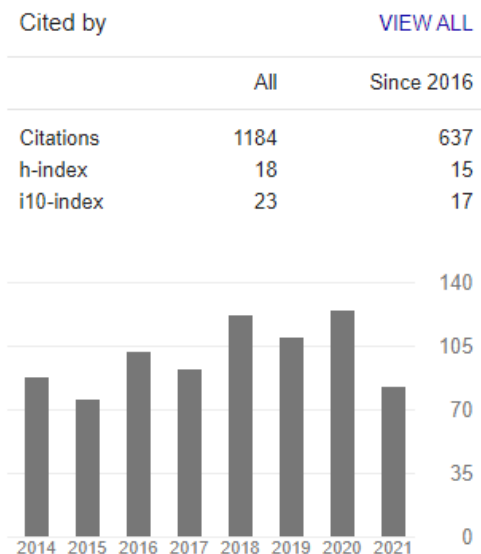


Curriculum Vitae

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BIBLIOMETRICS ([Google Scholar profile](#), 09/2021):



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14. Luptak, M., Hicken, B., Daniel, C., Hill, R., Zheng, R., Grant, M., Moreno, C., Rupper, R. (2011) Recruiting Family Caregivers in Rural America: Challenges and Lessons Learned. Poster Presentation at *Gerontological Society of America 2011 Annual Meeting*. Boston, MA.
15. Zheng, R., Butcher, K., **Callister, P.**, & **Gupta, U.** (2011, July). Prompting Effective Collaboration Using Deep Questions. Poster presented at the 33rd Annual Conference of the Cognitive Science Society. Boston, MA.
16. Zheng, R., Butcher, K., & **Callister, P.** (2011). Enhancing collaborative learning outcomes during video instruction: Deep prompts support knowledge retention and transfer. Paper presented at *2011 American Educational Research Association Annual Meeting*. New Orleans, LA.

17. Butcher, K., Zheng, R., Cook, A., Mazal, A., & Davies, S. (2010). What do preservice teachers find when using NSDL vs. Google: An analysis using the ADMIRE rubric. Poster presented at *the 2010 NSDL Annual Meeting*. Washington, D.C.
18. Butcher, K., Davies, S., Mazal, A., Dewald, A., Zheng, R., & Cook, A. (2010). Helping preservice teachers find and evaluate digital resources for the classroom: Can educational digital libraries help? Paper presented at *the 2010 NSDL Annual Meeting*. Washington, D.C.
19. **Bruce, P.**, & Zheng, R. (2010). Policies and Practices In Online Higher Education: A Case Study At One U.S. Doctoral/Research-Extensive University. Paper presentation at *Association for the Advancement of Computing in Education Annual Conference*. Orlando, FL.
20. **Bruce, P.**, & Zheng, R. (2010). Institutionally Supported Instructional Design and Development –A Practical Application of National Online Standards. Paper presentation at *Association for the Advancement of Computing in Education Annual Conference*. Orlando, FL.
21. Butcher, K. R., Zheng, R., Cook, A., **Crockett-Mazal, A.**, & **Davies, S.** (2010, November). *What do preservice teachers find when using NSDL vs. Google: An analysis using the ADMIRE rubric*. Poster presented at the National Science Digital Library Annual Meeting (NSDL 2010). Washington, DC.
22. Butcher, K., Zheng, R., Cook, A., Ferrara, L., Davies, S., Crockett, A., & Dewald, A. (2010). Facilitating educator evaluation of online instructional materials: Does conceptual browsing impact cognitive processing? Poster presented at *Cognitive Science Society Annual Conference*. Portland, OR.
23. Butcher, K.R., Zheng, R., & Cook, A. (2009, November). *Is there an Educational Impact of NSDL? Studying Users' Cognitive Processes and Learning Outcomes*. Poster presented at the NSDL Annual Meeting, Washington, DC.
24. Zheng, R., Rubio, F., & Woltz, D., (2010). Facilitation in Second Language Word Meaning Evaluation from Masked Primes. Poster presented at *Cognitive Science Society Annual Conference*. Portland, OR.
25. Zheng, R. (2009). Effects of Situated Learning on Students' Knowledge Gain: An Individual Differences Perspective. Paper presentation at Association for the Advancement of Computing in Education (AACE). Vancouver, Canada.
26. Zheng, R., & Khoo, A. (2009). Singaporean Adolescent Perceptions of Online Social Communication: A Factor Analysis. Paper presentation at Association for the Advancement of Computing in Education (AACE). Vancouver, Canada.
27. Zheng, R. & Cook, A. (2009). Measuring Learners' Cognitive Load In Complex Problem Solving: A Convergent Approach. Paper presentation at *the American Educational Research Association Annual Conference*. San Diego, CA.
28. Zheng, R. (2009). Style Matching or Ability Building? An Empirical Study on FDI Learners' Performance in an Asynchronous Online Chatroom. Paper presentation at *the American Educational Research Association Annual Conference*. San Diego, CA.
29. Zheng, R., & Yang, W. (2008). Use Multimedia to Facilitate Schema Induced Analogical Reasoning in Science Learning. Paper presented at *Society for Information Technology and Teacher Education (SITE) 19th International Conference*. Las Vegas, NV.
30. **Dahl, L., Flygare, J.**, & Zheng, R. (2008). Using Concept Maps to Enhance Students' Prior Knowledge in Complex Learning. Paper presented at *Society for Information Technology and Teacher Education (SITE) 19th International Conference*. Las Vegas, NV.
31. **Flygare, J., Dahl, L.**, & Zheng, R. (2008). Effects of Individual Differences on the Patterns of College Students Online Social Communication. Paper presented at *Society for Information Technology and Teacher Education (SITE) 19th International Conference*. Las Vegas, NV.
32. Zheng, R., Gu, X., Lou, X., Garcia, D., & Kelly, J. (2007). Will multimedia help boost students' self-efficacy in learning? Paper presentation at *the American Educational Research Association Annual Conference*. Chicago, IL.
33. Zheng, R., McAlack, M., Wilmes, B., & Kohler-Evans, P. (2007). Relations among the mode of media, cognitive load, and changes in self-efficacy in complex problem-solving. Paper presentation at *the American Educational Research Association Annual Conference*. Chicago, IL.
34. Ferris, S. P., Boehm, D., Stout, K. R., & Zheng, R. (2005). Effective Teaching and Learning with Virtual Teams. Panel presentation at the *National Communication Association Annual Conference*. Boston, MA.
35. Zheng, R., Miller, S., Snelbecker, G., & Cohen, I. (2005). Use of multimedia for problem-solving tasks. Paper presentation at *the American Educational Research Association Annual Conference*. Montreal, Canada.
36. Snelbecker, G., Miller, S., Zheng, R. (2004). Thriving, not merely surviving, with technology in education and training: Implications for Teachers, Administrators and Other Educators. Keynote presentation at *Fifth*

- International Conference, Korean Society for Christian Education and Information Technology*. Seoul, Korea.
37. Snelbecker, G., Miller, S., Zheng, R. (2004). Technology Utilization: Implications and Guidelines for ILT Specialists. Keynote presentation at *Korea Association of Educational Information & Media (KAEIM) International Conference*. Busan, Korea.
 38. Miller, S., Zheng, R., Snelbecker, G., Cohen, I. (2004). Instructional technology specialists: Preparation and competencies. *American Educational Research Association Annual Conference*. San Diego, CA.
 39. Miller, S., Smarkola, C., Snelbecker, G., Zheng, R. (2003). Mapping the discipline: Instructional technology programs in higher education. *American Educational Research Association Annual Conference*. Chicago, IL.
 40. Zheng, R. (2002). "Online instruction: response-driven or design-driven?" Presented at 2002 Association for Educational Communications and Technology (AECT) International Convention. Dallas, TX.
 41. Zheng, R., Ouyang, R.J. (2002). Internet in Chinese education, where to go? Paper presented at Society for Information Technology and Teacher Education (SITE) 13th International Conference. Nashville, TN.
 42. Zheng, R. (2002). "PT3: connecting educational technology integrated curriculum in higher education with K-12 schools." Paper presented at Society for Information Technology and Teacher Education (SITE) 13th International Conference. Nashville, TN.
 43. Zheng, R. (2002). "Assessment in educational technology: issues, challenges, and beyond." Presented at American Association of Colleges and for Teacher Education (AACTE) 54th annual meeting. New York.
 44. Zheng, R., & Wilmes, B. (2001). "Developing technology integrated reading strategies to meet the digital learning needs of future students." Presented at 2001 Association for Educational Communications and Technology (AECT) International Convention. Atlanta, GA.
 45. Zheng, R. (2001). "Technology integration for preservice teacher education: building a K-16 networked learning environment." Presented at 2001 Association for Educational Communications and Technology (AECT) International Convention. Atlanta, GA.
 46. Zheng, R., & Wilmes, B. (2001). "Building assessment mechanism into educational technology and curriculum integration." Paper presented at 19th International Conference on Technology and Education (ICTE). Tallahassee, FL.
 47. Zheng, R., & Giese, K. (2001). "Putting assessment in perspective: successful implementation in educational technology and curriculum integration." Paper presented at Society for Information Technology and Teacher Education (SITE) 12th International Conference. Orlando, FL.
 48. Zheng, R. (2000). "Assessment as an effective tool to enhance integration of curriculum and educational technology." Presented at 2000 Association for Educational Communications and Technology (AECT) International Convention. Denver, CO.

State & Regional Conference Presentations

1. Zheng, R., Luptak, M., Smith, D., & Hill, R. (2014). Understanding the constraints of modality on older adults information process. Poster presented at *Center on Aging Annual Conference*, Univ of Utah.
2. Zheng, R., Hill, R., Luptak, M., & Rupper, R. (2013). Designing effective digital technology to improve seniors' cognitive functioning. Poster presented at *Center on Aging Annual Conference*, Univ of Utah.
3. Butcher, K., Zheng, R., Davies, S., Mazal, A., & Dewald, A. (2011). Using the National Science Digital Library in Teacher Preparation: Research Findings and Practical Strategies. Presentation at *Utah Coalition for Educational Technology (UCET) Annual Conference*. Sandy, UT.
4. Zheng, R., Butcher, K., Callister, P., & Gupta, U. (2011). Strategies for Increasing Student Learning with Online Videos: Findings from a NetSafe Study. Presentation at *Utah Coalition for Educational Technology (UCET) Annual Conference*. Sandy, UT.
5. Dewald, A., Butcher, K., & Zheng, R. (2011). Developing Interactive Multimedia to Enhance Elementary Students' Critical Thinking in Science. Presentation at *Utah Coalition for Educational Technology (UCET) Annual Conference*. Sandy, UT.
6. Zheng, R., & Butcher, K. (2010). Design and Develop Effective Learning Resources to Support K-12 Education – A Panel Discussion. Presentation at *Utah Coalition for Educational Technology (UCET) Annual Conference*. Salt Lake City, UT.
7. Butcher, K., & Zheng, R. (2010). Is There Life Beyond Google? Using Digital Libraries to find Educational Resources for the Classroom? Presentation at *Utah Coalition for Educational Technology (UCET) Annual Conference*. Salt Lake City, UT.
8. Flygare, J., Zheng, R., White, J., & Russell, S. (2008). How to effectively integrate technology into your classroom? Presented at *Utah Coalition for Educational Technology (UCET) Annual Conference*. Salt Lake City, UT.

9. Morrow, S., Zheng, R., Burrow-Sanchez, J., Danley, L., Johnson, K., Lee, J., Lopez, A., & Blackwell, D. (2007). What's in a word? Exploring labels and stereotypes. College of Education, University of Utah. Salt Lake City, UT.
10. Zheng, R., & Flygare, J. (2007). How to effectively integrate technology into your classroom. Presented at *Utah Coalition for Educational Technology (UCET) Annual Conference*. Salt Lake City, UT.
11. Zheng, R., & Murphy, A. (2001). "A step beyond: From application to integration." Presented at Association of Wisconsin School Administrators (AWSA) Annual Conference. Middleton, WI.
12. Zheng, R. (2001). "EEAER assessment model for K-16 technology integration" Paper presented at Wisconsin Foundation for Independent Colleges (WFIC) Faculty Technology Program Best Practices State Conference. Milwaukee, Wisconsin.
13. Zheng, R., & Giese, K. (2000). "Using assessment tool for educational technology & curriculum integration." Presented at Governor's Wisconsin Educational Technology Conference (GWETC) 2000. Madison, Wisconsin.

Invited Presentations and Colloquium

1. Evaluation of UtahFutures Project. Invited talk to UtahFutures Executive Steering Committee. November 2011.
2. Invited keynote presentation at Cognitive Load SIG group of Korea Society for Educational Technology. Title: "Cognitive load measurement: Past, present and future." Gwangju, South Korea. June 2011.
3. Invited colloquium. Title: "Cognitive load research and measurement." Ewha Womens University, Seoul, South Korea. July 2011.
4. Invited colloquium. Title: "Challenges in Defining the Germane Load and Measurement." HanYang University, Seoul, South Korea. July 2011.

APA Survey Instrument

R. Zheng (2014). *Survey on Adolescent Online Social Communication*. APA PsychTest.

GRANTS & CONTRACTS

Funded (Total Funded Amount: \$736,141)

2012-2013	Zheng, R., Luptak, M., Hill, R., & Rupper, R. Designing effective digital technology to improve seniors' cognitive functioning. University of Utah Center on Aging. Awarded Amount: \$19,600. (#of students support by the grant: 4)
2011-2011	Zheng, R., Kirsten, B., Gore, P., & Metz, A. <i>UtahFutures Evaluation</i> . Utah System of Higher Education. Awarded Amount: \$50,000. (#of students support by the grant: 4)
2010-2011	Butcher, K., & Zheng, R. <i>Using Interactive Multimedia to Develop Robust Scientific Thinking Skills: Facilitating Knowledge Transfer to Authentic Environments</i> . College of Education. University of Utah. Awarded Amount: \$3,875.
2009-2013	Butcher, K., Cook, A., & Zheng, R. <i>Is there an educational advantage to NSDL? Assessing impact on cognitive processes and learning outcomes during resource selection and use</i> . NSF EHR: National STEM Education Distributed Learning (NSDL). Awarded Amount: \$328,905.00. (#of students support by the grant: 5)
2010-11	Zheng, R. <i>Web-based care giver training for veterans</i> . VA, Salt Lake City. Awarded Amount: \$23,918.
2009-2011	Zheng, R., & Butcher, K. <i>Evaluation of NetSafe Project</i> . Utah Education Network. Awarded Amount: \$18,750. (# of students support from the grant: 3)
2008	Woltz, D., Rubio, F., & Zheng, R. <i>Cross-language priming during second language speech comprehension: A proof-of-concept investigation</i> . Interdisciplinary Research Grant, University of Utah. Awarded Amount: \$12,000.
2006	Drew, C., Burrow-Sanchez, J., & Zheng, R. <i>Parent-Child Communication: Internet Safety</i> . Utah State Office of Education and the Utah Commission on Child and Juvenile Justice. Awarded Amount: \$29,500.
2001-2004	Zheng, R. <i>Prepare Tomorrow's Teachers to Teach in a Digital Age</i> . The U.S. Department of Education Preparing Tomorrow's Teachers to Use Technology (PT3) Grant. Awarded Amount: \$249,593.

NATIONAL LEVEL PROFESSIONAL ACTIVITIES

- Editor-in-Chief, *International Journal of Cyber Behavior, Psychology and Learning* (2008-2012)
- Editorial Advisory Board, *Interface Support for Creativity, Productivity, and Expression in Computer Graphics*, edited by Anna Ursyn, IGI Publishing (2018)
- Editorial Advisory Board, *Handbook of Research on Practices and Outcomes in Virtual Worlds and Environments*, edited by H. Yang and S. Yuen, IGI Publishing (2012)
- Editorial Advisory Board, *Cases on building quality distance delivery programs: Strategies and experiences*, edited by S. Huffman, S. Albritton, W. Rickman, and B. Wilmes, IGI Publishing (2011)
- Ad Hoc Reviewer
 - Learning and Instruction (2015- present)
 - Behavior Research Method (2012 – present)
 - Journal of Experimental Psychology: Applied (2011- present)
 - Instructional Science (2010- present)
 - Educational Technology Research & Development (2009- present)
 - CyberPsychology and Behaviors (2006 - present)
 - Computers & Education (2007 – present)
 - Journal of Educational Computing Research (2009 - present)

INSTITUTIONAL SERVICES

University of Utah

University

- Member, U. of U. Senate Standard Committee (2019 -)
- Member, U. of U. Graduate Council (2018 -)
- Member, U. of U. Center on Aging (2016 -)
- Member, U. of U. International Task Force, University of Utah (2015 - 2016)
- Member, Global U Council, University of Utah (2015 - 2016)
- Member, Innovation Scholar Steering Committee, University of Utah (2010-2012)
- Member, Information Technology Council, University of Utah (2009 – 2012)
- Co-Chair, University of Utah Visual, Information, and Technical Literacy Task Force (2008-2009)

College

- Chair, College Executive Committee (2019 -)
- Member, College Executive Committee (2018 -)
- Director, Office of International Initiatives (2015 - 2016)
- Member, College RPT Committee (2015 - 2016)
- Chair, College of Education IT Manager Search Committee (2014)
- Director, Center for the Advancement of Technology in Education (CATE), College of Education (2009 – 2012)
- Member, College of Education Leadership Team (2009 – 2012)
- Co-Chair, College Action Plan: Teaching/Instruction (2010-2011)
- Chair, College Curriculum Committee (2011-2012)
- Member, College Curriculum Committee (2010-2012)

Department

- Member, Reading and Literacy Program Faculty Search Committee (2019)
- Chair, Department RPT committee (2019-2020)
- Member, Counseling Program Faculty Search Committee (2017)
- Director of Graduate Studies (2013 - 2016)
- Learning Sciences Program Committee (2006 - present)
- IDET Program Training Director (2006-2014)
- Chair, Department RPT Committee (2014-2015)
- Chair, IDET Faculty Search Committee (2013)
- Co-Chair, Department RPT Co-chair (2013-2014)
- Chair, Department Diversity Committee (2009 – 2011)
- Member, Department Diversity Committee (2006-2011)
- Member, IDET Faculty Search Committee (2007)