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教研領域：體育科學，運動生物力學，舞蹈表現分析

## 學歷 Academic Qualification

博士研究生-西班牙聖安東尼奧天主教大學 — 體育科學  
碩士研究生 -北京體育大學 — 體育教育訓練學  
碩士研究生 -馬德里歐洲大學 — 體育市場行銷  
本科學士 - 北京體育大學 — 舞蹈表演 — 體育舞蹈

## 工作經驗 Working Experience

澳門科技大學通識教育部-講師  
西班牙弗拉門研究中心 Telethusa-合作研究員；編輯委員會成員

## 學術成果 Academic Achievements

- [1] Zhang, N., Gómez-Lozano, S., Armstrong, R., Liu, H., & Vargas-Macías, A. (2022). External load of flamenco Zap-3 footwork test: use of PlayerLoad concept with triaxial accelerometry. *Sensors*, 22(13), 4847. JCR : 3.847 (2022) - SCIE: Q2
- [2] Zhang, N., Lozano, S. G., & Macías, A. V. (2022). Hotspots and trends of flamenco dance research: A CiteSpace analysis. *Cultura, ciencia y deporte*, 17(53), 99-108. SCOPUS - SJR 0.22 - Q3
- [3] Zhang, N., Gómez-Lozano, S., Armstrong, R., Liu, H., & Vargas-Macías, A. (2023). Ankle Active Range of Motion as an Essential Factor of Footwork Technique in the Prevention of Overuse Injuries in Flamenco Dancers. *Archivos de Medicina del Deporte*, 40(2), 77-84. SCOPUS - SJR 0.15 - Q4
- [4] Zhang, N., Gómez-Lozano, S., Armstrong, R., Liu, H., & Vargas-Macías, A. (2023). The Effect of Lower Limb Balance Ability and Bilateral Asymmetry on Flamenco Footwork. *Cultura, Ciencia y Deporte*, 18(58), 119-128. SCOPUS - SJR 0.22 - Q3
- [5] Zhang, N., Gómez-Lozano, S., Armstrong, R., Liu, H., Abadía, O., & Vargas-Macías, A. (2023). Monitoring flamenco dance movement with Accelerometer: Methodological and practical commendations. *Revista del Centro de Investigación Flamenco Telethusa*, 17(19), 8-12. Dialnet Métricas - IDR 0.14 - Q1
- [6] Gómez Lozano, S., García Sottile, M. E., Zhang, N., Moriggi, S., León, K., & Vargas Macías, A. (2024). Kinomichi, the therapeutic Aikido. A Systematic Review. *Cultura Ciencia Deporte*, 19(59), 65-79. (corresponding) SCOPUS - SJR 0.22 - Q3
- [7] Gómez-Lozano, S., Zhang, N., Armstrong, R., León, K., Kelly-Lahon, C., Sánchez-González, P & Vargas-Macías, A. (2024). The concept of neuromuscular repatterning in dancers: a systematic review. *Healthcare*,12(3), 402. JCR 3.160 (2022) - SCIE: Q2
- [8] Zhang, N. (2024). Biomechanical Perspectives in Flamenco Dance: Use of T Triaxial Accelerometers. (Doctoral dissertation)The Universidad Católica San Antonio, Murcia. <http://hdl.handle.net/10952/7180>