



Dr. Yang Yanchao

Department of Digital and Intelligent Teacher Education | Associate Professor

Biography

Yang Yanchao, PhD, is an Associate Professor and Doctoral Supervisor, currently serving as Dean of the Department of Digital and Intelligent Language Services. His main research areas include scale development and psychometrics, applied linguistics, and digital and intelligent educational assessment. He has long focused on the development of measurement instruments in educational and linguistic research, the assessment of learners' psychological characteristics, and digital and intelligent approaches to educational evaluation. He currently serves as Associate Editor of the Journal of Language Service Studies, and as an Editorial Board Member of BMC Psychology, PLOS One, and Scientific Reports. He is also a reviewer for several SSCI-indexed journals. He has published more than 30 papers in SSCI-indexed journals such as Language Teaching Research, Learning and Instruction, and the European Journal of Education, as well as in CSSCI-indexed journals such as Shanghai Journal of Translators. His paper on the development of an academic involution scale was selected as a Wiley Highly Cited Paper in 2023. The provincial first-class blended course English Pronunciation and the provincial quality online open course English Listening, both led by him, were selected among the first batch of

recommended courses for the National Smart Education Platform for Higher Education. He has also led his team to be recognised as a provincial outstanding teaching team and has received more than ten awards in provincial and national teaching competitions. His research combines theoretical construction with methodological application. He is well versed in classical test theory, the Rasch model, network analysis, and related methods, and has developed a systematic body of research in scale development, educational measurement, and digital and intelligent educational assessment.

Professional Qualification

Associate Professor

Title and Position

Dean of Department of Digital and Intelligent Language Services

Courses Taught

Basic English, Fundamentals of Management, and Tourism English

Professional Experience

Associate Professor, Department of Digital and Intelligent Language Services, Macau
Millennium College

Associate Professor, Qinggong College, North China University of Science and Technology,
2018–2024

Educational Background

PhD in Education, University of Macau, August 2020–July 2023

Master of Education in Educational Administration and Management, The University of Hong Kong, August 2014–December 2015

Bachelor of Arts in English, School of Foreign Languages, North China University of Science and Technology, August 2004–June 2008

Research Interests

Language services, student psychology, and educational measurement

Professional Service

Associate Editor of the *Journal of Language Service Studies* and editorial board member of *BMC Psychology*, *PLOS One*, and *Scientific Reports*.

Research Outputs

Journal papers

1. Zhang S, Wang X, Song X, **Yang Y***, Peng Z, Li J and Yan W (2026) The association between perceptions of GenAI-mediated feedback for English pronunciation practice and academic engagement: the mediating role of foreign language enjoyment. *Front. Psychol.* 17:1860590. doi: 10.3389/fpsyg.2026.1860590
2. Song, X., **Yang, Y. ***, Zhang, S. *et al.* Perceived competitive school climate and academic burnout among Chinese university students in the EFL context: the mediating role of linguistic shame. *Sci Rep* (2026). <https://doi.org/10.1038/s41598-026-58249-9>
3. Zhang, H., **Yang, Y. ***, Zhang, Y. *et al.* Generative AI dependency on programming among university students: a scale development and validation study. *BMC Psychol* (2026). <https://doi.org/10.1186/s40359-026-05011-5>
4. Guo, S., **Yang, Y.***, Cui, T., Tan, Z., Yang, X., & Li, W. (2026). Development and Validation of the Short-Form Drama Addiction Motivation Scale: A Network Analysis Approach. *Acta Psychologica*, 265, 106745. <https://doi.org/10.1016/j.actpsy.2026.106745>
5. Lu, S., **Yang, Y.***, Li, W., Jing, B., & Guo, Y. (2026). Academic Tangping scale for college students in China: scale development, validation and application. *Scientific Reports*, 16(1), Article 7897. <https://doi.org/10.1038/s41598-026-38759-2>
6. Li, W., **Yang, Y.***, Lu, S., Cui, T., & Jing, B. (2026). Associations between academic

- involution and depression in Chinese undergraduates: A serial mediation analysis of rest intolerance and burnout. *Acta Psychologica*, 264, 106427. <https://doi.org/10.1016/j.actpsy.2026.106427>
7. Zhong, W., **Yang, Y.***, Jing, B., Yang, X., Tan, Z., & Wei, Q. (2025). Scale for students' attitude towards AIGC feedback in English pronunciation learning: Development, validation and application. *PloS One*, 20(10), e0335210. <https://doi.org/10.1371/journal.pone.0335210>
 8. Wang, C., **Sun, Y.***, **Yang, Y.***, Li, W., Lu, S., & Zhong, J. (2025). Development and validation of future employment anxiety scale in China. *BMC Psychology*, 13(1), Article 1066. <https://doi.org/10.1186/s40359-025-03412-6>
 9. Lu, S., **Yang, Y.**, Li, W., Wang, X., Gao, F., Wang, C., ... Dong, X. (2025). Psychometric properties of the Dance Self-efficacy Scale for Chinese college students. *Research in Dance Education*, 1–16. <https://doi.org/10.1080/14647893.2025.2570917>
 10. **Yanchao, YANG**, Zhe, SHI, Yilin, WANG, & Yang, LU (2025). Exploring Applications of ChatGPT to Improve Spoken Chinese Self-efficacy of International Students: Theoretical Rationales, Limitations, and Recommendations. *TOJET: The Turkish Online Journal of Educational Technology*, 24(3).
 11. Liu Z, Sun D, Zhang L, Wang X, **Yang Y*** (2025) The impact of classroom interaction on willingness to communicate: The mediating roles of speaking self-efficacy and foreign language enjoyment. *PLoS One* 20(7):e0328226. <https://doi.org/10.1371/journal.pone.0328226>
 12. Li, H., Wang, C., **Yang, Y.**, & Gu, Y. (2025). Teacher Support, Reading Enjoyment, and Self-Efficacy: Predictors of Student Reading Engagement and Volume. *Reading & Writing Quarterly*, 1–15. <https://doi.org/10.1080/10573569.2025.2509505>
 13. Zhong, W., & Yang, Y. (2025). From “management” to “governance”: A conceptual shift in constructing the elements of national translation capacity (從“管理”到“治理”:國家翻譯能力要素構建中的理念轉型). *Shanghai Journal of Translators*, (2), 4–9, 95. (In Chinese)
 14. Du, L., & Yang, Y.* (2025). Development of an online College English course satisfaction scale in the digital era (數位化時代背景下《大學英語》線上課程滿意度量表的構建).

Contemporary Foreign Languages Studies, (3), 152–159. (In Chinese)

15. YANG, Y., TAN, Z., & YANG, X. (2025). Fleeing Tiktok to Rednote: Leveraging Generative Technologies to Support Cross-Language Communication for Tiktok Refugees on Chinese Social Networking Platforms. *TOJET: The Turkish Online Journal of Educational Technology*, 24(2).
16. Yang, Y., Li, W., Xue, S., Huang, W., & Guo, S*. (2025). Psychometric Evaluation of Perceived Internship PUA Scale: Using Rasch Analysis. *European Journal of Education*, 60(1). <https://doi.org/10.1111/ejed.12832>
17. Liu, F., Yang, Y.*, Wang, F. (Robin), & Li, W. (2025). The English Debating Self-Efficacy Scale: Scale development, validation, and psychometric properties. *PloS One*, 20(2), e0314879-. <https://doi.org/10.1371/journal.pone.0314879>
18. Guo, Y., Wang, C., Xu, J., Gao, R., & Yang, Y. (2025). Preschool teachers' sense of teaching efficacy: Scale development and validation. *Asia Pacific Journal of Education*. <https://doi.org/10.1080/02188791.2025.2452604>
19. Zhang, Y., **Yang, Y.**, Xia, J., Wang, X., & Cai, Y. (2024). Development and validation of Academic Publishing Involution Scale for College Teachers in China. *Current Psychology*, 1-11.
20. Guo, Y., Wang, C., **Yang, Y.**, Gao, R., Li, S., & Lu, Y. (2024). The relationship between preschool teachers' sense of teaching efficacy and turnover intention during the COVID-19 pandemic: a mediation model. *Early Years*, 1-18.
21. Wang, F., **Yang, Y***, & Cui, T. (2024). Development and validation of an Academic Involution Scale for College Students in China. *Psychology in the Schools*, 61(3), 847-860.
22. **Yang, Y.**, Peng, Y., Li, W., Lu, S., Wang, C., Chen, S., & Zhong, J (2023). Psychometric evaluation of the Academic Involution Scale for College Students in China: an application of Rasch analysis. *Frontiers in Psychology*, 14, 665.
23. Cui, T., Wang, C., **Yang, Y.**, & Shao, Y. (2023). A serial mediation model testing associations between teacher–student relationship, resilience, autonomous learning and

academic performance in the Chinese EFL context. *Language Teaching Research* : LTR.
<https://doi.org/10.1177/13621688231166771>

24. Xue S, **Yang Y***, Du J and Liu F (2023) Multi-layered e-feedback anxiety: An action research study among Chinese learners using peer feedback activities in an academic writing course. *Frontiers in Psychology*. 14:1062517. doi: 10.3389/fpsyg.2023.1062517
25. **Yang, Y.**, Xue, S., Cui, T., & Teo, T. (2023). Effects of Goal Orientation on Environment Management in Technology-Based Physics Learning. *Frontiers in Psychology*, 13, 8405.
26. Xue, S*, Wang, C., & **Yang, Y***. (2022). Exploring affecting factors of and developing a framework for teachers' online instruction. *Learning and Instruction*, 82, 101665.
27. Xue, S., Du, J., & **Yang, Y.** (2021). Institutional influences on teachers' classroom technology integration: a multi-case study of teachers' uses of mobile social media at universities in China. *Asia Pacific Journal of Education*, 1-22.
28. Cui, T. & **Yang, Y***. (2022). Social relationships and grit in English as a foreign language learning among high school students: A three-wave longitudinal study. *Frontiers in Psychology*, 13:1038878. <https://doi.org/10.3389/fpsyg.2022.1038878>
29. Lyu, B., Liao, X., & **Yang, Y.** (2022). Relationships Between Temporal Leadership, Transactive Memory Systems and Team Innovation Performance. *Psychology research and behavior management*, 15, 2543–2559. <https://doi.org/10.2147/PRBM.S380989>
30. Zhang, D., Su, T., Lyu, B., **Yang, Y.**, & Zhuo, X. (2022). The effects of adolescent physical activity participation on cell phone dependence: The mediating role of self-control. *Work (Reading, Mass.)*, 72(4), 1289–1298. <https://doi.org/10.3233/WOR-210702>
31. Wang, H., Wang, Y., Lyu, B., Yang, Y., & Huang, H. (2023). Military Experience and Individual Entrepreneurship—Imprinting Theory Perspective: Empirical Evidence From China. *SAGE Open*, 13(1). <https://doi.org/10.1177/21582440231159866>

32. Lyu B, Li W, Xu M, Chen H, & Yang Y. (2021). All Normal Occupations are Sunny and Joyful: Qualitative Analysis of Thai Ladyboys' Occupational Wellbeing All Normal Occupations are Sunny and Joyful: Qualitative Analysis of Thai Ladyboys' Occupational Wellbeing. *Psychology Research and Behavior Management*, 14, 2197–2208.