

## CHENGAN YUAN

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## EDUCATION

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

## 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)

16. Wang, L., Yuan, C., Alsharif, S., Zhang, Q. A., & Du, Y. (2023). What predicts within-participant replication in single-case comparisons? A logistic regression analysis. *Remedial and Special Education*. <https://doi.org/10.1177/07419325231190808>
15. Yuan, C., Wang, L., Milutinovic, N.\*, & Min, Q. \* (2023). Teaching children with autism through sibling interventionists coached via telehealth. *Journal of Developmental and Physical Disabilities*. Advance online publication. <https://doi.org/10.1007/s10882-023-09917-5>
14. 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*. Advance online publication. <https://doi.org/10.1002/jaba.1006>
13. Yuan, C., Wang, L., Zhang, Q. A., Min, Q.\*, Rotheram-Fuller, E., & Hart Barnett, J. (2023). Teaching children with autism through self-monitored sibling-implemented

- intervention. *Journal of Behavioral Education*. Advance online publication. <https://doi.org/10.1007/s10864-023-09507-7>
12. **Yuan, C., & Wang, L.** (2023). Group instruction for young children with autism: A systematic review. *Journal of Behavioral Education*. Advance online publication. <https://doi.org/10.1007/s10864-023-09510-y>
  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.

#### OTHER SCHOLARLY CONTRIBUTION

**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](https://doi.org/10.1007/978-1-4614-6435-8_102509-1)

#### REFEREED CONFERENCE PRESENTATIONS

**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 48<sup>th</sup> 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 48<sup>th</sup> 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 48<sup>th</sup> 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 47<sup>th</sup> 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 47<sup>th</sup> 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 46<sup>th</sup> 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 46<sup>th</sup> 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 45<sup>th</sup> 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 44<sup>th</sup> 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 42<sup>nd</sup> Annual Convention, Chicago, IL.

**Yuan, C.**, Zhu, J., & Hua, Y. (2016, May). China's first online BCaBA<sup>®</sup> course sequence and recent development. Poster presentation at the Association for Behavior Analysis International 42<sup>nd</sup> 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 41<sup>st</sup> Annual Convention, San Antonio, TX.

**Yuan, C.**, Guo, Y., & Hua, Y. (2015, May). ABAI China Chapter and the University of Iowa's BCaBA<sup>®</sup> course sequence. Poster presentation at the Association for Behavior Analysis International 41<sup>st</sup> 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 40<sup>th</sup> 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 40<sup>th</sup> Annual Convention, Chicago, IL.

## INVITED PRESENTATIONS

**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.

### WORKSHOP AND PANEL DISCUSSIONS

**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 15<sup>th</sup> Annual Symposium on Communication Disorders, Jeddah, Kingdom of Saudi Arabia.

### GRANTS

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

**TEACHING** (\* 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 566 Applied Behavior Analysis in Inclusive Settings  
SPE 567 Ethics of Applied Behavior Analysis  
SPE 593 Applied Project

University of Iowa

*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)

*Special education courses*

EDTL 4900 Foundations of Special Education  
EDTL 6975 Explicit Instruction

University of Waikato

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

**SERVICE**

Journal Manuscript Review

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

Grant Proposal Review

2023 2023-24 MLFTC Internal Grants  
2023 Appel à projets générique 2023, CE28—Cognition, comportements, langage, Agence Nationale de la Recherche—French National Research Agency

Institution

2022, 2023 Applied Behavior Analysis Program Co-Instructor Search Committee  
2021, 2022 Reviewer for the Graduate College's Outstanding Faculty Mentor Awards

**PROFESSIONAL AFFILIATIONS**

Association for Behavior Analysis International  
Council for Exceptional Children