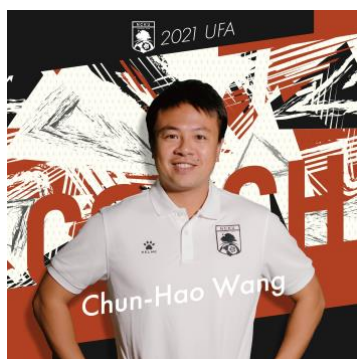


## 教師個人資料



姓名	王駿濠
職稱	副教授
任職單位	體育健康與休閒研究所
合聘單位	體育室；心理學系
校內分機	分機 81833
電子郵件	kesawloq@gmail.com
Office Hours	Tuesday 13:00~17:00
到職年月	103 年 8 月
現職年月	111 年 8 月

## 學歷

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

1. 健身與競技運動心理學
2. 運動心生理學
3. 運動生理學
4. 足球
5. 田徑
6. 體能訓練

## 研究方向

1. 競技／健身運動行為與認知控制
2. 身體活動與老年認知電生理
3. 運動與認知整合訓練之神經機制

## 體育課教授課程

大一體育	體育 (一)、足球與健康體適能、健訓與健康體適能
專項體育	足球 (男)、足球 (女)、健訓 (男)
不分系之運動科學與科技應用微學程	認知科學原理運用於運動訓練之實務應用

## 研究所教授課程

必修課程	運動生理學(含實驗)、教育統計與電腦應用、體育健康與休閒研究法、專題討論
核心課程	運動健康心理學
跨域課程	運動健康管理與認知行為科學專題研究、運動訓練法、運動處方專題研究
通識課程	心理學

## 校／內外服務經歷

### A. 個人經歷

1. 國立成功大學體育健康與休閒研究所 副教授 (108.02~迄今)

2. 國立成功大學體育健康與休閒研究所 助理教授 (103.08~108.02)
3. 國立中央大學認知神經科學研究所 研究助理 (99.08~102.7)
4. 國立成功大學體育健康與休閒研究所 研究助理 (97.08~99.6)

#### B. 所內服務工作

1. 碩士班導師 (112 級)
2. 碩專班導師 (107 級)
3. 碩士班導師 (105 級)
4. 課程規劃委員會委員 (103~迄今)
5. 研究規劃委員會委員 (103~迄今)
6. 課程規劃委員召集人 (108~109)

#### C. 校外行政工作

1. 臺灣運動心理學會理事 (2020~迄今)
2. Associated Editor, International Journal of Sport Psychology (SSCI) (2020 ~ present)
3. Review Editor, Frontiers in Integrative Neuroscience (SCI) (2019~ present)
4. 領域編輯-中華體育季刊 (TSSCI) (2020 ~ present)

#### D. 校內行政工作

1. 110 管理學院 65 週年院慶籌備委員
2. 交通安全教育委員 (103, 106, 108)
3. 校級薦外交換學生計畫甄選委員 (108, 110)
4. 教務處體育室教學兼活動組長 (107~迄今)
5. 教務處體育室教學組長 (106)
6. 體健休所入學考試命題委員 (105)
7. 成功大學之本所校務會議代表 (106)
8. 成功大學體育資優生之足球項目考試委員 (104~迄今)
9. 成大足球校代隊總教練 (2014~迄今)
10. 成大體育學刊分科及審查委員 (科技部評比第三級期刊) (104~迄今)
11. 教務處體育室活動規劃委員 (103, 104, 105, 106, 107, 108)
12. 教務處體育室教學規劃委員(103, 104, 105, 106, 107, 108, 109, 110)
13. 教務處體育室場地規劃委員 (103, 104, 105, 106, 107)

#### D. 專業服務工作

1. 110 全國大專運動會之活動群組 執行秘書
2. 臺南市 108 年度約聘專任運動教練委員試教評審委員
3. Heart Foundation Research Grant Application 2018 計畫審查委員
4. NIE Academic Research Fund (AcRF) 2017 Grant Call 計畫審查委員
5. 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
6. 臺南市 105 年度市立學校專任教練聯合甄選命題委員
7. 105 年度台電應聘足球員筆試命題委員
8. 科技部專題研究計畫審查委員

9. 科技部大專生專題研究計畫審查委員
10. 科技部大專生專題研究計畫創作獎審查委員
11. 110 年獎勵博士候選人撰寫博士論文之申請案
12. SSCI 期刊 Trends in Cognitive Sciences (Reviewer)
13. SSCI 期刊 Nature Human Behaviour (Reviewer)
14. SCI 期刊 NeuroImage (Reviewer)
15. SCI 期刊 Exercise and Sport Sciences Reviews (Reviewer)
16. SCI 期刊 Medicine & Science in Sport & Exercise (Reviewer)
17. SSCI期刊 Child Development (Reviewer)
18. SSCI期刊 Psychophysiology (Reviewer)
19. SCI 期刊 Brain Research (Reviewer)
20. SCI期刊 Frontiers in Aging Neuroscience (Reviewer)
21. SCI 期刊 Frontiers in Human Neuroscience (Reviewer)
22. SCI期刊 Frontiers in Psychology (Reviewer)
23. SSCI期刊 Brain and Cognition (Reviewer)
24. SCI 期刊 Neuroscience Letter (Reviewer)
25. SCI期刊 European Journal of Sport Science (Reviewer)
26. SCI期刊 Scientific Reports (Reviewer)
27. SSCI期刊 International Journal of Psychophysiology (Reviewer)
28. SSCI期刊 Psychology of Sport and Exercise (Reviewer)
29. SSCI期刊 Journal of Sport and Exercise Psychology (Reviewer)
30. SCI期刊 Journal of Sport Science (Reviewer)
31. SCI期刊 PeerJ (Reviewer)
32. SSCI期刊 Acta Psychologica (Reviewer)
33. SSCI期刊 Journal of Sport and Health Science (Reviewer)
34. SSCI期刊 Journal of Motor Behavior (Reviewer)
35. SSCI期刊 International Journal of Sport Psychology (Reviewer)
36. SSCI期刊 International Journal of Sport and Exercise Psychology (Reviewer)
37. TSSCI 期刊中華心理學刊論文審查者
38. TSSCI期刊教育心理學報論文審查者
39. TSSCI 期刊大專體育學刊論文審查者
40. TSSCI 體育學報期刊論文審查者
41. TSSCI 臺灣運動心理學報論文審查者
42. TSSCI 中華體育季刊論文審查者
43. 性學研究期刊論文審查者
44. 運動研究期刊論文審查者
45. 成大體育學刊論文審查者
46. 全國體育運動學術團體聯合會暨學術研討會審查者

47. 臺灣認知神經科學學會暨研討會論文摘要審查委員
48. 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)
49. 台南市體育志工培訓研習會專業培訓課程講師 (2015.09~迄今)
50. C 級保齡球教練之運動科學課程講師 (2014.08.11)
51. C 級卡巴迪教練研習之運動心理學課程講師 (2014.09.27)

## 榮 譽

1. 110 年度運動科學研究發展佳作獎勵
2. 109 當選臺南市蚵寮國小教育類傑出校友。
3. 108 年度運動科學研究發展甲等獎勵
4. 108 年度指導獲大專學生研究計畫研究創作獎 (執行計畫學生：心理學系-傅皓倫)
5. 106 年度獲成功大學卓越學術研究獎勵
6. 103 年度獲得科技部人文處補助大專校院延攬特殊優秀人才補助
7. 102 年度第二學期行天宮資優學生持續培育專案
8. 102 年度第一學期行天宮資優學生長期培育專案
9. 102 年度獲陽明大學優秀論文獎助(優等)
10. 101 年度獲陽明大學優秀論文獎助(甲種)
11. 99 年成功大學斐陶斐榮譽會員
12. 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
13. 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
14. 97 年成功大學獲得新生盃田徑賽 MVP (金牌\*5、銅牌\*1)
15. 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
16. 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
17. 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

## 著 作

### A. 國際 SCI & SSCI 學術期刊發表論文 (SCI & SSCI Journal Publications) ([google scholar](#)) :

1. Kao, S. C., Baumgartner, N., Nagy, C., Fu, H. L., Yang, C. T., & **Wang, C. H.** (2022). Acute effects of aerobic exercise on conflict suppression, response inhibition, and processing efficiency underlying inhibitory control processes: An ERP and SFT study. *Psychophysiology*. doi: 10.1111/psyp.14032. (MOST 107-2410-H-006 -097 -MY3)
2. Kao, S. C., **Wang, C. H.**, Kamijo, K., Khan, N., & Hillman, C. H. (2021). Acute effects of highly intense interval and moderate continuous exercise on the modulation of neural oscillation during working memory. *International Journal of Psychophysiology*, 160, 10-17. doi: <https://doi.org/10.1016/j.ijpsycho.2020.12.003>
3. **Wang, C. H.\***, Lin, C. C., Moreau, D., Yang, C. T., & Liang, W. K. (2020). Neural correlates of cognitive processing capacity in elite soccer players. *Biological Psychology*, 157, 107971. doi: <https://doi.org/10.1016/j.biopsycho.2020.107971>.  
(\*Corresponding Author) (SSCI/SCI) (MOST 105-2410-H-006-064-MY2) (獲110年度運動科學研究發展佳作獎勵)
4. Yao, Z. F., Sligte, I. G., Moreau, D., Hsieh, S., Yang, C. T., Ridderinkhof, R. R., Muggleton, N., & **Wang, C. H.\*** (2020). The brains of elite soccer players are subject to experience-dependent alterations in white matter connectivity, *Cortex*, 132, 79-91. doi: <https://doi.org/10.1016/j.cortex.2020.07.016>. (\*Corresponding Author) (SSCI/SCI) (MOST 106-2420-H-006-006)
5. Hsieh, S., Yao, Z. F., Yang, M. H., Yang, C. T., & **Wang, C. H.** (2020). Diffusion tensor imaging revealing the relation of age-related differences in the corpus callosum with cognitive style. *Frontiers in Human Neuroscience*, 14, 285. doi: <https://doi.org/10.3389/fnhum.2020.00285>. (SCI) (MOST 106-2420-H-006-006)
6. **Wang, C. H.\*** (2020). The cognitive gains of exercise. *Nature Human Behaviour*, 4, 565-566. doi: <https://doi.org/10.1038/s41562-020-0856-3>. (\*Corresponding Author) (SSCI/SCI)

7. Kao S. C., **Wang, C. H.**, & Hillman, C. H. (2020). Acute effects of aerobic exercise on response variability and neuroelectric indices during a serial n-back task. *Brain and Cognition*, 138, 105505. doi: <https://doi.org/10.1016/j.bandc.2019.105508> (SSCI)
8. **Wang, C. H.**,\* Liang, W. K., & Moreau, D. (2020). Differential modulation of brain signal variability during cognitive control in athletes with different domains of expertise. *Neuroscience*, 425, 267 – 279. doi: <https://doi.org/10.1016/j.neuroscience.2019.11.003>. (\*Corresponding Author) (SCI) (MOST 103-2410-H-006-127)
9. Hsieh S., Yu, Y. T., Chen, E. H. Yang, C. T., & **Wang, C. H.** (2020). ERP correlates of a flanker task with varying levels of analytic-holistic cognitive style. *Personality and Individual Differences*, 153, 109673. doi: <https://doi.org/10.1016/j.paid.2019.109673>. (SCI) (MOST 106-2420-H-006-006)
10. Yang, C. T., Hsieh, S., Yu, Y. T., Hsieh, C. J., Fific, M., & **Wang, C. H.** (2019). An examination of age-related differences in attentional control by system factorial technology. *Journal of Mathematical Psychology*, 92, 102280. doi: <https://doi.org/10.1016/j.jmp.2019.102280> (SSCI) (MOST 106-2420-H-006-006)
11. **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)
12. **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)
13. 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>
14. **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)
15. **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)
16. **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](https://doi.org/10.1016/j.neuroimage.2017.07.009). (\*Corresponding author) (SCI) (MOST 103-2410-H-006-127) (獲108年度運動科學研究發展甲等獎勵; 獲國立成功大學卓越學術研究獎勵)
17. **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) (獲國立成功大學卓越學術研究獎勵)
18. **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)
19. **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)
20. 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)
21. 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)

22. **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)
23. **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) (獲國立成功大學卓越學術研究獎勵)
24. **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)
25. 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)
26. 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)
27. **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)
28. 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)
29. 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)
30. 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)
31. **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)
32. **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)
33. 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)
34. 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)
35. 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)

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

1. **王駿濠**、陳詠儒、王信凱、周建智。(2022)。從腦與認知科學觀點探討體育課的價值與應用。*體育學報*。(TSSCI)。

2. 鄭明輝、彭怡千、王駿濠\*。(2022)。左手收縮對注意力與運動表現之影響。**臺灣運動心理學報**，22，59-80。DOI: 10.6497/BSEPT.202203\_22(1).0004. \*(通訊作者) (TSSCI)(MOST 110-2628-H-006 -004 -MY3)
3. 周建智、盧俊宏、王駿濠\*。(2022)。課後益智動作遊戲對超重兒童在視覺選擇性注意力、健康體適能與學科表現的影響。**體育學報**，55，81-104。doi:10.6222/pej.202203\_55(1).0006. \*(通訊作者) (TSSCI)
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6. 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)
7. 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)
8. 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)
9. 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)
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12. 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)
13. 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)

#### C. 其他中文學術期刊發表論文 (Other Local Chinese Journal Publications) :

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2. 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。
3. 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)
4. 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
5. 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。
6. 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)
7. 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。
8. 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。
9. 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。
10. 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。
11. 王駿濠、蔡佳良。(2009)。不同身體活動量老年人執行工作記憶情境下的認知電生理表現。**大專體育**，105，121-128。(Cited: 3)
12. 王駿濠、蔡佳良。(2009)。運動介入對老年人認知神經生理功能的影響。**大專體育**，102，181-188。

#### D. 學術會議發表論文 (International Conferences) :

1. Fu, H. L., Kao, S. C., Moreau, D., Yang, C. T., & **Wang, C. H.** (2020, November). *Exercise enrichment modulates neural oscillations associated with cognitive control*. 中華民國體育學會與臺灣運動心理學會聯合專題會，國立臺灣師範大學。口頭發表。(MOST 107-2410-H-006-097-MY3)
2. 鄭民輝、傅皓倫、董佩成、黃湘雯、鄭詠程、**王駿濠**。(2020, November)。單次不同運動模式對注意力與動作準備歷程之影響。中華民國體育學會與臺灣運動心理學會聯合專題會，國立臺灣師範大學。口頭發表。(MOST 107-2410-H-006-097-MY3)(獲佳作獎)
3. 何銘哲、黃湘雯、高士竣、**王駿濠**。(2020, November)。老年人方塊踏步表現與認知功能及功能性體適能關係之探討。中華民國體育學會與臺灣運動心理學會聯合專題會，國立臺灣師範大學。口頭發表。(MOST 107-2410-H-006-097-MY3)
4. 謝宗益、張佳雯、賴重宇、林信宏、**王駿濠**。(2020, November)。生理指標與空軍飛行學生 G 耐受力表現關係之探討。中華民國體育學會與臺灣運動心理學會聯合專題會，國立臺灣師範大學。口頭發表。
5. **Wang, C. H.**, & Liang, C. W. (2020, October). *Team sports expertise modulates neural activity during perceptual decision making*. The 25th Annual Congress of the European College of Sport Science (ECSS), Virtual Conference. (MOST 105-2410-H-006-064-MY2).
6. Fu, H. L., Yang, C. T., & Wang, C. H. (2020, October). *Aerobic fitness level modulates workload capacity for faster decisions in young adults*. The 25th Annual Congress of the European College of Sport Science (ECSS), Virtual Conference. (MOST 105-2410-H-006-064-MY2).
7. Chen, Y. L., Cheng, C. T., Huang, H. C., Lin, H. C., Yang, C. T., & **Wang, C. H.** (2020, October). *System factorial technology provides new insights on the decisional mechanisms underlying selective attention processes in elite volleyball players*. The 25th Annual Congress of the European College of Sport Science (ECSS). (MOST 105-2410-H-006-064-MY2)
8. Kao, S. C., **Wang, C. H.**, & Hillman, C. H. (2020, March). *Acute bouts of intense interval and moderate continuous exercise alter neural oscillation during working memory*. Cognitive Neuroscience Society Annual Meeting, Boston MA, USA.
9. 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)
10. 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)
11. 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)
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13. Guo, G. W., Yang, C. T., Liang, W. K., & **Wang, C. H.** (2019, May). *The effect of multimodal training on neural adaptability during working memory processes*. 臺灣身體活動與運動科學國際學術研討會，國立中興大學。口頭發表。(MOST 104-2410-H-006-059)
14. Lin, M., & **Wang, C. H.** (2019, May). *The effect of concurrent cognitive processing on upper-extremity performance in patients with mild stroke – A pilot study*. 臺灣身體活動與運動科學國際學術研討會，國立中興大學。口頭發表。
15. 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*. 59<sup>th</sup> Annual Meeting of Psychonomic Society, New Orleans, Louisiana, USA. (MOST 106-2420-H-006-006)
16. **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)



17. 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)
18. **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)
19. 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 22<sup>nd</sup> Annual Congress of the European College of Sport Science, Essen, Germany (MOST 104-2410-H-006-059)
20. 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 22<sup>nd</sup> Annual Congress of the European College of Sport Science, Essen, Germany. (MOST 103-2410-H-006-127)
21. 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 22<sup>nd</sup> Annual Congress of the European College of Sport Science, Essen, Germany. (MOST 104-2410-H-006-059)
22. 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)
23. **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 21<sup>th</sup> Annual Congress of the European College of Sport Science, Vienna, Austria. (MOST 103-2410-H-006-127)
24. 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.
25. 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 21<sup>th</sup> Annual Congress of the European College of Sport Science, Vienna, Austria. (MOST 103-2410-H-006-127)
26. 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 21<sup>th</sup> Annual Congress of the European College of Sport Science, Vienna, Austria.
27. **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)
28. 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一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)
29. 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.
30. **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 20<sup>th</sup> Annual Congress of the European College of Sport Science, Malmö, Sweden.
31. 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 20<sup>th</sup> Annual Congress of the European College of Sport Science, Malmö, Sweden.

32. **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 17<sup>th</sup> Attention & Perception Conference, Chiayi, Taiwan, June. (oral presentation)
33. 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*).
34. 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*).
35. 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*).
36. **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.
37. 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.
38. **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).
39. **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)
40. **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 16<sup>th</sup> Attention & Perception Conference, Chiayi, Taiwan, June. (oral presentation)
41. **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)
42. **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)
43. 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)
44. 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)
45. 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)
46. 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)
47. 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)

48. **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)
49. **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。
50. 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)
51. **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)
52. 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)
53. **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)
54. 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)
55. 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).
56. **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。口頭發表。
57. **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)
58. 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)

F. 其它學術著作(Other Publications): :

(查無資料)

G. 專書及專書論文:

專案研究

年度	計畫名稱
110/08/01~113/07/31	科技部人文司專案研究(三年期)， <b>主持人</b> 。從個人到團體決策：運動員決策機制與神經基礎之研究。計畫編號： <b>MOST 110-2628-H-006-004-MY3</b> 。 總核定金額：3,394,000 元。
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)， <b>主持人</b> 。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： <b>MOST 107-2410-H-006-097-MY3</b> 。 總核定金額：420,000 元。

107/08/01~110/07/31	科技部人文司專案研究(三年期)， <u>主持人</u> 。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： <b>MOST 107-2410-H-006-097-MY3</b> 。 總核定金額：2,611,000 元。
106/01/01~106/12/31	科技部人文司專案研究(兩年期)， <u>主持人</u> 。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： <b>MOST 106-2420-H-006-006</b> 。 總核定金額：1,229,000 元。
105/08/01~107/07/31	科技部人文司專案研究(兩年期)， <u>主持人</u> 。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： <b>MOST 105-2410-H-006-064-MY2</b> 。 總核定金額：1,734,000 元。
104/08/01~105/07/31	科技部人文司專案研究， <u>主持人</u> 。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： <b>MOST 104-2410-H-006-059</b> 。 總核定金額：783,000 元。
104/01/01~106/12/31	科技部人文司專案研究(兩年期)， <u>共同主持人</u> 。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： <b>MOST 104-2420-H-008-MY2</b> 。 總核定金額：2,857,000 元。
103/12/01~104/08/31	科技部人文司專案研究， <u>主持人</u> 。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： <b>MOST 103-2410-H-006-127</b> 。 總核定金額：489,000 元。
<b>其它專案研究</b>	
年度	計畫名稱
110/08/01~111/07/31	教學實踐計畫， <u>主持人</u> 。認知科學原理運用於體育課程之跨域教學研究。計畫編號：PGE1101361。 總核定金額：208,000 元。
108/01/01~108/12/31	高雄榮民總醫院專案計畫， <u>共同主持人</u> 。探討輕度腦中風患者認知與手部精細動作雙重任務的表現。計畫編號:VGHKS108-034。 總核定金核：119,629 元。
104/01/01~104/12/31	成功大學研發處專案計畫， <u>共同主持人</u> 。體育室新設運動傷害防護至及運動傷害志工培訓方案。 總核定金核：200,000 元。