

CHENGAN YUAN

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Google Scholar: <https://scholar.google.com/citations?user=AoYhht4AAAAJ&hl=en>

ResearchGate: <https://www.researchgate.net/profile/Chengan-Yuan>

EDUCATION

2018	PhD, Teaching and Learning (Special Education)	University of Iowa
2009	MAppPsy <i>1st class hon</i> s, Behaviour Analysis	University of Waikato
2006	BSocSci, Psychology	University of Waikato

PROFESSIONAL CERTIFICATION

1–11–8783 Board Certified Behavior Analyst–Doctoral

PROFESSIONAL EXPERIENCE

2018 – Assistant Professor, Special Education—Applied Behavior Analysis, Division of Educational Leadership and Innovation, Mary Lou Fulton Teachers College, Arizona State University, Tempe, AZ

2014 – 2018 Graduate Teaching Assistant, Department of Teaching and Learning, College of Education, University of Iowa, Iowa City, IA

2010 – 2014 Case Manager and Supervisor, Jeddah Institute for Speech and Hearing, Jeddah, Kingdom of Saudi Arabia

2007 – 2009 Psychology Sessional Teaching Assistant, School of Psychology, Faculty of Arts and Social Sciences, University of Waikato, Hamilton, New Zealand

PEER-REVIEWED PUBLICATIONS

(Underlined are student authors at the time of the study; * denotes a practitioner collaborator)

21. Wang, L., Yuan, C., He, J., & Jiang, B. (Accept). Acquisition of digital literacy skills in learners with developmental disabilities. *Intellectual and Developmental Disabilities*.

20. Yuan, C., Wang, L., Matus, J., Hart Barnett, J. E., & Rotheram-Fuller, E. (2025). Reexamining reciprocity in autism: A systematic review. *Review Journal of Autism and Developmental Disorders*. Advance online publication. <https://doi.org/10.1007/s40489-025-00494-1>

19. Yuan, C., Wang, L., Long, M.*, & Zheng, S.* (2024). Promoting reciprocity during pretend play in children with autism. *Journal of Behavioral Education*. Advance online publication. <https://doi.org/10.1007/s10864-024-09553-9>

18. **Yuan, C.**, & Hart Barnett, J. E. (2024). Developing quality IEP goals in the age of artificial intelligence. *TEACHING Exceptional Children*. Advance online publication. <https://doi.org/10.1177/00400599241239311>
17. **Yuan, C.**, Wang, L., Huo, Z*, & Min, Q*. (2024). Teaching cooperation to children with autism during play. *Journal of Developmental and Physical Disabilities*, 36(5), 865–884. <https://doi.org/10.1007/s10882-023-09945-1>
16. **Yuan, C.**, Wang, L., Milutinovic, N.*, & Min, Q.* (2024). Teaching children with autism through sibling interventionists coached via telehealth. *Journal of Developmental and Physical Disabilities*, 36(3), 441–459. <https://doi.org/10.1007/s10882-023-09917-5>
15. Wang, L., **Yuan, C.**, Alsharif, S, Zhang, Q. A., & Du, Y. (2024). What predicts within-participant replication in single-case comparisons? A logistic regression analysis. *Remedial and Special Education*, 45(2), 112-124. <https://doi.org/10.1177/07419325231190808>
14. **Yuan, C.**, & Wang, L. (2024). Group instruction for young children with autism: A systematic review. *Journal of Behavioral Education*. 33(4), 831-861. <https://doi.org/10.1007/s10864-023-09510-y>
13. **Yuan, C.**, Wang, L., Zhang, Q. A., Min, Q.*, Rotheram-Fuller, E., & Hart Barnett, J. (2024). Teaching children with autism through self-monitored sibling-implemented intervention. *Journal of Behavioral Education*, 33(3), 541-560. <https://doi.org/10.1007/s10864-023-09507-7>
12. **Yuan, C.**, Deng, X.*, Zhu, J., & Wang, C. (2023). Comparing a modified simple-conditional with the conditional-only methods in teaching Chinese children with autism. *Journal of Applied Behavior Analysis*, 56(3), 696-704. <https://doi.org/10.1002/jaba.1006>
11. Balint-Langel, K., **Yuan, C.**, & Hua, Y. (2022). Teaching Calendar application on mobile devices to young adults with intellectual and developmental disabilities. *Journal of Special Education Technology*, 37(1), 11-21. <https://doi.org/10.1177/0162643420933575>
10. Zhu, J., Bruhn, A., **Yuan, C.**, & Wang, L. (2021). Comparing videoconference and email feedback on treatment integrity. *Journal of Applied Behavior Analysis*, 54(2), 618-635. <https://doi.org/10.1002/jaba.810>
9. **Yuan, C.**, & Zhu, J. (2020). An evaluation of prompting procedures in error correction for children with autism. *Behavioral Interventions*, 35(4), 581-594. <https://doi.org/10.1002/bin.1733>
8. **Yuan, C.**, & Chen, L.* (2020). Improving reciprocal conversation and social preference of children with autism. *Exceptional Children*, 87(1), 113-132. <https://doi.org/10.1177/0014402920926460>
7. Zhu, J., Hua, Y., & **Yuan, C.** (2020) Effects of remote performance feedback on procedural integrity of early intensive behavioral intervention programs in China.

Journal of Behavioral Education, 29(2), 339-353. <https://doi.org/10.1007/s10864-020-09380-8>

6. Hua, Y., Hinzman, M., **Yuan, C.**, & Balint Langel, K. (2020). Comparing the effects of two reading interventions using a randomized alternating treatment design. *Exceptional Children*, 86(4), 355-373. <https://doi.org/10.1177/0014402919881357>
5. **Yuan, C.**, Hua, Y., & Zhu, J. (2019). The role of reinforcement in multiple response repetition error correction and treatment preference of Chinese children with autism. *Journal of Autism and Developmental Disorders*, 49(9), 3704-3715. <https://doi.org/10.1007/s10803-019-04086-x>
4. **Yuan, C.**, Balint-Langel, K., & Hua, Y. (2019). Effects of constant time delay on route planning using Google Maps for young adults with intellectual and developmental disabilities. *Education and Training in Autism and Developmental Disabilities*, 54(3), 215-224.
3. Hua, Y., Woods-Groves, S., & **Yuan, C.** (2019). Literacy interventions for young adults with intellectual and developmental disabilities in the inclusive postsecondary education settings: A review of a program of research. *Journal of Inclusive Postsecondary Education*, 1(1). <https://doi.org/10.13021/jipe.2019.2456>
2. Hua, Y., **Yuan, C.**, Monroe, K., Hinzman, M. L., Alqahtani, S., Alwahbi, A. A., & Kern, A. M. (2018). Effects of the Reread-Adapt and Answer-Comprehend and goal setting Intervention on decoding and reading comprehension skills of young adults with intellectual disabilities. *Developmental Neurorehabilitation*, 21(5), 279-289. <https://doi.org/10.3109/17518423.2016.1139011>
1. Hua, Y., Ford, J. W., **Yuan, C.**, Monroe, K., & Therrien, W. J. (2016). Implementing the Reread-Adapt and Answer-Comprehend intervention and reinforcement contingency for learners with intellectual disability. *Journal of Evidence-Based Practices for Schools*, 15(1), 110-133.

EDITORIALLY REVIEWED PUBLICATION

Yuan, C., & Hua, Y. (2020). Treatment preference evaluation. In F. R. Volkmar (Ed.). *Encyclopedia of autism spectrum disorders* (2nd ed.). New York, NY: Springer. https://doi.org/10.1007/978-1-4614-6435-8_102509-1

REFEREED CONFERENCE PRESENTATIONS

(Underlined are student authors at the time of study; * denotes a practitioner collaborator)

Matus, J., Koro, M., & **Yuan, C.** (2024, November 22). *Unraveling homeschooling dynamics for children with autism: Insights from behavior analysts*. The 2024 Teacher Educators for Children with Behavior Disorders Conference, Tempe, AZ, United States.

Matus, J., & **Yuan, C.** (2024, November 22). *Acceptance and Commitment Therapy: A systematic review of its applications in K-12 school settings*. The 2024 Teacher Educators for Children with Behavior Disorders Conference, Tempe, AZ, United States.

- Yuan, C., Wang, L., & Zheng, S***. (2022, May 29). *Improving reciprocity during pretend play for children with autism*. [Poster presentation]. Association for Behavior Analysis International 48th Annual Convention, Boston, MA, United States.
- Yuan, C., Wang, L., Min, Q.*, & Huo, Z.*** (2022, May 28). *Increasing cooperation in children with autism during play*. [Poster presentation]. Association for Behavior Analysis International 48th Annual Convention, Boston, MA, United States.
- DiGangi, S., Yuan, C., & DiGangi, E. A.** (2022, May 28). *Arizona State University – Mary Lou Fulton Teachers College – special education online applied behavior analysis program*. [Poster presentation]. Association for Behavior Analysis International 48th Annual Convention, Boston, MA, United States.
- Yuan, C., Wang, L., Milutinovic, N.*, Zhang, Q., Min, Q.*** (2022, April 8). *Self-managed Sibling-Mediated Intervention for Children with Autism*. [Poster presentation]. Verbal Behavior Conference, Austin, TX, United States.
- Yuan, C., Wang, L., Milutinovic, N.*, Zhang, Q., Min, Q.*** (2021, May). *Self-managed Sibling-Mediated Intervention for Children with Autism*. [Poster presentation]. Association for Behavior Analysis International 47th Annual Convention, Virtual.
- Yuan, C., Wang, L., Nguyen, K., Alsharif, S., Zhang, Q.** (2021, May). *Predicting the Relative Efficiency of Interventions: A Systematic Review of Within-Subject Replicability in Single-Subject Comparisons*. [Poster presentation]. Association for Behavior Analysis International 47th Annual Convention, Virtual.
- Chen, L.*, & Yuan, C.** (2020, May). Effects of a group contingency on reciprocal conversation and social preference of children with autism. In **C. Yuan** (Chair), *Fostering a researcher-practitioner model in autism intervention in China: Two study examples* [Symposium]. Association for Behavior Analysis International 46th Annual Convention, Virtual.
- Wang, L., Yuan, C., & Zhang, Q.** (2020, May). Improving delayed recall of children with autism through instruction on rehearsal strategy and reinforcement. In **C. Yuan** (Chair), *Fostering a researcher-practitioner model in autism intervention in China: Two study examples* [Symposium]. Association for Behavior Analysis International 46th Annual Convention, Virtual.
- Balint-Langel, K., Yuan, C., & Hua, Y.** (2020, February 8). *Teaching Calendar Application on Mobile Devices to Young Adults with Intellectual and Developmental Disabilities* [Poster presentation]. CEC 2020 Special Education Convention and Expo, Portland, OR, United States.
- Yuan, C.** (2019, May). The effects of prompts in error correction in early behavioral intervention for children with autism. Poster presentation at the Association for Behavior Analysis International 45th Annual Convention, Chicago, IL.
- Yuan, C., & Hua, Y.** (2018, May). Comparing error-correction procedures in early behavioral intervention for children with autism in China. In Y. Hua (Chair), *Improving learning outcomes of children with autism in China*. Symposium

conducted at the Association for Behavior Analysis International 44th Annual Convention, San Diego, CA.

Balint-Langel, K., & **Yuan, C.** (2016, May). Effects of teaching apps to young adults with intellectual disabilities on functional life skills. In S. Woods-Groves (Chair), *Teaching academic and functional life skills to young adults with intellectual disabilities*. Symposium conducted at the Association for Behavior Analysis International 42nd Annual Convention, Chicago, IL.

Yuan, C., Zhu, J., & Hua, Y. (2016, May). China's first online BCaBA® course sequence and recent development. Poster presentation at the Association for Behavior Analysis International 42nd Annual Convention, Chicago, IL.

Monroe-Pei, K., **Yuan, C.**, & Hua, Y. (2015, May). Effects of guided notes and strategy on learning outcomes of young adults with intellectual disabilities. In D. J. Ferko (Chair), *Effective academic interventions for young adults with intellectual disabilities at the postsecondary education setting*. Symposium conducted at the Association for Behavior Analysis International 41st Annual Convention, San Antonio, TX.

Yuan, C., Guo, Y., & Hua, Y. (2015, May). ABAI China Chapter and the University of Iowa's BCaBA® course sequence. Poster presentation at the Association for Behavior Analysis International 41st Annual Convention, San Antonio, TX.

Yuan, C., & Ainsleigh, S. (2014, May). Fixed versus variable schedules of performance monitoring on program implementation. In S. Ainsleigh (Chair), *Improving outcome of intensive behavioral intervention*. Symposium conducted at the Association for Behavior Analysis International 40th Annual Convention, Chicago, IL.

Yuan, C., & Ibrahim, S. (2014, May). Using structural analysis to increase active student responding. In S. Ainsleigh (Chair), *Improving outcome of intensive behavioral intervention*. Symposium conducted at the Association for Behavior Analysis International 40th Annual Convention, Chicago, IL.

WORKSHOP AND PANEL DISCUSSIONS

Yuan, C., & Hart Barnett, J. (2024, November 29). Developing quality IEP goals in the age of AI. *CIDDL: Artificial intelligence for IEP development* [Panel presentation]. Virtual. <https://ciddl.org/artificial-intelligence-for-iep-development/>

Yuan, C., & Thurber, D. (2021, April 21). Reducing barriers in online assessments. In S. Rice (Facilitator), *Arizona State University and U.S. Embassy-Rabat Universal design for learning webinar series* [Panel presentation]. Virtual.

Yuan, C., Jaffrey, S., & Ibrahim, S. (2014, March). Using behavioral assessment methodologies to strengthen therapy sessions. Jeddah Institute for Speech and Hearing 15th Annual Symposium on Communication Disorders, Jeddah, Kingdom of Saudi Arabia.

INVITED PRESENTATIONS

- Yuan, C.** (2023, September 23). *Single-Case Experimental Designs seminar*. In J. Hart Barnett (2023) SPE 791d: Single-Subject Design/Single-Case Research #87012. Virtual.
- Yuan, C.** (2023, March 28). *Higher Education Partnership—Morocco (HEP-M) Research Learning Collaborative: Single-case experimental design*. Virtual.
- Yuan, C., Kurz, A., & Oakes, W. P.** (2022, May 19). *Single-case design research: An introduction. A presentation at the Research and Practice in Primary Teacher Preparation conference [invited]*. Ben Guerir, Morocco.
- Yuan, C.** (2022, April 16). *Reading the literature and research in behavior analysis*. Applied Behavior Analysis Elective Course, Urban Vocational College of Sichuan Center for Behavioral Development and Research. Virtual.
- Yuan, C.** (2019, February). *Single-subject research design in evaluating the effects of reading interventions*. First International Conference for Talent People with Disabilities. Jeddah, Kingdom of Saudi Arabia.

GRANTS (Underlined are student collaborators)

- 2024 *Developing CART—the Collaborative Action and Reflection Toolkit: Advancing Principled Innovation Through Improved Collaboration Among Educational Stakeholders*
Mary Lou Fulton Teachers College Principled Innovation Mini Project
\$1,302.6 Co-PI Jessica Matus
Role: Principal Investigator
Role in Preparation: Co-author with Jessica Matus
- 2022 *Preparing Productive Special Education Scholars to Lead in Evidence-based Practices in Comprehensive, Integrated, Three-tiered (Ci3T) Models of Prevention (Project EPIC)*
U.S. Department of Education, Office of Special Education Programs
New Awards; Personnel Development to Improve Services and Results for Children with Disabilities--Preparation of Special Education, Early Intervention, and Related Services Leadership Personnel; Absolute Priority 1: Preparation of Special Education, Early Intervention, and Related Services Faculty.
\$2,500,000 Total; ASU: 1,250,000 PI: Wendy Oakes
Role: Co-Principal Investigator
Role in Preparation: Co-author with Wendy Oakes, Kathleen Lane (KU), and Kathleen Zimmerman (KU)
- 2021 *Effects of sibling-mediated intervention for children with autism*.
Mary Lou Teachers College 2021-22 MLFTC Internal Grant, Arizona State University
\$14,279. Co-PIs Erin Rotheram-Fuller and Juliet Hart Barnett
Role: Principal Investigator
Role in Preparation: Author

AWARDS

University of Iowa

2018	Graduate Student Senate Travel Funds Award (\$750)
2018	Graduate Student Research Award (\$500)
2015, 2016, 2018	Audrey Qualls Travel Award (\$300)
2015, 2016, 2018	Office of the Dean Graduate Student Travel Award (\$300)

University of Waikato

2008	FASS Masters Thesis Award
2007	FASS Honours Award

COURSES TAUGHT (* denotes course development)

Arizona State University

SPE 526*	Concepts and Principles of Applied Behavior Analysis
SPE 527	Behavior Analytic Assessments
SPE 560*	Behavior Change Procedures: Implementing Interventions in Behavior Analysis
SPE 564	Controversial Therapies: Science, Fad and Pseudoscience in Educational Settings
SPE 566	Applied Behavior Analysis in Inclusive Settings
SPE 567	Ethics of Applied Behavior Analysis
SPE 593	Applied Project
SPE 598*	Multiculturalism and Diversity in Applied Behavior Analysis

University of Iowa

BCaBA course sequence

EDTL 5961*	Foundations of Applied Behavior Analysis
EDTL 5963	Ethics and Professional Conduct of Behavior Analysts
EDTL 7953	Single Subject Research Design
EDTL 5964	Behavior Analyst Practicum (as a BCBA® supervisor, remote)

Other courses

EDTL 4900	Foundations of Special Education
EDTL 6975	Explicit Instruction

University of Waikato (tutorial sessions only)

PSYC 307	Research Methods
PSYC 225	Behavioural Psychology and Learning
PSYC 208	Psychological Research: Analysis, Design and Measurement
PSYC 103	General and Experimental Psychology

ADVISING

2023—current	Co-Advisor (with Wendy Oakes), PhD in Learning, Literacies and Technology, Jessica Matus Award: 2024 Robert B. Rutherford Scholarship
2024—current	Committee Member, EdD in Leadership and Innovation, Rebecca Archer
2024—current	Committee Member, EdD in Leadership and Innovation, David Lopez
2024—current	Committee Member, EdD in Leadership and Innovation, Russel Reiten

SERVICE

Journal Manuscript Reviewer

Behavior Analysis in Practice, Education and Training in Autism and Developmental Disabilities, Education and Treatment of Children, Exceptional Children, Journal of Behavioral Education, Journal of Evidence-Based Practices for Schools, Remedial and Special Education

Editorial Board

2024 – Research in Special Education

Grant Proposal Reviewer

2023 French National Research Agency (ANR), AAPG 2023, Panel CE28—
Cognition, behavior, language

College and Institution

2025 Reviewer, New/Revised Course Materials for SPE 598
2024 Member, MLFTC Governance Committee Teaching Evaluation
Subcommittee
2024 Roundtable Discussion Facilitator, TEI Egypt: Research Network
Roundtables, Mary Lou Fulton Teachers College
2024 Roundtable Discussion Facilitator, HEP-Morocco Residency
Roundtables, Mary Lou Fulton Teachers College
2024 ABA Program Faculty Associate Search Committee
2024 Reviewer, New/Revised Course Materials for SPE 448 and SPE 450
2023 2023-24 MLFTC Internal Grants
2022, 2023, 2024 ABA Program Academic Associate Search Committee
2021, 2022, 2023 Reviewer, the Graduate College's Outstanding Faculty Mentor Awards

PROFESSIONAL MEMBERSHIP

Association for Behavior Analysis International
Council for Exceptional Children