

## Xiaoxue LENG

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### EDUCATION

- 2021-2024                      **Central China Normal University (CCNU), Wuhan, China**  
M.Ed. in Psychology  
**Thesis:** *The effects of viewing perspective in learning from instructional videos which demonstrate a step-by-step procedure*  
**Advisor:** Dr. Fuxing Wang
- 2017-2021                      **Central China Normal University, Wuhan, China**  
B.S. in Psychology with Honors

### PUBLICATIONS

#### Journal Articles in English (N = 6)

- Wang, F., **Leng, X.**, Kuang, Z., & Zhao, T. (2024). Eye movement modelling examples as cues to guide attention and improve learning in short or long animations. *Journal of Computer Assisted Learning*, 41, e13094. <https://doi.org/10.1111/jcal.13094>
- Leng, X.**, Zhu, W., Mayer, R. E., & Wang, F. (2024). The viewing perspective effect in learning from instructional videos: A replication and neuroimaging extension. *Learning and Instruction*, 94, 102004. <https://doi.org/10.1016/j.learninstruc.2024.102004>
- Li, W., Kuang, Z., **Leng, X.**, Mayer, R. E., & Wang, F. (2024). Role of gesturing onscreen instructors in video lectures: A set of three-level meta-analyses on the embodiment effect. *Educational Psychology Review*, 36(67). <https://doi.org/10.1007/s10648-024-09910-0>
- Leng, X.**, Wang, F., Mayer, R. E., & Zhao, T. (2024). How to train students to engage in text-picture integration for multimedia lessons. *British Journal of Educational Technology*, 55(3), 1167–1188. <https://doi.org/10.1111/bjet.13419>
- Kuang, Z., Jiang, X., Shubeck, K., **Leng, X.**, Li, Y., Zhang, R., Wang, Z., Peng, S., & Hu, X. (2024). The effect of different question types on vicarious learning. *Educational Psychology*, 44(2), 208-226. <https://doi.org/10.1080/01443410.2024.2325589>
- Leng, X.**, Wang, F., & Mayer, R. E. (2024). Is student learning from a video lecture affected by whether the instructor wears a mask? *Applied Cognitive Psychology*, 38(1), e4169. <https://doi.org/10.1002/acp.4169>

#### Journal Articles in Chinese (N = 5)

- Kuang, Z., **Leng, X.**, Wang, F., & Hu, X. (Accepted). Graspable: The promoting effect of tracing gesture on learning. *Psychological Development and Education*.
- Wang, F., Huang, Y., Zhang, Y., Zhu, W., & **Leng, X.** (2024). Prompts affect learning-by-teaching process and learning outcome in multimedia learning. *Acta Psychologica Sinica*, 56(4), 469-

481. <https://doi.org/10.3724/SP.J.1041.2024.00469>

Wang, F., Huang, Y., **Leng, X.**, & Kuang, Z. (2023). Learning-by-teaching promotes the effect of multimedia learning: The impact of self-generated drawing. *Journal of Soochow University (Educational Science Edition)*, (3), 97–106. <https://doi.org/10.19563/j.cnki.sdjk.2023.03.008>

Cheng, M., Kuang, Z., **Leng, X.**, Zhang, Y., & Wang, F. (2023). Can learning by non-interactive teaching promote learning? *Advances in Psychological Science*, 31(5), 769–782. <https://doi.org/10.3724/SP.J.1042.2023.00769>

**Leng, X.**, Cheng, M., & Wang, F. (2022). The effects of testing and feedback on segmentation principle in video learning. *Studies of Psychology and Behavior*, 20(01), 52–58. <https://doi.org/10.12139/j.1672-0628.2022.01.008>

## CONFERENCE & PRESENTATIONS

Zhu, W., **Leng, X.**, Mayer, R. E., & Wang, F. (2025, April). *No need for webcams with synchronous online learning*. The 2025 American Educational Research Association Annual Meeting, Denver, Colorado, United States.

Xiong, F., Ma, A., & **Leng, X.** (2023, November). *Understanding individual differences in reading Chinese traditional poetry using hidden Markov Models*. The International Conference on Intelligent Education and Intelligent Research 2023, Wuhan, Hubei, China.

**Leng, X.**, Kuang, Z., Wang, F., & Qiao, P. (2023, October). *The effects of tracing gesture on learning outcomes and cognitive load: Evidence from two three-level meta-analyses*. The 25th National Academic Conference of Psychology, Chengdu, Sichuan, China.

Zhu, W., **Leng, X.**, & Wang, F. (2023, October). *Can the presence of teacher and student promote online learning?*. The 25th National Academic Conference of Psychology, Chengdu, Sichuan, China.

Huang, Y., Zhang, Y., Zhu, W., **Leng, X.**, & Wang, F. (2023, October). *Prompts affect learning-by-teaching process and learning outcome in multimedia learning*. The 25th National Academic Conference of Psychology, Chengdu, Sichuan, China.

**Leng, X.**, Wang, F., Kuang, Z., & Zhao, T. (2023, September). *Eye movement modelling examples as cues to guide attention and improve learning in short or long animations*. The 9th China International Conference on Eye Movements, CICEM 2023, Tianjin, China.

**Leng, X.**, Zhao, T., & Wang, F. (2022, November). *The effects of eye movement modeling examples and verbal instruction in video learning*. The 24th National Academic Conference of Psychology, Xinxiang, Henan, China.

**Leng, X.**, Wang, F., & Zhu, W. (2022, November). *Do instructors' wearing masks affect students' learning?*. The 24th National Academic Conference of Psychology, Xinxiang, Henan, China.

Cheng, M., Wang, F., & **Leng, X.** (2022, November). *Audience size on learning-by-teaching: Clarifying the social presence hypothesis*. The 24th National Academic Conference of Psychology, Xinxiang, Henan, China.

Huang, Y., **Leng, X.**, Kuang, Z., & Wang, F. (2022, November). *Learning-by-teaching promotes the*

*effect of multimedia learning: The impact of self-generated drawing.* The 24th National Academic Conference of Psychology, Xinxiang, Henan, China.

**Leng, X.**, Wang, F., & Cheng, M. (2021, October). *Incorporated self-test and feedback enhances learners' learning outcomes during the learning with segmentation.* The 23th National Academic Conference of Psychology, Hohhot, Inner Mongolia, China.

## MANUSCRIPTS UNDER REVIEW

Cheng, M., Zhu, W., **Leng, X.**, Mayer, R. E., & Wang, F. Out of sight, out of distraction: Improving learning by non-interactive teaching as a generative learning activity by masking an audience's face. (Under Review)

Zhu, W., **Leng, X.**, Mayer, R. E., & Wang, F. No need for webcams with synchronous online learning. (Minor Revision)

## RESEARCH EXPERIENCE

2021-2024	<b>Graduate Research Assistant</b> Learning and Child Development Lab, CCNU, Wuhan, China PI: Dr. Fuxing Wang
2020-2021	<b>Undergraduate Research Assistant</b> Learning and Child Development Lab, CCNU, Wuhan, China PI: Dr. Fuxing Wang

## TEACHING EXPERIENCE

### School of Psychology, CCNU

2022 Fall, 2023 Fall	<b>Instructor</b> Safety & Technique Use (two-week courses) Laboratory Center
2023 Spring	<b>Graduate Teaching Assistant</b> Introduction to Psychology II
2022 Fall	<b>Graduate Teaching Assistant</b> Introduction to Psychology I

## HONORS & AWARDS

### Received at Central China Normal University

2023	Second Class Scholarship (8,000 RMB)
2022	Outstanding Graduate Scholarship (Third Prize, 1,000 RMB)
2021, 2022	First Class Scholarship (12,000 RMB)
2021	Outstanding Graduates Award

2020-2021	National Undergraduate Training Program for Innovation and Entrepreneurship & Student Research Training Program (10,000 RMB)
2019-2020	Undergraduate Student Research Training Program (2,000 RMB)

## **SERVICES**

2019-2020	<b>Editor</b> Journal of Undergraduates of Central China Normal University (Humanities and Social Sciences Section)
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