

QIYANG ZHANG

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EDUCATION

Johns Hopkins University, Baltimore, MD 2023
Ph.D. in Education

Advisor and Committee Chair: Hunter Gehlbach

Committee Members: Amanda Neitzel, Lieny Jeon, Joseph Bayer, Alan Cheung

University of Pennsylvania, Philadelphia, PA August 2019 - July 2020
M.S.Ed. in Education Policy

National University of Singapore, Singapore August 2015 - June 2019
B.E. in Industrial Systems Engineering
B.A. in Economics, with Honors and Distinction

RESEARCH INTERESTS

- Meta-analysis and systematic review
- Evidence-based Research
- Educational policies
- Students' mental health

PUBLICATIONS [*# = corresponding author; * = equal contribution*]

Google Scholar total citations = 178, h-index = 8

PEER-REVIEWED JOURNAL ARTICLES

1. **Zhang, Q.*#** (2023). Harnessing the power of technology: A systematic analysis of challenges, theoretical frameworks, and practical recommendations for K-12 online learning. *SN Social Sciences*. [\[DOI\]](#) (IF: 0.3)
2. Renbarger, R., Adelson, J. L., Rosenberg, J. M., Stegenga, S., Lowrey, O., Buckley, P. R., & **Zhang, Q.** (2023). Champions of open science in education: What journal reviewers can do to encourage open science practices. *Gifted Child Quarterly*. [\[DOI\]](#) (IF: 3.49, citations = 1)
3. **Zhang, Q.*#**, & Neitzel, A. J. (2023). Choosing the right tool for the job: Screening tools for systematic reviews in education. *Journal of Research on Educational Effectiveness*. [\[DOI\]](#) (IF: 2.27, citations = 3)
4. **Zhang, Q.*#**, Xiong, Y., Prasath, P., & Byun, S. (2023). The relationship between international students' perceived discrimination and self-reported overall health during COVID-19: Indirect associations through positive emotions and perceived social support. *Journal of International Students*. [\[DOI\]](#) (IF: 2.23)
5. Prasath, P., Xiong, Y., & **Zhang, Q.** (2023). A practical guide to implementing the mindfulness-based well-being group for international students (MBWIS). *Journal of Humanistic Counseling*. [\[DOI\]](#) (IF: 0.89)

6. Xiong, Y., Prasath, P., **Zhang, Q.**, Jeon, L., & Pillay, Y. (2023). A mindfulness-based well-being group for international students during the COVID-19 pandemic: Group leader reflections/feedback/experiences. *Journal for Specialists in Group Work*. [DOI] (IF: 1.02)
7. **Zhang, Q.**[#], Wang, J., & Neitzel A. (2023). School-based mental health interventions targeting depression or anxiety: A meta-analysis of rigorous randomized controlled trials for youth and adolescents. *Journal of Youth and Adolescence*. [DOI] (IF: 5.45, citation = 17)
8. **Zhang, Q.**[#], & Pallath, A. (2022) Paperfetcher: A tool to automate handsearching and citation searching in systematic reviews. *Research Synthesis Methods*. [DOI] (IF: 10.36, citations = 10)
9. Prasath, P., Xiong, Y., **Zhang, Q.**, & Jeon, L. (2022). Psychological capital, wellbeing, and distress of international college students. *International Journal for the Advancement of Counselling*. [DOI] (IF: 1.91, citations = 12)
10. Prasath, P., Xiong, Y., **Zhang, Q.**, & Jeon, L. (2022). A self-efficacy development of graduate student leaders in facilitating group for international students. *International Journal of Group Psychotherapy*. [DOI] (IF: 0.98, citations = 5)
11. Xiong, Y., Prasath, P., **Zhang, Q.**, & Jeon, L. (2022). International students' perceived discrimination and psychological distress during the COVID-19 Pandemic. *Journal of American College Health*. [DOI] (IF: 2.60, citations = 27)
12. Xiong, Y., Prasath, P., **Zhang, Q.** & Jeon, L. (2022). A mindfulness-based wellbeing group for international students: A pilot study. *Journal of Counseling and Development*. [DOI] (IF: 2.98, citations = 12)
13. **Zhang, Q.**[#], & Storey, N. (2022). Controversies behind COVID learning loss: Historical issues, current measurements, and future strategies. *Theory into Practice*, 61:3, 300-311 [DOI] (IF: 3.49, citations = 4)
14. **Zhang, Q.**[#] (2021). The cost of illiteracy: A causal inference study on how illiteracy affects physical and mental health. *Health Education Journal*. [DOI] (IF: 1.63, citations = 11)

SUBMITTED MANUSCRIPTS

1. **Zhang, Q.**[#], Wang, X., Tian, XR., & Gehlbach, H. (under review). Social support at your fingertips: Exploring the correlation between students' social media usage and social support through meta-analysis.
2. Storey, N., & **Zhang, Q.**^{*} (under review). A meta-analysis of Covid learning loss. (citations = 35)
3. Wang, X., **Zhang, Q.**, Chen, A., & Neitzel, A. (under review). Effects of learning strategy training on English language proficiency and learning autonomy of university learners in China: A meta-analysis.
4. **Zhang, Q.**[#], Pellegrini, M., & Marsili, F. (under review). Investigating systematic reviewers' practices: A survey on handsearching, citation chasing, and screening tool adoption in education.

PREPRINTS

1. Storey, N., & **Zhang, Q.**^{*} (2021, September 10). A Meta-analysis of COVID Learning Loss. [Preprint]

2. Neitzel, A., **Zhang, Q.**, & Slavin, R. (2022, September 29). Effects of varying inclusion criteria in published meta-analyses: Two case studies. [\[Preprint\]](#)

TECHNICAL REPORTS

Zhang, Q.[#], & Neitzel, A. (2021). Reading roots 5th edition: Reading "Between the lions": Project summary and evaluation. [\[ERIC\]](#)

BOOK REVIEWS

Zhang, Q.[#] & Mittal, S. (2021). Book review of international mobility and educational desire: Chinese foreign talent students in Singapore by Peidong Yang. *Perspectives on Urban Education Journal* (Spring Issue, Volume 18, Issue 2)

WORKING PAPERS

1. Bayer, J., Lee, S.D., **Zhang, Q.**, & Lu, Y. Different types of daily momentary networks and social connection.
2. **Zhang, Q.** The impact of social media interventions on mental health: A comprehensive meta-analysis.
3. **Zhang, Q.** & Wu, J. Exploring the social media ban in Florida: A phenomenological investigation through interviews.
4. **Zhang, Q.** & Li, L. Exploring international students' social media usage, social support, and well-being: A cross-cultural survey.
5. **Zhang, Q.** & Li, L. Adapting across borders: A study of international students' changing social media usage patterns during the transition period
6. **Zhang, Q.**, Robinson, C.D., & Gehlbach, H. Demographic similarity, perceived similarity, and actual similarity in teacher-student relationship.
7. **Zhang, Q.**, Grant, A., Pellegrini, M., & Neitzel A. A meta-analysis of teacher salary and turnover in the United States and China.
8. **Zhang, Q.** & Scanlan, M. The "mother tongue" bilingual education policy in Singapore.
9. Wang, X., Wang, J., ...**Zhang, Q.**, & Neitzel, A. A meta-analysis of learner autonomy in STEM.

SELECTED OP-ED

1. Gehlbach, H., **Zhang, Q.** & Cornwall, K. (2023, September 2) Scientific storytelling for the current climate. [Psychological Science](#).
2. Ozyonum, E. & **Zhang, Q.** (2021, December 22) Amid COVID-19 stressors, international students and their university communities should prioritize mental health support. [The Conversation](#).
3. Storey, N., & **Zhang, Q.** (2021, October 4) Younger students were among those most hurt during the pandemic. [Hechinger Report](#).
4. **Zhang, Q.** (2021, June 1) Stop treating teachers as cheap labor. [Fair Observer](#).

GRANTS

AERA Division H Graduate Student Research Grant 2023
 Principle Investigator
 \$1,500 for the dissertation project "Stepping into Adolescents' Digital Shoes: An Intervention for Parental Understanding in Social Media Monitoring"

SCHOLARSHIPS AND AWARDS

Outstanding Research Award nomination from Chi Sigma Iota 2023
 Finalist for the 2022 Jeffrey Bennett Award at UCEA 2022
 Finalist for Best Student Poster at APA Division 15 2022
 Johns Hopkins Research Methods Fellowship 2022
 APA Division 15 Claire Ellen Weinstein Doctoral Student Fellowship 2022
 Meta-Analysis Training Institute Trainee Fellowship 2022
 Johns Hopkins Ph.D. in Education Research Scholarship 2020
 Penn M.S.Ed. Merit Scholarship (US\$10,000) 2019
 NUS Ph.D. in Economics Scholarship (declined) 2019
 Peking University Summer School Scholarship 2018
 NUS Bachelor Degree Science&Technology Scholarship (S\$400,000) 2015

SELECTED CONFERENCE PRESENTATIONS

1. Pellegrini, M., Marsili, F., **Zhang, Q.**, & Neitzel, A. (2024, April). *Mastering the Tools: Evaluating Machine Learning Tools for Screening in Educational Systematic Reviews* [Poster]. American Educational Research Association, Philadelphia
2. Shi, C., Neitzel, A., Lake, C., & **Zhang, Q.** (2024, April). *Effective School-Based Programs for PK-12 Students' Attendance in the U.S.: A Best-Evidence Synthesis*. [Roundtable]. American Educational Research Association, Philadelphia
3. **Zhang, Q.**, Wang, X., Tian, XR., & Gehlbach, H. (2024, April). *Social Support at Your Fingertips: Exploring the Correlation between Students' Social Media Usage and Social Support through Meta-Analysis*. [Paper]. American Educational Research Association, Philadelphia
4. **Zhang, Q.**, Pellegrini, M., & Marsili, F. (2024, April). *Investigating Systematic Reviewers' Practices: Survey on Handsearching, Citation Chasing, and Screening Tool Adoption in Education*. [Paper]. American Educational Research Association, Philadelphia
5. **Zhang, Q.**, Wang, X., Tian, XR., & Gehlbach, H. (2023, September). *Uncovering the Link: Exploring the Correlation between Students' Social Media Usage and Social Support through Meta-Analysis*. [Poster]. Annual meeting of the Society for Research on Educational Effectiveness, Washington DC
6. Wang, J., Wang, X., **Zhang, Q.**, Bao, H., Zhao, Z., & Neitzel, A. (2023, September). *Risk of bias tools in systematic reviews of interventions PK-12 Education: A critical analysis of studies in review of educational research*. [Paper]. Annual meeting of the Society for Research on Educational Effectiveness, Washington DC

7. **Zhang, Q.*#**, Pellegrini, M., & Marsili, F. (2023, September). *Investigating systematic reviewers' practices: A survey on handsearching, citation chasing, and screening tool adoption in education*. [Paper]. Annual meeting of the Society for Research on Educational Effectiveness, Washington DC
8. Nehring, L., D., Mu, N., Wang, X., **Zhang, Q.**, Cornwall, K., & Gehlbach, H. (2023, April). *Outcomes of an outdoor, residential learning experience in the context of pandemic and learning loss*. [Roundtable]. Annual meeting of the American Educational Research Association, Chicago.
9. **Zhang, Q.**, Wang, J., & Neitzel, A. (2023, April) *Meta-analysis of School-based Mental Health Interventions Targeting Depression and Anxiety*. [Poster]. Annual meeting of the American Educational Research Association, Chicago.
10. **Zhang, Q.** & Pallath, A. (2023, April). *Paperfetcher: A tool to automate handsearching and citation searching for systematic reviews* [Paper]. Annual meeting of the American Educational Research Association, Chicago.
11. **Zhang, Q.** & Pallath, A. (2023, March). *Empowering Systematic Reviews with the R Version of Paperfetcher: Effortless Handsearching and Citation Searching at Your Fingertips* [Video]. ESMARConf2023.
12. Xiong, Y., Prasath, P., **Zhang, Q.**, Jeon, L. (2022, October). *International students' perceived discrimination and psychological distress*. [Paper]. The American Counseling Association 2022 Virtual Conference Experience.
13. Neitzel, A., Pellegrini, M., Arco-Tirado, L., **Zhang, Q.** (2022, September). *Systematic review and meta-analysis on effective elementary science interventions*. [Poster]. Annual meeting of the Society for Research on Educational Effectiveness, Washington DC
14. **Zhang, Q.** & Pallath, A. (2022, September). *Automated and reproducible handsearch for meta-analysis* [Paper]. Annual meeting of the Society for Research on Educational Effectiveness, Washington DC
15. **Zhang, Q.**, Xiong, Y., Prasath, P., & Byun, S. (2022, August). *The relationship between international students' perceived discrimination and overall health: A mediation analysis*. [Poster]. Annual meeting of the American Psychological Association Convention, Minneapolis
16. **Zhang, Q.**, Arcot, R. R., Chuter, C., Cornwall, K.J., Mu, N., Nehring, L.D., Robinson, C.D., & Gehlbach, H. (2022, August). *Is a picture worth a thousand words for educational and psychological outcomes?* [Poster]. Annual meeting of the American Psychological Association Convention, Minneapolis
17. Chuter, C., Mu, N., **Zhang, Q.**, Arcot, R. R., Nehring, L.D., Cornwall, K.J., Robinson, C.D., & Gehlbach, H. (2022, August). *The Impact of Narrative on Environmental Attitudes and Behaviors*. [Poster]. Annual meeting of the American Psychological Association Convention, Minneapolis
18. Wang, X., Chen, H., **Zhang, Q.**, & Neitzel, A. (2022, August). *Teach a man to fish: A meta-analysis on the effectiveness of strategy training on learning autonomy* [Poster]. Annual meeting of the American Psychological Association Convention, Minneapolis
19. Cornwall, K.J., Arcot, R. R., Chuter, C., Mu, N., Nehring, L.D., **Zhang, Q.**, Robinson, C.D., & Gehlbach, H. (2022, August). *The Contribution of Photographs in Environmental and Psy-*

- chological Outcomes*. [Poster]. Annual meeting of the American Psychological Association Convention, Minneapolis
20. Xiong, Y., Prasath, P., **Zhang, Q.**, & Jeon, L. (2022, April). *A Mindfulness-Based Wellbeing Group for International Students: A Pilot Study*. [Poster]. Annual meeting of the American Educational Research Association, Virtual
 21. **Zhang, Q.** and Scanlan, M. (2022, April) *The “Mother Tongue” Bilingual Education Policy in Singapore*. [Roundtable]. Annual meeting of the American Educational Research Association, San Diego
 22. Storey, N. and **Zhang, Q.** (2022, April) *A Meta-analysis of COVID Learning Loss*. [Roundtable]. Annual meeting of the American Educational Research Association, San Diego
 23. **Zhang, Q.** and Scanlan, M. (2021, November) *The “Mother Tongue” Bilingual Education Policy in Singapore*. [Paper]. Annual meeting of the University Council for Educational Administration, Virtual
 24. **Zhang, Q.** and Neitzel A. (2021, September) *Methodological Review: A Systematic Narrative Review of Screening Tools for Conducting Systematic Reviews in Educational Research* [Paper]. Annual meeting of the Society for Research on Educational Effectiveness, Virtual
 25. Neitzel A. and **Zhang, Q.** (2021, September) *Effects of Varying Inclusion Criteria in Published Meta-analyses: Two Case Studies* [Paper]. Annual meeting of the Society for Research on Educational Effectiveness, Virtual
 26. **Zhang, Q.**, Wang, J., & Neitzel, A. (2021, August) *Meta-analysis of School-based Mental Health Interventions Targeting Depression and Anxiety* [Poster]. Annual meeting of the American Psychological Association Convention, Virtual
 27. **Zhang, Q.**, Neitzel, A., & Slavin R. (2021, April) *A Meta-Analysis of Teacher Salary and Turnover in the USA and China* [Poster]. Annual meeting of the American Educational Research Association, Virtual
 28. **Zhang, Q.** (2021, April) *The impact of COVID-19 on students, teachers, and schools* [Paper]. Annual meeting of the Comparative and International Education Society Conference, Virtual

RESEARCH EXPERIENCE

Research Project

June 2021– December 2021

Social Cultural Survey

PI: Dr. Ashley Berner

School of Education, Johns Hopkins University

Cleaned messy data in R

Research Project

August 2020– present

Systematic Review and Meta-Analysis on Effective Elementary Science Interventions

PI: Dr. Robert Slavin

Co-PI: Dr. Amanda Neitzel

School of Education, Johns Hopkins University

Automated the handsearch process for meta-analysis using key-word searching Python code
 Saved thousands of labor hours

B.E. Dissertation *August 2018 – May 2019*
Public Versus Private Higher Educational Institutions (HEIs) in ASEAN Countries
 Advisor: Dr. Tan Kay Chuan
 Industrial Systems Engineering and Management, National University of Singapore

Research Project *February – March 2019*
‘Kampong Spirit’ in Singapore HDB Neighborhood
 Advisor: Dr. Guillem Riambau
 Department of Economics, Yale-NUS College

Systems Design Project *August 2018 – May 2019*
Building Data Intelligence in Healthcare
 National University of Singapore and Tan Tock Seng Hospital
 Advisor: Dr. Ng Kien Ming
 Industrial Systems Engineering and Management, National University of Singapore

TEACHING EXPERIENCE

Seminar Speaker at NTU National Institute of Education *September 2023*
 Invited Seminar Talk about Meta-analysis and Systematic Review with CRPP

Guest Speaker at NUS Psychology Department *September 2023*
 Seminar with Social Learning and Development Lab

Guest Speaker at NTU National Institute of Education *September 2023*
 Seminar with Professor Peidong Yang

Independent Instructor at Johns Hopkins *January – May 2023*
 Advanced Instructional Strategies (Master’s level course)

Teaching Assistant at Johns Hopkins *January – May 2023*
 Data Workflow in R Language (PhD level course)

Teaching Assistant at Johns Hopkins *August – December 2022*
 Science of Learning (PhD level course)

Guest Lecturer at Johns Hopkins University *April 2022*
 ITGL Lecture

Teaching Assistant at National University of Singapore *January – April 2019*
 IE2150 Human Factor Engineering

MENTORING

Masters students:
 Xirui Tian, xtian18@jhu.edu or estella.tian@163.com
 Jiayu Wu, jwu189@jhu.edu

DATA/CODE REPOSITORY

Zhang, Q., Wang, J., & Neitzel, A. (2022). School-based Mental-Health-Interventions-Targeting-Depression-or-Anxiety-A-Meta-analysis (Version 1.0.0) [[Computer software](#)].

CONSULTING EXPERIENCE

Website Developer for Success for All Foundation *January 2021 – present*
 Designed a website that connects proven tutoring providers and school leaders to address unfinished learning resulting from the COVID-19 pandemic. [ProvenTutoring.org](#)

WORKSHOPS ATTENDED

Open Science Meeting, University of Virginia *2022*
 Meta-Analysis Training Institute, Chicago *2022*

PEER REVIEW

Current Psychology *Fall 2021 - present*
 Human Development *Summer 2022*
 Society for Research in Educational Effectiveness *Spring 2022*
 American Psychological Association *Spring 2022*
 Educational Researcher *Spring 2022*
 Journal of Research on Educational Effectiveness *Fall 2021*
 American Educational Research Association *Summer 2021*
 Journal of Educational Psychology *Summer 2021*
[Education Psychologist Special Edition](#) *August 2020*
 University Council for Educational Administration *May 2021*

LEADERSHIP

Graduate Student Representative-at-Large of the SRMA SIG *2023 - present*
 Co-chair of JHU SOE PhD Student Committee *Summer 2021 - present*
 President of Teach For China Penn Student Association *July 2019 - July 2020*

TECHNICAL AND LANGUAGE SKILLS

Statistical Programming	R (Advanced), Stata (Advanced)
Programming	C (Basic), C++ (Basic), Python (Basic)
Website Development Tools	Wordpress (Advanced), Hugo (Intermediate)
Other Tools	Nvivo (Advanced), L ^A T _E X (Advanced), Adobe Illustrator (Basic), SQL (Basic)
Language Skills	Mandarin (Native), English (Proficient), German (A1 level certificate)

ASSOCIATION MEMBERSHIPS

Society for Research in Educational Effectiveness (SREE), American Education Research Association (AERA), American Psychological Association (APA), University Council for Educational Administration (UCEA), Comparative and International Education Society (CIES)

REFEREES

Hunter Gehlbach, Johns Hopkins University, gehlbach@jhu.edu

Yiying Xiong, Johns Hopkins University, yxiong@jhu.edu

Lieny Jeon, University of Virginia, ljeon@virginia.edu

Joseph Bayer, The Ohio State University, bayer.66@osu.edu

Amanda Neitzel, Johns Hopkins University, aneitzel@jhu.edu

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