

# 楊雯雯 Wen-Wen Yang

## 個人簡歷 Resume



### 現任 Current

- 中國醫藥大學/運動醫學系/助理教授 (2019/08~present)  
China Medical University/ Department of Sports Medicine/ Assistant professor
- 中國醫藥大學/運動醫學系/副系主任 (2021/03~ present)  
China Medical University/ Department of Sports Medicine/ Vice chairman
- 運動表現期刊/編輯委員(2020/01~ present)  
Journal of Sports Performance/ Editorial board member
- 臺灣運動傷害防護學會/理事 (2020/08~ present)  
Taiwan Athletic Trainers' Society/ Council member

### 聯絡資訊 Contact information

Phone: 04-22053366 # 7617

Email: norman198571@gmail.com

Website : [http://webap.cmu.edu.tw/TchEportfolio/index\\_1/www](http://webap.cmu.edu.tw/TchEportfolio/index_1/www)

### 學歷 Education

- 國立陽明大學/物理治療暨輔助科技學系/博士  
Department of Physical Therapy and Assistive Technology,  
National Yang-Ming University, Taiwan
- 臺北市立體育學院/運動器材科技研究所/碩士  
Graduate Institute of Sports Equipment Technology,  
Taipei Physical Education college, Taiwan
- 臺北市立體育學院/特殊教育學程/學位學程  
Educational Program: Special Education Teachers,  
Taipei Physical Education College, Taiwan
- 臺北市立體育學院/體育與健康學系/學士  
Department of Physical Education and Health,  
Taipei Physical Education College, Taiwan

## 研究領域 Research focus

運動生物力學、運動醫學、生物醫學訊號分析、輔具與運動器材設計

Sports biomechanics, sports medicine, biomedical signal analysis, development and design of assistive technology and sports equipment

## 研究獎勵 Honors

- 107 年榮獲科技部補助赴國外從事博士後研究  
Awards of Postdoctoral Research Abroad Program,  
Ministry of Science and Technology, Taiwan
- 107 年臺灣運動生物力學研討會－優秀論文獎  
Outstanding Research Paper Award of the Conference,  
Conference of Taiwan Society of Biomechanics in Sports, Taiwan
- 106 年教育部體育署運動科學研究與發展－優等獎  
Excellence Award of Sports Sciences Research and Development,  
Sports Administration of Education, Taiwan
- 105 年教育部體育署運動科學研究與發展－甲等獎  
First Class Award of Sports Sciences Research and Development,  
Sports Administration of Education, Taiwan
- 103 年教育部體育署運動科學研究與發展－甲等獎  
First Class Award of Sports Sciences Research and Development,  
Sports Administration of Education, Taiwan
- 103 年經濟部工業局第六屆全國紡織技術論文競賽－第三名  
Bronze Medal Award of the 6<sup>th</sup> National Textile Technology Paper Competition,  
Industrial Development Bureau Ministry of Economic Affairs, Taiwan
- 102 年經濟部工業局第五屆全國紡織技術論文競賽－第三名  
Bronze Medal Award of the 5<sup>th</sup> National Textile Technology Paper Competition,  
Industrial Development Bureau Ministry of Economic Affairs, Taiwan

## 學術著作與專利 Publications and patent

### A. 學術著作 Peer-reviewed articles

1. **楊雯雯**、劉 強、相子元 (2021): 運動科學導入競技支援系統的現況與展望。國民體育季刊, 208, 8-15。
2. **Wen-Wen Yang**, Ya-Chen Liu, Wei-Han Chen, Hsing-Hao Tai, Kimitake Sato, Hsi-Pin Ma, Chiang Liu (2021). Hitting weighted baseball enhances the experience of bat-ball contacts. *Sports Biomechanics*. Published online. (SCI, IF=2.832; Ranked: 42/85 in Sport Sciences)

3. Long-Ren Chuang, **Wen-Wen Yang**, Po-Ling Chang, Vincent Chiun-Fan Chen, Chiang Liu, Tzyy-Yuang Shiang (2021). Managing vibration training safety by using knee flexion angle and rating perceived exertion. *Sensors*. 21(4), 1158. (SCI, IF= 3.275; Ranked: 15/64 in Instrument & Instrumentation)
4. **Wen-Wen Yang**, Li-Ling Hope Pan, Chen-Sheng Chen, Shun-Hwa Wei, Chiang Liu, Li-Wei Chou (2021). Compression sleeve changes corticomuscular connectivity and sensorimotor function. *Journal of Medical and Biological Engineering*. 41, 108-114. (SCI, IF= 1.173; Ranked: 73/87 in Engineering, Biomedical)
5. Chia-Hsiang Chen, **Wen-Wen Yang**, Yi-Ping Chen, Vincent Chiun-Fan Chen, Chiang Liu, Tzyy-Yuang Shiang (2021). High vibration frequency of soft tissue occurs during gait in power-trained athletes. *Journal of Sports Sciences*. 39(4), 439-445. (SCI, IF=2.597; Ranked: 27/85 in Sport Sciences) (為共同第一作者 joint first author)
6. Ya-Chen Liu, **Wen-Wen Yang**, I-Yao Fang, Li-Ling Hope Pan, Wei-Han Chen, Chiang Liu (2020). Training program with outdoor fitness equipment in parks offers no substantial benefits for functional fitness in active seniors: A Randomized Controlled Trial. *Journal of Aging and Physical Activity*. 28, 828-835. (SCI, IF=1.763, 52/85 in Sport Sciences) (為共同第一作者 joint first author)
7. Wei-Han Chen, **Wen-Wen Yang**, Yi-Hua Lee, Huey-June Wu, Chen-Fu Huang, Chiang Liu (2020). Acute effects of battle rope exercise on performance, blood lactate levels, perceived exertion, and muscle soreness in collegiate basketball players. *Journal of Strength and Conditioning Research*. 34(10), 2857-2866. (SCI, IF=2.973; Ranked: 19/85 in Sport Sciences)
8. Mei-Yi Lee, Ray-Yau Wang, Shu-Shyuan Hsu, **Wen-Wen Yang**, Shu-Shi Chen, Yea-Ru Yang (2020). Muscle activation and intermuscular coherence during forward and backward pedaling. *Chinese Journal of Physiology*, 63(2), 85-89. (SCI, IF= 1.151; Ranked: 72/81 in Physiology)
9. Wei-Chun Hsu, Li-Wen Tseng, Fu-Chun Chen, Li-Ju Wang, **Wen-Wen Yang**, Yi-Jia Lin, Chiang Liu (2020). Effects of compression garments on surface EMG and physiological responses during and after distance running. *Journal of Sport and Health Science*, 9(6), 685-691. (SCI, IF=5.200; Ranked: 5/85 in Sport Sciences)
10. Tsung-Yi Huang, Li-Ling Hope Pan, **Wen-Wen Yang**, Li-Ying Huang, Pi-Chang Sun, Chen-Sheng Chen (2019). Biomechanical evaluation of three-dimensional printed dynamic hand device for patients with chronic stroke. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*. 27(6), 1246-1252. (SCI, IF=3.340; Ranked: 7/68 in Rehabilitation)
11. Kuang-Wei Lin, Chia-Jung Hu, **Wen-Wen Yang**, Li-Wei Chou, Shun-Hwa Wei, Chen-Sheng Chen, Pi-Chang Sun (2019). Biomechanical evaluation and strength test of 3D-printed foot orthoses. *Applied Bionics and Biomechanics*, 2019, 1-8. (SCI, IF=1.141; Ranked: 76/87 in Engineering, Biomedical)

12. Wei-Han Chen, Huey-June Wu, Shin-Liang Lo, Hui Chen, **Wen-Wen Yang**, Chen-Fu Huang, Chiang Liu (2018). Eight-week battle rope training improves multiple physical fitness dimensions and shooting accuracy in collegiate basketball players. *Journal of Strength and Conditioning Research*. 32(10), 2715-2724. (SCI, IF=2.973; Ranked: 19/85 in Sport Sciences)
13. Hope Li-Ling Pan, **Wen-Wen Yang**, Chun-Lan Kao, Mei-Wun Tsai, Shun-Hwa Wei, Felipe Fregni, Vincent Chiun-Fan Chen, Li-Wei Chou (2018). Effects of 8-week sensory electrical stimulation combined with motor training on EEG-EMG coherence and motor function in individuals with stroke. *Scientific Reports*. 8(1), 9217. (SCI, IF=3.998; Ranked: 17/71 in Multidisciplinary Sciences)
14. **Wen-Wen Yang**, Li-Wei Chou, Wei-Han Chen, Tzyy-Yuang Shiang, Chiang Liu (2017). Dual-frequency whole body vibration enhances vertical jumping and change-of-direction ability in rugby players. *Journal of Sport and Health Science*. 6, 346-351. (SCI, IF=5.200; Ranked: 5/85 in Sport Sciences)
15. **Wen-Wen Yang**, Chiang Liu, Tzyy-Yuang Shiang (2017). Warm-up effects from concomitant use of vibration and static stretching after cycling. *Journal of Sports Medicine and Physical Fitness*. 57(4), 362-368. (SCI, IF=1.432; Ranked: 66/85 in Sport Sciences).
16. Hsiu-Hui Chen, Chiang Liu, **Wen-Wen Yang** (2016). Coordination pattern of baseball pitching among young pitchers of various ages and velocity levels. *Journal of Sports Sciences*. 34(17), 1682-1690. (SCI, IF=2.597; Ranked: 27/85 in Sport Sciences).
17. **楊雯雯**、潘俐伶、陳振昇、蔚順華、劉強、周立偉 (2016)：壓力袖套對於上肢本體感覺之影響。《華人運動生物力學期刊》，13(2)，71-78。(TSSCI)
18. 莊惟安、**楊雯雯**、陳韋翰、蘇家鋒、劉強 (2016)：具運動傷害潛在關係的球體物理特性-長柄曲棍球與棒球之比較。《醫學生物力學》，31(5)，449-455。(Scopus)
19. **楊雯雯**、謝凱賀、林國華、劉強 (2015)：棒球捕手不同蹲捕動作之膝關節生物力學特性比較。《華人運動生物力學期刊》，12(1)，1-7。(TSSCI)
20. Hsiang-Hsin Wang, Wei-Han Chen, Chiang Liu, **Wen-Wen Yang**, Mao-Ying Huang, Tzyy-Yuang Shiang (2014). Whole-body vibration combined with extra-load training for enhancing the strength and speed of track and field athletes. *Journal of Strength and Conditioning Research*. 28(9), 2470-2477. (SCI, IF=2.973; Ranked: 19/85 in Sport Sciences)
21. 陳韋翰、林駿佑、**楊雯雯**、劉強、相子元、蔡邦和 (2014)：運動生物力學應用在棒壘球運動機能襪之研發。《體育學報》，47(3)，377-390。(TSSCI)
22. **Wen-Wen Yang**, Ya-Chen Liu, Lee-Chang Lu, Hsiao-Yun Chang, Paul Pei-Hsi Chou, Chiang Liu (2013). Performance enhancement among adolescent players after 10 weeks pitching training with appropriate baseball weights. *Journal of Strength and Conditioning Research*. 27(12), 3245-3251. (SCI, IF=2.973; Ranked: 19/85 in Sport Sciences)

23. 李惠芳、楊雯雯、陳韋翰、郭癸賓、劉 強 (2013)：模擬爬梯機與一般爬梯之關節角度與肌肉活化的比較。大專體育學刊，15(3)，328-338。(TSSCI)
24. 陳明煒、楊雯雯、張恩崇、劉 強 (2012)：新型 MVA200排球球體物理特性分析及其對球員知覺辨識之影響。體育學報，45(4)，279-288。(TSSCI)
25. 陳韋翰、潘玟璇、楊雯雯、鐘寶弘、劉 強 (2012)：新式屈腕肌力訓練機在輕重阻力下對下肢肌電與運動範圍的影響。醫用生物力學。27(4)，398-402。(Scopus)
26. 劉 強、楊雯雯、許明容、王如鳳 (2012)：局部振動刺激對肱二頭肌血紅蛋白的影響。醫用生物力學。27(3)，324-328。(Scopus)
27. 鍾寶弘、廖英宏、楊雯雯、陳全壽、劉 強 (2012)：不同角度腕關節屈伸力量與動作範圍之比較。華人運動生物力學期刊，6，29-35。(TSSCI)
28. 劉 強、楊雯雯、王子瑋、陳全壽、相子元 (2011)：局部低頻振動刺激對手部運動功能的瞬時影響。醫用生物力學。26(4)，310-314。(Scopus)
29. 楊雯雯、劉博豪、Richard William Smith、陳婉菁 (2010)：震動刺激介入的靜態伸展對於肩關節柔軟度之立即影響。華人運動生物力學期刊，3，1-6。(TSSCI)

## B. 專利 Patent

相子元、楊雯雯、陳韋翰、王思慈。2019。用於跑步機之反作用力偵測系統及其偵測方法。