

## 教師個人基本資料

蔡佳良 

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到職年月：94年8月

現職年月：104年8月



### 學歷

學校	系所	學位
國立體育學院體育研究所	運動保健組	博士

### 專長領域

認知神經科學、適應體育運動學、運動生理學、羽球、游泳、扯鈴、田徑

### 研究方向

認知神經科學、運動生理學、運動醫學、運動科技產品研發

### 校內外服務

- 國立成功大學特聘教授(2015-迄今)
- 國立成功大學教授(2012-迄今)
- 國立成功大學副教授(2008-2012)
- 國立成功大學助理教授(2005-2008)
- 國立成功大學管理學院體育健康與休閒研究所所長(106.08-109.07)
- 國立成功大學體育室主任(106.08-108.01)
- SCI 期刊 Mental Health and Physical Activity (Psychiatry category)副主編 (Associate Editor)(2024.07-迄今)
- SCI 期刊 Mental Health and Physical Activity (Psychiatry category)編輯委員 (Editor)(2023.10-迄今)
- SCI 期刊 Current Alzheimer Research (I.F.=3.498, Clinical Neurology category)編輯委員(Editor)(2019.03-迄今)

- SCI 期刊 Frontiers in Behavioral Neuroscience (I.F.=3.558, Neurosciences category) Pathological Conditions section 副主編(Associate Editor)(2021.02-迄今)
- SCI 期刊 Human Movement Science (Sport Sciences category)編輯委員(Editor)(2024.07-迄今)
- SCI 期刊 Journal of Exercise Science & Fitness (I.F.=3.103, Sport Sciences category)編輯委員(Editor)(2021.07-迄今)
- SCI 期刊 Frontiers in Behavioral Neuroscience (I.F.=3.558, Neurosciences category) Pathological Conditions section 編輯委員(Editor)(2020.04-2021.02)
- SCI 期刊 Journal of Alzheimer's Disease (I.F.=4.472, Neurosciences category, Ranking 68/256)副主編(Associate Editor)(2017.01-12)
- 中華民國大專體總「大專體育」期刊主編(108.01.01-迄今)
- 中華民國大專體總「大專體育」期刊編審委員(106.01.01-107.12.31)
- 台灣運動生理暨體能學會期刊編審委員(105.06.01-107.5.31)
- 屏東科技大學人文暨社會科學院人文社會科學研究期刊(教育類)(ISSN: 1996-7985)編輯委員(Editor)(2017-迄今)
- 新加坡南洋理工大學(Nanyang Technological University, Singapore)新聘副教授國際外審委員
- 中央研究院年輕學者研究著作獎審查委員
- 財團法人高等教育評鑑中心基金會生活應用學門訪視委員
- 教育部公費留學考試委員
- 教育部高等教育深耕計畫-特色領域研究中心計畫第一期&第二期&第三期 審查委員
- 教育部「大學校院增設、調整特殊項目院所系科學位學程申請」-教育類領域召集人
- 教育部大專校院人文與社會科學領域標竿計畫審查委員
- 高等教育深耕計畫-特色領域研究中心計畫審查委員
- 教育部「大學校院增設、調整特殊項目院所系科學位學程申請」-教育類領域召集人
- 財團法人高等教育評鑑中心基金會評鑑與訪視委員
- 台灣評鑑協會專業學門教育認證委員
- 高雄市政府運動發展局學者專家諮詢委員
- 國立高雄大學特聘教授遴選委員會委員

- 國立中興大學管理學院特聘暨優聘教師審查委員
- 國立臺灣師範大學獎勵學術卓越教師審查委員
- 國立臺灣師範大學講座教授、特聘教授、優聘教授審查委員
- 國立中山大學通識中心教師評鑑委員會委員
- 科技部/國科會(體育學門、教育學門、心理學門、醫工學門、生科司、工程學門、國際合作研究、新秀學者/國際年輕傑出學者、女性專案計畫、研究獎項、研究計畫申覆案.....等)初審&複審委員(100-迄今)
- 美國明尼蘇達大學(University of Minnesota)訪問學者(100.07 ~ 100.09)
- 亞洲適應體育學會(Asian Society for Adapted Physical Education and Exercise)理事(99.07 ~ 迄今)
- 義大利國家健康部(Italian Ministry of Health)應用臨床和生物醫學研究(Applied Clinical and Biomedical Research)領域國家型研究計畫審查委員(2016.11-2017.03 & 2020.08-10)
- 義大利國家健康部(Italian Ministry of Health)生物醫學與臨床研究(Biomedical and Clinical Research Areas)國家型研究計畫審查委員(2015.03-2015.09)
- 加拿大社會科學及人文研究委員會(Social Sciences and Humanities Research Council of Canada)國家型研究計畫審查委員(2012.01-2012.06)
- 科技部(體育學門、教育學門、心理學門、工程學門、國際合作研究)計畫初審委員(100 ~ 迄今)
- 科技部體育學門第一屆國際合作交流參訪成員--北歐洲一流運動科學研究大學)(102.09-102.10)
- 國立成功大學博物館推廣組組長(101.08 ~ 105.07)
- 國立成功大學體育室活動組組長(96.08 ~ 99.07)
- 台灣適應體育運動與健康學會理事長(110.01 ~ 113.12)
- 台灣適應體育運動與健康學會副理事長(105.01 ~ 110.12)
- 台灣適應體育運動與健康學會理事(93.06 ~ 迄今)
- 國立屏東師範學院體育學系兼任講師(91.08 ~ 93.07)
- 樹德科技大學體育室兼任講師(93.08 ~ 94.07)
- 高雄市信義國小教師(教學 17 年；含特教班 2 年，體育實驗班 2 年)(77.08 ~ 94.07)
- 國立體育學院體育研究所運動保健組適應體育運動學博士(91.08 ~ 94.06)
- 國立體育學院運動科學研究所運動生理醫學組碩士(87.08 ~ 89.06)
- 國立台北師範學院數理教育學系學士(81.07 ~ 84.08)

- 省立屏東師專普師科數理組(72.08 ~ 77.07)

## 榮譽

1. 2025 年國際適應身體活動聯盟(IFAPA)終身國際院士(Fellow)
2. 106 年度科技部傑出研究獎
3. 獲得 2023 年史丹佛大學分析 Scopus 科學論文影響力名列「全球前 2%頂尖科學家(World's top 2% scientists 2023)」
4. 獲得 2022 年史丹佛大學分析 Scopus 科學論文影響力名列「全球前 2%頂尖科學家(World's top 2% scientists 2022)」
5. 獲得 2021 年史丹佛大學分析 Scopus 科學論文影響力名列「全球前 2%頂尖科學家(World's top 2% scientists 2021)」
6. 獲得 2020 年史丹佛大學分析 Scopus 科學論文影響力名列「全球前 2%頂尖科學家(World's top 2% scientists 2020)」
7. 已通過成功大學終身特聘教授四次(104 年 ; 107 年 ; 110 年 ; 113 年 ; Until retirement)
8. 榮獲成功大學 102、103、104 年度頂尖大學研究優良人才獎勵
9. 榮獲科技部 99、100、101、105-113 年度大專院校特殊優秀人才獎勵
10. 榮獲 101 年國立體育大學傑出校友研究表現獎勵(101.11.08)
11. 榮獲 100 學年度成功大學管理學院研究優良獎(100.12; 110.12)
12. 榮獲 2024 年印尼發明家日(Indonesia Inventors Day)--世界發明科學展金牌 & 香港特別獎[蔡佳良、王采菁、湯大緯 ; 以眼球追蹤技術偵測疲勞為基礎的 AR 智慧羽球教練(AR Smart Badminton Coach Detects Fatigue Using Eye-Tracking Technology)]
13. 榮獲 2022 年第十六屆波蘭國際發明展(XVI International Warsaw Invention Show "IWIS") 金牌 Gold Medal [蔡佳良、王采菁、湯大緯、劉子毅 ; 元宇宙虛擬實境環繞裝置之組合式應用(Combined Application of Metaverse Virtual Reality Surround Device)]
14. 義大利國家健康部(Italian Ministry of Health)應用臨床和生物醫學研究 (Applied Clinical and Biomedical Research)領域國家型研究計畫審查委員 (2016.11-2017.03)
15. 義大利國家健康部(Italian Ministry of Health)生物醫學與臨床研究 (Biomedical and Clinical Research Areas)國家型研究計畫審查委員(2015.03-2015.09)
16. 加拿大社會科學及人文研究委員會(Social Sciences and Humanities Research Council of Canada)國家型研究計畫審查委員(2012.01-2012.06)

17. 123 本國際 SCI & SSCI 期刊論文審查者(123 SCI & SSCI Journals Guest Reviewer):

- ax. Journal of Clinical Oncology, Experimental Neurology, Trends in Molecular Medicine, Tourism Management, Sports Medicine, International Review of Sport and Exercise Psychology, International Journal of Hospitality Management, Brain Behavior and Immunity, Ecotoxicology and Environmental Safety, Clinical Nutrition, Oxidative Medicine and Cellular Longevity, Neuroscience and Biobehavioral Reviews, International Journal of Clinical and Health Psychology, Child Development, Biomedicines, GeroScience, Heliyon, Expert Review of Neurotherapeutics, Nutrients, Journal of Clinical Medicine, Medicine & Science in Sports and Exercise, Scientific Reports, Molecular Neurobiology, Frontiers in Oncology, Sports Medicine-Open, Pain Practice, Frontiers in Aging Neuroscience
- ax. Autism Research, Developmental Science, Journal of Alzheimer's Disease, Current Alzheimer Research, Neuroscience, Genes, Scandinavian Journal of Medicine and Science in Sports, Brain & Behavior, Immunobiology, Experimental Gerontology, Frontiers in Cardiovascular Medicine, Neural Plasticity, Journal of Autism and Developmental Disorders, Brain Research, International Journal of Molecular Sciences, Tourism Management Perspectives, Journal of Exercise Science & Fitness, Frontiers in Physiology, Biological Psychology, European Review of Aging and Physical Activity, Psychophysiology, Current Issues in Tourism, Frontiers in Endocrinology, PLoS One, Frontiers in Neuroscience, Frontiers in Bioengineering and Biotechnology, Frontiers in Systems Neuroscience, Mental Health and Physical Activity, Behaviour & Information Technology
- ax. Current Molecular Medicine, International Journal of Psychophysiology, International Journal of Sport and Exercise Psychology, Frontiers in Integrative Neuroscience, Games for Health Journal, Neuropsychological Rehabilitation, Journal of Intellectual Disability Research, Archives of Physiology and Biochemistry, Applied Sciences, Brain Sciences, Brain and Cognition, Childhood Obesity, Journal of Clinical and Experimental Neuropsychology, Physiology & Behavior, Archives of Clinical Neuropsychology, Disability and Rehabilitation, Journal of Intellectual Disabilities, International Journal of Developmental Neuroscience, European Journal of Sport Science, International Journal of Environmental Research and Public Health, Journal of Sports Sciences, Psychology of Sport & Exercise, Neuropsychology, BMC Pediatrics, Frontiers in Behavioral Neuroscience, BMC Neuroscience, BMJ Open, Frontiers in Psychology, Journal of Healthcare Engineering, Neuroscience Letters, Research in Autism Spectrum Disorder, Journal of Aging and Physical Activity, Journal of Sport & Exercise Psychology, Journal of Physical Activity and Health, Frontiers in Psychiatry, Healthcare, Frontiers in Human Neuroscience
- ax. Aging Neuropsychology and Cognition, Journal of Sports Medicine and Physical Fitness, International Journal of Neuroscience, Journal of Musculoskeletal and Neuronal Interactions, Journal of Aging and Health, Journal of Integrative Neuroscience, International Journal of Hypertension, Physiotherapy Theory and Practice, Memory, Psychology Research and Behavior Management, Human Movement Science, Motor Control, Learning and Individual Differences, Journal of Science and Medicine in

Sport, Research in Developmental Disabilities, The Physician and Sportsmedicine, Evidence-Based Complementary and Alternative Medicine, Journal of Sport and Health Science, Asia Pacific Journal of Tourism Research, Acta Psychologica, International Journal of Consumer Studies, Adapted Physical Activity Quarterly, Saudi Medical Journal, Biological Research for Nursing, Occupational Therapy International, Open Life Sciences, Journal of Medical and Biological Engineering, Perceptual and Motor Skills, Geriatrics, Journal of Pharmaceutical Research International

18. 其他國際醫學期刊 Oman Medical Journal 論文審查者(Guest Reviewer)
19. 代表成功大學參加全國大專杯教職員工組羽球賽第 1 名(108.06)、第 4 名(96.06 ; 99.01 ; 100.06)、第 6 名(95.06)
20. 臺灣國家運動訓練中心評鑑委員(107.01-110.12)
21. 台南市體育處委託擔任國高中&國小羽球基層訓練站審查委員(105.11)
22. 高雄市教育局委託擔任國高中&國小新設體育班審查委員(100.2-100.03)
23. 高雄市教育局委託擔任國高中&國小體育班訪視評鑑委員(99.10-99.11)
24. 台南縣政府委託擔任國民中小學候用校長甄選口試委員(99.02.07)
25. 高雄市教育局委託擔任國小體育班訪視評鑑委員(98.11-98.12)
26. 高雄市教育局委託擔任國高中體育班訪視評鑑委員(98.09-98.10)
27. 高雄市教育局委託擔任國小和國高中體育班訪視評鑑委員(98.03-98.04)
28. 2005 健康城市高雄市衛生局委託「健康幼兒園自主管理」訪視評鑑委員(94.08)
29. 高雄市社會局委託高雄市課後托育機構訪視評鑑委員(94.08)
30. 國立體育學院體育研究所博士班運動科學組學術研究獎(94.06)
31. 國立體育學院運動科學研究所碩士班學術研究獎(89.06)
32. 代表高雄市參加全國公教杯教職員羽球錦標賽第 1 名(85.05、86.05)
33. 全國中正盃扯鈴比賽個人組第 1 名(79.12)
34. 高雄市公教員工運動會田徑賽 200m、400m 第 3 名(78.12)
35. 高雄市漁工杯游泳錦標賽個人 200m 自由式第 2 名(77.09)
36. 全國文化杯書法比賽佳作(77.08)
37. 全國大專院校電腦程式設計比賽第 7 名(75.12)

## 研究成果訪問

★認知神經科學(失智症):

☆民視—台灣新視野 <https://www.youtube.com/watch?v=ocsuXOOhjH0>

☆FM 98.1 電台--財經起床號 & New 98 新聞台

<https://www.youtube.com/watch?v=UO6jNLCRPyM>

☆央廣新聞--預防失智症 研究發現有氧運動最有效

<https://www.youtube.com/watch?v=mLx1UWN0mpo>

☆中時新聞網 <https://www.chinatimes.com/realtimenews/20180314002219-260418?chdtv>

★精準運動科學(羽球):

☆愛爾達電視--羽球選手疲勞偵測 系統持續精進研發

<https://www.youtube.com/watch?v=W5nPEiKkR-Y>

☆TVBS--奪牌添利多! AI 人工智慧羽球教練 "客製化"訓練菜單

[https://www.youtube.com/watch?v=7RPPN\\_I0NQA](https://www.youtube.com/watch?v=7RPPN_I0NQA)

## 證照

1. 中華民國水上救生協會救生員(中華民國水救字第 11637 號)
2. 紅十字會水上救生員(生組字第 81283 號)
3. 田徑裁判(中華民國田徑協會證號 E024 號)
4. 羽球裁判(中華民國羽球協會東羽 89 字第 134 號之 6)
5. 殘障桌球教練證照(中華民國殘障體育運動總會證號 93-C726 號)
6. 殘障游泳教練證照(國際殘障游泳主席授證)
7. 殘障田徑教練證照(中華民國殘障體育運動總會證號 88-CC003 號)

## 國際期刊

**(Scopus 資料庫被國際期刊論文引用次數：4315；H-index：37；FWCI：1.23)**

**國際 SCI & SSCI 學術期刊發表論文 (SCI & SSCI Journal Publications)(\*通訊作者):**

1. **Tsai, C. L.\*** (2025). Acute effects of high-intensity interval exercise plus whole-body vibration on bone turnover markers, BDNF, irisin, and neurocognitive performance in postmenopausal women. *Biological Psychology*, **196**(109029), 1-15. (SSCI in Psychology, Biological category) [Impact Factor: **2.8** in 2024; Ranking: **4/18 (22.22%)**](MOST 111-2410-H-006 -018 -MY3)
2. **Tsai, C. L.\***, Chien, C. Y., Pan, C. Y., Tseng, Y. T., Wang, T. C., & Lin, T. K.\* (2025). Effects of long-term Tai Chi vs. aerobic exercise on antioxidant activity and cognitive function in individuals with Parkinson's disease. *Behavioural Brain Research*, **476**(115274), 1-9. (SCI in Behavioral Sciences category) [Impact Factor: **2.3** in 2024; Ranking: **21/57 (36.84%)**](MOST 108-2410-H-006-097-MY3)
3. Chang, C. L., Wu, S. Y., Ling, D. I., & **Tsai, C. L.\*** (2025). The effect of exercise interventions on executive function in individuals with Parkinson's disease: A meta-analysis of main and moderator effects. *Biological Psychology*, **199**(109061), 1-13. (SSCI in Psychology, Biological category) [Impact Factor: **2.8** in 2024; Ranking: **4/18 (22.22%)**](MOST 111-2410-H-006-018-MY3)
4. Wang, T. C., Tang, T. W., Ma, S. M., Lin, T. K., & **Tsai, C. L.\*** (2025). Effects of the green view index on anxiety reduction and perceived exertion during

- cycling in older adults. *Experimental Gerontology*, 208(112820), 1-10. (SCI in Geriatrics & Gerontology category) [Impact Factor: 4.3 in 2024; Ranking: 15/73 (20.54%)]
5. Tao, R., Yang, Y., Wong, S. H. S., Huang, W. Y., Siu, P. M. F., Tsai, C. L., Wong, S. W. H., Sit, C. H. P. (2025 Accepted & In press). Moderate-to-vigorous physical activity and psychiatric symptoms in children with ADHD: Exploring the mediating role of gross motor performance. *Medicine & Science in Sports & Exercise*. (SCI Journal in Sports Science category) [Impact Factor: 3.9 in 2024; Ranking: 12/133 (9.02%)]
  6. Lin, C. C., Kao, S. C., Hung, C. L., Tsai, C. L., Huang, C. J., Chang, Y. K., & Hung, T. M.\* (2025). The effects of gymnastics programs with different cognitive loads on working memory and prefrontal cortex oxygenation: A randomized controlled trial. *Medicine & Science in Sports & Exercise*, 57(6), 1123-1136. (SCI Journal in Sports Science category) [Impact Factor: 3.9 in 2024; Ranking: 12/133 (9.02%)]
  7. Huang, C. Y., Chen, W. F., Pan, C. Y.\*, Tsai, C. L., Chen, P. L., & Hsu, P. J. (2025). Inline skating exercise enhances symptoms, executive functions, and motor proficiency of children with attention deficit hyperactivity disorder: A randomized controlled trial. *Occupational Therapy International*, 2025(4254970), 1-12. (SSCI in Rehabilitation category) [Impact Factor: 0.9 in 2024; Ranking: 138/173 (79.77%)]
  8. Pan, C. Y., Tsai, C. L., Chen, F. C., Chen, C. C., Hu, Y. H., & Chu, C. H.\* (2025). Effectiveness of a fundamental movement skill intervention in children with autism spectrum disorder: A randomized controlled trial. *Focus on Autism and Other Developmental Disabilities*, 40(2) 59-68. (SSCI Journal in Education, Special category) [Impact Factor: 1.8 in 2024; Ranking: 16/62 (20.97%)]
  9. Cheng, K. C., Chiu, Y. L., Tsai, C. L., Hsu, Y. L., & Tsai, Y. J.\* (2025). Fatigue affects body acceleration during vertical jumping and agility tasks in elite young badminton players. *Sports Health*, 17(1), 126-134. (SCI in Sport Sciences category) [Impact Factor: 2.6 in 2024; Ranking: 39/133 (29.32%)](MOST 110-2627-H-006-001 & MOST 109-2627-H-006-004)
  10. Pan, C. Y., Chen, C. C.\*, Huang, C. Y., Tsai, C. L., Sung, M. C., & Chen, Y. J. (2025). Effects of fundamental movement skills intervention for children with and without autism spectrum disorders. *Research in Autism*, 126(202621), 1-11. (SSCI Journal in Education, Special category) [Impact Factor: 2.1 in 2024; Ranking: 9/62(14.52%)]
  11. Tang, T. W., Wang, T. C., & Tsai, C. L.\* (2024). The influence of different tree densities on alpha waves, physical activity enjoyment, and satisfaction of late middle-aged and older adults using virtual cycling. *Experimental Gerontology*, 197(112608), 1-9. (SCI in Geriatrics & Gerontology category) [Impact Factor: 4.3 in 2024; Ranking: 15/73 (20.54%)]
  12. Tsai, C. L.\*, Pan, C. Y., Wang, T. C., Tseng, Y. T., Ukropce, J., Ukropcove, B., & Lin, T. K.\* (2024). Effects of acute aerobic exercise with different intensities on cerebral dopamine/norepinephrine/serotonin metabolites and executive-related oculomotor control in individuals with Parkinson's disease. *Mental Health and Physical Activity*, 26(100582), 1-12. (SSCI in Psychology, Clinical category) [Impact Factor: 2.6 in

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- obese women. *Journal of Exercise Science and Fitness*, **20**, 291-304. (SCI in *Sport Sciences* category) [Impact Factor: 2.800 in 2022; Ranking: 36/87 (41.37%)]
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- Research*, 413(113472), 1-11. (SCI in Behavioral Sciences category) [Impact Factor: 3.352 in 2021; Ranking: 22/53 (41.51%)] (MOST 108-2410-H-006-097-MY3 & MOST 108-2923-H-006-001-MY3)
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43. Tseng, Y. T.\*, Chen, F. C., **Tsai, C. L.**, & Konczak, J. (2021). Upper Limb proprioception and fine motor function in young pianists. *Human Movement Science*, 75(102748), 1-10. (SSCI in Psychology category) [Impact Factor: 2.397 in 2021; Ranking: 46/79 (58.23%)]
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47. Wen, H. J.\* & **Tsai, C. L.**\* (2020). Effects of acute aerobic exercise combined with resistance exercise on neurocognitive performance in obese women. *Brain Sciences*, *10*(767), 1-17. (SCI in *Neurosciences* category) [**Impact Factor: 3.394** in 2020; **Ranking: 157/273 (57.51%)**]
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49. Wen, H. J.\* & **Tsai, C. L.**\* (2020). Neurocognitive inhibitory control ability performance and correlations with biochemical markers in obese women. *International Journal of Environmental Research and Public Health*, *17*(2726), 1-19. (SSCI in *Public, Environmental, & Occupational Health* category) [**Impact Factor: 3.390** in 2020; **Ranking: 41/176 (23.30%)**]
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53. Chu, C. H., **Tsai, C. L.**, Chen, F. C., Sit, C. H. P., Chen, P. L., & Pan, C. Y.\* (2020). The role of physical activity and body-related perceptions in motor skill competence of adolescents with autism spectrum disorder. *Disability and Rehabilitation*, *42*(10), 1373-1381. (SSCI in *Rehabilitation* category) [**Impact Factor: 3.033** in 2020; **Ranking: 7/74 (9.46%)**]
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- (**21.88%**)](MOST 107-2627-H-006-001 & MOST 108-2627-H-006-004 & MOST 109-2627-H-006-004)
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  56. Tseng, Y. T. \*, **Tsai, C. L.**, & Chen, F. C. (2020). Wrist proprioceptive acuity is linked to fine motor function in children undergoing piano training. *Journal of Neurophysiology*, *124*, 2052-2059. (SCI in *Physiology* category) [**Impact Factor: 2.714** in 2020; **Ranking: 44/81 (54.32%)**]
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10. (SCI Journal in *Endocrinology & Metabolism* category)[**Impact Factor: 2.411** in 2019; **Ranking: 103/143 (72.03%)**](NSC 103-2923-H-006-001-MY3 & SAS/NSC JRP 2013/17)(臺灣科技部國合處與歐洲斯洛伐克國家科學院雙邊合作計畫)
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## 研討會

### 國際學術會議發表論文 (International Conferences):

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2. Tsai, C. L., Lin, T. K., Pan, C. Y., Wang, T. C., Tseng, Y. T., Chien, C. Y. (2025, April 1-5). *Comparison of the effects of chronic aerobic exercise and Tai Chi Chuan interventions on antioxidant activity in patients with Parkinson's disease*. 2025 International Conference on Alzheimer's and Parkinson's Diseases and Related Neurological Disorders, Vienna, Austria.
3. Wang, T. C., Tsai, C. L., Liu, T. Y., & Tang, T. W. (2024, June 19-22). *The effects of mixed reality-based badminton training system on the hitting accuracy of badminton and cybersickness*. The 21st International Joint Conference on Computer Science and Software Engineering (JCSSE 2024), Phuket, Thailand.

4. Tao, R., Sit, C. H. P., Huang, W. Y., **Tsai, C. L.**, Siu, P. M. F., Wong, S. H. S., & Wong, S. W. H. (2024, Aug 2-4). ***Mediating effect of motor performance on the relationship between physical activity and internalizing problems in children with ADHD.*** International Symposium ASAPE 2024: Asian Society for Adapted Physical Education and Exercise, Sapporo, Japan.
5. Pan, C. Y., Huang, C. Y., Lu, T. Y., Chen, P. L., Hung, C. S., & **Tsai, C. L.** (2024, May 28-31). ***Effects of fundamental movement skills training in children with ADHD.*** 2024 ACSM Annual Meeting, Boston, Massachusetts, USA.
6. Huang, C. Y., Lu, T. Y., Chen, P. L., **Tsai, C. L.**, Chu, C. H., & Pan, C. Y. (2024, May 28-31). ***Effects of exercise intervention on cardiovascular fitness and gross motor development in children with ADHD.*** 2024 ACSM Annual Meeting, Boston, Boston, Massachusetts, USA.
7. Lu, T. Y., Huang, C. Y., Sung, M. C., **Tsai, C. L.**, Chu, C. H., & Pan, C. Y. (2024, May 28-31). ***Effects of physical exercise on fundamental movement skills and executive functions in children with ASD.*** 2024 ACSM Annual Meeting, Boston, Massachusetts, USA.
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9. Chuang, H. Y., & **Tsai, C. L.** (2024, Apr 11-14). ***Effects of hand grip on biochemical indicators of cardio-cerebral vascular diseases.*** The 12th Seoul International Congress of Endocrinology and Metabolism, Seoul, Korea.
10. **Tsai, C. L.**, Wang, T. C., & Tang, T. W. (2023, Nov 8-11). ***Exploring the health satisfaction of middle-aged and elderly adults after using VR sports and leisure services.*** 7th World Research Summit for Hospitality and Tourism 2023, Orlando, FL, USA.
11. **Tsai, C. L.**, Pan, C. Y., Tseng, Y. T., Chang, Y. C., Wang, T. C. (2023, July 4-7). ***Acute exercise and executive-related oculomotor performance in individuals with Parkinson's disease.*** The 28th Annual Congress of the European College of Sport Science (ECSS), Paris, France.
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14. Li, M., Yu, J. J., Ho, T.H., **Tsai, C. L.**, Arbour-Nicitopoulos, K., & Cindy, H. P. (2022, Aug 4-6). ***Effects of school-based intervention on motor performance, physical activity, and mental health among children with developmental coordination disorder: A randomized controlled trial.*** The 2022 ASAPE conference, Hong Kong.
15. **Tsai, C. L.**, Chen, Y. Z., Wang, T. C., & Hsu, Y. L. (2022, July 22-24). ***Sport fatigue detection in badminton players based on EEG signals.*** The 5th IEEE

- International Conference on Knowledge Innovation and Invention 2022 (IEEE ICKII 2022), Paper No. K220095, Hualien, Taiwan.
16. Cheng, K. C., Chiu, Y. L., **Tsai, C. L.**, Hsu, Y. L., & Tsai, Y. J. (2022, May 31-Jun 04). *Fatigue affects body acceleration during vertical jump and agility performance in elite young badminton players*. ACSM's 2022 Annual Meeting, San Diego, California, USA.
  17. Tang, T. W., Wang, T. C, **Tsai, C. L.** (2022, May 28). *Visual attention and behavioral intention of older consumers toward exercise consumption images*. The 2022 International Conference in Management Sciences and Decision Making, Tamkang University, New Taipei City, Taiwan.
  18. Tang, T.W., Wang, T.C, **Tsai, C. L.** (2022, May 28). *The benefits of cycling in a virtual sportscape with different tree cover densities for patients with generalized anxiety disorder*. The 2022 International Conference in Management Sciences and Decision Making, Tamkang University, New Taipei City, Taiwan.
  19. **Tsai, C. L.**, & Pai, M. C. (2020, Apr 2-5). *Neurocognitive performance of task switching and the correlations with irisin and beta-amyloid in individuals with ADFH and obesity*. 2020 Advances in Alzheimer's and Parkinson's Therapies: An AAT-AD/PD Focud Meeting, Vienna, Austria.
  20. Chang, Y. C., Chiu, Y. K., & **Tsai, C. L.** (2020, Jan 18-21). *Different neurocognitive performances of executive controls in basketball players as a function of playing positions*. The 7th International Seminar in Sport and Exercise Psychology, Tainan, Taiwan.
  21. Wang, T. C., Zhang, P., **Tsai, C. L.**, Tang, T. W\*. (2019, Dec 13-16). *Exploring the advertising attraction of wellness service marketing*. 5th World Research Summit for Hospitality and Tourism, Orlando, FL., USA.
  22. Tang, T. W., Lu Y., **Tsai, C. L.**, Wang, T. C. (2019, Dec 13-16). *Consumers' response toward wellness service images*. 5th World Research Summit for Hospitality and Tourism, Orlando, FL., USA.
  23. Chen, Y. J. & **Tsai, C. L.** (2019, Sep 18-19). *The effects of long-term resistance and aerobic exercise interventions on neurocognition and neuroprotective growth factors in the elderly with memory problems*. 2019 International Sport Neuroscience Conference, Tsukuba, Japan.
  24. Chuang, H. Y., **Tsai, C. L.**, & Chin, H. L. (2019, Sep 5-7). *Research on health and metabolic function risk of home care workers in regions of southern Taiwan*. The 8th International Congress on Lipid & Atherosclerosis, Seoul, Korea.
  25. **Tsai, C. L.**, Pai, M. C., Sun, H. S., Kuo, Y. M., & Wang, C. H. (2019, Aug 31-Sep 4). *Event-related neural oscillations in individuals with a family history of Alzheimer's disease and ApoE-4 genotype*. 2019 Australasian Winter Conference on Brain Research (AWCBBR), Queenstown, New Zealand.
  26. **Tsai, C. L.**, Pan, C. Y., Pai, M. C., Ukropec, J., & Ukropcová, B. (2019, July 3-6). *Resistance and aerobic exercise produce distinct molecular and neurocognitive effects in patients with mild cognitive impairment*. The 25th Annual Congress of the European College of Sport Science (ECSS), Prague, Czech Republic.
  27. Chiu, Y. K., **Tsai, C. L.**, Pan, C. Y., Tseng, Y. T., & Chen, F. C. (2019, July 3-6). *The influences of cardiorespiratory fitness levels on visuospatial working memory in individuals with family history of Alzheimer disease*.

- The 25th Annual Congress of the European College of Sport Science (ECSS), Prague, Czech Republic.
28. Lin, R. W. & **Tsai, C. L.** (2019, July 3-6). *The relationship between error monitoring and cooperative levels in athletes with different group sizes : From the perspectives of neurocognitive performance*. The 25th Annual Congress of the European College of Sport Science (ECSS), Prague, Czech Republic.
  29. Pan, C. Y., Jiang, S. Y., Chen, P. L., Huang, C. Y., **Tsai, C. L.**, & Chu, C. H. (2019, July 3-6). *The associations of objectively measured physical activity and sedentary time with cognitive functions in children with autism*. The 24th Annual Congress of the European College of Sport Science (ECSS), Prague, Czech Republic.
  30. **Tsai, C. L.**, Hsieh, M. C., Pan, C. Y., & Chen, F. C. (2018, July 22-24). *Different effects of regular exercise on cognition and pro-inflammatory cytokines in patients with mild cognitive impairment*. 2018 International Conference on Health, Fitness and Exercise Science, Tokyo, Japan.
  31. Wang, T.C., **Tsai, C.L.**, Tang, T.W. (2019, Jan 19-21). *What kinds of recreational sport pictures are more convincing?*. 2019 International Conference on Business, Information, Tourism, and Economics, Sapporo, Japan.
  32. Tang, T.W., **Tsai, C.L.**, Wang, T.C., Pan H.W. (2019, Jan 19-21). *The effect of tourism core competence on entrepreneurial orientation and service innovation performance in tourism small and medium enterprises*. 2019 International Conference on Business, Information, Tourism, and Economics, Sapporo, Japan.
  33. Ling, R. W., **Tsai, C. L.**, Pan, C. Y., Chen, F. C., Ukropec, J., & Ukropcová, B. (2018, July 22-24). *Regular exercise on neurocognitive and metabolic biomarkers in individuals with mild cognitive impairment*. 2018 International Conference on Health, Fitness and Exercise Science, Tokyo, Japan.
  34. Chen, F. C., Pan, C. Y., & **Tsai, C. L.** (2018, July 25-28). *The effects of swim training on motor coordination and sustained attention for children with developmental coordination disorder*. 40th Annual Conference of the International School Psychology Association, Tokyo, Japan.
  35. Lu, Y. H., Chen, P. L., Huang, C. Y., Lin, Y. J., **Tsai, C. L.**, & Pan, C. Y. (2018, July 11-13). *Comparison of motor skill proficiency and cognitive functioning in children with and without attention deficit hyperactivity disorder*. The 15th ASAPE symposium, Kuala Lumpur, Malaysia.
  36. Kao, L. H., Lu, Y. H., Chen, P. L., Huang, C. Y., **Tsai, C. L.**, & Pan, C. Y. (2018, July 11-13). *Effects of physical exercise on fundamental movement skills and executive functions in children with autism spectrum disorders: An exploratory study*. The 15th ASAPE symposium, Kuala Lumpur, Malaysia.
  37. 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, Netherlands.
  38. Wang, T.C., Tang, T.W., **Tsai, C.L.**, Cheng, J.S., Shih, H.Y. (2017, Dec 8-11). *Using eye-tracking analysis technology to understand the customer*

- response to the hotel servicescape*. 4th World Research Summit for Tourism and Hospitality, Orlando, FL., USA.
39. Ukropec, J., Slobodova, L., Tirpakova, V., Vajda, M., Krumpolec, P., Vallova, S., Sutovsky, S., **Tsai, C. L.**, Pai, M. C., Turcani, P., Dydak, U., Bogner, W., Krssak, M., Valkovic, P., Sedliak, M., & Ukropcova, B. (2017, July 16-20). *Endurance-strength training improves motor functions and glucose metabolism in patients with Parkinson's disease*. 2017 Alzheimer's Association International Conference, London (AAIC 2017), England.
  40. **Tsai, C. L.**, Chuang, C. Y., Wang, C. H., Pan, C. Y., & Chen, F. C. (2017, July 5-8). *Effect of regular exercise on visuospatial attention in young adults with obesity*. The 22th Annual Congress of the European College of Sport Science (ECSS), Essen, Germany.
  41. Chuang, C. Y., **Tsai, C. L.**, Pan, C. Y., Gan, Y. C., Pai, M. C., Ukropec, J., & Ukropcová, B. (2017, July 5-8). *Effects of different exercise modes on neuroprotective growth factors and neurocognitive performance in older adults with mild cognitive impairment*. The 22th Annual Congress of the European College of Sport Science (ECSS), Essen, Germany.
  42. Gan, Y. C., **Tsai, C. L.**, Pan, C. Y., & Chuang, C. Y. (2017, July 5-8). *Effects of open- and closed-skill exercise interventions on executive functions in older adults*. The 22th Annual Congress of the European College of Sport Science (ECSS), Essen, Germany.
  43. Chen, F. C., Pan, C. Y., & **Tsai, C. Y.** (2017, June 28-30). *Light fingertip touch reduces body sway and improves visual search performance in elderly adults: A pilot study*. 2017 World Confederation for Physical Therapy Congress, Bangkok, Thailand.
  44. **Tsai, C. L.**, Huang, T. H., & Tsai, M. C. (2017, June 7-10). *The relationships between neurocognitive performances and biochemical markers in adults with obesity*. 2017 International Society of Behavioral Nutrition and Physical Activity (ISBNPA), Victoria, BC, Canada.
  45. Ma, W. Y., Huang, C. Y., Chen, P. L., Sung, M. C., Pan C. Y., **Tsai, C. L.** (2017, June 7-10). *Effects of in-line skating program in children with autism spectrum disorders*. 2017 International Society of Behavioral Nutrition and Physical Activity (ISBNPA), Victoria, BC, Canada.
  46. **Tsai, C. L.**, Pan, C. Y., Chen, F. C., & Wang, C. H. (2017, May 30-June 3). *The effects of long-term open- and closed-skill exercise interventions on a task-switching paradigm in the elderly*. ACSM's 64th Annual Meeting, Denver, Colorado, USA.
  47. **Tsai, C. L.**, Pai, M. C., Ukropec, J., & Ukropcová, B. (2017, April 26-29). *Impact of acute exercise on neurocognitive performance in older adults with mild cognitive impairment*. 32nd International Conference of Alzheimer Disease International, Kyoto, Japan.
  48. **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.
  49. **Tsai, C. L.**, Pai, M. C., Ukropec, J., Ukropcová, B., & Pan, C. Y. (2016, July 6-9). *Cardiorespiratory fitness and neurocognitive performance in the elderly with mild cognitive impairment*. The 21th Annual Congress of the European College of Sport Science (ECSS), Vienna, Austria.

50. Slobodová, L., Tirpáková, V., Krumpolec, P., Vajda, M., Vallová, S., Cvečka, J., Šutovský, S., Turčáni, P., **Tsai, C. L.**, Pai, M. C., Sedliak, M., Ukropec, J., & Ukropcová, B. (2016, July 6-9). *Effects of three-month aerobic-strength training on cognitive functions and metabolism in seniors with mild cognitive impairment*. The 21th Annual Congress of the European College of Sport Science (ECSS), Vienna, Austria.
51. Sun, J. C. Y., Tu, K. C., Wang, C. H., & **Tsai, C. L.** (2016, July 6-9). *Electrophysiological correlates of skill-specific modulations of cognitive control in badminton players*. The 21th Annual Congress of the European College of Sport Science (ECSS), Vienna, Austria.
52. Lin, J. T., Sun, J. C. Y., Wang, C. H., & **Tsai, C. L.** (2016, July 6-9). *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 (ECSS), Vienna, Austria.
53. Wen, H. J., Wang, C. H., & **Tsai, C. L.** (2016, July 6-9). *Gender difference in acute exercise and neurocognitive performance in children*. The 21th Annual Congress of the European College of Sport Science (ECSS), Vienna, Austria.
54. **Tsai, C. L.**, Wang, C. H., Pan, C. Y., & Chen, F. C. (2016, May 31-June 4). *The effects of acute exercise on neurocognitive performance and BDNF levels in young adults*. ACSM's 63th Annual Meeting, Boston, Massachusetts, USA.
55. Pan C. Y., Sung, M. C., Huang, C. Y., Ma, W. Y., **Tsai, C. L.**, & Chu, C. H. (2016, May 31-June 4). *A physical exercise training reduces problem behaviors in children with ADHD*. ACSM's 63th Annual Meeting, Boston, Massachusetts, USA.
56. Sung, M. C., Huang, C. Y., Ma, W. Y., Chen, P. L., Pan C. Y., & **Tsai, C. L.** (2016, May 31-June 4). *Effect of coordinative exercise on motor skill competency in children with ADHD*. ACSM's 63th Annual Meeting, Boston, Massachusetts, USA.
57. Ma, W. Y., Sung, M. C., Huang, C. Y., Chen, P. L., Pan C. Y., & **Tsai, C. L.** (2016, May 31-June 4). *Motor proficiency and executive function in children diagnosed with autism spectrum disorders and attention deficit hyperactivity disorder*. ACSM's 63th Annual Meeting, Boston, Massachusetts, USA.
58. **Tsai, C. L.**, Pai, M. C., Ukropec, J., & Ukropcová, B., & Pan, C. Y. (2016, Apr 18-20). *The effects of acute resistance and aerobic exercise modes on cognitive performance in the elderly with mild cognitive impairment*. The 2nd International Conference on Sports Medicine and Fitness, Dubai, UAE.
59. **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.
60. Sun, C. Y. J., 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 (ECSS), Malmo, Sweden.
61. 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 (ECSS), Malmo, Sweden.
62. Sung, M. C., Pan, C. Y., **Tsai, C. L.**, Chu, C. H., & Cheng, Y. W. (2015, May 26-30). *Deficit hyperactivity disorder and table tennis program: Effects on motor and executive functions*. ACSM's 61th Annual Meeting, San Diego, California, USA.
  63. Pan, C. Y., **Tsai, C. L.**, Chu, C. H., & Sung, M. C. (2015, May 26-30). *Effects of physical activity intervention in children with autism spectrum disorders*. ACSM's 61th Annual Meeting, San Diego, California, USA.
  64. Chen, F. C., **Tsai, C. L.**, & Pan, C. Y. (2014, August). *Body movement and perception of action capacity in children with developmental coordination disorder*. 14<sup>th</sup> Asian Society for Adapted Physical Education and Exercise, China.
  65. Chen, F. C., & **Tsai, C. L.** (2014, July). *The perception, action and performance of golf putting in children with coordination disorder*. The 1<sup>st</sup> Asian Conference for Physical Education and Sports Science, Singapore.
  66. **Tsai, C. L.**, Wang, C. H., Pan, C. Y., Chen, F. C., & Huang, T. H. (2014, May 27-31). *The impact of long-term resistance exercise on the cognitive function in older adults*. ACSM's 61<sup>th</sup> Annual Meeting, Orlando, Florida, USA.
  67. Huang, S. W, Chou, F. Y., **Tsai, C. L.**, Pan, C. Y., Wang, C. H. (2014, May 27-31). *Effects of Acute Exercise and Cardiorespiratory Fitness on BDNF and Task Switch Performance in Adults*. ACSM's 61<sup>th</sup> Annual Meeting, Orlando, Florida, USA.
  68. 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 61<sup>th</sup> Annual Meeting, Orlando, Florida, USA.
  69. Liu, Y. J., Pan, C. Y., **Tsai, C. L.**, Chu, C. H., Chung, I. C. (2014, May 27-31). *Physical activity and physical fitness in adolescents with and without autism spectrum disorders*. ACSM's 61<sup>th</sup> Annual Meeting, Orlando, Florida, USA.
  70. Pan, C. Y., **Tsai, C. L.**, Chu, C. H., Cheng, Y. W., & Liu, Y. J. (2014, May 27-31). *School day physical activity in adolescents with and without autism spectrum disorders*. ACSM's 61<sup>th</sup> Annual Meeting, Orlando, Florida, USA.
  71. Chung, I. C., Hsu, P. J., Pan, C. Y., **Tsai, C. L.**, & Kung, I. L. (2014, May 27-31). *The Effect of In-Line Skating Program in Adolescents with Intellectual Disabilities*. ACSM's 61<sup>th</sup> Annual Meeting, Orlando, Florida, USA.
  72. Pan, C. Y., Chang, Y. K., **Tsai, C. L.**, & Chu, C. H. (2014, April 1-5). *Effects of exercise intervention in youths with ADHD*. 2014 AAHPERD National Convention and Exposition, St. Louis, Missouri, USA.
  73. Kang, F. J., **Tsai, C. L.**\*, Chou, F. Y., Lin, K. Y., & Wu, L. J. (2013, Sep 5-9). *An electrophysiological investigation of motor imagery in healthy elderly people: Implication of mental practice training*. 2013 WCPT-AWP(Asia Western Pacific Region) & ACPT(Asian Confederation for Physical Therapy) Congress, Taichung, Taiwan.
  74. Huang, S. W., **Tsai, C. L.**, Chen, F. C., Pan, C. Y., & Chou, F. Y. (2013, July 19-23). *Effects of aerobic exercise intervention on visuospatial working memory in children with developmental coordination disorder*. The

19<sup>th</sup> International Symposium of Adapted Physical Activity, Istanbul, Turkey.  
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75. Chen, F. C., Wu, S. K., **Tsai, C. L.**, & Peng, W. T. (2013, July 19-23). *Directional Sway in Different Axes to Demands of an Aiming Task in Developmental Coordination Disorder*. The 19<sup>th</sup> International Symposium of Adapted Physical Activity, Istanbul, Turkey.
76. **Tsai, C. L.**, Chen, T. C., Chou, F. Y., & Chen, F. C. (2013, June 26-29). *The effect of acute aerobic exercise on serum cortisol and cognitive function in young adults with different cardiorespiratory fitness levels*. The 18<sup>th</sup> Annual Congress of the European College of Sport Science (ECSS), Barcelona, Spain.
77. Hsieh, K. W., Pan, C. Y., Chu, C. H., & **Tsai, C. L.** (2012, Aug 9-11). *Motor proficiency and physical fitness in adolescents with and without autism spectrum disorders*. 13<sup>th</sup> International Symposium for Asian Society for Adapted Physical Education and Exercise (ASAPE), Hong Kong.
78. **Tsai, C. L.**, Chou, F. Y., & Chen, T. C. (2012, July 4-7). *The effect of acute aerobic exercise on task switching in undergraduates with different levels of physical activity*. The 17<sup>th</sup> Annual Congress of the European College of Sport Science (ECSS), Bruges, Belgium.
79. **Tsai, C. L.**, Chen, T. C., Chou, F. Y., Tseng, Y. T., & Hsieh, M. C. (2012, May 29-June 2). *Effects of acute exercise on visuospatial attention in undergraduates with different levels of cardiopulmonary fitness*. ACSM's 59<sup>th</sup> Annual Meeting, San Francisco, California, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 44(5), S723).
80. Chou, F. Y., **Tsai, C. L.**, Chen, T. C., & Tseng, Y. T. (2012, May 29-June 2). *Cardiorespiratory fitness and the effects of acute exercise on executive function in young adults*. ACSM's 59<sup>th</sup> Annual Meeting, San Francisco, California, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 44(5), S724).
81. Chen, M. W., **Tsai, C. L.**, Pan, C. Y., Chen, T. C., & Chou, F. Y. (2012, May 29-June 2). *Visuospatial working memory in children with poor motor coordination as revealed by event-related potential*. ACSM's 59<sup>th</sup> Annual Meeting, San Francisco, California, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 44(5), S177).
82. Kang, F. J., **Tsai, C. L.**, Chou, F. Y., & Chen, T. C. (2012, May 29-June 2). *Behavioral and electrophysiological performance during task switching in college students with different cardiorespiratory fitness levels*. ACSM's 59<sup>th</sup> Annual Meeting, San Francisco, California, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 44(5), S722).
83. Chen, T. C., **Tsai, C. L.**, Chou, F. Y., Pan, C. Y., & Tseng, Y. T. (2012, May 29-June 2). *Effects of exercise intervention on attention networks in children with poor motor coordination: ERP evidences*. ACSM's 59<sup>th</sup> Annual Meeting, San Francisco, California, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 44(5), S177).
84. Pan, C. Y., Chu, C. H., **Tsai, C. L.**, Hsieh, K. W., Li, Y. L., & Huang, S. T. (2012, May 29-June 2). *Physical self-perception and physical fitness in adolescents with and without autism spectrum disorders*. ACSM's 59<sup>th</sup> Annual Meeting, San Francisco, California, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 44(5), S155).
85. Chen, F. C., Wade, M. G., **Tsai, C. L.**, Stoffregen, T. A. (2011, July 21-23). *Postural Responses to suprapostural tasks in children with and without*

- developmental coordination disorder*. The 8th Progress in Motor Control Conference, Cincinnati, USA.
86. **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.
  87. Chen, F. C. Wade, M. G., & **Tsai, C. L.** (2011, June 23-25). *Postural responses of suprapostural visual and memory task for children with and without Developmental Coordination Disorder*. The 9th Developmental Coordination Disorder International Conference, Lausanne, Switzerland.
  88. **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 58<sup>th</sup> Annual Meeting, Denver, Colorado, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 43(5), S421).
  89. 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 58<sup>th</sup> Annual Meeting, Denver, Colorado, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 43(5), S90).
  90. Chen, C. Y., Tseng, Y. T., & **Tsai, C. L.** (2011, May 31-June 4). *Difference of inhibitory control function between the elderly with different levels of physical activity*. ACSM's 58<sup>th</sup> Annual Meeting, Denver, Colorado, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 43(5), S176).
  91. Pan, C. Y., Chu, C. H., **Tsai, C. L.**, Hsieh, K. W., Li, Y. L., & Huang, S. T. (2011, May 31-June 4). *Peer- and sibling-assisted aquatic program for children with autism spectrum disorders*. ACSM's 58<sup>th</sup> Annual Meeting, Denver, Colorado, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 43(5), S619).
  92. 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, Taipei, Taiwan. (Abstract published on *International Journal of Exercise Science*, 5(1), S49-S50).
  93. Hsieh, K. W., Pan, C. Y., **Tsai, C. L.**, Li, Y. L., & Huang, S. T. (2010, Aug 6-8). *Physical activity and correlates in adolescents with high-functioning autism and mild intellectual disabilities during inclusive physical education*. 11<sup>th</sup> International Symposium for Asian Society for Adapted Physical Education and Exercise (ASAPE), Solo, Central Java, Indonesia.
  94. Chen, F. C., Wade, M. G., **Tsai, C. L.**, & Chang, C. H. (2010, July 2-3). *Postural responses to concurrent suprapostural memory task for children in the risk of developmental coordination disorder*. The 2010 North American Meeting of the International Society for Ecological Psychology, Normal, Illinois, USA.
  95. Chen, F. C., Wade, M. G., **Tsai, C. L.**, & Bilz, G. (2010, June 10-12). *Postural and heart rate responses as a function of task demand in children at risk of developmental coordination disorder (DCD)*. North American Society for Psychology of Sport and Physical Activity, Arizona,

- USA. (Abstract published on SCI Journal *Journal of Sport and Exercise Psychology, Supplement 32*, S22-S23).
96. Hsu, Y. W., **Tsai, C. L.**, Lu, J. H., & Tsai, F. C. (2010, June 10-12). ***The effectiveness of table tennis training on motor performance and visual perceptual ability in children with DCD.*** North American Society for Psychology of Sport and Physical Activity, Arizona, USA. (Abstract published on SCI Journal *Journal of Sport and Exercise Psychology, Supplement 32*, S86-S87).
  97. **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 57<sup>th</sup> Annual Meeting, Baltimore, Maryland, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 42(5), S465).
  98. 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 57<sup>th</sup> Annual Meeting, Baltimore, Maryland, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 42(5), S466).
  99. 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 57<sup>th</sup> Annual Meeting, Baltimore, Maryland, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 42(5), S302).
  100. 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 57<sup>th</sup> Annual Meeting, Baltimore, Maryland, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 42(5), S519).
  101. Pan, C. Y., Hsieh, K. W., & **Tsai, C. L.** (2010, June 1-5). ***Motivation and physical activity of adolescents with and without autism in inclusive physical education.*** ACSM's 57<sup>th</sup> Annual Meeting, Baltimore, Maryland, USA. (Abstract published on SCI Journal *Medicine and Science in Sports and Exercise*, 42(5), S366).
  102. **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 8<sup>th</sup> Developmental Coordination Disorder International Conference, Baltimore, USA.
  103. Wang, C. H., & **Tsai, C. L.** (2009, June 23-26). ***Automatic attention orienting by social cues in children with developmental coordination disorder.*** The 8<sup>th</sup> Developmental Coordination Disorder International Conference, Baltimore, USA.
  104. Cheng, H. C., Chen, H. Y., **Tsai, C. L.**, Chen, Y. J., & Cherng, R. J. (2009, June 23-26). ***Co-occurrence of motor and language impairments in preschool children.*** The 8<sup>th</sup> Developmental Coordination Disorder International Conference, Baltimore, USA.
  105. Hsu, Y. W., **Tsai, C. L.**, & Lu, J. H. (2009, June 17-21). ***Effects of table tennis training on motor performance and visual perceptual ability of children with developmental coordination disorder.*** 12th ISSP World Congress of Sport Psychology, Marrakesh, Morocco.

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**國內學術會議發表論文 (Domestic Conferences):**

1. 陳姿蓉、蔡佳良 (2023 · 5 月 20-21 日) 。**急性震動訓練結合血流限制對中高齡者神經認知表現的效果**。2023 年臺灣身體活動與運動科學國際研討會，國立中興大學，台中市，台灣。
2. 吳思嚴、蔡佳良 (2023 · 5 月 20-21 日) 。**運動治療對於帕金森氏症患者執行功能效益之統合分析**。2023 年臺灣身體活動與運動科學國際研討會，國立中興大學，台中市，台灣。
3. 湯大緯、蔡佳良、王采蕎 (2023 · 5 月 20-21 日) 。**不同樹覆蓋密度對中老年人在虛擬場景中騎車的 Alpha 波、身體活動享受和滿意度之影響**。2023 年運動休閒與餐旅管理國際學術研討會，國立臺灣師範大學，台北市，臺灣。
4. Tang, T.W., Wang, T.C, Tsai, C.L. (2022 · 6 月 18 日). **The benefits of cycling in a virtual sportscape with green coverage for patients with generalized anxiety disorder**. 2022 年體育運動與休閒學術研討會，國立台南大學，台南市，台灣。
5. Tang, T.W., Wang, T.C, Tsai, C.L. (2022 · 6 月 18 日). **The effect of cycling in different green-covered environments on stress reduction**. 2022 年體育運動與休閒學術研討會，國立台南大學，台南市，台灣。
6. 劉子毅、王采蕎、蔡佳良 (2022 · 6 月 8 日) 。**混合實境羽球輔助訓練系統對初學者擊球及眼球動作表現之效果**。2022 國際運動生理暨體能領域學術研討會，國立臺北護理健康大學，台北市，臺灣。
7. 湯大緯，蔡佳良，王采蕎，黃伊瑩。(2022 · 5 月 14-15 日) 。**用眼動追蹤技術探討在不同綠覆蓋密度環境中騎車對降低壓力的影響**。2022 運動休閒與餐旅管理國際學術線上研討會。臺灣師範大學，台北市。
8. 黎秀蘭，蔡佳良。(2021 · 5 月) 。**規律健身行為之不同年齡族群在營養知識與態度之探究**。科技部 110 年度運動科學與人文社會融合學術研討會。國立成功大學，台南市。
9. 吳孜萱，曾鈺婷，蔡佳良。(2021 · 5 月) 。**桌球介入對發展性協調障礙兒童動觸覺敏感度的效果**。科技部 110 年度運動科學與人文社會融合學術研討會。國立成功大學，台南市。

10. 阮湘華，蔡佳良。(2021，5月)。*高職以上優秀特奧羽球選手參與訓練及比賽歷程與壓力因應*。科技部 110 年度運動科學與人文社會融合學術研討會。國立成功大學，台南市。
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13. 林若晞，蔡佳良。(2021，5月)。*The gaze time of different levels of table tennis players on the return of serve*。科技部 110 年度運動科學與人文社會融合學術研討會。國立成功大學，台南市。
14. 王維理，李貫廷，林文欽，蔡佳良，楊宜青。(2021，7月)。*The effects of a magic-based intervention on depressive status and quality of life in the elderly: A preliminary study*。110 年度台灣家庭醫學醫學會學術研討會。臺大醫院，台北市。
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18. 黃伊瑩，王采蕎，蔡佳良。(2018，12月7-8日)。*在不同環境騎乘自行車的情緒效益*。2018 體育運動學術團體聯合年會暨學術研討會。私立輔仁大學，新北市。口頭發表。
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21. 黃舒妤，王駿濠，蔡佳良，梁偉光，曾祥非，馬杰仁，阮啟弘。(2013，12月)。**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。國立體育大學，桃園。海報發表。
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  32. 謝凱玟，羅天佑，夏榮輝，蔡佳良，潘倩玉。(2010，5月)。*國小低中高年級自閉症學生之動作技巧與身體活動*。2010 動作行為研究與應用國際學術研討會。台東大學，台東。海報發表。
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#### 發明專利

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財產局。

## 研究計畫

- 114.08-118.07 科技部人文處專題計畫(四年期)，主持人。「**從肌肉激素和粒線體相關分子生物指標探討低氧環境下高強度間歇有氧與肌力運動介入對肌少症老人肌肉與神經認知表現效果與機制**」。計劃編號：NSTC 114-2410-H-006 -047-MY4。(\$6,354,000)
- 114.08-115.07 科技部生科處整合型計畫(三年期第二年)，主持人。「**粒線體適應效應於巴金森氏症發病機制中的角色: 聚焦粒線體與細胞間交流反應 - 長期有氧運動與低氧介入對 MPTP 誘發之巴金森氏症動物粒線體功能與神經行為之效果(2/3)**」。計劃編號 NSTC 114-2314-B-006-008。(\$1,250,000)
- 114.06-114.05 國科會產學合作計畫(三年期第一年)，主持人。「**適用於帕金森之 AI 認知暨手足運動訓練系統**」。計劃編號 NSTC 114-2622-H-006-003。(\$900,000 & 企業配合款\$396,167)
- 114.02-115.01 國科會產學技術聯盟合作計畫(三年期第二年)，主持人。「**以人工智慧導向的虛擬智能健康運動服務(2/3)**」。計劃編號 NSTC 114-2622-8-006-005-TH。(\$1,800,000)
- 113.08-114.07 科技部生科處整合型計畫(三年期第一年)，主持人。「**粒線體適應效應於巴金森氏症發病機制中的角色: 聚焦粒線體與細胞間交流反應 - 長期有氧運動與低氧介入對 MPTP 誘發之巴金森氏症動物粒線體功能與神經行為之效果(1/3)**」。計劃編號 NSTC 113-2314-B-006-029。(\$1,359,333)
- 113.06-114.05 國科會產學合作計畫(一年期)，主持人。「**智慧眼動虛擬實境羽球自由對戰系統**」。計劃編號 NSTC 113-2622-H-006-002。(\$650,000 & 企業配合款\$494,716)
- 113.02-114.01 國科會產學技術聯盟合作計畫(三年期第一年)，主持人。「**以人工智慧導向的虛擬智能健康運動服務(1/3)**」。計劃編號 NSTC 113-2622-8-006-012-TH。(\$2,100,000)
- 113.08-115.07 科技部人文處專題計畫(二年期)，共同主持人。「**比較預防腿筋運動傷害的神經肌肉訓練策略：三組、整群隨機對照試驗**」。計劃編號 NSTC 113-2410-H-006-101-MY2。(\$1,560,000)
- 113.08-115.07 科技部人文處專題計畫(二年期)，共同主持人。「**慢性頸痛患者**

- 的感覺動作控制研究：虛擬實境之深度學習探勘與感覺動作控制訓練之效益」。計劃編號 NSTC 113-2410-H-006-098-MY2。  
(\$2,152,000)
- 113.08-114.07 科技部工程處專題計畫(一年期)，共同主持人。「以智慧科技輔助肩關節物理治療評估與介入之系統開發與成效驗證」。計劃編號 NSTC 113-2221-E-006-229。(\$8,05,000)
- 113.06-114.05 國科會產學合作計畫(一年期)，主持人。「結合眼動訊號、疲勞指標與姿態偵測於開發延展實境羽球訓練互動裝置」。計劃編號 NSTC 112-2622-H-006-002-。(\$800,000 & 企業配合款\$477,000)
- 112.08-113.07 國科會人文司專題計畫(一年期)，共同主持人。「整合瞳孔尺寸與腦波分析設計互動體感裸視虛擬自然運動場景及探討其促進高齡者健康與認知功能的成效」。計劃編號 NSC 112-2410-H-020-004。(\$750,000)
- 111.07-113.11 香港研究資助局(Research Grant Council of the HK government)，共同主持人(子計畫主持人): *A Randomized Controlled Trial of Physical Activity Intervention on Neurocognitive Performance, Mental Health and Behavioural Outcomes of Children with Attention Deficit Hyperactivity Disorder*. HK \$970,000 (Project Number: GRF Project 14612122)
- 111.08-114.07 科技部人文司專題計畫(三年期)，主持人。「從血液生化與認知電生理指標探究高強度間歇/連續性中強度有氧運動結合全身震動訓練對停經後女性之神經認知表現效果與機制」。計劃編號 MOST 111-2410-H-006-018-MY3。(\$6,154,000)
- 111.06-112.05 科技部產學合作計畫(一年期)，主持人。「整合疲勞和眼動訊息於羽球擴增實境發球機」。計劃編號 MOST 111-2622-H-006-003-。(\$860,000 & 企業配合款\$498,000)
- 110.08-111.07 科技部人文司精準運動科學專案計畫(四年期第四年)，主持人。「從中樞系統建構雲端 AI 運動訓練歷程分析與疲勞診斷系統：以羽球項目為例(重點主題一：運動科學訓練)(4/4)」。計劃編號 MOST 110-2627-H-006-001-。(\$9,082,000)
- 109.08-110.07 科技部人文司精準運動科學專案計畫(四年期第三年)，主持人。「從中樞系統建構雲端 AI 運動訓練歷程分析與疲勞診斷系統：以羽球項目為例(重點主題一：運動科學訓練)(3/4)」。計劃編號 MOST 109-2627-H-006-004-。(\$9,101,000)
- 108.08-109.07 科技部人文司精準運動科學專案計畫(四年期第二年)，主持人。

- 「從中樞系統建構雲端 AI 運動訓練歷程分析與疲勞診斷系統：以羽球項目為例(重點主題一：運動科學訓練)(2/4)」。計劃編號 MOST 108-2627-H-006-004-。(\$8,562,000)
- 108.08-111.07 科技部人文司專題計畫(三年期)，主持人。「**不同運動型態對帕金森氏症患者的神經認知表現效果：從血液生化、眼動、腦電生理指標來探究**」。計劃編號 MOST 108-2410-H-006-097-MY3。(\$4,471,000)
- 108.01-110.12 科技部臺斯(SK)雙邊協議型擴充加值(add-on)國際合作研究計畫(三年期)，主持人。「**早期巴金森氏症病患身體適能、臨床徵狀與生活品質改善策略：從規律運動與肌肽營養介入來思考**」。計劃編號 MOST 108-2923-H-006-001-MY3。(\$2,420,000)
- 108.01-108.12 科技部生科司「以疾病為導向之腦與心智科學專案研究計畫」整合型研究(一年期)，共同主持人(子計畫主持人)。「**空間認知、運動與阿茲海默症家族遺傳史研究(2/3)**」。計劃編號 MOST 108-2321-B-006-003-。(\$3,500,000)
- 107.11-108.07 科技部人文司精準運動科學專案計畫(四年期第一年)，主持人。「**從中樞系統建構雲端 AI 運動訓練歷程分析與疲勞診斷系統：以羽球項目為例(重點主題一：運動科學訓練)(1/4)**」。計劃編號 MOST 107-2627-H-006-001-。(\$8,346,000)
- 107.08-110.07 科技部人文司博士後研究員專題計畫(三年期)，共同主持人。「**設計具恢復力效果的虛擬綠色運動服務環境**」。計劃編號：MOST 107-2410-H-006-115-MY3。(\$1,187,000)
- 107.07-109.11 香港研究資助局(Research Grant Council of the HK government)，共同主持人(子計畫主持人)：A Cluster Randomized Controlled Trial of Physical Activity Intervention on Motor and Cognitive Functions and Psychosocial Outcomes of Children with Developmental Coordination Disorder. HK \$727,398 (Project Number: 14622018)
- 107.01-107.12 科技部生科司「以疾病為導向之腦與心智科學專案研究計畫」整合型研究，(一年期)共同主持人(子計畫主持人)。「**空間認知、運動與阿茲海默症家族遺傳史研究(1/3)**」。計劃編號 MOST 107-2321-B-006-009-。(\$5,000,000)
- 106.08-108.07 科技部生科司專題計畫(一年期)，共同主持人。「**個別化快走運動方案對停經後高血壓婦女記憶功能、認知困擾、及大腦衍生神經營養因子(BDNF)之縱貫追蹤**」。計劃編號 MOST 106-2314-B-038-

088。(\$885,000)

- 106.08-107.12 科技部工程司專題計畫(一年期)，共同主持人。適用於發展性協調障礙兒童之虛擬實境系統開發與應用成效。計畫編號 MOST 106-2221-E-006-048。(\$868,000)
- 105.08-108.07 科技部人文司專題計畫(三年期)，主持人。長期運動介入對失智症家族與輕微認知障礙老人的認知神經生理與生化表現效果。計畫編號 MOST 105-2410-H-006 -050 -MY3。(\$5,181,000)
- 104.08-105.07 科技部生科司整合型計畫，共同主持人。阿茲海默症之早期偵測與治療策略：家族史之研究。計畫編號 MOST 104-2745-B-006-001-。(\$1,450,000)
- 104.08-105.07 科技部人文司專題計畫，共同主持人。從大腦相關事件電位角度探討不同運動型態介入後對國小孩童注意力與抑制控制之研究。計畫編號 MOST 104-2410-H-320-009。(\$1,238,000)
- 103.01-105.12 國科會台灣&斯洛伐克國際合作計畫(三年期)，主持人。以失智症患者骨骼肌做為規律運動對認知功能與身體代謝效益的調節因子：從肌肉 myokines 和 microRNAs 角度來思考。計畫編號 MOST 103-2923-H-006-001-MY3。(\$3,690,000)
- 102.08-105.07 國科會人文處專題計畫(三年期)，主持人。不同運動型態中老年人執行不同認知作業之橫向與縱向研究：從大腦相關事件電位與功能性磁共振造影來探討。計畫編號 MOST 102-2628-H-006-003-MY3。(\$5,178,000)
- 102.01-104.12 國科會心智科學腦影像研究專題計畫(三年期)，共同主持人。不同健身運動型態對記憶功能之影響：功能性磁共振造影之縱貫式研究。計畫編號 NSC 100-2420-H-179-001-MY3。(\$3,533,000)
- 102.08-104.07 國科會人文處專題計畫(二年期)，共同主持人。團體射箭訓練對發展協調障礙兒童注意力、姿勢控制及腦部神經功能之影響。計畫編號 NSC 102-2410-H-020-023-MY2。(\$1,134,000)
- 100.08-102.07 國科會人文處專題計畫(二年期)，主持人。從 IGF-1 和大腦相關事件電位的角度探討阻力訓練對老年人認知表現的效益。計畫編號 NSC 100-2410-H-006-074-MY2。(\$2,238,000)
- 101.09.29-11.30 國科會人文處專題計畫，主持人。考察北歐洲一流運動科學研究大學並進行交流合作研究計畫。計畫編號 NSC 101-2418-H-006-002。(\$160,117)

- 101.08-102.07 國科會生物處專題計畫，共同主持人。發展協調障礙兒童執行精確瞄準任務之姿勢晃動特殊性。計畫編號 NSC 101-2314-B-020-001。(\$520,000)
- 101.08-103.07 國科會人文處專題計畫(二年期)，共同主持人。優秀菁英運動員之手眼協調能力與視覺訊息處理能力分析與追蹤研究。計畫編號 NSC 101-2628-H-028-001-MY2。(\$1,185,000)
- 99.08-101.07 國科會生物處專題計畫(二年期)，主持人。發展協調障礙兒童視覺空間工作記憶力表現與心肺耐力訓練介入效果：以認知電生理表現來探討。計畫編號 NSC 99-2314-B-006-006-MY2。(\$1,586,000)
- 98.08-100.07 國科會人文處專題計畫(二年期)，主持人。發展協調障礙兒童動作障礙機轉與運動介入效果：從視覺空間注意力與視覺時間注意力之認知神經生理表現來探討。計畫編號 NSC 98-2410-H-006-106-MY2。(\$1,838,000)
- 98.08-99.07 國科會專題計畫，協同研究人員。九至十二歲兒童之體育教師動作觀察量表的本土化建立與動作協調能力分類及活動量分析(III)。計畫編號 NSC 98-2410-H-028-006。(\$657,000)
- 98.04-98.12 國民健康局專案研究，撰稿研究人員。"特殊族群身體活動指引"。(\$1,865,000)
- 97.08-98.07 國科會人文處專題計畫，主持人。運動介入對下肢發展協調障礙兒童動作和神經認知表現之短期與長期效果(II)。計畫編號 NSC 97-2410-H-006-085。(\$786,000)
- 97.08-98.07 國科會專題計畫，協同研究人員。九至十二歲兒童之體育教師動作觀察量表的本土化建立與動作協調能力分類及活動量分析(II)。計畫編號 NSC 97-2410-H-028-004。(\$715,000)
- 96.08-97.07 國科會人文處專題計畫，主持人。運動介入對下肢發展協調障礙兒童動作和神經認知表現之短期與長期效果(I)。計畫編號 NSC 96-2413-H-006-011。(\$633,000)
- 96.08-97.07 國科會專題計畫，協同研究人員。九至十二歲兒童之體育教師動作觀察量表的本土化建立與動作協調能力分類及活動量分析(I)。計畫編號 NSC 96-2413-H-028-002 (\$704,000)
- 95.08-96.07 國科會人文處專題計畫，主持人。下肢發展協調障礙兒童之抑制性反應(內因性 vs. 外因性)、動作時間與視知覺之探討。計畫編號

NSC 95-2413-H-006-009。(\$493,000)

95.08-96.07 國科會專題計畫，協同研究人員。發展協調障礙兒童之本土化動作篩檢量表之建立與應用分析。計畫編號 NSC 95-2614-B-028-001。

95.05-95.10 體委會專案研究，研究員。"弱勢族群與運動"體育政策白皮書。NSC。(\$60,000)

94.11-95.07 國科會人文處專題計畫，主持人。發展協調障礙兒童動作表現與視知覺之次族群探討。計劃編號 NSC 94-2411-H-006-034。(\$385,000)

## 學生指導

### 一、已畢業—碩士班：

1. 94 級；尤怡凱(屏東教育大學，協同指導)；下肢發展協調障礙兒童視知覺與外因性整體反應時間之探討
2. 97 級；許雅雯(畢業榮獲成功大學斐陶斐獎項)；游泳池無障礙環境分級指標之建立與現況調查
3. 97 級；邱馨慧；發展協調障礙兒童執行視覺空間注意力情境下大腦相關事件誘發電位之探討
4. 98 級；曾科達；從認知神經生理角度探討不同身體活動量與不同性別的老年人在作業轉換表現之差異
5. 99 級；王駿濠(畢業榮獲成功大學斐陶斐獎項)；從認知電生理角度探討不同身體活動量老年人在視覺空間工作記憶表現的差異
6. 99 級；陳振裕；網球運動對老年人跌倒預防的效益:從 Simon Task 之大腦相關事件誘發電位來探討
7. 100 級；謝凱玟；國小泛自閉症障礙學童粗大動作發展與身體活動型態之研究
8. 100 級；曾鈺婷(畢業榮獲成功大學斐陶斐獎項)；不同身體活動量老年人執行視覺空間注意力之認知電生理表現—以軟式網球運動為例
9. 100 級；康富傑；從電生理角度探討老年人與年輕人動作意象能力之差異
10. 101 級；陳子琦；急性有氧運動介入對高低心肺適能大學生視覺空間注意力之影響
11. 101 級；周鳳瑛；從行為、事件相關電位與血液生化指標探討有氧適能

與急性健身運動對於年輕成人作業轉換執行功能的影響

12. 101 級；陳子琦；急性有氧運動介入對高低心肺適能大學生視覺空間注意力之影響
13. 102 級；黃舒妤；從神經心理和神經生理角度了解不同運動型態老年人在視覺空間注意力的表現差異
14. 104 級；孫正昀(共同指導)；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
15. 106 級；莊智堯；規律運動對過重與肥胖族群的視覺空間注意力效果——從行為和認知電生理角度來探討
16. 106 級；甘育嘉；從神經認知角度探討不同層級羽球球員的視覺空間注意力表現
17. 108 級；黃伊瑩；在不同綠色覆蓋率環境下騎自行車對壓力減少的效果：眼球追蹤技術的應用
18. 108 級；林若崑；從行為與認知電生理角度探討不同合作程度運動員錯誤監測能力之差異
19. 109 級；邱一剛；從行為和認知電生理探討不同位置籃球選手執行功能之差異
20. 109 級；曾婉柔；國小學童體適能與身體素養之研究
21. 106 級；甘育嘉；從神經認知角度探討不同層級羽球球員的視覺空間注意力表現
22. 110 級；張雨鵬；單次高強度間歇運動與中強度連續有氧運動對於中老年人工作記憶之認知神經表現效果
23. 110 級；陳囿儒(共同指導)；初探臺灣松濤流空手道教練之知識信念建構歷程：以一位資深退役國家教練為例
24. 111 級；蔡博任；不同層級桌球運動員在接發球上的眼動表現之差異
25. 111 級；林若浠；精英與非精英桌球選手在虛擬環境下接發球之視覺搜尋策略差異
26. 111 級；鍾憲緯；羽球單打與雙打運動員的抑制控制神經認知表現差異
27. 112 級；劉子毅；混合實境羽球訓練系統對初學者擊球及眼球動作表現之效果
28. 112 級；陳姿蓉；急性震動訓練結合血流限制對中高齡者認知神經表現的效果

29. 113 級；張程量；長期太極拳與有氧運動介入對於早期帕金森氏症患者之動作及認知神經表現之影響
30. 114 級；林含芸；從大腦皮質電生理訊號探討肌貼介入對慢性踝關節不穩定大專運動員本體感覺與功能性表現的立即影響
31. 114 級；陳玟頤；對比傳統有氧運動與體感有氧運動對中老年人快走及慢走雙重任務表現及腦部血流量的影響

## 二、已畢業—碩士在職專班

1. 107 級；古鎧瑜；規律運動對失智症家族史族群的視覺空間記憶力效果 - 從行為和認知電生理角度來探討
2. 109 級；李貫廷；魔術介入計畫於輕微認知障礙長者之認知功能和神經認知表現的成效
3. 109 級；王維理；魔術介入計畫於社區長者之自尊、憂鬱症狀和生活品質的成效
4. 110 級；吳孜萱；桌球持拍動作介入對發展協調障礙兒童腕關節位置覺、觸覺與動作技巧之效益
5. 111 級；黎秀蘭；健身房不同年齡族群在營養知識與態度之比較
6. 112 級；陳紅柑；青少年智能障礙者健康體適能和適應行為相關探討
7. 112 級；蔡孟潔；探討全身震動治療與泡棉滾筒放鬆介入對慢性非特異性下背痛醫護人員之成效
8. 114 級；陳柏翔；意象生動性回饋對亞急性腦中風患者之動作意象能力與功能性移動能力的影響
9. 114 級；張文馨；12 週彈力帶阻力訓練與超慢跑對高齡者上下肢活動能力、憂鬱指數與睡眠品質影響之探討

## 三、在學中：

1. 111 級；阮○華(碩專)
2. 113 級；張○鈞
3. 114 級；黃○廉
4. 115 級；陳○驥
5. 115 級；蘇○真
6. 115 級；洪○雯(碩專)
7. 115 級；吳○釗(碩專)
8. 116 級；余○恆

9. 116 級 ; 潘○羽
10. 116 級 ; 王○綉
11. 116 級 ; 邱○綺
12. 116 級 ; 洪○鈞(碩專)
13. 116 級 ; 周○軒(碩專)