

**CURRICULUM VITAE**

10/5/2021

**Wen Liu, PhD, RN  
Associate Professor**

The University of Iowa  
 College of Nursing  
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**EDUCATION**

<b>Dates Attended</b>	<b>Degree</b>	<b>Field of Study</b>	<b>Institution</b>	<b>Location</b>
2011 - 2015	Ph.D.	Nursing	University of Maryland at Baltimore	Maryland, USA
2008 - 2011	M.M.	Medicine (Specialized in Gerontological Nursing)	Shandong University	Shandong, China
2003 - 2008	B.M.	Medicine (Specialized in Nursing)	Shandong University	Shandong, China

Ph.D. Dissertation: Liu., W. (2015). Optimizing Eating Performance for Long-term Care Residents with dementia. Available from <http://hdl.handle.net/10713/4592>.

Master Thesis: Liu., W. (2011). Translation and Validation of the Edinburgh Feeding Evaluation in Dementia scale in people with dementia. Available from <http://cnki.cgl.org.cn/KCMS/detail/detail.aspx?filename=1011223530.nh&dbcode=CMFD&dbname=CMFD2012>

**LICENSURES**

11/23/15- 4/15/21 Registered Nurse. Iowa Board of Nursing, #142420  
 9/29/14- 4/28/17 Registered Nurse. Maryland Board of Nursing, #R213452

**PROFESSIONAL EXPERIENCES****Academic Appointments**

2021-present Associate Professor with Tenure  
 The University of Iowa College of Nursing, Iowa City, IA

2015-2021 Assistant Professor (Tenure-Track)  
 The University of Iowa College of Nursing, Iowa City, IA  
 The University of Iowa Center on Aging, Aging Mind and Brain Initiative (UI cluster hire)

07-09/2014 Graduate Teaching Assistant, The Debra L. Spunt Clinical Simulation Labs in University of Maryland, Baltimore, School of Nursing

- 2011-2015 Graduate Research Assistant, Office of Research, the Center for Health Outcomes Research, and Biology and Behavior Across the Lifespan Organized Research Center in University of Maryland, Baltimore
- 2010-2011 Lecturer (part-time), Shandong Medical College, Jinan, China
- 2010-2011 Lecturer (part-time) & Teaching Assistant, Jinan Aston English School, Jinan, China
- 2008-2011 Graduate Research Assistant, Shandong University School of Nursing

### **Clinical Appointments**

- 2010-2011 Registered Nurse (part-time) in Huai-yin District Nursing Home, Jinan, Shandong Province, China
- 2009-2010 Registered Nurse (part-time) in Shandong Province Qian-fo-shan Hospital and The Second Hospital of Shandong University, Jinan, Shandong Province, China
- 2007-2008 Intern Nurse in Qi-Lu Hospital of Shandong University, Jinan, Shandong Province, China

### **HONORS and AWARDS**

#### **USA**

- 2021 Fellowship, 2021 (first) Alzheimer's Association Interdisciplinary Summer Research Institute (AA-ISRI), Chicago, IL
- 2021 Scholarship Faculty Award, University of Iowa College of Nursing
- 2021 Fellowship, NIH/NIA IMPACT Collaboratory's 2021 (first) Annual Training Workshop and Retreat: Building Skills to Conduct Embedded Pragmatic Clinical Trials for People Living with Dementia (Virtual)
- 2020 Fellowship, 2020 Palliative Care Research Cooperative Group (PCRC) Dementia Palliative Care Clinical Trials Intensive (Virtual)
- 2019 Fellowship, 2019 Summer Institute on Randomized Behavioral Clinical Trials, National Institute of Health (NIH) Office of Behavioral and Social Sciences Research, Potomac, Maryland, USA
- 2019 New Investigator Award, Mid-west Nursing Research Society (MNRS) Gerontological Nursing Science Research Interest Group (GRIG)
- 2018 Grantsmanship Award for Duck-Hee Kang Memorial Mentored Workshop for Early Career Nurse Scientists, Council for the Advancement of Nursing Science (CANS)
- 2016 Old Gold Summer Fellowship, University of Iowa Office of the Provost
- 2015 Alumni Association Award for Outstanding PhD Graduate, University of Maryland, Baltimore, School of Nursing
- 2015 Rising Star in Scholarship and Research, Sigma Theta Tau International (STTI) Honor Society of Nursing
- 2013-2015 Graduate Student Association Travel Award, University of Maryland, Baltimore

- 2012-2015 DSO Student Research Travel Award, University of Maryland, Baltimore
- 2013 IJNS-INDEN (International Journal of Nursing Studies- International Network for Doctoral Education in Nursing) Journal Publication Award for “Interventions on mealtime difficulties in older adults with dementia: A systematic review”, 2013 INDEN Biennial Conference in Prague, Czech Republic
- 2013 Best example of Research in Nursing for “Interventions on mealtime difficulties in older adults with dementia: A systematic review” on 2013 George Washington School of Nursing Sigma Theta Tau International (STTI) Honor Society of Nursing Phi Epsilon Chapter Virtual Scholarly Research Exhibition
- 2013 Scholarly Presentation Award, University of Maryland, Baltimore Sigma Theta Tau International (STTI) Honor Society of Nursing Pi Chapter

### China

- 2011 Student “Wu-Si” Young Scientist Award nomination, Shandong University
- 2010 Bronze Award in the 7th "Challenge Cup" FAW-Volkswagen Chinese College Students Business Plan Competition, Central Committee of Chinese Communist Youth League, China Association for Science and Technology, Ministry of Education and National Union of Students
- 2009-2010 Outstanding Graduate Student, Shandong University
- 2009-2010 Kwang-Hua Graduate Scholarship, Kwang-Hua Education Foundation
- 2008 Annual Excellent Youth Volunteer, Shandong University
- 2008 Annual Outstanding Volunteer in Disaster Relief Medical Service Program during Sichuan Earthquake, Communist Youth League of Shandong Province
- 2004-2006 Outstanding Undergraduate Scholarship, Shandong University

## SCHOLARSHIP

### Research Interests

- Mealtime difficulties, eating performance, function, and nutrition in older adults with dementia
- Behavioral interventions, dyadic communication/interaction, environmental stimulation
- Non-pharmacological interventions for dementia mealtime care
- Behavioral coding methodologies using video-recorded observations
- Tool development and validation (Classical Test Theory, Item Response Theory)

### Grants

#### Extramural – Ongoing (N= 4)

- 2020-2024 **Liu, W.** (PI, 75% effort), Rakel, B. (primary mentor), Tripp-Reimer, T., Williams, K. (co-mentors), Van Haitsma, K., Batchelor, M. (Consultants), Perkhounkova, Y. (Statistician), Buckwalter, K., Resnick, B., & Galik, E. (National council advisors). Optimizing Mealtime Care (OPTIMAL): Development and Pilot Testing of a Person-Centered Mealtime Care

Intervention for Nursing Home Residents with Alzheimer's Disease and Related Dementias (ADRD). NIH/NIA (National Institute of Aging), K23AG066856, Total direct/indirect cost: \$702,564.00. 09/15/2020 - 06/30/2024.

This project aims to develop, evaluate, and refine a theory-based, person-centered mealtime care intervention, Optimizing Mealtime Care (OPTIMAL), and to determine the feasibility, fidelity, and usefulness.

- 2019-2022 **Liu, W.** (PI, 30% effort in 2019-2020, 1% effort in 2021-2022), Williams, K., & Batchelor-Murphy, M. (Co-Is, 5% effort each), Perkhounkova, Y. (Statistician). Caregiver Person-centered and Task-centered Care in Temporal Relation to Mealtime Difficulties and Food Intake in Nursing Home Residents with Dementia. NIH/NIA (National Institute of Aging), R03AG063170, Total direct/indirect cost: \$336,645.00, 05/15/2019 - 01/31/2022 (including No-Cost Extension)  
This project aims to determine the patterns of and temporal associations between caregiver person-centered and task-centered behaviors, and resident mealtime difficulties and intake.
- 2019-2022 Batchelor-Murphy, M. (PI), **Liu, W.**, Cobbs, E., Dowling, M. (Co-Is), & Resnick, B. (Consultant). Identifying correlations between resident characteristics and feeding assistance strategies on nursing home residents with dementia. George Washington University Cross Disciplinary Research Funds (CDRF). Total direct cost: \$32,460.00. 07/01/2019 - 06/30/2022.  
This project aims to compare physical assessment of resident neuropathological impairment vs. existing nursing home administrative data (Minimum Data Set 3.0), and ascertain the impact of Nurses Optimizing Supportive Handfeeding (delivered by Research Assistants) vs. usual care (delivered by NH staff) on resident meal intake.
- 2018-2023 Gardner, S., & Rakel, B. (MPI). Center for Advancing Multimorbidity Science: Profiling risk and symptom expression to develop customized therapies for adults with multiple chronic conditions (CAMS). NIH/NINR (National Institute of Nursing Research), 1 P20 NR018081-01. Total direct/indirect cost: \$2,226,995. 08/13/2018 - 05/31/2023. **Liu, W.** (Center Faculty Associate).  
The Center aims to accelerate the realization of precision health by: a) broadening the conceptual model of multimorbidity science to include symptoms/ symptom clusters; b) training new investigators in multimorbidity science and advanced data analytics; and c) mentoring new investigators from pilot projects through the established programs of research in multimorbidity and precision science

#### **Extramural – Completed (N= 4)**

- 2018-2021 **Liu, W.** (PI), Williams, K., & Batchelor-Murphy, M. (Co-Is), Perkhounkova, Y. (Statistician)  
Use of Video-recorded Observations to Examine Caregiver Person-centered and Task-centered Behaviors and Mealtime Difficulties and Intake in Nursing Home Residents with Dementia. American Nurses Foundation Nursing Research Grant (from the Dorothy A.

Cornelius Scholar, Virginia Stone, and Hildegard E. Peplau Endowment Funds). Total direct/indirect cost: \$29,950.00. 09/01/2018 - 08/31/2021 (including No-Cost Extension). This project aims to test the feasibility, reliability, and usability of the CUED video coding scheme to assess caregiver person-centered and task-centered behaviors, and resident mealtime difficulties.

- 2019-2020 Shaw, C. (PI), Herr, K. (Sponsor), Williams, K. (Co-Sponsor), Rakel, B., **Liu, W.**, Gordon, J., & Matthews, G. (consultants). Resistiveness in Dementia: Nurse Communication in Acute Care. Sigma Theta Tau International small grant. Total cost: \$5,000.00. 06/01/2019 – 06/31/2020.  
This project aims to characterize elderspeak communication from nursing staff during care to PWD, and determine the association between staff elderspeak communication and resistiveness to care in PWD.
- 2019-2020 Shaw, C. (PI), Herr, K. (Sponsor), Williams, K. (Co-Sponsor), Rakel, B., **Liu, W.**, Gordon, J., & Matthews, G. (consultants). Resistiveness in Dementia: Nurse Communication in Acute Care. Midwest Nursing Research Society Joseph and Jean Buckwalter Dissertation Grant. Total cost: \$2,500.00. 04/01/2019 - 04/31/2020.  
This project aims to characterize elderspeak communication from nursing staff during care to PWD, and determine the association between staff elderspeak communication and resistiveness to care in PWD.
- 2019- 2020 Shaw, C. (PI), Herr, K. (Sponsor), Williams, K. (Co-Sponsor), Rakel, B., **Liu, W.**, Gordon, J., & Perkhounkova, Y. (consultants). Resistiveness in Dementia: Nurse Communication in Acute Care. NIH/NINR (The National Institute of Nursing Research), 1F31NR018580-01A1. Total direct/indirect cost: \$53,552.00. 07/09/2019 - 12/31/2020 (including No-Cost Extension).  
This project aims to characterize elderspeak communication from nursing staff during care to PWD, and determine the association between staff elderspeak communication and resistiveness to care in PWD.
- Intramural – Ongoing (N=2)**
- 2020-2022 **Liu, W.**, & Chen, Y(Co-PIs). Temporal Associations between Caregiver Person-Centered and Task-Centered Mealtime Behaviors and Individual Outcomes using Sequential Analysis. The Investment in Strategic Priorities: A Partnership Between the Colleges and the Office of the Executive Vice President and Provost initiative's call. The University of Iowa Interdisciplinary Bridge Funding. Total cost: \$10,000. 12/10/2020 – 6/30/2022.  
This project aims to examine the temporal relationships between person-centered and task-centered care approaches and individual mealtime positive/neutral and challenging behaviors, function, and intake using advanced modeling approaches through interdisciplinary partnership
- 2020-2022 Ford, K. (PI), Buckwalter, K., **Liu, W.** (Consultants), Yelena Perkhounkova, Y. (Statistician), Hein, M. (data manager). Malnutrition and Dementia Best Practices in

Care of the Older Adult Population. The University of Iowa Csomay Center for Gerontological Excellence Jo Hoyt Freeman Dementia Education and Outreach Fund. Total cost: \$10,000.00. 1/15/2020 – 1/14/2022 (including No-Cost Extension). This project aims to 1) provide a one-hour onsite training on dementia and malnutrition to all staff, 2.) use a train the trainer approach to the identified change champions at each facility using Rogers Diffusion of Innovation theory, and 3.) develop and test a psychometrically sound instrument to measure outcomes of the educational intervention.

### **Intramural – Completed (N = 3)**

- 2019-2020 Shaw, C. (PI), Herr, K. (Sponsor), Williams, K. (Co-Sponsor), Rakel, B., **Liu, W.**, Gordon, J., & Matthews, G. (consultants). Resistiveness in Dementia: Nurse Communication in Acute Care. 2018 UI College of Nursing Barbara and Richard Csomay Gerontology Research Award for PhD Students and Postdoctoral Fellows. Total cost: \$3,000.00. 05/2019 - 05/2020.  
This project aims to characterize elderspeak communication from nursing staff during care to PWD, and determine the association between staff elderspeak communication and resistiveness to care in PWD.
- 2017-2019 **Liu, W.** (PI, 5% effort), Williams, K., & Grossmann R. (Co-Is). Dyadic Mealtime Interaction Between Nursing Staff and Individuals with Dementia: Is It Feasible to Measure and How Is It Related to Eating Performance and Food Intake?. The University of Iowa Center on Aging and Aging Mind and Brain Initiative Cluster. Total cost: \$30,000.00. 01/01/2017 – 01/31/2019  
This project aims to understand dyadic mealtime interaction between residents with dementia and nursing staff, and describe the relationship of dyadic interaction with eating performance and food intake.
- 2016-2018 **Liu, W.** (PI). Optimizing Eating Performance among Cognitively Impaired Older Adults: Facilitators and Barriers from Nursing Assistants' Perspective. The University of Iowa Csomay Center for Gerontological Excellence (an original Hartford center). Total cost: \$15,000.00. 01/01/2016 – 12/31/2018.  
This project aims to examine nursing staff's perceptions on facilitators and barriers to engaging cognitively impaired residents at mealtimes from personal, caregiver and environmental levels.

### **Extramural – Under Review (N=2)**

- 2021-2026 Herr, K., & McCarthy, A. (Co-PIs). Pain and Associated Symptoms: Nurse Research Training program. NIH/NINR, T32 renewal (T32NR011147). Proposed 2021-2026 (resubmitted in May 2021). **Liu, W.** (Junior Nurse Faculty).

### **Unfunded**

- 2021-2023 **Liu, W.** (Co-PI, site-PI) & Batchelor, M. (Co-PI, corresponding PI). Validation of Novel Behavioral Checklists for Dyadic Meal Observations. Alzheimer's Association - Advancing Research on Care and Outcome Measurement (AA-ARCOM). Letter of Intent accepted

on 5/14/2021. Full proposal submitted on 6/29/2021. Total cost if funded: \$250,000 (UI CON subaward total: \$146,390). Overall Critique Score: 2 Outstanding - 3 Excellent [scoring range: 1 (Exceptional, Best) - 9 (Poor, Worst)].

**Peer-reviewed Publications** [\*data-based; italic- *student trainee/mentee*; underline - senior authors; citations as of 9/19/2021 = 962, h-index = 14, i10-index = 17, [Google Scholar](#)]

**English Publications** (N = 32; 25 databased; 23 first-authored, 5 second-authored; total IF of all English publications = 114.963; total IF of first-authored English publications = 76.419)

- 32 *Kim, S., & **Liu, W.*** (accepted). Psychometric Properties of Observational Instruments Measuring Dyadic Communication and Environment in Dementia Care: A Systematic Review. *The Gerontologist* (IF= 5.271)
- 31 **Liu, W., & Kim, S.** (2021). Dyadic interactions and physical and social environment in dementia mealtime care: a systematic review of instruments. *Annals of the New York Academy of Sciences*. DOI:10.1111/nyas.14667 (IF = 5.691)
- 30 \***Liu, W.**, Dindo, L., Hadlandsmyth, K., Unick, J., Zimmerman, M.B., St. Marie, B., Embree, J., Tripp-Reimer, T., & Rakel, B. (2021). Item Response Theory Analysis: PROMIS® Anxiety Form & Generalized Anxiety Disorder Scale. *Western Journal of Nursing Research*. <https://doi.org/10.1177/01939459211015985> (IF= 1.967)
- 29 **Liu, W., Kim, S., & Alessio, H.** (2021). Mealtime Caregiving Knowledge, Attitude, and Behaviors for Persons with Dementia: A Systematic Review of Psychometric Properties of Instruments. *International Journal of Nursing Studies*. 114, 103824. <https://doi.org/10.1016/j.ijnurstu.2020.103824> (IF = 5.837)
- 28 \***Liu W.**, Williams, KN., Batchelor, M. K., Perkhounkova, Y., & Hein, M. (2021). Mealtime Verbal Interactions among Nursing Home Staff and Residents with Dementia: A Secondary Behavioral Analysis of Videotaped Observations. *Journal of Advanced Nursing*. 77 (3), 1244-1257. <https://doi.org/10.1111/jan.14647> (IF= 3.187)
- 27 \***Liu, W.**, & Batchelor, M. (2021). Mealtime Caregiving Engagement for Residents with Advanced Dementia: Item Response Theory Analysis. *Western Journal of Nursing Research*, 43(4) 3. <https://doi.org/10.1177/0193945920943898>. (IF= 1.967)
- 26 \*Jao, YL., **Liu, W.**, Chaudhury, H., *Parajuli, J.*, Holmes, S., & Galik, E. (2021). Function-Focused Person-Environment Fit for Long-Term Care Residents with Dementia: Impact on Apathy. *The Gerontologist*, 61(3): 413-424. DOI: 10.1093/geront/gnaa111. <https://doi.org/10.1093/geront/gnaa111> (IF= 5.271)
- 25 \***Liu, W.**, Batchelor, M., & Williams, K.N. (2020). Ease of Use, Feasibility, and Inter-rater Reliability of the Refined Cue Utilization and Engagement in Dementia (CUED) Mealtime

- Video-coding Scheme. *Journal of Advanced Nursing*. 76 (12), 3609–3622. DOI: 10.1111/JAN.14548. <https://onlinelibrary.wiley.com/doi/full/10.1111/jan.14548> (IF = 3.187)
- 24 \***Liu, W.**, Batchelor, M., & Williams, K.N. (2020). Development and Psychometric Testing of the Mealtime Engagement Scale (MES) in Direct Care Providers of Nursing Home Residents with Dementia. *The Gerontologist*. <https://doi.org/10.1093/geront/gnaa097> (IF= 5.271)
- 23 \***Liu W.**, Perkhounkova, Y., Williams, KN., Batchelor, M., & Hein, M. (2020). Food Intake is associated with Verbal Interactions between Nursing Home Staff and Residents with Dementia: A Secondary Analysis of Videotaped Observations. *International Journal of Nursing Studies*. 109, 103654. <https://doi.org/10.1016/j.ijnurstu.2020.103654> (IF = 5.837)
- 22 \***Liu, W.**, Chen, X., Yuan, D., Guo, C., Wang, Y., Zhang, Q., & Song, D. (2020). Dental-related function in individuals with stroke: A confirmatory factor analysis of the dental activities test. *Special Care in Dentistry*. 40 (1), 71-78. <https://doi.org/10.1111/scd.12438> (IF = 0.46)
- 21 \***Liu W.**, Tripp-Reimer, T., Williams, KN., & *Shaw, C.* (2020). Facilitators and barriers to optimizing eating performance among cognitively impaired older adults: A qualitative study of nursing assistants' perspectives. *Dementia: the international journal of social research and practice*, 19(6), 2090-2113. <https://doi.org/10.1177/1471301218815053> (IF = 2.764)
- 20 \*Jao, YL., **Liu, W.**, Williams, KN. Chaudhury, H., & *Parajuli, J.* (2019). Association between Environmental Stimulation and Apathy in Nursing Home Residents with Dementia. *International Psychogeriatrics*. 31(8),1109-1120. <https://doi.org/10.1017/S1041610219000589> (IF= 3.878)
- 19 \***Liu, W.**, *Shaw, C.*, & Chen, X. (2019). Dental-related Function and Oral Health in Relation to Eating Performance in Assisted Living Residents With and Without Cognitive Impairment. *Special Care in Dentistry*. 39 (5), 497-504. DOI:10.1111/scd.12405. <https://doi.org/10.1111/scd.12405> (IF = 0.46)
- 18 \***Liu W.**, Williams, KN., Batchelor-Murphy, M. K., Perkhounkova, Y., & Hein, M. (2019). Eating performance in relation to intake of solid and liquid food in nursing home residents with dementia: A secondary behavioral analysis of mealtime videos. *International journal of nursing studies*. 96, 18-26. <https://doi.org/10.1016/j.ijnurstu.2018.12.010> (IF = 5.837)
- 17 \***Liu, W.**, Jao, YL., & Williams, KN. (2019). Factors Influencing the Pace of Food Intake for Nursing Home Residents with Dementia: Resident Characteristics, Staff Mealtime Assistance and Environmental Stimulation. *Nursing Open*. 2019, 6, 772–782. DOI: 10.1002/nop2.250. <https://doi.org/10.1002/nop2.250> (High-quality Open Access, IF = 1.762)
- 16 \*Zhu. S., **Liu, W.**, Amoroso. A., Blanshan. S., Guberski. T., Iwu. E., Kiama. B., Lipscomb. J., Maimbolwa. M., Maro. P., Mwakyus. S., Omoni. G., Smith. N., & Smith. B. (2019). Sharps



- injuries among nurses and midwives in sub-Saharan Africa. *African Journal of Midwifery and Women's Health*, 13 (1), 14-21. <https://doi.org/10.12968/ajmw.2019.13.1.14>
- 15 \*Chen, X., & **Liu, W.** (2018). Psychometric Properties of the Dental Activities Test: An Exploratory Factor Analysis in Older Adults with Cognitive Impairment. *Behavioral Neurology*, vol. 2018, Article ID 8625916, 6 pages. <https://doi.org/10.1155/2018/8625916>. (High-quality Open Access, IF = 3.342)
- 14 \***Liu, W.**, Johantgen, M., & Newhouse, R. (2018). Psychometric testing of the Smoking Cessation Counseling Scale among Acute Care Magnet® Hospital Nurses. *Western Journal of Nursing Research*. 40 (4), 562-581. DOI: 10.1177/0193945917698689 <https://journals.sagepub.com/doi/full/10.1177/0193945917698689> (IF= 1.967)
- 13 Kolanowski, A., Boltz, M., Galik, E., Gitlin, L., Kales, H., Resnick, B., Van Haitsma, K., Knehans, A., Sutterlin, J., Sefcik, J., **Liu, W.**, Petrovsky, D., Massimo, L., Gilmore-Bykovskiy, A., MacAndrew, M., Brewster, G., Nalls, V., Jao, Y-L., Duffort, N., & Scerpella, D. (2017). Determinants of behavioral and psychological symptoms of dementia: A scoping review of the evidence. *Nursing Outlook*. 65(5), 515-529. <https://doi.org/10.1016/j.outlook.2017.06.006> (IF= 3.250)
- 12 \*Williams, K. N., Shaw, C., Lee, A., Kim, S., Dinneen, E., Turk, M., Jao, Y. L., & **Liu, W.** (2017). Voicing Ageism in Nursing Home Dementia Care. *Journal of Gerontological Nursing*, 43(9), 16-20. DOI: 10.3928/00989134-20170523-02. <https://www.ncbi.nlm.nih.gov/pubmed/28556867> (IF= 1.254)
- 11 \***Liu, W.**, Jao, Y. L., & Williams, K. N. (2017). The Association of Eating Performance and Environmental Stimulation among Older Adults with Dementia in Nursing Homes: A Secondary Analysis. *International Journal of Nursing Studies*, 71, 70-79. <https://doi.org/10.1016/j.ijnurstu.2017.03.004>. (IF= 5.837)
- 10 \***Liu, W.**, Johantgen, M., & Newhouse, R. (2017). Shared Vision among Acute Care Magnet® Hospital Nurses: Ordinal Confirmatory Factor Analysis. *Western Journal of Nursing Research*, 39 (2), 305-318. DOI: 10.1177/0193945916651835. <https://journals.sagepub.com/doi/10.1177/0193945916651835> (IF= 1.967)
- 9 Resnick, B., Beupre, L., McGilton, K. S., Galik, E., **Liu, W.**, Neuman, M. D., ... & Magaziner, J. (2016). Rehabilitation Interventions for Older Individuals With Cognitive Impairment Post-Hip Fracture: A Systematic Review. *Journal of the American Medical Directors Association*. 17(3), 200–205. <http://dx.doi.org/10.1016/j.jamda.2015.10.004> (IF= 4.669)
- 8 \***Liu, W.**, Galik, E., Boltz, M., Nahm, E.S., Lerner, N., & Resnick, B. (2016). Factors associated with eating performance for long-term care residents with moderate-to-severe cognitive impairment. *Journal of Advanced Nursing*. 72(2), 348–360. DOI: 10.1111/jan.12846. <https://www.onlinelibrary.wiley.com/doi/pdf/10.1111/jan.12846> (IF= 3.187)

- 7 \***Liu, W.**, Galik, E., Nahm, E. S., Boltz, M., & **Resnick, B.** (2015). Optimizing Eating Performance for Long-Term Care Residents With Dementia: Testing the Impact of Function-Focused Care for Cognitively Impaired. *Journal of the American Medical Directors Association*, 16 (12), 1062–1068. DOI: 10.1016/j.jamda.2015.06.023. <https://www.sciencedirect.com/science/article/pii/S1525861015004442> (IF= 4.669)
- 6 **Liu, W.**, Galik, E., Boltz, M., Nahm, E.S., & **Resnick, B.** (2015). Optimizing Eating Performance for Older Adults with Dementia Living in Long-term Care: A Systematic Review. *Worldviews on Evidence-Based Nursing*, 12(4), 228–235. DOI: 10.1111/wvn.12100. <https://sigmapubs.onlinelibrary.wiley.com/doi/full/10.1111/wvn.12100> (IF= 2.931)
- 5 \***Liu, W.**, Galik, E., & **Resnick, B.** (2015). The Self-Efficacy for Functional Abilities scale for Older Adults in Long-Term Care: Two-level Exploratory and Confirmatory Factor Analysis. *Journal of Nursing Measurement*, 23 (1): 112-126. DOI: 10.1891/1061-3749.23.1.112. <https://www.ncbi.nlm.nih.gov/pubmed/25985499> (IF = 0.380)
- 4 \***Liu, W.**, Unick, J., Galik, E., & **Resnick, B.** (2015). Barthel Index of Activities of Daily Living: Item Response Theory Analysis of Ratings for Long-Term Care Residents. *Nursing Research*, 64(2), 88-99. DOI: 10.1097/NNR.0000000000000072. [https://journals.lww.com/nursingresearchonline/Fulltext/2015/03000/Barthel\\_Index\\_of\\_Activities\\_of\\_Daily\\_Living\\_Item.3.aspx](https://journals.lww.com/nursingresearchonline/Fulltext/2015/03000/Barthel_Index_of_Activities_of_Daily_Living_Item.3.aspx) (IF= 2.381)
- 3 \*Geiger-Brown, J., Rogers, V. E., **Liu, W.**, Ludeman, E., Downton, K., & Diaz-Abad, M. (2015). Cognitive Behavioral Therapy in Persons with Comorbid Insomnia: A Meta-analysis. *Sleep Medicine Reviews*, 23, 54–67. DOI:10.1016/j.smr.2014.11.007. <https://www.sciencedirect.com/science/article/pii/S1087079214001312> (IF= 11.609)
- 2 **Liu, W.**, *Cheon, J.*, & Thomas, S. A. (2014). Interventions on mealtime difficulties in older adults with dementia: A systematic review. *International Journal of Nursing Studies*, 51 (1): 14-27. DOI: 10.1016/j.ijnurstu.2012.12.021. <https://www.sciencedirect.com/science/article/pii/S0020748912004634> (IF= 5.837)
- 1 \***Liu, W.**, Watson, R., & **Lou, F. L.** (2014). The Edinburgh Feeding Evaluation in Dementia scale (EdFED): Cross-cultural Validation of the Simplified Chinese Version in Mainland China. *Journal of Clinical Nursing*, 23(1-2):45-53. DOI: 10.1111/j.1365-2702.2012.04250.x. <https://onlinelibrary.wiley.com/doi/full/10.1111/j.1365-2702.2012.04250.x> (IF= 3.036)

**Chinese Publications** (N = 9; 5 databased; 4 first-authored, 3 second-authored)

- 9 \***Liu, W.**, Li, X.J., Liang, H.D., Liu, D.M., & **Lou, F.L.** (2012). Analysis on eating difficulties and its influencing factors in dementia patients. *Chinese Nursing Research*, 26(2): 505-506. <https://www.airitilibrary.com/Publication/alDetailedMesh?docid=sxhlzz201206014>

- 8 \*Liu, W., Chen, X.X., Liang, H.D., Li, X.J., & Lou, F.L. (2011). Reliability and validity of the Chinese version of the Edinburgh Feeding Evaluation in Dementia scale. *Chinese Journal of Nursing*, 46(5), 510-512. [http://en.cnki.com.cn/Article\\_en/CJFDTTotal-ZHHL201105037.htm](http://en.cnki.com.cn/Article_en/CJFDTTotal-ZHHL201105037.htm)
- 7 Liu, W., & Lou, F.L. (2010). An introduction to foreign instruments for measuring feeding difficulty in elderly patients with dementia. *Journal of Nursing Science*, 25(19, General Medicine), 83-86. <http://www.cnki.com.cn/Article/CJFDTTotal-HLXZ201019044.htm>
- 6 Liu, W., Zang, Y.L., & Lou, F.L. (2010). Quality guarantee in translation process of nursing research. *Journal of Nursing Science*, 25(6, Surgery Edition), 80-82. <http://www.cnki.com.cn/Article/CJFDTTotal-HLXZ201006055.htm>
- 5 Huang, J., Liu, W., & Lou, F.L. (2010). Nursing Development of Image-guided minimally invasive technique of pancreatic cancer. *Journal of Qilu Nursing*, 16(8): 45-47. <http://www.cnki.com.cn/Article/CJFDTTotal-QLHL201008036.htm>
- 4 \*Liu, C.M., Liu, W., & Lou, F.L. (2010). Study on the Applicability of PBL teaching method in the training of emergency nurses. *Journal of Qilu Nursing*, 16(19): 95-96. <http://www.cnki.com.cn/Article/CJFDTTotal-QLHL201019070.htm>
- 3 Zang, Y.L., Liu, W., & Lou, F.L. (2009). Translation technology of nursing measuring instruments. *China Journal of Nursing Education*, 6(6), 275-277. [http://en.cnki.com.cn/Article\\_en/CJFDTTotal-ZHHU200906014.htm](http://en.cnki.com.cn/Article_en/CJFDTTotal-ZHHU200906014.htm)
- 2 \*Chen, L., Zang, Y.L., & Liu, W. (2009). A study of terms in earthquake disaster nursing. *Journal of Practical Nursing*, 25(2), 27-29. <http://www.cqvip.com/qk/92529a/200902/29399322.html>
- 1 \*Ju, X.L., Zang, Y.L., Liu, W., Chen, X.X., & Lou, F.L. (2009). Study on the applicability of the Adolescent Health and Development course in Mainland China. *Journal of Nursing Science*, 24(2, Surgery Edition), 8-10. [http://en.cnki.com.cn/Article\\_en/CJFDTTotal-HLXZ200902005.htm](http://en.cnki.com.cn/Article_en/CJFDTTotal-HLXZ200902005.htm)

### Manuscripts Under Review/Revision

- 1 \*Liu W., Perkhounkova, E., Williams, KN., Batchelor, M. K., & Hein, M. (Under Review). Mealtime Nonverbal Behaviors in Nursing Home Staff and Residents with Dementia: Behavioral Analyses of Videotaped Observations. *Journal of Advanced Nursing*. (IF= 3.187)
- 2 \*Liu W., Batchelor, M. K., Perkhounkova, E., & Hein, M. (Under Review). Person-centered and Task-centered Care: Impact on Mealtime Behaviors in Nursing Home Residents with Dementia. *Journal of Advanced Nursing*. (IF= 3.187)

- 3 \***Liu W.**, Perkhounkova, E., & Hein, M. Person-centered and Task- centered care and Mealtime Behaviors in Nursing Home Residents with dementia: Impact on Food Intake. *Innovative in Aging (submitted abstract for a special issue call for papers)*
- 4 \***Liu W.**, & Chen, Y. (Under Review). Sequential Relationships of Food Intake in Nursing Home Residents with Dementia: A Multistate Model of Videotaped Observations. *Journal of Clinical Nursing* (IF= 3.036)

### Book Chapters [Translated]

- 1 Liu, W., & Lou, F.L. (2010). Chinese version of *Nursing Students Success made Incredibly Easy!* (Chapter 1&2), Peking University Press.

### Presentations [all peer-reviewed. italic- *student trainee/mentee*; underline - senior authors]

#### International (N=9)

- 11 **Liu, W.**, & *Kim, S.* (2021). Dyadic Interactions, Physical Environment, and Social Environment in Dementia Mealtime Care: A Systematic Review of Psychometric Properties of Instruments. The Alzheimer's Association International Conference® 2021 (AAIC®, Virtual). **Poster**
- 10 \***Liu W.**, Perkhounkova, E., Williams, KN., Batchelor, M. K., & Hein, M. (2021). Mealtime Nonverbal Communications among Nursing Home Staff and Residents with Dementia: A Secondary Analysis of Videotaped Observations. The Alzheimer's Association International Conference® 2021 (AAIC®, Virtual). **Poster**
- 9 **Liu, W.**, Williams, K. N., Batchelor-Murphy, M., Smith, M., Perkhounkova, E., & Hein, M. (2018). Eating Behaviors in Relation to Food and Fluid Intake in Nursing Home Residents with Dementia: Computer-Assisted Behavioral Analysis of Mealtime Videos. Alzheimer's Association International Conference® (AAIC®), Chicago, IL, USA. **Paper**
- 8 **Liu W.**, Tripp-Reimer, T., Williams, KN., *Shaw, C.*, & *Manthai, T.* (2018). Optimizing Eating Performance among Cognitively Impaired Older Adults: Facilitators and Barriers from Nursing Assistants' Perspectives. Alzheimer's Association International Conference® (AAIC®), Chicago, IL, USA. **Poster**
- 7 **Liu, W.**, *Shaw, C.*, & Chen, X. (2018). The Association between Eating Performance, and Dental Related Function and Oral Health in Assisted Living Residents with Cognitive Impairment. Alzheimer's Association International Conference® (AAIC®), Chicago, IL, USA. **Poster**
- 6 *VonderHaar, K.*, *Bordenet, C.*, & **Liu, W.** (2018). Promoting Eating Performance for Cognitively Impaired Institutionalized Residents: Prioritized Problematic Mealtime Behaviors and Targeted Nursing Strategies. Alzheimer's Association International Conference® (AAIC®), Chicago, IL, USA. **Student Poster (supported by UI CON Young Scientist Award Program)**

- 5 **Liu, W.**, Tripp-Reimer T., & Williams, K. N. (2017). Optimizing Eating Performance among cognitively impaired Nursing Home Residents: Intra-personal, Inter-personal and Environmental Facilitators and Barriers from Certified Nursing Assistant perspective. Nursing Home Research International Working Group Congress, Saint-Louis, MO, USA. **Poster.**
- 4 **Liu, W.**, Jao, Y.L., & Williams, K. N. (2017). Eating Performance and Environmental Stimulation among Older Adults with Dementia in Nursing Homes. The 21<sup>st</sup> International Association of Gerontology and Geriatrics (IAGG) World Congress of Gerontology and Geriatrics, San Francisco, CA, USA. **Poster.**
- 3 **Liu, W.**, Unick, J., Galik, E., & Resnick, B. (2015). Activities of Daily Living Among Nursing Home and Assisted Living Residents: A Multilevel Analysis. Honor Society of Nursing, Sigma Theta Tau International (STTI) 43<sup>rd</sup> Biennial Convention. Las Vegas, NV, USA. **STTI “Rising Star in Scholarship and Research” Poster**
- 2 **Liu, W.**, & Lou F.L. (2013). Predictive Factors of Mealtime Difficulties in Older Adults with Dementia: A Cross-sectional Design. Honor Society of Nursing, Sigma Theta Tau International (STTI) 42<sup>nd</sup> Biennial Convention. Indianapolis, IN, USA. **Paper**
- 1 Cheon, J., **Liu, W.** & Thomas, S. (2012). Interventions for family caregivers of terminal cancer patients: Systematic review. Chicago International Nursing Conference: Advances in Nursing Education, Research, and Practice/Service: World View, Chicago, IL, USA. **Poster**

#### **National (N=21)**

- 21 **Liu W.**, Williams, KN., Perkhounkova, E., & Hein, M. (2021). Person-centered and Task-centered Care and Mealtime Behaviors in Nursing Home Residents Living with Dementia: Impact on Food Intake. 2021 National Hartford Center of Gerontological Nursing Excellence (NHCGNE) Virtual Leadership Conference. **e-poster**
- 20 **Liu, W.**, & *Kim, S.* (2021). Measuring Dyadic Interactions and Dining Environment in Dementia Mealtime Care: A Systematic Review of Instruments. The Gerontological Society of America (GSA)'s 73<sup>rd</sup> Annual Scientific Meeting (virtual). **Paper**
- 19 **Liu W.**, Williams, KN., Batchelor, M. K., Perkhounkova, E., & Hein, M. (2021). Person-centered & Task-centered Mealtime Care: Impact on Positive, Neutral, & Challenging Behaviors in People with Dementia. The Gerontological Society of America (GSA)'s 73<sup>rd</sup> Annual Scientific Meeting (virtual). **Paper**
- 18 **Liu W.**, Williams, KN., & Chen, Y. (2020). Sequential Dependencies in Solid and Fluid Intake in Nursing Home Residents with Dementia: A Multistate Model. The Gerontological Society of America (GSA)'s 72<sup>nd</sup> Annual Scientific Meeting (Virtual). **Late Breaking Poster**

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- 17 **Liu W.**, Perkhounkova, E., Williams, KN., Batchelor, M. K., & Hein, M. (2020). Characterizing Mealtime Verbal Interactions among Nursing Home Staff and Residents with Dementia. The Gerontological Society of America (GSA)'s 72<sup>nd</sup> Annual Scientific Meeting (Virtual). **Poster**
- 16 Jao, YL., Coleman, C., Williams, KN., Berish, D., **Liu, W.**, Berkley, A., & Liao, YJ. (2020). Measuring Caregiver Person-Centered Communication with Persons with Dementia via Video Observations. The Gerontological Society of America (GSA)'s 72<sup>nd</sup> Annual Scientific Meeting (Virtual). **Poster**
- 15 Batchelor-Murphy, M., & **Liu, W.** (2020). Development and Testing of the Mealtime Engagement Scale for Nursing Home Residents with Dementia. The 2020 Council for the Advancement of Nursing Science (CANS, Virtual). **podium**
- 14 **Liu W.**, Perkhounkova, E., Williams, KN., Batchelor, M. K., & Hein, M. (2020). Mealtime Verbal Interaction among Nursing Home Staff and Residents with Dementia and Associations with Participants' Characteristics (accepted as poster presentation). The American Geriatrics Society 2020 Annual Scientific Meeting (cancelled due to COVID-19)
- 13 **Liu, W.**, Batchelor-Murphy, M., & Williams, K. N. (2019). Development, Reliability, and Validity of the Caregiver Mealtime Engagement Scale in Nursing Homes. The Gerontological Society of America (GSA)'s 71<sup>st</sup> Annual Scientific Meeting, Austin, Texas, USA. **Poster**
- 12 Jao, YL., **Liu, W.**, & Williams, KN. (2018). Association between Environmental Stimulation and Apathy in Nursing Home Residents with Dementia. The Gerontological Society of America (GSA)'s 70<sup>th</sup> Annual Scientific Meeting, Boston, MA, USA. **Paper**
- 11 Jao, YL., **Liu, W.**, Galik, E., Chaudhury, H., *Parajuli, J.*, & *Holmes, S.* (2018). Does Person-Environment Fit Play a Role on Apathy in Long-Term Care Residents with Dementia? The Gerontological Society of America (GSA)'s 70<sup>th</sup> Annual Scientific Meeting, Boston, MA, USA. **Poster**
- 10 **Liu, W.**, *Shaw, C.*, & Chen, X. (2018). Association Between Eating Performance, and Dental Related Function and Oral Health in Residents With Dementia. The Gerontological Society of America (GSA)'s 70<sup>th</sup> Annual Scientific Meeting, Boston, MA, USA. **Poster**
- 9 **Liu, W.**, Williams, K. N., Batchelor-Murphy, M., Smith, M., Perkhounkova, E., & Hein, M. (2018). Eating Performance in Relation to Food and Fluid Intake in Nursing Home Residents With Dementia. The Gerontological Society of America (GSA)'s 70<sup>th</sup> Annual Scientific Meeting, Boston, MA, USA. **Poster**
- 8 **Liu, W.**, Williams, K. N., Batchelor-Murphy, M., Smith, M., Perkhounkova, E., & Hein, M. (2018). Eating Behaviors in Relation to Food and Fluid Intake in Nursing Home Residents with Dementia: Computer-Assisted Behavioral Analysis of Mealtime Videos. The Council for the Advancement of Nursing Science (CANS), Washington DC, USA. **Podium**

- 7 Kolanowski, A., Boltz, M., Galik, E., Gitlin, L., Kales, H., Resnick, B., Van Haitsma, K., Knehans, A., Sutterlin, J., Sefcik, J., **Liu, W.**, Petrovsky, D., Massimo, L., Gilmore-Bykovskiy, A., MacAndrew, M., Brewster, G., Nalls, V., Jao, Y-L., Duffort, N., & Scerpella, D. (2017). Determinants of behavioral and psychological symptoms of dementia: A scoping review of the evidence. The Council for the Advancement of Nursing Science (CANS), Washington DC, USA. **Paper**
- 6 **Liu, W.**, Freiburg, A., & Williams, K. N. (2016). Facilitators and Barriers to Engaging Cognitively Impaired Residents in Self-Eating. The Gerontological Society of America (GSA)'s 69<sup>th</sup> Annual Scientific Meeting, New Orleans, LA, USA. **Paper**
- 5 **Liu, W.**, Unick, J., Galik, E., & Resnick, B. (2015). Barthel Index of Activities of Daily Living: Multilevel Analysis of Individual and Residential Characteristics for Long-term Care Residents. The Gerontological Society of America (GSA)'s 68<sup>th</sup> Annual Scientific Meeting, Orlando, FL, USA. **Paper**
- 4 **Liu, W.**, Unick, J., Galik, E., & Resnick, B. (2014). Barthel Index of Activities of Daily Living: Item Response Theory Analysis for Long-term Care Adults. The Council for the Advancement of Nursing Science (CANS). Washington, DC, USA. **Poster**
- 3 **Liu, W.**, Unick, J., Galik, E., & Resnick, B. (2014). Barthel Index of Activities of Daily Living: Item Response Theory Analysis for Long-term Care Adults. The Gerontological Society of America (GSA)'s 67<sup>th</sup> Annual Scientific Meeting, Washington, DC, USA. **Poster**
- 2 **Liu, W.**, Galik, E., & Resnick, B. (2014). Effects of Physical Capacity and Cognition on Eating in Long-term Care Adults with Dementia. The Gerontological Society of America (GSA)'s 67<sup>th</sup> Annual Scientific Meeting, Washington, DC, USA. **Paper**
- 1 Galik, E., Resnick, B., **Liu, W.**, & Watson-Wolfe, K. (2013). Decreasing Behavioral Symptoms While Optimizing Function in Long Term Care Residents with Moderate to Severe Cognitive Impairment. The Gerontological Society of America (GSA)'s 66<sup>th</sup> Annual Scientific Meeting. New Orleans, LA, USA. **Symposium**

**Regional (N=16)**

- 16 **Liu W.**, Williams, KN., Perkhounkova, E., & Hein, M. Person-centered and Task- centered care and Mealtime Behaviors in Nursing Home Residents with dementia: Impact on Food Intake. Mid-West Nursing Research Society (MNRS) 46<sup>th</sup> Annual Research Conference (virtual). Chicago, IL, USA. **Competitive symposium session 'Cognitive Health and Function of Older Adults'**.
- 15 **Liu W.**, Williams, KN., Batchelor, M. K., Perkhounkova, E., & Hein, M. (2020). Mealtime Nonverbal Communications among Nursing Home Staff and Residents with Dementia: A

- Secondary Analysis of Videotaped Observations. Mid-West Nursing Research Society (MNRS) 45<sup>th</sup> Annual Research Conference (virtual). Poster
- 14 **Liu, W., Kim, S., & Alessio, H. (2020).** Measuring Caregivers' Knowledge, Attitude, and Behaviors During Mealtime Care of Persons With Dementia: A Systematic Review of instruments. Mid-West Nursing Research Society (MNRS) 44<sup>th</sup> Annual Research Conference (Virtual), Schaumburg, IL, USA. **Poster.**
- 13 **Liu, W., Batchelor-Murphy, M., & Williams, K. N. (2019).** Feasibility, Ease of Use, and Inter-rater Reliability of the Cue Utilization and Engagement in Dementia Mealtime Video-coding Scheme. Mid-West Nursing Research Society (MNRS) 43<sup>rd</sup> Annual Research Conference, Kansas City, KS, USA. **Paper**
- 12 *Rediehs, M., & Liu, W. (2019).* Mealtime Difficulties and Targeted Non-Pharmacological Interventions for Individuals with Dementia: A Systematic Review. Mid-West Nursing Research Society (MNRS) 43<sup>rd</sup> Annual Research Conference, Kansas City, KS, USA. **Student competitive poster**
- 11 **Liu, W., Williams, K. N., Batchelor-Murphy, M., Smith, M., Perkhounkova, Y., & Hein, M. (2018).** Eating Behaviors in Relation to Food and Fluid Intake in Nursing Home Residents with Dementia: Computer-Assisted Behavioral Analysis of Mealtime Videos. Mid-West Nursing Research Society (MNRS) 42<sup>nd</sup> Annual Research Conference, Cleveland, OH, USA. **Late Breaking Poster**
- 10 *VonderHaar, K., Bordenet, C., & Liu, W. (2018).* Promoting Eating Performance for Cognitively Impaired Institutionalized Residents: Prioritized Problematic Mealtime Behaviors and Targeted Nursing Strategies. Mid-West Nursing Research Society (MNRS) 42<sup>nd</sup> Annual Research Conference, Cleveland, OH, USA. **Late Breaking Poster (supported by UI CON Young Scientist Award Program)**
- 9 Jao, Y.-L., Parajuli, J., Sefcik, J. S., **Liu, W.**, Petrovsky, D. V., Massimo, L., Gilmore-Bykovskiy, A., MacAndrew, M., Brewster, G., & Kolanowski, A. (2018). Determinants of Behavioral and Psychological Symptoms of Dementia: A Scoping Review. Eastern Nursing Research Society (ENRS) 30<sup>th</sup> Annual Research Conference, Newark, New Jersey. **Poster**
- 8 **Liu, W., Jao, Y.L., & Williams, K. N. (2017).** Personal and Environmental Factors that Influence Eating Performance among Older Adults with Dementia in Nursing Homes. Mid-West Nursing Research Society (MNRS) 41<sup>st</sup> Annual Research Conference, Minneapolis, MN, USA. **Paper**
- 7 **Liu, W., Johantgen, M., & Newhouse, R. (2017).** Psychometric testing of the Smoking Cessation Counseling Scale among Acute Care Magnet® Hospital Nurses. Mid-West Nursing Research Society (MNRS) 41<sup>st</sup> Annual Research Conference, Minneapolis, MN, USA. **Paper**



- 6 **Liu, W.**, Galik, E., Boltz, M., Nahm, E.S., Lerner, N., & Resnick, B. (2016). Factors that Influence Eating Performance for Long-term Care Residents with Moderate-to-Severe Cognitive Impairment. Mid-West Nursing Research Society (MNRS) 40<sup>th</sup> Annual Research Conference, Milwaukee, WI, USA. **Poster discussion**
- 5 **Liu, W.**, Unick, J., Galik, E., & Resnick, B. (2016). Activities of Daily Living among Nursing Home and Assisted Living Residents: A Multilevel Analysis of Individual and Institutional Factors. Mid-West Nursing Research Society (MNRS) 40<sup>th</sup> Annual Research Conference, Milwaukee, WI, USA. **Paper**
- 4 **Liu, W.**, Unick, J., Galik, E., & Resnick, B. (2015). Barthel Index of Activities of Daily Living: Item Response Theory Analysis for Long-term Care Adults. The Southern Nursing Research Society (SNRS) 29<sup>th</sup> Annual Conference, Tampa, FL. **Poster**
- 3 **Liu, W.**, Cheon, J., & Thomas, S. A. (2013). Interventions on mealtime difficulties in older adults with dementia: A systematic review. The Western Institute of Nursing (WIN)'s 46<sup>th</sup> Annual Communicating Nursing Research Conference, Anaheim, CA, USA. **Poster**
- 2 **Liu, W.**, Cheon, J., & Thomas, S. A. (2013). Interventions on mealtime difficulties in older adults with dementia: A systematic review. ([https://nursing.gwu.edu/sites/nursing.gwu.edu/files/downloads/Liu\\_Poster\\_2012.pdf](https://nursing.gwu.edu/sites/nursing.gwu.edu/files/downloads/Liu_Poster_2012.pdf)) 2013 George Washington School of Nursing Sigma Theta Tau International (STTI) Honor Society of Nursing Phi Epsilon Chapter Virtual Scholarly Research Exhibition. **Online Exhibition.** <http://nursing.gwu.edu/scholarly-virtual-exhibition>
- 1 **Liu, W.**, Cheon, J., & Thomas, S. A. (2012). Interventions on mealtime difficulties in older adults with dementia: A systematic review. The 2012 Washington Regional Nursing Research Consortium (WRNRC) 3<sup>rd</sup> Annual Doctoral Student Research Conference, Washington, DC, USA. **Poster**

#### Local (N=8)

- 8 *Altemeier, M.*, & **Liu, W.** (2020). Association between Staff - Resident (Dyadic) Mealtime Nonverbal Interaction and food intake in Nursing Homes. University of Iowa E-Spring Undergraduate Research Festival (Hot-Seat Research Video Project, during COVID-19 pandemic), **Student e-Poster (supported by Iowa Center for Research by Undergraduates fellowship)**
- 7 *Rediehs, M.*, & **Liu, W.** (2020). Non-Pharmacological Nursing Interventions to Improve Mealtime for Dementia Patients. University of Iowa E-Spring Undergraduate Research Festival (PowerPoint Poster and Pitch, during COVID-19 pandemic), **Student e-Poster (supported by Iowa Center for Research by Undergraduates fellowship)**
- 6 *Alessio, H.*, & **Liu, W.** (2019). Characteristics and Patterns of Staff - Resident (Dyadic) Nonverbal Interaction during Mealtimes among Nursing Home Staff and Residents with

Dementia. University of Iowa 9<sup>th</sup> Annual Spring Undergraduate Research Festivals (SURF), Iowa City, IA, USA. **Student Poster (supported by Iowa Center for Research by Undergraduates fellowship)**

- 5 *Altemeier, M., & Liu, W.* (2018). Characteristics of Staff-Resident Mealtime Verbal Communication and Relationship with Intake in Nursing Home Residents with Dementia. University of Iowa 9<sup>th</sup> Annual Fall Undergraduate Research Festivals (FURF), Iowa City, IA, USA. **Student Poster (sponsored by Iowa Center for Research by Undergraduates fellowship)**
- 4 **Liu, W.**, Galik, E., & Resnick, B. (2014). Effects of Physical Capacity and Cognition on Eating in Long-term Care Adults with Dementia. 2014 Graduate Research Conference (GRC). University of Maryland, Baltimore, MD, USA. **Poster**
- 3 **Liu, W.**, Unick, J., Galik, E., & Resnick, B. (2014). Barthel Index of Activities of Daily Living: Item Response Theory Analysis for Long-term Care Adults. 2014 Graduate Research Conference (GRC). University of Maryland, Baltimore, MD, USA. **Paper**
- 2 **Liu, W.**, Unick, J., Galik, E., & Resnick, B. (2014, Invited). Barthel Index of Activities of Daily Living: Item Response Theory Analysis for Long-term Care Adults. University of Maryland, Baltimore School of Nursing PhD lunch and learn journal club. Baltimore, MD, USA. **Oral**
- 1 **Liu, W.**, Galik, E., & Resnick, B. (2013). Optimizing Independent Eating for Institutionalized Older Adults with Dementia: A Systematic Review. 2013 Graduate Research Conference (GRC). University of Maryland, Baltimore, MD, USA. **Poster**

## SERVICE

### Professional Services

#### Professional Organization Service

- |               |  |
|---------------|--|
| 2015- present | Midwest Nursing Research Society (MNRS)<br>Member, MNRS Grant Review Committee (2020-present)<br>Member, membership committee (2019-present)<br>Reviewer, MNRS competitive and student abstracts (2015- present)<br>Reviewer, Gerontological Nursing Science Research Interest Group (GRIG) Award committee (2020) |
| 2013-present  | The Gerontological Society of America (GSA)<br>Abstract reviewer (2015- present)   |
| 2011-present  | Council for the Advancement of Nursing Science (CANS)<br>Member (2011-present)   |
| 2012-2015     | Sigma Theta Tau International (STTI), Honor Society of Nursing, 015 Pi Chapter<br>Member (2012-2015)   |
| 2012-2015     | The International Network for Doctoral Education in Nursing (INDEN)  |

Member (2012-2015)

2014-2015 Southern Nursing Research Society (SNRS)  
Abstract reviewer (2014-2015)

### **Task Forces/Expert Panel**

2015-present Member, I-DINE (International-Dining In Nursing home Experts) Research Consortium  
2015-present Member, Intensive Individualized Comfort Care-Mealtime (IICC-M) community

### **Research Media/outreach**

2021-present Research spokesperson, Alzheimer's Association, Iowa Chapter (invited)

### **Journal Reviewer**

2020-present Journal of Advanced Nursing (IF = 3.187)  
2020- present Western Journal of Nursing Research (IF= 1.967)  
2020- present Journal of Gerontological Nursing (JGN, Review Panel, 3-year term, IF = 1.254)  
2020- present Research in Gerontological Nursing (RGN, Review Panel, 3-year term, IF = 1.571)  
2018- present International Journal of Older People Nursing (IJOPN, IF = 2.115)  
2016- present International Journal of Nursing Studies (IJNS, IF = 5.837)  
2016- present The Gerontologist (TG, IF = 5.271)  
2014- present Nursing Research (NR, IF = 2.381)  
2014- present Journal of Nursing Measurement (JNM, IF= 0.380)  
2012- present Geriatric Nursing (GN, IF = 2.361)  
2020- 2020 BMC Geriatrics (IF = 3.921)  
2018- 2020 PLOS ONE (IF = 3.240)  
2016- 2020 Disability and Rehabilitation (IF = 3.033)  
2016 2020 The Journal of Nutrition, Health and Aging (IF= 4.075)  
2015-2020 Annals of the New York Academy of Sciences (IF = 5.691)  
2015 2020 Nutrition Journal (IF = 3.271)  
2015 2020 Journal of Neuroscience Nursing (IF: 1.230)  
2013 2020 Journals of Gerontology, Series A: Biological Sciences and Medical Sciences (J Gerontol A Biol Sci Med Sci, IF = 6.053)  
2012 2020 Translational Behavioral Medicine: Practice, Policy, Research (TBM, IF = 3.046)

### **University and Collegiate Service**

#### **University of Iowa**

2021 Strategic Planning for 2022-2024 and Leadership committees, Csomay Center for Gerontological Excellence  
2021-2024 College of Nursing representative, University of Iowa Conflict of Interest in Research Committee (CIRC)

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2019- 2024	Member, College of Nursing PhD Admission and Progression Committee
2016-2019, 2020-2021	Member, College of Nursing BSN Admission Committee
2020-present	Grant reviewer, College of Nursing Internal grants
2017	Grant reviewer, Woodrow W. Morris Gerontology Research Award and Barbara and Richard Csomay Gerontology Research Award for students and post-doctoral scholars, Barbara and Richard Csomay Center for Gerontological Excellence
2016-2017	Member, AMBI Search Committee

### **University of Maryland at Baltimore**

2014-2015	Graduate Student Association Representative, Doctoral Student Organization Executive Committee Board
2013-2014	Curriculum Committee Representative, Doctoral Student Organization Executive Committee Board

## **TEACHING**

### **The University of Iowa**

#### **Courses**

Course name: Measurement in Health Research (NURS:7310:0001/0EXW, PhD level)  
 Role (Duration): Primary instructor (2020 Fall - current), Co-instructor/Team-teacher (2019 Fall)

Course name: Professional Role II: Research (NURS:3460:0001, undergraduate level)  
 Role (Duration): Co-instructor/Team-teacher (2017 Spring – 2019 Spring)

Course name: Professional Role II: Research (NURS:3460:0EXV/U/W, undergraduate level)  
 Role (Duration): Team-teacher (2016 Spring -2016 Fall), Primary Instructor (2017 Spring -2019 Spring)

Course name: Intro Human Genetics (NURS:3734:0EXW/0EXV Spr16, undergraduate level)  
 Role (Duration): Team-teacher (2015 Fall - 2016 Spring)

#### **Guest Lectures**

Course name: Measurement in Health Research (NURS:7310:0001/0EXW, PhD level)  
 Title (Duration): Tool Construction (2017 Fall - 2018 Fall)

Course name: Aging Matters: Intro to Gerontology (SSW:1800:0001, undergraduate level)  
 Title (Duration): Eating and Feeding in Dementia (2017 Fall), Optimizing Care Quality, Eating, and Intake: A Program of Research in Dementia Mealtime Care (Spring 2020)

Course name: Gerontological Nursing (NURS:3620:0001, undergraduate level)  
 Title (Duration): Eating and Feeding in Dementia (2017 Spring)

Course name: Gerontological Nursing Practicum (NURS:3625:0001, undergraduate level)

Title (Duration): Successful aging, Healthy Aging (2015 Fall - 2016 Spring)

### **University of Maryland, Baltimore**

#### **Guest Lectures**

Course name: Research and Evidence-based Practice (NURS 316, undergraduate level)

Lecture title: Statistical Analysis of Quantitative Data

Year: 2014

Course name: Science and Research for Advanced Nursing Practice (NURS 701, master level)

Lecture title: Measurement: Reliability and Validity

Year: 2014

Course name: Theory and Conceptualization in Nursing Science (NURS 841, PhD level)

Lecture title: Writing and Publishing a Systematic Review

Year: 2013

### **China**

#### **Courses**

Course name: Nursing Fundamentals & Basic Nursing Concepts and Theories (undergraduate)

Institution: Shandong Medical College, Jinan, China

Role: Instructor (Part-time)

Duration: 2010-2011

Course name: Speaking and Written English

Institution: Jinan Aston English School, Jinan, China

Role: Instructor & Teaching Assistant (Part-time)

Duration: 2010-2011

Course name: Adolescent Health and Development (undergraduate)

Institution: Shandong University School of Nursing

Role: Instructor & Teaching Assistant (Part-time)

Duration: 2007-2008

## **STUDENT/SCHOLAR MENTORING**

### **Postdoctoral Research Scholar**

Scholar Name: Natany da Costa Ferreira Oberfrank, PhD, RN (University of Iowa College of Nursing, USA)

Areas of interest: Development and Validation of Measures to Assess Knowledge and Motivation for Symptom Management on Heart Failure

Role: Co-mentor (Secondary Mentor)

Duration: 2021 - present

### **PhD Comprehensive Examination/Dissertation Committee (Internal)**

***In process***

Student name: Sohyun Kim, MSN, RN (University of Iowa College of Nursing, USA)  
 Title: Refinement and Validation of VNVIS among Informal Caregivers and PLWD in Home Care  
 Role: Co-Chair, Dissertation Committee  
 Member, Comprehensive Exam Committee  
 Duration: 2017-2021

***Completed***

Student name: Clarissa (Claire) Shaw, PhD, RN  
 Institution: University of Iowa College of Nursing, Iowa City, IA, USA  
 Title: Rejection of Care in Hospitalized Persons Living with Dementia: The Impact of Nurse Communication  
 Role: Member, Comprehensive Exam and Dissertation Committee  
 Duration: 2018-2021

**PhD Dissertation Committee (External, Invited)**

Student name: Sarah Wu  
 Institution: University of Waterloo (UW) Department of Kinesiology and UW Research Institute for Aging, Waterloo, Ontario, Canada  
 Title: Relational Mealtimes in Long-Term Care: Understanding the context of care at mealtimes for residents with eating challenges  
 Role: External Examiner of the PhD Thesis (Oral) Examining Committee (Invited and approved by the Graduate Studies at UW)  
 Duration: 2021

**DNP Project Committee (external, completed)**

Student name: Joshua Griffin  
 Institution: University of Maryland School of Nursing, Baltimore, MD, USA  
 Title: Implementation of a Mealtime Assistance Training Program for Long Term Care Staff Assisting Residents with Dementia  
 Role: Consultant  
 Duration: 2019-2020

**Undergraduate Research*****ICRU (Iowa Center for Research by Undergraduates fellowship)***

Student name: Altemeier, Maya (Public Health. Pre-med track)  
 Project title: Association between Staff - Resident (Dyadic) Mealtime Nonverbal Interaction and food intake in Nursing Homes  
 Fellowship type: University of Iowa 2019-2020 Academic Year Research Fellowship  
 Product: A virtual presentation in Spring 2020 (see Presentations - Local - #8)

Student name: Rediehs, McKenzie(Nursing)  
 Project title: Non-Pharmacological Nursing Interventions to Improve Mealtime for Dementia Patients

Fellowship type: University of Iowa 2019-2020 Academic Year Research Fellowship  
 Product: A virtual presentation in Spring 2020 (see Presentations - Local - #7)

Student name: Alessio, Holly(Nursing)  
 Project title: Characteristics and Patterns of Staff - Resident (Dyadic) Nonverbal Interaction during Mealtimes among Nursing Home Staff and Residents with Dementia

Fellowship type: University of Iowa 2018-2019 Academic Year Research Fellowship  
 Product: A poster presentation in Spring 2019 (see Presentations - Local - #6)

Student name: Altemeier, Maya (Public Health. Pre-med track)  
 Project title: Characteristics and Patterns of Staff - Resident (Dyadic) Verbal Interaction during Mealtimes among Nursing Home Staff and Residents with Dementia

Fellowship type: University of Iowa Summer 2018 Research Fellowship  
 Product: A poster presentation in Fall 2018 (see Presentations - Local - #5)

### **UI CON Young Scientist Award Program**

Student name: Kayla VonderHaar(Nursing)

Duration: 2017-2018

Project title: Promoting Eating Performance for Cognitively Impaired: Description of Nursing Home Resident Mealtime Behaviors and Targeted Nursing Strategies

Product: An international presentation in Summer 2018 (see Presentations- International- #6)  
 A regional presentation in Spring 2018 (see Presentation – Regional- #10)

Student name: Alaria Harken (Nursing)

Duration: 2021-current

Project title: Identifying Person-Centered Mealtime Care Principles for People with Dementia – A Combination of Literature Synthesis and Direct Care Experiences

Product: In Progress

Student name: Lena Hughes (Nursing)

Duration: 2021-current

Project title: Developing Cases and Scenarios of Mealtime Challenging Behaviors and Targeted Behavioral Interventions – A Combination of Literature Synthesis and Direct Care Experiences

Product: In Progress

### ***Honors Independent Study (NURS:4099, 3 sch)***

Student name: Eliza Miller(Nursing)

Semester: Spring 2018

Project description: Experiences related to transcription and behavioral coding of mealtime difficulties for people with dementia using videotaped observations

Product: An in-class presentation at one PR II: Research class describing experiences and encouraging students to get involved with research during undergraduate program

Student name: Toby Manthai (Graduate School, Professional degree)  
Semester: Fall 2017  
Project description: Experiences related to transcribing and analyzing qualitative data from focus group interviews to understand facilitators and barriers in optimizing eating performance among cognitively impaired older adults from nursing assistants' perspectives.  
Product: An international presentation in Summer 2018 (see Presentations- International- #8)

Student name: Margaret Turk(Nursing)  
Semester: Fall 2017  
Project description: Identifying gaps between the knowledge and training of direct care staff in nursing homes providing mealtime assistance to residents with dementia and evidence from literature on staff training  
Product: An in-class project presentation, and an information brochure shared with local nursing homes, aging agencies, and public places (e.g., local public libraries)

Student name: Megan Lough(Nursing)  
Semester: Spring 2016  
Project description: Experiences related to recruiting direct care staff in nursing homes and assisting with focus group interviews to identify successful/unsuccessful processes that exist surrounding the issue of engaging residents in self-eating  
Product: A project summary describing related research experiences