

Publications:

ORCID profile: <https://orcid.org/my-orcid?orcid=0000-0002-2165-9424>

Google Scholar: h-index: 5; i10-index: 3

(<https://scholar.google.com/citations?user=efWf5W8AAAAJ&hl=zh-TW&oi=sra>)

Peer-reviewed: Selected Full-Length Journal Articles (2015 – current; *data-based; [CA] = corresponding author)

1. **Zhang B**, Wong KP, Guo C, Chen SC, Fu S, Kang R, Xiao Q, Qin J. Effects of Non-Pharmacological Interventions on the Swallowing Function of Patients With Post-Stroke Dysphagia: A Systematic Review and Network Meta-Analysis. *J Oral Rehabil.* 2025 Jan;52(1):109-120. doi: 10.1111/joor.13901. Epub 2024 Nov 12. PMID: 39532528; PMCID: PMC11680505.
2. Liu Y, **Zhang B**, Montayre J, Koduah AO, Leung AYM. Non-Pharmacological Interventions Targeting Sense of Coherence Among Older Adults and Adults With Chronic Conditions: A Meta-Analysis With Trial Sequential Analysis. *J Adv Nurs.* 2025 Jan 3. doi: 10.1111/jan.16558. Epub ahead of print. PMID: 39749849.
3. * **Zhang B**, Wong KP, Liu M, Hui V, Guo C, Liu Z, Liu Y, Xiao Q, Qin J. Effect of artificial intelligence-based video-game system on dysphagia in patients with stroke: A randomized controlled trial. *Clin Nutr.* 2024 Dec 25;45:81-90. doi: 10.1016/j.clnu.2024.12.022. Epub ahead of print. PMID: 39765160.
4. Liu M, Liu M, **Zhang B**, Fang M, Chen K, Zhang Y, Wang Q, Tian C, Wu L, Li Z. Research hotspots and frontiers of vagus nerve stimulation in stroke: a bibliometric analysis. *Front Neurosci.* 2024 Dec 11;18:1510658. doi: 10.3389/fnins.2024.1510658. PMID: 39723424; PMCID: PMC11668697.
5. ***Zhang B**, Wong KP, Liu M, Hui V, Guo C, Liu Y, Liu Z, Liu Y, Xiao Q, Qin J. Face Recognition-Driven Video Game for Dysphagia Rehabilitation in Stroke Patients: A Pilot Randomized Controlled Trial. *Arch Phys Med Rehabil.* 2024 Nov 2:S0003-9993(24)01309-1. doi: 10.1016/j.apmr.2024.10.005. Epub ahead of print. PMID: 39491573.
6. *Wong KP, **Zhang B**, Lai CYY, et al. Empowering Social Growth Through Virtual Reality-Based Intervention for Children With Attention-Deficit/Hyperactivity Disorder: 3-Arm Randomized Controlled Trial. *JMIR Serious Games.* 2024 Oct 28;12:e58963. doi: 10.2196/58963.
7. *[CA] Wong, K. P., **Zhang, B.**, Xie, Y. J., Wong, F. K. Y., Lai, C. K. Y., Chen, S. C., & Qin, J. Impacts of Job Demands on Turnover Intention Among Registered Nurses in Hong Kong Public Hospitals: Exploring the Mediating Role of Burnout and Moderating Effect of Pay Level Satisfaction. *Journal of Nursing Management*, 2024(1), 3534750.
8. ***Zhang, B.**, Ding, P., Hui, V., Wong, K. P., Liu, Y., Liu, Z., ... & Qin, J. Technology acceptance of the video game-based swallowing function training system among healthcare providers and dysphagia patients: A qualitative study. *DIGITAL HEALTH*, 10, 20552076241284830.

9. ***Zhang, B.**, Wong, A., Constantino, R.E. et al. The association between psychological distress, abusive experiences, and help-seeking among people with intimate partner violence. *BMC Public Health* 24, 1060 (2024). doi:10.1186/s12889-024-18350-y
10. Hui V, **Zhang B**, Jeon B, et al. Harnessing Health Information Technology in Domestic Violence in the United States: A Scoping Review. *Public Health Rev* 2024;45:1606654. doi: 10.3389/phrs.2024.1606654
11. Chen SC, Ruan JY, **Zhang B**, et al. Traditional Chinese medicine interventions based on meridian theory for pain relief in patients with primary dysmenorrhea: a systematic review and network meta-analysis. *Front in Med.* 2024;11:1453609. Published 2024 Sep 5. doi:10.3389/fmed.2024.1453609
12. **Zhang B**, Guo C, Hui V, et al. Evaluating the effectiveness of video-game based swallowing function training in patients with dysphagia: study protocol for a randomized controlled trial. *Trials.* 2023;24(1):735. Published 2023 Nov 16. doi:10.1186/s13063-023-07738-7
13. **Zhang B**, Wong KP, Kang R, et al. Efficacy of Robot-Assisted and Virtual Reality Interventions on Balance, Gait, and Daily Function in Patients With Stroke: A Systematic Review and Network Meta-analysis. *Arch Phys Med Rehabil.* 2023;104(10):1711-1719. doi:10.1016/j.apmr.2023.04.005
14. **Zhang B**, Wong KP, Qin J. Effects of Virtual Reality on the Limb Motor Function, Balance, Gait, and Daily Function of Patients with Stroke: Systematic Review. *Medicina (Kaunas).* 2023 Apr 21;59(4):813. doi: 10.3390/medicina59040813.
15. *Wong KP, **Zhang B**, Qin J. Unlocking Potential: The Development and User-Friendly Evaluation of a Virtual Reality Intervention for Attention-Deficit/Hyperactivity Disorder. *Applied System Innovation.* 2023; 6(6):110. <https://doi.org/10.3390/asi6060110>
16. Wong KP, Qin J, Xie YJ, **Zhang B**. Effectiveness of technology-based interventions for school-age children with attention-deficit/hyperactivity disorder: A systematic review and meta-analysis of randomised controlled trials. *JMIR Mental Health.* 22/10/2023:51459 (forthcoming/in press) doi: 10.2196/51459.
17. **Zhang B**, Li D, Liu Y, Wang J, Xiao Q. Virtual reality for limb motor function, balance, gait, cognition and daily function of stroke patients: A systematic review and meta-analysis. *J Adv Nurs.*2021 Aug;77(8):3255-3273. doi: 10.1111/jan.14800.
18. Liu Y, Wang Y, **Zhang B**, Wang J, Sun L, Xiao Q. Gastric-tube versus post-pyloric feeding in critical patients: a systematic review and meta-analysis of pulmonary aspiration- and nutrition-related outcomes. *Eur J Clin Nutr.* 2021 Sep;75(9):1337-1348. doi: 10.1038/s41430-021-00860-2.
19. Wang J, Ren D, Liu Y, Wang Y, **Zhang B**, Xiao Q. Effects of early mobilization on the prognosis of critically ill patients: A systematic review and meta-analysis. *Int J Nurs Stud.* 2020 Oct;110:103708. doi: 10.1016/j.ijnurstu.2020.103708.

20. Zhou L, **Zhang B** *, Kang R, Hui V, Wang Y, Xiao Q. (2024) Efficacy of conventional rehabilitation robot and bio-signal feedback based rehabilitation robot on upper-limb function in patients with stroke: A systematic review and network meta-analysis. *Am J Phys Med Rehabil.* (Under review)
21. *Ruan J, Yeung W, Li S, Chen L, **Zhang B**. (2025) Experiences of bedtime procrastination among Chinese clinical nurses: A qualitative study. *International Journal of nursing studies.* (Under review)
22. Kang R, **Zhang B** *, Fu S, Wang Y, Xiao Q. (2025) Application of head-mounted display-based augmented and mixed reality in nursing education: A scoping review. *Nurse Educ Today.* (Under review)
23. ***Zhang B**, Yao W, Feng Y, et al. (2024) Deep learning assisted prediction model of MAKE for patients with acute kidney injury in ICU. *International Journal of nursing studies.* (In process)
24. **Zhang B**, Zhou L, Kang R, Xuan Z, Xiao Q. (2025) Deep learning image recognition techniques for pressure ulcer management: a scoping review. *EClinicalMedicine.* (In process)
25. Ni Z, **Zhang B**, Balakrishnan V, Tee V, Batubara I, Peng M, et al. (2025) Implementation of Chatbot Technology in Health Care: A bibliometric analysis. *International Journal of nursing studies.* (In process)
26. Wang Y, Jiang M, **Zhang B**, Kim S, Kuo C, Bajgain T, et al. (2025) Leveraging Digital Health Interventions to Manage Hypertension in Low- and Middle-Income Countries: A Systematic Review and Meta-analysis of Randomized Controlled Trial. *JMIR.* (In process)
27. *Malavika E, **Zhang B**, Wong A, et al. (2024) Evaluating the Domains, Characteristics, and Relevance of Website Resources Shared in Response to Help-seeking Posts by Women with Intimate Partner Violence Experiences: Analysis of an Online Health community. *JMIR.* (In process)
28. *Hui V, **Zhang B**, Wong A, et al. (2024) The attitudes towards learning pitching competence to improve communication skills in nursing informatics course among nursing students. *Nurse Education in Practice.* (In process)
29. *Sun X, **Zhang B**, Xiao Q, et al. (2024) Mindfulness-oriented virtual reality trip system versus light music on anxiety in patients during breast biopsy surgery: A randomized controlled trial. *Journal of Clinical Nursing.* (In process)
30. *[CA] Ji B, Chen S, Chen Y, Wei W, Zhao L, **Zhang B**. (2025) Determinants of social inclusion of parents of children with autism spectrum disorder based on the SEM model: A cross-sectional study. *Journal of Clinical Nursing.* (In process)