

## 簡歷



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研究領域及興趣	神經物理治療 動作控制之神經生理基礎 老化

## 學歷

學校	科系	學位
國立陽明大學	生理學研究所博士	博士
Emory University	物理治療研究所	碩士
國立台灣大學	復健醫學系物理治療組	學士

## 現職及經歷

單位	職位	期間
國立陽明大學	特聘教授	2015/08 迄今
國立陽明大學物理治療暨輔助科技學系	教授	2000/08 迄今
國立陽明大學生理學研究所	合聘教授	2004/08 至 2016/07
台北市立聯合醫院	聘兼研究員	2006/02 至 2010/07
中華民國物理治療學會	理事長	2005/03 至 2008/03
台北市物理治療師公會	理事長	1997/08 至 2000/07
Emory University Hospital	資深物理治療師	1985/08 至 1988/01

## 課程

老化  
應用神經生理學  
神經科學  
動作控制之神經生理基礎  
中風之物理治療

## 獎項與榮譽

國立陽明大學 107 學年度校級教學傑出獎  
國立陽明大學 106 學年度良師益友導師  
國立陽明大學 104 學年度優良導師

## 著作目錄 (研究發表或出版著作)

### 期刊論文 (2015 迄今) \* as the corresponding author

1. Ku PH, Chen SF, Yang YR, Lai TC, Wang RY\*. The effects of Ai Chi for balance in individuals with chronic stroke: a randomized controlled trial. *Sci Rep*, 10: 1201, 2020. (SCI)
2. Cheng FY, Jovita M, Mok HY, Lee YS, Tee HX, Wang RY, Yang YR. Effects of fibular tape and traditional tape on functional performance in individuals with functional ankle instability: a randomized controlled trial. *Formos J Phys Ther*, 44: 221-230, 2019.
3. Yang YR, Cheng SJ, Lee YJ, Liu YC, Wang RY\*. Cognitive and motor dual task gait training exerted specific training effects on dual task gait performance in individuals with Parkinson's disease: A randomized controlled pilot study. *PLoS One*, 14: e0218180, 2019. (SCI)
4. Liao YY, Chen IH, Wang RY\*. Effects of Kinect-based exergaming on frailty status and physical performance in the prefrail and frail elderly: a randomized controlled trial. *Sci Rep*, 9: 9353, 2019. (SCI)
5. Chen IH, Yang YR, Lu CF, Wang RY\*. Novel gait training alters functional brain connectivity during walking in chronic stroke patients: a randomized controlled pilot trial. *J Neuroeng Rehabil*, 16: 33, 2019. (SCI)
6. Wang RY, Wang FY, Huang SF, Yang YR. High-frequency repetitive transcranial magnetic stimulation enhanced treadmill training effects on gait performance in individuals with chronic stroke: a double-blinded randomized controlled pilot trial. *Gait Posture*, 68: 382-387, 2019. (SCI)
7. Chen JL, Wang RY, Lee CS, Chen YJ, Yang YR. Immediate effect of hip taping on balance and walking ability in cane-dependent ambulators with chronic stroke: a randomized controlled trial. *Eur J Phys Rehabil Med*, 55: 156-161, 2019. (SCI)
8. Liu HH, Yeh NC, Wu YF, Yang YR, Wang RY, Cheng FY. Effects of Tai Chi exercise on reducing falls and improving balance performance in Parkinson's disease: A meta-analysis. *Parkinsons Dis*, 2019: 9626934, 2019. (SCI)
9. Lee MY, Wang RY, Hsu SS, Chen SS, Yang YR. Effects of reversed cycling training on stiff knee gait after stroke: two case reports. *Formos J Phys Ther*, 44: 69-76, 2019.
10. Lin YC, Sow LC, Wang WY, Wang RY, Yang YR. Effects of exergame on balance in individuals with Parkinson's disease: a meta-analysis and systematic review. *Formos J Phys Ther*, 44: 86-87, 2019.
11. Yang YR, Mi PL, Huang SF, Chiu SL, Liu YC, Wang RY\*. Effects of neuromuscular electrical stimulation on gait performance in chronic stroke with inadequate ankle control - a randomized controlled trial. *PLoS One*, 13: e0208609, 2018. (SCI)
12. Liu YC, Yang YR, Tsai YA, Wang RY\*, Lu CF. Brain activation and gait alteration during cognitive and motor dual task walking in stroke - a functional near-infrared spectroscopy study. *IEEE Trans Neural Syst Rehabil Eng*, 26: 2416-2423, 2018. (SCI)
13. Cheng FY, Yang YR, Wu YR, Cheng SJ, Wang RY\*. Beta event-related desynchronization can be enhanced by different training programs and is correlated with improved postural control in individuals with Parkinson's disease. *IEEE Trans Neural Syst Rehabil Eng*, 26: 1957-1964, 2018. (SCI)
14. Wang RY, Zhou JH, Huang YC, Yang YR\*. Reliability of the Chinese version of the trail making test and stroop color and word test among older adults. *Int J Gerontol*, 12: 336-339, 2018. (SCI)
15. Wang RY, Huang FY, Soong BW, Huang SF, Yang YR. A randomized controlled pilot trial of game-based training in individuals with spinocerebellar ataxia type 3. *Sci Rep*, 8: 7816, 2018. (SCI)

16. Wang RY, Wang YL, Cheng FY, Chao YH, Chen CL, Yang YR. Effects of a multicomponent exercise on dual-task performance and executive function among older adults. *Int J Gerontol*, 12: 133-138, 2018. (SCI)
17. Cheng FY, Yang YR, Wu YR, Cheng SJ, Wang RY\*. Effects of curved-walking training on curved-walking performance and freezing of gait in individuals with Parkinson's disease: A randomized controlled trial. *Parkinsonism Relat Disord*, 43: 20-26, 2017. (SCI)
18. Liu YC, Yang YR, Tsai YA, Wang RY\*. Cognitive and motor dual task gait training improve dual task gait performance after stroke - a randomized controlled pilot trial. *Sci Rep*, 7: 4070, 2017. (SCI)
19. Zhou JH, Hsu KN, Chen JL, Wang RY, Yang YR. Effects of Hydrotherapy in Patients with multiple sclerosis: systematic review & meta-analysis. *Formos J Phys Ther*, 42: 95-105, 2017.
20. Yang YR, Luo HJ. HJ, Huang WC, Wu HY, Wang RY\*. Effects of different exercise modes on physical function and activity in older adults. *Formos J Phys Ther*, 42: 257-267, 2017.
21. Cheng FY, Yang YR, Chen LM, Wu YR, Cheng SJ, Wang RY\*. Positive effects of specific exercise and novel turning-based treadmill training on turning performance in individuals with Parkinson's disease: a randomized controlled trial. *Sci Rep*, 6: 33242, 2016. (SCI)
22. Shih MC, Wang RY, Cheng SJ, Yang YR. Effects of a balance-based exergaming intervention using the Kinect sensor on posture stability in individuals with Parkinson's disease: a single-blinded randomized controlled trial. *J Neuroeng Rehabil*, 13: 78, 2016. (SCI)
23. Chiou SY, Wang RY, Liao KK, Yang YR. Facilitation of the lesioned motor cortex during tonic contraction of the unaffected limbs corresponds to motor status following stroke. *J Neurol Phys Ther*, 40: 15-21, 2016. (SCI)
24. Liao CF, Liaw LJ, Wang RY, Su FC, Hsu AT. Relationship between trunk stability during voluntary limb and trunk movements and clinical measurements of patients with chronic stroke. *J Phys Ther Sci*, 27: 2201-2206, 2015.
25. Liao CF, Liaw LJ, Wang RY, Su FC, Hsu AT. Electromyography of symmetrical trunk movements and trunk position sense in chronic stroke patients. *J Phys Ther Sci*, 27: 2675-2681, 2015.
26. Wang RY, Wang YL, Cheng FY, Chao YH, Chen CL, Yang YR. Effects of combined exercise on gait variability in community-dwelling older adults. *Age*, 37: 9780, 2015. (SCI)
27. Laio YY, Yang YR, Wu YR, Wang RY\*. Virtual reality based Wii Fit training in improving muscle strength, sensory integration ability and walking abilities in patients with Parkinson's disease: a randomized control trial. *Int J Gerontol*, 9: 190-195, 2015. (SCI)
28. Yang YR, Chen YH, Chang HC, Chan RY, Wei SH, Wang RY\*. Effects of interactive visual feedback training on post-stroke pusher syndrome: a pilot randomized controlled study. *Clin Rehabil*, 29: 987-993, 2015. (SCI)
29. Chang HC, Huang YJ, Wang RY, Yang YR. Effects of enriched environment on motor learning improvement in 6-hydroxydopamine-induced parkinson's rats. *Adaptive Medicine*, 7: 129-235, 2015.
30. Liu YC, Mi PL, Shih MC, Lo SS, Wang RY, Yang YR. Therapeutic effects of electrical stimulation on ankle spasticity in individuals with stroke: a meta-analysis. *Formos J Phys Ther*, 40: 179-187, 2015.
31. Laio YY, Yang YR, Cheng SJ, Wu YR, Fuh JL, Wang RY\*. Virtual reality-based training to improve obstacle crossing performance and dynamic balance in patients with Parkinson's disease. *Neurorehabil and Neural Repair*, 29: 658-667, 2015. (SCI)

32. Lu CF, Liu YC, Yang YR, Wu YT, Wang RY\*. Maintaining gait performance by cortical activation during dual-task interference: a functional near-infrared spectroscopy study. PLoS One, 10: e0129390, 2015. (SCI)
33. Wang RY, Wang YL, Cheng FY, Chao YH, Chen CL, Yang YR. Effects of combined exercise on gait variability in community-dwelling older adults. Age, 37: 9780, 2015. (SCI)

**專書 (2010 迄今)**

1. 王瑞瑤：神經疾病物理治療學之總校閱：第一章：神經物理治療簡介，第八章：巴金森氏症，第十二章：腦腫瘤。華格那企業，2016。
2. 王瑞瑤：中風病人的物理治療之校閱：早期復健介入(Physical Therapy for the Stroke Patient: Early Stage Rehabilitation)。合記圖書出版社，2015。
3. 王瑞瑤：基礎物理治療學：第十二章：本體感覺神經肌肉誘發技巧。禾楓書局有限公司，2013。
4. 王瑞瑤：神經物理治療學下冊：第十四章：虛擬實境與科技輔助應用。禾楓書局有限公司，2011。
5. 王瑞瑤：神經物理治療學上冊：第三章：神經再塑性。禾楓書局有限公司，2010。