

教師個人基本資料

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現職年月：112 年 8 月

實驗室網站：[網站連結](#)



學歷

學校	系所	學位
國立陽明大學	神經科學研究所	博士
國立成功大學	體育健康與休閒研究所	碩士
國立高雄師範大學	體育學系	學士

專長領域

競技/健身運動與認知神經科學、體智能訓練、足球、田徑

研究方向

運動心理學、運動與認知神經科學、體智能訓練與概念設計

個人經歷

- 國立成功大學體育健康與休閒研究所 副教授 (108.08 ~ 迄今)
- 國立成功大學足球校隊 教練 (103.08 ~ 迄今)
- 國立成功大學體育健康與休閒研究所 助理教授 (103.08 ~ 108.7)
- 國立中央大學認知神經科學研究所 研究助理 (99.08 ~ 102.7)
- 國立成功大學體育健康與休閒研究所 研究助理 (97.08 ~ 99.6)

所內行政工作

- 105 級班導師(2014~迄今)
- 110 學年度管理學院國際交流委員會議代表 (110.8.1~111.7.31)
- 110 學年度管理學院課程委員會委員 (110.8.01~111.7.31)
- 110 學年度本所課程委員會召集人 (110.8.01~111.7.31)
- 110 學年度本所研究規劃委員會委員 (110.8.01~111.7.31)

- 109 學年度本所研究規劃委員會委員、課程委員會委員 (109.8.01~110.7.31)
- 108 學年度本所課程委員會召集人 (108.8.01~109.7.31)
- 108 學年度本所研究規劃委員會委員 (108.8.01~109.7.31)
- 107 學年度管理學院課程委員會委員 (107.8.01~108.7.31)
- 107 學年度本所課程委員會召集人 (107.8.01~108.7.31)
- 107 學年度本所研究規劃委員會委員 (107.8.01~108.7.31)
- 106 學年度本所課程委員會、研究規劃委員會委員 (106.8.01~107.7.31)
- 105 學年度本所研究規劃委員會委員 (105.8.01~106.7.31)
- 104 學年度本所課程委員會、研究規劃委員會委員 (104.8.01~105.7.31)

校內行政工作

- 105 年入學考試命題委員
- 成功大學之本所校務會議代表 (2015~迄今)
- 成功大學體育資優生之足球項目考試委員 (2015~迄今)
- 交通安全教育委員 (2015~迄今)
- 成大男足校隊總教練 (2014~迄今)
- 成大體育學刊分科及審查委員 (2015~迄今)
- 體育室活動規劃委員 (2014~2015)
- 體育室場地規劃委員 (2014~2015)
- 交通安全教育委員會委員 (2015~迄今)

校外服務工作

- 臺南市 108 年度約聘專任運動教練委員試教評審委員
- Heart Foundation Research Grant Application 2018 計畫審查委員
- NIE Academic Research Fund (AcRF) 2017 Grant Call 計畫審查委員
- 臺南市 105 年度市立學校約僱專任運動教練聯合甄選命題委員
- 臺南市 105 年度市立學校專任教練聯合甄選命題委員
- 105 台電應聘足球員筆試命題委員
- 科技部大專生研究計畫(體育學門)初審委員
- SCI 期刊 NeuroImage 論文審查者(Guest Reviewer)
- SCI 期刊 Medicine & Science in Sport & Exercise 論文審查者(Guest Reviewer)
- SSCI 期刊 Child Development (論文審查者(Guest Reviewer))
- SSCI 期刊 Psychophysiology (論文審查者(Guest Reviewer))

- SCI 期刊 Medicine and Science in Sports and Exercise (論文審查者(Guest Reviewer))
- SCI 期刊 Frontiers in Aging Neuroscience (論文審查者(Guest Reviewer))
- SCI 期刊 Frontiers in Human Neuroscience (論文審查者(Guest Reviewer))
- SSCI 期刊 Brain and Cognition (論文審查者(Guest Reviewer))
- SCI 期刊 Neuroscience Letter (論文審查者(Guest Reviewer))
- SSCI 期刊 European Journal of Sport Science(論文審查者(Guest Reviewer))
- SCI 期刊 Scientific Reports 論文審查者(Guest Reviewer)
- SSCI 期刊 International Journal of Psychophysiology 論文審查者(Guest Reviewer)
- SSCI 期刊 Psychology of Sport and Exercise 論文審查者(Guest Reviewer)
- SSCI 期刊 Journal of Sport and Exercise Psychology 論文審查者(Guest Reviewer)
- SCI 期刊 Journal of Sport Science 論文審查者(Guest Reviewer)
- SCI 期刊 PeerJ 論文審查者(Guest Reviewer)
- SSCI 期刊 Acta Psychologica 論文審查者(Guest Reviewer)
- SSCI 期刊 Journal of Sport and Health Science 論文審查者(Guest Reviewer)
- SSCI 期刊 Journal of Motor Behavior 論文審查者(Guest Reviewer)
- SSCI 期刊 International Journal of Sport Psychology 論文審查者(Guest Reviewer)
- 國際期刊 International Journal of Sport and Exercise Psychology 論文審查者
- TSSIC 期刊中華心理學刊論文審查者
- TSSCI 期刊教育心理學報論文審查者
- TSSCI 體育學報期刊論文審查者
- TSSCI 臺灣運動心理學報論文審查者
- TSSCI 中華體育季刊論文審查者
- 性學研究期刊論文審查者
- 運動研究期刊論文審查者
- 成大體育學刊論文審查者
- 臺灣認知神經科學學會暨研討會論文摘要審查委員
- 指導仁光國小健康促進行動研究之課間運動與健康促進議題 (2015.03.01~2015.05.31)
- 台南市體育志工培訓研習會專業培訓課程講師 (2015.09 ~ 迄今)
- C 級保齡球教練之運動科學課程講師 (2014.08.11)
- C 級卡巴迪教練研習之運動心理學課程講師 (2014.09.27)

榮譽

- 民國 103 年獲得科技部人文處補助大專校院延攬特殊優秀人才補助
- 民國 102 年第二學期行天宮資優學生持續培育專案
- 民國 102 年第一學期行天宮資優學生長期培育專案
- 民國 102 年獲陽明大學優秀論文獎助 (優等)
- 民國 101 年獲陽明大學優秀論文獎助 (甲種)
- 民國 99 年成功大學斐陶斐榮譽會員
- 民國 99 年下學期獲得成功大學體育健康與休閒研究所研究生獎學金
- 民國 98 年上學期獲得成功大學體育健康與休閒研究所研究生獎學金
- 民國 97 年成功大學獲得新生盃田徑賽 (MVP 金牌*5、銅牌*1)
- 民國 96 年下學期高雄師範大學教育學院體育學系前三名優秀學生獎學金
- 民國 96 年上學期高雄師範大學教育學院體育學系前三名優秀學生獎學金
- 民國 95 年上學期高雄師範大學教育學院體育學系前三名優秀學生獎學金

證照

- C 級足球裁判證
- YMCA 體適能國際證照 (肌力體能指導教練)
- 丙級游泳教練證
- C 級田徑裁判證
- C 級桌球教練證
- 鐵人三項裁判證
- 中華民國田徑協會 C 級教練證
- 中華民國水上協會之救生員證
- 幼兒體能 C 級指導員證

期刊論文

英文期刊：

國際 SCI & SSCI 學術期刊發表論文 (SCI & SSCI Journal Publications) (google scholar) :

1. Kao S. C., **Wang, C. H.**, & Hillman, C. H. (*Major revision*). Acute effects of aerobic exercise on response variability and neuroelectric indices during a serial n-back task. *Brain and Cognition*. (SSCI)
2. **Wang, C. H.**,* Liang, W. K., & Moreau D. (*Minor revision*). Motor expertise is associated with differential cognitive modulation of brain signal variability. *Neuroscience*. (*Corresponding Author) (SCI) (MOST 103-2410-

H-006-127)

3. Yang, C. T., Hsieh, S., Yu, Y. T., Hsieh, C. J., Fific, M., & **Wang, C. H.** (Accepted). An examination of age-related differences in attentional control by system factorial technology. *Journal of Mathematical Psychology*. (SSCI)
4. **Wang, C. H.***, Moreau, D., & Kao, S. C. (2019). From the lab to the field: Potential applications of dry EEG systems to understand brain-behavior relationship in sports. *Frontiers in Neuroscience*, 13, 891. Doi: <https://doi.org/10.3389/fnins.2019.00893>. (*Corresponding Author) (SCI) (MOST 107-2410-H-006-097-MY3)
5. **Wang, C. H.**, Moreau, D., Yang, C. T., Tsai, Y. Y., Lin, J. T., Liang, W. K., & Tsai, C. L. (2019). Aerobic exercise modulates transfer and brain signal complexity following cognitive training. *Biological Psychology*, 144, 85 – 98. doi: <https://doi.org/10.1016/j.biopsycho.2019.03.012>. (SSCI) (MOST 104-2410-H-006-059)
6. Yang, C. T., **Wang, C. H.**, Chang, T. Y., Yu, J. C., & Little, D. (2019). Cue-driven changes in detection strategies effect trade-offs in strategic efficiency. *Computational Brain & Behavior*, 2, 109-127. doi: <https://doi.org/10.1007/s42113-019-00027-0>
7. **Wang, C. H.***, Moreau, D., Yang, C. T., Lin, J. T., Tsai, Y. Y., & Tsai, C. L. (2019). The influence of aerobic fitness on top-down and bottom-up mechanisms of interference control. *Neuropsychology*, 33, 245-255. doi:10.1037/neu0000507. (*Corresponding Author) (SSCI) (MOST 104-2410-H-006-059)
8. **Wang, C. H.***, & Tu, K. C. (2017). Neural correlates of expert behavior during a domain-specific attentional cueing task in badminton players. *Journal of Sport & Exercise Psychology*, 9, 209-221. doi: <https://doi.org/10.1123/jsep.2016-0335> (*Corresponding Author) (SSCI) (MOST 103-2410-H-006-127)
9. **Wang, C. H.***, Yang, C. T., Moreau, D., Muggleton, N. G. (2017). Motor expertise modulates neural oscillations and temporal dynamics of cognitive control. *NeuroImage*, 158, 260-270. doi: doi.org/10.1016/j.neuroimage.2017.07.009. (*Corresponding author) (SCI) (MOST 103-2410-H-006-127)
10. **Wang, C. H.**, Tseng, Y. T., Liu, D. & Tsai, C. L. (2017). Neural oscillation reveals deficits in visuo-spatial working memory in children with developmental coordination disorder. *Child Development*, 88, 1716-1726. doi: 10.1111/cdev.12708. (SSCI)
11. **Wang, C. H.**, Shih, C. M., & Tsai, C. L. (2016). The relation between aerobic fitness and cognitive performance: Is it mediated by brain potentials? *Journal of Psychophysiology*, 30, 102-113. doi: 10.1027/0269-8803/a000159. (SSCI)
12. **Wang, C. H.**, & Tsai, C. L. (2016). Physical activity is associated with greater visuo-spatial cognitive functioning regardless of level of cognitive load in elderly adults. *Journal of Sport & Exercise Psychology*, 38, 69-81. doi: <http://dx.doi.org/10.1123/jsep.2015-0221>. (SSCI)
13. Tsai, C. L., **Wang, C. H.**, Chen, F. C., Pan, C. Y., Huang, S. Y., & Tseng, Y. T. (2016). The effects of different exercise types on visuospatial attention in the elderly. *Psychology of Sport and Exercise*, 26, 130-138. doi:10.1016/j.psychsport.2016.06.013. (SSCI)

14. Tsai, C. L., Pan, C. Y., Chen, F. C., **Wang, C. H.**, & Chou, F. Y. (2016). Effect of acute aerobic exercise on a task-switching protocol and brain-derived neurotrophic factor concentrations in young adults with different levels of cardiorespiratory fitness. *Experimental Physiology*, 7, 836-850. doi: 10.1113/EP085682. (SCI)
15. **Wang, C. H.**, Lo, Y. H., Pan, C. Y., Chen, F. C., Liang, W. K., & Tsai, C. L. (2015). Frontal midline theta as a neurophysiological correlate for deficits of attentional orienting in children with developmental coordination disorder. *Psychophysiology*, 52, 821-812. doi: 10.1111/psyp.12402 (SSCI)
16. **Wang, C. H.**, Tsai, C. L., Tu, K. C., Muggleton, N., Juan, C. H., & Liang, W. K. (2015). Modulation of brain oscillations during visuo-spatial processing: A comparison between female collegiate badminton players and sedentary controls. *Psychology of Sport and Exercise*, 16, 121-129. doi: 10.1016/j.psychsport.2014.10.003. (SSCI)
17. **Wang, C. H.**, Liang, W. K., Tseng, P., Muggleton, N., Juan, C. H., & Tsai, C. L. (2015). The relation of aerobic fitness to neural oscillations during visuo-spatial attention in young adults. *Experimental Brain Research*, 33, 1069-1078. doi: 10.1007/s00221-014-4182-8. (SCI)
18. Moreau, D., **Wang, C. H.**, Tseng, P., & Juan, C. H. (2015). Blending transcranial direct current stimulations and physical exercise to maximize cognitive improvement. *Frontiers in Psychology*, 6, 678. doi: 0.3389/fpsyg.2015.00678 (SSCI) (MOST 103-2410-H-006-127)
19. Tsai, C. L., **Wang, C. H.**, Pan, C. Y., & Chen, F. C. (2015). The effects of long-term resistance exercise on the relationship between neurocognitive performance and GH, IGF-1, and homocysteine levels in the elderly. *Frontiers in Behavioral Neuroscience*, 9, 23. doi: 10.3389/fnbeh.2015.00023 (SCI)
20. **Wang, C. H.**, Tsai, C. L., Tseng, P., Yang A. C., Lo, M. T., Peng, C. K., Wang, H. Y., Muggleton, N. G., Juan, C. H., & Liang, W. K. (2014). The association of physical activity to neural adaptability during visuo-spatial processing in healthy elderly adults: A multiscale entropy analysis. *Brain and Cognition*, 92, 73-83. doi: 10.1016/j.bandc.2014.10.006. (SSCI)
21. Tsai, C. L., **Wang, C. H.**, Pan, C. Y., Chen, F. C., Huang, T. H., & Chou, F. Y. (2014). Executive function and endocrinological responses to acute resistance exercise. *Frontiers in Behavioral Neuroscience*, 8, 262. doi: 10.3389/fnbeh.2014.00262. (SCI)
22. Tsai, C. L., Chen, F. C., Pan, C. Y., **Wang, C. H.**, Huang, T. H., & Chen, T. C. (2014). Impact of acute aerobic exercise and cardiorespiratory fitness on visuospatial attention performance and serum BDNF level. *Psychoneuroendocrinology*, 41, 121-131. doi: 10.1016/j.psyneuen.2013.12.014. (SCI)
23. Tsai, C. L., Chang, Y. K., Chen, F. C., Hung, T. M., Pan, C. Y., & **Wang, C. H.** (2014). Effects of cardiorespiratory fitness enhancement on deficits in visuospatial working memory in children with developmental coordination disorder: A cognitive electrophysiological study. *Archives of Clinical Neuropsychology*, 29(2), 173-185. doi: 10.1093/arclin/act081. (SCI/SSCI)
24. **Wang, C. H.**, Chang, C. C., Liang, Y. M., Shih, C. M., Chiu, W. S., Tseng, P., Hung, D. L., Tzeng, O.J.L., Muggleton, N., & Juan, C. H. (2013). Open vs.

- Closed Skill Sports and the Modulation of Inhibitory Control. *PLoS ONE*, 8, e55773. doi: 10.1371/journal.pone.0055773 (SCI)
25. **Wang, C. H.**, Chang, C. C., Liang, Y. M., Shih, C. M., Muggleton, N., & Juan, C. H. (2013). Temporal preparation in athletes: A comparison of tennis players and swimmers with sedentary controls. *Journal of Motor Behavior*, 45, 55-63. doi: 10.1080/00222895.2012.740522. (SSCI)
 26. Tsai, C. L., **Wang, C. H.**, & Tseng, Y. T. (2012). Effects of exercise intervention on event-related potential and task performance indices of visuospatial attention in children with developmental coordination disorder. *Brain and Cognition*, 79, 12-22. doi: 10.1016/j.bandc.2012.02.004 (SSCI)
 27. Tsai, C. L., Pan, C. Y., **Wang, C. H.**, Tseng, Y. T., & Hsieh, K. W. (2011). An event-related potential and behavioral study of impaired inhibitory control in children with autism spectrum disorder. *Research in Autism Spectrum Disorders*, 5, 1092-1102. doi: 10.1016/j.rasd.2010.12.004. (SSCI)
 28. Tsai, C. L., Pan, C. Y., Chang, Y. K., **Wang, C. H.**, & Tseng, K. T. (2010). Deficits of visuospatial attention with reflexive orienting induced by eye-gazed cue in children with developmental coordination disorder on lower extremities: An event-related potential study. *Research in Developmental Disabilities*, 31, 642-655. doi: 10.1016/j.ridd.2010.01.003 (SSCI)

中文期刊：

國內 TSSCI 學術期刊發表論文 (TSSCI Journal Publications)：

1. 王駿濠。(Accept). 競技運動之心智解密：當代議題與未來趨勢。中華心理學刊。*(通訊作者) (MOST 103-2410-H-006-127)
2. 張哲千、許哲禕、**王駿濠***。(2018)。以事件相關電位探討網球運動員與非運動員在的動作準備能力的表現差異之神經機制。體育學報，51，59-71。*(通訊作者) (TSSCI) (MOST 103-2410-H-006-127)
3. **王駿濠**、蔡佳良。(2017)。四肢發達頭腦卻不簡單 - 運動員與認知神經功能之研究回顧與展望。體育學報，50，119-136。doi: 10.3966/102472972017095002001. (TSSCI) (Cited: 0) (MOST 103-2410-H-006-127)
4. 王心怡、**王駿濠***、阮啟弘。(2016)。網球運動經驗對動作準備歷程的影響。體育學報，49(S)，61-74。doi: 10.3966/10247297201606490S005 (TSSCI) *(通訊作者) (TSSCI) (Cited: 0) (MOST 103-2410-H-006-127)
5. 張武業、施俊名、**王駿濠**、阮啟弘。(2013)。優秀足球運動員抑制控制的特性：有氧運動能力的重要性。大專體育學刊，15(1)，40-53。(TSSCI) (Cited: 1)

6. 王駿濠、張哲千、梁衍明、邱文聲、洪蘭、曾志朗、阮啟弘。(2012)。運動對孩童認知功能及學業表現的影響：文獻回顧與展望。**教育科學研究期刊**，**57**(2)，65-94。(TSSCI) (Cited: 1) (獲得 101 年度學生優秀論文獎助)
7. 王駿濠、蔡佳良。(2011)。高活動量女性長者之視覺空間工作記憶：行為與事件相關電位之研究。**中華心理衛生學刊**，**24**(3)，345-380。(TSSCI) (Cited: 3)
8. 王駿濠、蔡佳良，涂國誠，曾鈺婷，蔡馨梅。(2010)。從事件相關電位探討羽球訓練對女大學生視覺空間工作記憶的影響。**大專體育學刊**，**12**(4)，29-43。(TSSCI) (Cited: 3)
9. 王駿濠、蔡佳良。(2009)。以運動與身體活動預防失智症：文獻回顧。**台灣公共衛生雜誌**，**28**(4)，268-277。(TSSCI) (Cited: 5)

其他著作

1. 黃鴻鈞、王駿濠。(2016)。影響排球運動要素之初探 - 認知功能的重要性。**大專體育**，137，20-30。
2. 黃舒妤、王駿濠、蔡佳良。(2015)。開放式與封閉式運動對運動員與老年人認知功能的效益。**成大體育**，47，13-22。(*通訊作者)
3. 王駿濠、蔡佳良。(2014)。腦電刺激在運動與認知神經科學之應用。**臺灣運動心理學報**，**14**(2)，1-13。doi: 10.6497/BSEPT2014,1402.01
4. 張哲千、王駿濠、阮啟弘。(2014)。健身運動對動作準備歷程的重要性。**中華體育季刊**，**28**(1)，53-62。
5. 張武業、梁衍明、王駿濠*。(2012)。運動員的腦大不同 - 以學習及大腦塑性功能的角度探討。**中華體育季刊**，**26**(3)，283-293。(*通訊作者) (Cited: 1)
6. 王駿濠、蔡佳良。(2011)。運動對改善大腦認知功能之效益評析。**應用心理研究**，**50**，191-216。(TSSCI 觀察名單) (Cited: 1)
7. 王駿濠、蔡佳良。(2011)。急性運動對認知表現的影響。**大專體育**，**112**，31-39。(Cited: 0)
8. 王駿濠、蔡佳良。(2010)。運動或身體活動介入對認知控制功能的影響。**中華體育季刊**，**24**(4)，70-81。(Cited: 0)
9. 王駿濠、蔡佳良。(2010)。運動或身體活動對作業轉換成本的影響。**大專體育**，**110**，69-75。(Cited: 0)
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研討會

1. Guo, G.W., Yang, C.T., Liang, W.K., Wang, C.H. (2019, July). *The effect of combined cognitive and exercise training on working memory performance and brain signal complexity*. The 24th Annual Congress of the European College of Sport Science (ECSS), Prague, Czech Republic. (MOST 104-2410-H-006-059)
2. Lin M., & Wang, C. H. (2019, July). *The effect of moderate aerobic exercise on cognitive learning during a dual n-back task*. The 24th Annual Congress of the European College of Sport Science (ECSS), Prague, Czech Republic. (MOST 104-2410-H-006-059)
3. Huang, S. W., Lin, C. C., Liang, C. W., Cheng, Y. C., Yang, C. T., Wang, C. H. (2019, July). *Neural correlate of processing capacity in elite soccer players*. The 24th Annual Congress of the European College of Sport Science (ECSS), Prague, Czech Republic. (MOST 105-2410-H-006-064-MY2)
4. Cheng, Y. C., Lin, C. C., Liang, C. W., Huang, H. W., Yang, C. T., & Wang, C. H. (2019, July). *The investigation into the difference in workload capacity between elite soccer players and non-player controls*. The 24th Annual Congress of the European College of Sport Science (ECSS), Prague, Czech Republic. (MOST 105-2410-H-006-064-MY2)
5. Yu, Y. T., Yang, C. T., Wang, C. H., & Hsieh, S. L. (2018, November 15-19). *ERP correlates of a flanker task with different levels of analytic-holistic cognitive style in middle-aged and elderly individuals*. 59th Annual Meeting of Psychonomic Society, New Orleans, Louisiana, USA. (MOST 106-2420-H-006-006)
6. Wang, C. H. (2018, July 4-7). *Motor expertise modulates response variability and brain signal complexity of cognitive control*. The 23th Annual Congress of the European College of Sport Science (ECSS), Dublin, Ireland. (MOST 103-2410-H-006-127)
7. Yao, Z. F., Moreau, D., Hsieh, S., Yang, C. T., Tsai, C. L., Ridderinkho, K. R., Sligte, I. G., & Wang, C. H. (2017, Dec 14-16). *Elite soccer players exhibit stronger connectivity in fronto-striatal-cerebellar network during rest*. 2017 Annual Winter Conference of Dutch Society for Psychonomic, Egmond, The Netherlands. (MOST 105-2410-H-006-064-MY2)
8. Wang, C. H., Lin, J. T., Chang, K. Y., & Lin, C. C. (2017, July 5-8). *Neural correlates of superior action anticipation during a sport-specific attentional cueing task in racket sport players*. The 22th Annual Congress of the European College of Sport Science (ECSS), Essen, Germany. (MOST 103-2410-H-006-127)
9. Lin, J. T., Chang, K. Y., Lin, C. C., Tsai, Y. Y., & Wang, C. H. (2017, July). *The effect of aerobic fitness on feature binding processing during working memory in male young adults*. The 22nd Annual Congress of the European College of Sport Science, Essen, Germany (MOST 104-2410-H-006-059)

10. Lin, C. C., Chang, K. Y., Lin, J. T., & **Wang, C. H.** (2017, July). *Neural correlates of temporal dynamics of cognitive control in badminton players*. The 22nd Annual Congress of the European College of Sport Science, Essen, Germany. (MOST 103-2410-H-006-127)
11. Chang, K. Y., Lin, J. T., Lin, C. C., Tsai, Y. Y., & **Wang, C. H.** (2017, July). *The effect of aerobic fitness on response variability and post-response conflict processing in the Stroop task*. The 22nd Annual Congress of the European College of Sport Science, Essen, Germany. (MOST 104-2410-H-006-059)
12. 林睿棠、蔡昀諺、**王駿濠**。(2016·12月)。*有氧運動對工作記憶訓練之效益*。2016 體育運動學術團體聯合年會暨學術研討會，國立宜蘭大學，宜蘭。口頭發表。(獲口頭發表優秀論文獎)。(MOST 104-2410-H-006-059)
13. **Wang, C. H.**, Sun, J. C. Y., Lin, J. T., & Tsai, Y. Y. (2016, July). *Expert-novice differences in sport-specific cueing attention: An event-related potential study*. The 21th Annual Congress of the European College of Sport Science, Vienna, Austria. (MOST 103-2410-H-006-127)
14. Tsai, C. L., **Wang, C. H.**, Tseng, Y. T, & Liu, D. (2016, July 29-31). *Atypical oscillatory EEG activity during visuospatial working memory in children with developmental coordination disorder*. 15th Asian Society for Adapted Physical Education and Exercise, Korea.
15. Sun, J. C. Y., Tu, K. C., **Wang, C. H.**, Tsai, C. L. (2016, July). *Electrophysiological correlates of skill-specific modulations of cognitive control in badminton players*. The 21th Annual Congress of the European College of Sport Science, Vienna, Austria. (MOST 103-2410-H-006-127)
16. Lin, J. T., Sun, J. C. Y., **Wang, C. H.**, & Tsai, C. L. (2016, July). *Attenuation of oscillatory alpha activity during working memory maintenance in children with poor motor coordination*. The 21th Annual Congress of the European College of Sport Science, Vienna, Austria.
17. **Wang, C. L.**, Tsai, Y. Y., Tu, K. C. & Sun, J. C. Y. (2016, Jan). *Expert-novice differences in a sport-specific attention orienting task*. 2016 Inaugural Meeting of Taiwan Cognitive Neuroscience Society, Taipei, Taiwan, January. (poster presentation) (MOST 103-2410-H-006-127)
18. 孫正昀、涂國誠、**王駿濠**、蔡佳良。(2015·12月)。*大專羽球選手之認知與神經功能表現—行為事件相關電位研究*。2015 體育運動學術團體聯合年會暨學術研討會，國立台灣體育運動大學，台中。口頭發表。(MOST 103-2410-H-006-127)
19. Tsai, C. L., **Wang, C. H.**, Pan, C. Y., Chen, F. C., Lo, Y. H., & Liang, W. K. (2015, July, 2-4). *Deficits of visuospatial attention with reflexive orienting in children with developmental coordination disorder: A time-frequency EEG study*. The 11th International Conference on Developmental Coordination Disorder, Toulouse, France.
20. **Wang, C. L.**, Tsai, C. L., Sun, J. C. Y., & Liu, D. (2015, June, 24-27). *The relationship between physical activity and visuo-spatial cognitive function in*

- elderly adults: An event-related potential study*. The 20th Annual Congress of the European College of Sport Science, Malmö, Sweden.
21. Sun, J. C. Y., **Wang, C. H.**, Tsai, C. L., Shih, C. M., & Liu, D. (2015, June, 24-27). *The relationship between aerobic fitness and cognitive performance: Role of brain potentials*. The 20th Annual Congress of the European College of Sport Science, Malmö, Sweden.
 22. **Wang, C. H.**, Tsai, C. L., Tseng, P., Liang, W. K., Yang, A. C., Lo, M. T., Peng, C. K., Muggleton, N. G., & Juan, C. H. (2014). *The effect of physical activity on brain signal complexity associated with visuo-spatial processing in healthy elderly adults*. The 17th Attention & Perception Conference, Chiayi, Taiwan, June. (oral presentation)
 23. Tsai, C. L., **Wang, C. H.**, Pan, C. Y., Chen, F. C. & Huang T. H. (2014). *The Impact of Resistance Exercise on the Cognitive Function in Older Adults*. *ACSM's 61th Annual Meeting*, Orlando, Florida, USA. (Abstract published on *SCI Journal Medicine and Science in Sport and Exercise*).
 24. Huang, S. W., Chou, F. Y., Tsai, C. L., Pan, C. Y., & **Wang, C. H.** (2014, May 27-31). *Effect of acute exercise and cardiorespiratory fitness on BDNF and task switching performance in adults*. *ACSM's 61th Annual Meeting*, Orlando, Florida, USA. (Abstract published on *SCI Journal Medicine and Science in Sport and Exercise*).
 25. Huang, S. Y., Tsai, C. L., **Wang, C. H.**, Pan, C. Y., Chen, F. C., & Huang, T. H. (2014, May 27-31). *Effects of acute aerobic exercise on BDNF and cognitive performance in lower-and higher-fit adults*. *ACSM's 61th Annual Meeting*, Orlando, Florida, USA. (Abstract published on *SCI Journal Medicine and Science in Sport and Exercise*).
 26. **王駿濠**、蔡佳良、黃詩文、黃舒妤、梁偉光、曾祥非、馬杰仁、阮啟弘 (2013)。有**氧適能對年輕男性成人的視覺空間注意力與神經振盪的影響**。2013 體育運動學術團體聯合年會暨學術研討會，Taoyuan, Taiwan, December.
 27. 黃舒妤、**王駿濠**、蔡佳良、黃詩文、梁偉光、曾祥非、馬杰仁、阮啟弘 (2013)。以多尺度熵分析方法探討身體活動量對老年人的視覺空間認知功能與腦波訊號複雜度之影響。2013 體育運動學術團體聯合年會暨學術研討會，Taoyuan, Taiwan, December.
 28. **Chun-Hao Wang**, Che-Chien Chang, Yen-Ming Liang, Chun-Ming Shih, Philip Tseng, Daisy L. Hung Ovid J.L. Tzeng, Neil G. Muggleton, Chi-Hung Juan (2013). *Sport Categories differentially modulate inhibitory control*. 2013 Inaugural Meeting of Taiwan Cognitive Neuroscience Society, Taipei, Taiwan, January. (poster presentation).
 29. **王駿濠**、蔡佳良、梁偉光、施俊名、馬杰仁、阮啟弘 (2012)。以時頻分析探討女性羽球運動員與非運動員在視覺空間注意力及工作記憶表現差異。2012 體育運動學術團體聯合年會暨學術研討會，Taipei, Taiwan, December. (海報發表)

30. **Wang, C. H.**, Shih, C. M., Chang, W. Y, Hung, D. L., Tzeng, O.J.L., Muggleton, N. G., & Juan, C. H. (2012). *Aerobic Fitness Mediates the Difference in Inhibitory Control between Elite Athletes and Non-athletes*. The 16th Attention & Perception Conference, Chiayi, Taiwan, June. (oral presentation)
31. **王駿濠**、張哲千、梁衍明、邱文聲、施俊名、洪蘭、曾志朗、阮啟弘 (2011)。較短的準備歷程促使網球選手在時間向度的認知處理力較佳。The 50th Annual Meeting of Taiwan Psychology Society, Taichung, Taiwan. October. (海報發表)
32. **王駿濠**、張哲千、梁衍明、邱文聲、施俊名、洪蘭、曾志朗、阮啟弘 (2011)。網球運動與準備歷程及認知表現的關係。2011 體育運動學術團體聯合年會暨學術研討會，Taipei, Taiwan, December. (口頭發表)
33. 張哲千、邱文聲、梁衍明、**王駿濠**、施俊名、洪蘭、曾志朗、阮啟弘 (2011)。不同身體活動量的大學生在抑制功能的表現差異。2011 體育運動學術團體聯合年會暨學術研討會，Taipei, Taiwan, December. (海報發表)
34. 梁衍明、邱文聲、張哲千、王靜秀、**王駿濠**、施俊名、洪蘭、曾志朗、阮啟弘 (2011)。短期高強度游泳訓練對大學生在注意力網路功能能力影響。2011 體育運動學術團體聯合年會暨學術研討會，Taipei, Taiwan, December. (海報發表)
35. Tsai, C. L., **Wang, C. H.**, & Tseng, Y. T. (2011, June 23-25). *An event-related potential study on the ventral attention network of DCD under soccer exercise intervention*. The 9th Developmental Coordination Disorder International Conference, Lausanne, Switzerland. (poster)
36. Tsai, C. L., Pan, C. Y., **Wang, C. H.**, Tseng, Y. T., & Hsieh, K. W. (2011, May 31-June 4). *Effectiveness of exercise intervention on inhibitory response in children with developmental coordination disorder*. ACSM's 58th Annual Meeting, Denver, Colorado, USA. (poster)
37. Tseng, Y. T., Tsai, C. L., Pan, C. Y, Chen, C. Y., & **Wang, C. H.** (2011, May 31-June 4). *Electrophysiological performance on visuo-spatial attention task between older adults with different levels of physical activity*. ACSM's 58th Annual Meeting, Denver, Colorado, USA. (oral presentation)
38. **Wang, C. H.**, Tsai, C. L., Juan, C. H. (2010, Oct 22-24). *The relationship of engaging open skill sport to cognitive and motor performance in elderly adults during spatial working memory task*. 2010 Frontiers in Neuroscience from Genes to cognition. National Yang Ming University, Taipei. (poster)
39. **王駿濠**、蔡佳良、曾科達、潘倩玉、曾鈺婷。(2010·6月)。從大腦電生理的角度探討開放性運動參與對老年人執行控制功能的影響。台灣運動生理暨體能領域學術研討會。台灣師範大學，台北。口頭發表。

40. 曾鈺婷、蔡佳良、王駿濠、陳振裕。(2010·6月)。不同身體活動量男性老年人執行視覺空間注意力之認知電生理表現。台灣運動生理暨體能領域學術研討會。台灣師範大學，台北。海報發表。(獲本屆海報發表優秀論文獎)
41. Wang, C. H., Tsai, C. L., & Juan, C. H. (2010, Oct 4-22). *The effects of engaging in table tennis on visuo-spatial working memory in elderly adults: An event-related potential study*. International e-Conference on Kinesiology and Integrated Physiology. (Abstract published on *International Journal of Exercise Science*, 5(1), S49-S50). (poster)
42. Tsai, C. L., Wang, C. H., Pan, C. Y., Tseng, K. D., & Tseng, Y. T. (2010, June 1-5). *Automatic attention orienting by eye-gazed cues in children with DCD: A cognitive psycho-physiological study*. ACSM's 57th Annual Meeting, Baltimore, Maryland, USA. (Abstract published on *SCI Journal Medicine and Science in Sports and Exercise*, 42(5), S465). (poster)
43. Wang, C. H., Tseng, K. D., Tsai, C. L., Pan, C. Y. (2010, June 1-5). *Electrophysiological performance on spatial working memory task between high and low physically active elderly adults*. ACSM's 57th Annual Meeting, Baltimore, Maryland, USA. (Abstract published on *SCI Journal Medicine and Science in Sports and Exercise*, 42(5), S466). (poster)
44. Tseng, Y. T., Tsai, C. L., Wang, C. H., Pan, C. Y., & Hsieh, K. W. (2010, June 1-5). *Deficits in the exogenous control of covert visuospatial attention in children with poor motor coordination*. ACSM's 57th Annual Meeting, Baltimore, Maryland, USA. (Abstract published on *SCI Journal Medicine and Science in Sports and Exercise*, 42(5), S302). (poster)
45. Chen, C. Y., Wang, C. H., Tseng, K. D., & Tsai, C. L. (2010, June 1-5). *The difference of executive function between the older adults with different levels of physical activity*. ACSM's 57th Annual Meeting, Baltimore, Maryland, USA. (Abstract published on *SCI Journal Medicine and Science in Sports and Exercise*, 42(5), S519).
46. 王駿濠、蔡佳良。(2009·10月)。不同活動量的停經後老年婦女在視覺空間工作記憶的表現。2009 國際運動心理學學術研討會。台灣師範大學。□頭發表。
47. Wang, C. H., & Tsai, C. L. (2009, June 23-26). *Automatic attention orienting by social cues in children with developmental coordination disorder*. The 8th Developmental Coordination Disorder International Conference, Baltimore, USA. (poster)
48. Tsai, C. L. & Wang, C. H. (2009, June 23-26). The effectiveness of exercise intervention on inhibitory response capacity in children with developmental coordination disorder. The 8th Developmental Coordination Disorder International Conference, Baltimore, USA. (poster)

研究計畫

108/02/01~110/07/31 科技部人文司自由型擴充加值(add-on)國際合作研究計畫

- (三年期)· 主持人。認知熱身運動對知覺決策、複雜度與運動表現關係之探討。計畫編號：**MOST 107-2410-H-006-097-MY3**。(\$420,000)
- 107/08/01~110/07/31 科技部人文司專案研究(三年期)· 主持人。從實驗室至現場：運動員知覺決策、複雜度與運動表現關係之探討。計畫編號：**MOST 107-2410-H-006-097-MY3**。(\$2,611,000)
- 106/01/01~106/12/31 科技部人文司專案研究(兩年期)· 主持人。探討認知風格與認知處理容量間的關係及其神經基礎 - 以認知風格與認知處理容量觀點探討不同運動型態運動員之個別差異。計畫編號：**MOST 106-2420-H-006-006**。(\$1,229,000)
- 105/08/01~107/07/31 科技部人文司專案研究(兩年期)· 主持人。利用系統多因子技術與神經振盪探討運動員的工作處理容量。計畫編號：**MOST 105-2410-H-006-064-MY2**。(\$1,734,000)
- 104/08/01~105/07/31 科技部人文司專案研究· 主持人。以腦波訊號複雜度探討運動對工作記憶的訓練及轉移效果的影響。計畫編號：**MOST 104-2410-H-006-059**。(\$783,000)
- 104/01/01~106/12/31 科技部人文司專案研究(兩年期)· 共同主持人。利用功能性磁造影探討運動行為對認知控制調節的神經機制與其可能之應用。計畫編號：**MOST 104-2420-H-008-MY2**。(\$2,857,000)
- 103/12/01~104/08/31 科技部人文司專案研究· 主持人。以認知電生理方法探討運動員與非運動員在具運動特殊性及基礎認知功能的差異。計畫編號：**MOST 103-2410-H-006-127**。(\$489,000)

其他計畫：

- 108/01/01~108/12/31 高雄榮民總醫院專案計畫· 共同主持人。探討輕度腦中風患者認知與手部精細動作雙重任務的表。計畫編號：**VGHKS108-034**。(\$119,629)
- 104/01/01~104/12/31 成功大學研發處專案計畫· 共同主持人。體育室新設運動傷害防護至及運動傷害志工培訓方案。(\$200,000)

學生指導

一、已畢業—碩士班：

1. 105 級；孫正昀；以行為及事件相關電位探討運動型態與認知作業型態的關聯性
2. 106 級；林睿棠；有氧適能對年輕男性在特徵連結工作記憶的影響
3. 107 級；林芷鈞；優秀足球運動員與非運動員在工作負荷容量差異之探討
4. 109 級；鄭詠誠；利用系統多因子技術探討優秀排球選手在選擇性注意力下的決策機制
5. 109 級；黃湘雯；高齡者方塊踏步運動表現與工作記憶及下肢功能性體適能的關聯性
6. 110 級；鄭民輝；動作複雜度對協調性運動在認知控制的影響之調節效果探討
7. 111 級；董婉成；孩童足球選手的認知彈性、創造力、體適能、訓練經驗與運動表現關聯性之探討
8. 112 級；王俊傑；從實驗室到現場-認知挑戰對團隊運動員的敏捷表現之影響
9. 112 級；黃儀；優秀桌球選手在決策歷程與事件相關電位之探討
10. 113 級；李宗濤；不同熱身模式對青少年足球選手的急性認知效益之探討
11. 113 級；賴侑和；青少年足球運動員的創造力、認知彈性、身體適能與專項運動表現之關聯性
12. 114 級；林冠宏；肝癌患者之認知神經功能、身體功能與健康相關生活品質關聯之探討

二、已畢業—碩士在職專班：

1. 107 級；王瀚以；臺日之國民中學體育領域課程綱要之比較
2. 107 級；李高偉；2018 臺東普悠瑪鐵人三項賽事參與動機與滿意度之研究
3. 108 級；林 敏；探討腦中風患者在認知與上肢動作之雙重任務的表現
4. 109 級；謝宗益；身體組成與生理指標與空軍飛行學生 G 耐受力表現關係之探討
5. 109 級；蘇伯偉；專項動態熱身對於足球專項運動表現效益之探討

6. 110 級；何銘哲；下肢肌力對高齡者動作準備能力及跌倒風險之影響
7. 111 級；謝瑋俐；從實驗室到現場——跆拳道選手在抑制控制與技能表現關聯之探討
8. 111 級；邱英哲；影響通過某特戰部隊篩選訓練之心生理因素探討
9. 112 級；張嘉恩；不同運動型態青少年運動員在訊息處理架構差異之探討
10. 112 級；曾柏翰；教練評估系統與孩童足球運動員表現因素關聯之探討:以東門城足球俱樂部為例
11. 113 級；施俊宇；低差點高爾夫選手軀幹與手部動作對短桿表現之影響
12. 114 級；王柏元；孩童足球選手體適能、認知功能與專項技術表現與比賽勝負結果之關聯研究

三、在學中：

1. 114 級；陳○博(碩專)
2. 114 級；黃○嘉(碩專)
3. 115 級；鄭○濱
4. 115 級；李○翔
5. 115 級；莊○伍(碩專)
6. 115 級；林○妮(碩專)
7. 116 級；劉○芸
8. 116 級；蘇○茹(碩專)
9. 116 級；林○妤(碩專)