



DR KE JIANG

-AI Lecturer / Education Researcher

MAJOR PUBLICATIONS

JIANG, K., BROWN, G. T., & MAY, L. (2026). STUDENT SELF-INITIATED SELF-ASSESSMENT IN HIGHER EDUCATION: A CROSS-DISCIPLINARY PERSPECTIVE. *HIGHER EDUCATION RESEARCH & DEVELOPMENT*.

JIANG, K., BROWN, G. T., & MAY, L. (2026). FROM BELIEF TO BEHAVIOR: MODELING SELF-ASSESSMENT AND ACADEMIC ACHIEVEMENT IN PROFESSIONAL DISCIPLINES. *ASSESSMENT & EVALUATION IN HIGHER EDUCATION*.

ZHANG, Y., ZHANG, Q., JIANG, K., LI, Y., & XIE, Q. (2026). A PROCESS FRAMEWORK OF FAMILY AI USE IN EARLY EDUCATION AND CARE. *FAMILY PROCESS*.

BROWN, G., & JIANG, K. (2025). SELF-REPORTS AS DATA SOURCES. IN *ENCYCLOPEDIA OF MEASUREMENT IN SOCIAL SCIENCES*. ELSEVIER.

RESEARCH HIGHLIGHTS

- **SELF-ASSESSMENT:** Cross-disciplinary research on student-initiated self-assessment, academic achievement and the role of GPA in higher education.
- **FAMILY, LITERACY & EARLY LEARNING:** Research on family AI use, parental literacy habits, home literacy environments, family language policy and children's pre-literacy.
- **AI-ENHANCED LEARNING:** Work on immersive learning, game-based AI, VR/AR technologies and educational applications of the metaverse.
- **TEACHER EDUCATION:** Research on professional standards, teacher dispositions, emotional labour, self-efficacy and curriculum integration.

Dr Ke Jiang is an AI lecturer and education researcher with a PhD in Education from the University of Auckland. Microsoft- and AWS-certified in AI and machine learning, his research spans educational assessment, teacher education, early childhood learning, and human-centred applications of AI in education. He has published **14 peer-reviewed journal articles**, including **four as first author**, and contributed a chapter to Elsevier's *Encyclopedia of Measurement in Social Sciences*. His work connects educational measurement, quantitative research and emerging technologies to practical questions in teaching, learning and assessment.

14

PEER-REVIEWED
JOURNAL ARTICLES

4

FIRST-AUTHOR
JOURNAL ARTICLES

1

ELSEVIER
REFERENCE CHAPTER

AREA OF EXPERTISE

- **ARTIFICIAL INTELLIGENCE IN EDUCATION**
 - Human-centred AI for teaching and learning
 - AI-enhanced immersive learning, VR/AR and game-based AI
- **EDUCATIONAL ASSESSMENT & HIGHER EDUCATION**
 - Student self-assessment, achievement and GPA
 - Self-report data, measurement and cross-disciplinary assessment research
- **TEACHER & EARLY CHILDHOOD EDUCATION**
 - Professional standards, teacher dispositions and self-efficacy
 - Early literacy, family learning environments and curriculum studies
- **RESEARCH DESIGN & SCHOLARLY COMMUNICATION**
 - Quantitative modelling and interpretation of educational data
 - Peer-reviewed publication and international conference presentation

RESEARCH CREDENTIALS

PhD in Education - The University of Auckland (2026) | Microsoft Azure AI certified
| AWS Machine Learning Engineer - Associate

REFEREED
JOURNAL
ARTICLES

14 peer-reviewed journal
articles

Four publications with Dr
Jiang as first author

Research across
assessment, early
learning, teacher
education and AI

REFEREED JOURNAL ARTICLES - 2026 TO 2025

2026

1. Zhang, Y., Zhang, Q., Jiang, K., Li, Y., & Xie, Q. (2026). A process framework of family AI use in early education and care. *Family Process*. <https://doi.org/10.1111/famp.70174>

2026

2. Jiang, K., Brown, G. T., & May, L. (2026). Student self-initiated self-assessment in higher education: A cross-disciplinary perspective. *Higher Education Research & Development*, 1-17. <https://doi.org/10.1080/07294360.2026.2660998>

2026

3. Jiang, K., Brown, G. T., & May, L. (2026). From belief to behavior: Modeling self-assessment and academic achievement in professional disciplines. *Assessment & Evaluation in Higher Education*, 1-16. <https://doi.org/10.1080/02602938.2026.2653885>

2026

4. Jiang, K., Zhang, Q., Wu, W., & Takriti, R. (2026). Effects of parental factors on children's pre-literacy: A case from China. *Early Child Development and Care*, 1-17. <https://doi.org/10.1080/03004430.2026.2616267>

2025

5. Jiang, K., Zhang, Q., Al Murshidi, G., & Takriti, R. (2025). Leading by example: Parental literacy habits stand out among family predictors of early literacy dispositions. *Reading & Writing Quarterly*, 1-18. <https://doi.org/10.1080/10573569.2025.2578492>

2025

6. Zhang, Q., Al Murshidi, G., & Jiang, K. (2025). The effect of emotional labour on job dedication among early childhood teachers in the UAE: The mediating role of teaching self-efficacy. *Early Childhood Education Journal*, 1-11. <https://doi.org/10.1007/s10643-024-01702-z>

2025

7. Zhang, Q., Yin, J., & Jiang, K. (2025). Glocalization of early childhood curriculum: An ethnographic study on the integration of the Reggio Emilia approach into the Chinese kindergarten curriculum. *Asia Pacific Education Review*, 26, 49-60. <https://doi.org/10.1007/s12564-023-09851-3>

2025

8. Zhang, Q., Yin, J., & Jiang, K. (2025). The role of demographic factors in teachers' emotional labour: Insights from a large-scale study of kindergarten teachers in China. *Social Sciences & Humanities Open*, 12, 101912. <https://doi.org/10.1016/j.ssaho.2025.101912>

PUBLICATIONS
CONTINUEDJournal articles
2024-2022Elsevier reference work
chapter2026 media research
feature

REFEREED JOURNAL ARTICLES - 2024 TO 2022

- 2024** 9. Zhang, Q., Morshedi, G., & Jiang, K. (2024). The effect of home literacy environment on preschool children's learning dispositions. *European Early Childhood Education Research Journal*, 1-18. <https://doi.org/10.1080/1350293X.2024.2446920>
- 2024** 10. Zhang, Q., Al Murshidi, G., & Jiang, K. (2024). Mapping the dimensions of family language policy for young children: The case of Emirati families. *Journal of Multilingual and Multicultural Development*, 1-16. <https://doi.org/10.1080/01434632.2024.2348607>
- 2024** 11. Zhang, Q., Wu, W., Jiang, K., & Shan, C. (2024). The arts in early childhood teacher education in China: A question of curriculum balance. *Asia-Pacific Journal of Teacher Education*, 52(1), 47-63. <https://doi.org/10.1080/1359866X.2023.2298302>
- 2023** 12. Bhullar, M., Zhang, Q., & Jiang, K. (2023). Spiritual wellbeing of international students: A New Zealand case study. *Journal of Studies in International Education*, 28(3), 482-500. <https://doi.org/10.1177/10283153231187141>
- 2022** 13. Zhang, Q., Wu, W., & Jiang, K. (2022). Standardising professional standards: A self-assessment scale for Chinese kindergarten teachers. *European Journal of Teacher Education*, 47(4), 730-748. <https://doi.org/10.1080/02619768.2022.2124913>
- 2022** 14. Zhang, Q., Hayes, J., TeHau-Grant, R., Skeoch, R., France, L., Jiang, K., & Barnes, R. (2022). Positioning dispositions in initial teacher education: An action research approach. *Australian Journal of Teacher Education*, 47(4), 39-54. <https://search.informit.org/doi/10.3316/informit.652763214524838>

REFERENCE WORK CHAPTER

Brown, G., & Jiang, K. (2025). Self-reports as data sources. In S. Sinharay (Ed.), *Encyclopedia of Measurement in Social Sciences* (pp. 1-8). Elsevier. <https://doi.org/10.1016/B978-0-443-26629-4.00022-8>

MEDIA FEATURE

Jiang, K., & Brown, G. T. L. (2026). Why intention drives self, assessment and academic performance. Faculti Media Limited. <https://doi.org/10.64240/8d8c12c769>

CONFERENCE
PRESENTATIONSInternational Test
Commission - AucklandSIG 1 Conference -
Barcelona

iLRN - California

NZARE - Palmerston
North

CONFERENCE PRESENTATIONS

- 1 Jiang, K., Brown, G., & May, L. (2026, June 30 - July 3). *Role of GPA in student self-initiated self-assessment in higher education*. Paper presented at the International Test Commission Biennial Conference, Auckland, New Zealand.
- 2 Jiang, K., Brown, G., & May, L. (2024, June 26-28). *Student self-initiated self-assessment in higher education: A cross-disciplinary perspective*. Paper presented at the SIG 1 Conference, Universitat Oberta de Catalunya, Barcelona, Spain.
- 3 Jiang, K. (2023). *Immersive Learning Research Network (iLRN 2023)*, California Polytechnic State University. Presented on AI-enhanced immersive learning, game-based AI, VR/AR technologies, and the educational applications of the metaverse for evidence-based teaching and learning.
- 4 Jiang, K., Brown, G., & May, L. (2023, November 20-22). *Student self-initiated self-assessment within e-portfolio use in higher education in New Zealand*. Paper presented at the NZARE Conference, Massey University, Palmerston North, New Zealand.

RESEARCH AND ACADEMIC CREDENTIALS

- **PhD in Education** - The University of Auckland (2026)
- **Master of Applied Professional Studies (Adult Teaching)** - Toi Ohomai Institute of Technology (2021)
- **Bachelor of Creative Technologies** - Auckland University of Technology (2014)
- **AI certifications:** Microsoft Azure AI Apps and Agents Developer Associate; Microsoft Azure AI Fundamentals; AWS Certified Machine Learning Engineer - Associate