng, Y. Y., Ho, H. C. (2014, July). *The Effect of Imagination to Grades 3-4 by Reading Different Contexts of Picture Book*. Paper presented at the 11th International Conference on Innovation in Education (ICIE2014), Paris.
12. Ho, H. C., Wang, C. C., Cheng, C. L., & Cheng, Y. Y. (2014, June). *Validation of Scientific Imagination Theoretical Model: A Rasch Measurement Approach*. Paper presented at The Nordic Research Symposium on Science Education (NFSUN 2014), Helsinki, Finland.
13. Wang, C. C., Ho, H. C., Cheng, C. L., & Cheng, Y. Y. (2014, June). *Validation of the Figural Test of Scientific Imagination*. Paper presented at The Nordic Research Symposium on Science Education (NFSUN 2014), Helsinki, Finland.
14. Ho, H. C., Wang, C. C., Cheng, Y. Y., & Cheng, C. L. (2013, July). *Validation of the Runco Ideational Behavior Scale: A Rasch measurement Perspective*. Paper presented at the 13th European Congress of Psychology (ECP 2013), Stockholm, Sweden.
15. Chen, L. M., Ho, H. C., Wang, C. C., & Cheng, Y. Y. (2013, July). *Prevalence and common behaviors of school bullying among elementary students in Taiwan*. Paper presented at the 13th European Congress of Psychology (ECP 2013), Stockholm, Sweden.
16. Ho, H. C., Wang, C.C., Cheng, C. L., & Cheng, Y. Y. (2012, December). *Development of the Teacher Scientific Imagination Scale: A Rasch measurement perspective*. Paper presented at the AARE-APERA 2012, Sydney, Australia.
17. Wang, C. C., Ho, H. C., Cheng, C. L., & Cheng, Y. Y. (2012, December). *The Development of the Scientific Imagination Model: A Concept Mapping Perspective*. Paper presented at the AARE-APERA 2012, Sydney, Australia.
18. Wang, C. C., Ho, H. C., Cheng, C. L., & Cheng, Y. Y. (2012, April). *Validation of Creative Achievement Questionnaire: Through a Rasch perspective*. Paper presented at the 2012 AERA Annual Meeting, Vancouver, Canada.
19. Wang, Y. H., Wang, C. C., Ho, H. C., & Cheng, Y. Y. (2011, December). *The effect of imagery strategies on learning performance*. Posted paper presented at the 2011 TERA International Conference on Education (TICE 2011), Kaohsiung, Taiwan.
20. Wang, C. C, Cheng, Y. Y., & Ho, H. C. (2011, July). *A comparison of the web-based and paper-and-pencil versions of the RMSHS with a sample of undergraduate students*. Posted paper posted at the 12th European Congress of Psychology (ECP 2011), Istanbul, Turkey.
21. Ho, H. C., Cheng, Y. Y., & Wang, C. C. (2011, July). *Analysis of scientific imagination process*. Paper presented at the 12th European Congress of Psychology (ECP 2011). Istanbul, Turkey.

22. Chang, Y. Z., Cheng, Y. Y., & Ho, H. C. (2010, November). *Revision of students' stereotype threat in science learning scale*. Paper presented at the 2010 Taiwan Education Research Association Conference (TERA 2010), Kaohsiung, Taiwan.
23. Ho, H. C., Cheng, Y. Y., & Wang, C. C. (2010, November). *The definition of scientific imagination: A example of International Exhibition for Young Inventors (IEYI)*. Paper presented at the 49th annual meeting of Taiwanese psychological Association, Chia-Yi, Taiwan.
24. Wang, C. C., Cheng, Y. Y., & Ho, H. C. (2010, November). *A Rasch Analysis of Revised Multidimensional Sense of Humor Scale*. Paper presented at the 49th annual meeting of Taiwanese psychological Association, Chia-Yi, Taiwan.
25. Ho, H. C., Cheng, Y. Y., & Wang, C. C. (2010, July). *A Rasch analysis of Taiwan undergraduate students' learning strategies*. Paper presented at the 14th World Conference in Education of the World Council for Curriculum and Instruction. Pécs, Hungary.
26. Wang, C. C., Cheng, Y. Y., & Ho, H. C. (2010, July). *A Rasch analysis of revised Multidimensional Sense of Humor Scale*. Paper presented at the 14th World Conference in Education of the World Council for Curriculum and Instruction. Pécs, Hungary.
27. Wang, C. C., Cheng, Y. Y., & Ho, H. C. (2009, December). *Revision of Multidimensional Sense of Humor Scale*. Paper presented at the 2009 Taiwan Education Research Association Conference (TERA 2009), Kaohsiung, Taiwan.
28. Ho, H. C., Cheng, Y. Y., Wang, C. C., & Chen, Y. L. (2009, July). *Development and validation of Learning Attitude Scale*. Paper presented at Pacific Rim Objective Measurement Symposium 2009. The Hong Kong Institute of Education, Hong Kong.

榮譽事蹟

- 2015 科技部赴國外從事博士後研究獎助
- 2014 國立中山大學優秀博士論文獎
- 2014 中華民國斐陶斐榮譽學會推薦之榮譽會員（國立中山大學分會）
- 2014 科技部補助延攬科技人才（博士後研究員）
- 2014,2016-2017 科技部補助國內專家學者出席國際會議
- 2010~2013 科技部補助國內研究生出席國際會議