

## Huichao Ji

### Curriculum Vitae

04/2023

### Contact Information

Department of Psychology

Email: huichao.ji@yale.edu

Yale University

Homepage: <https://huichaoji.github.io/>

New Haven, CT

Phone: +1 203-530-6827

### Education

09. 2022 - Present

Ph.D. student, Department of Psychology, Yale University

*Advisor:* Brian Scholl

08. 2019 - 06. 2022

M.S., Psychology, Sun Yat-sen University

*Advisor:* Xiaowei Ding

08. 2015 - 06. 2019

B.S., Psychology, Sun Yat-sen University

### Research Experience

02. 2021 - 09. 2021

Research intern, Cognition lab, University of Zurich

Supervised by Ven Popov and Klaus Oberauer

### Publications

Xu, L., Yang, Z., **Ji, H.**, Chen, W., Lin, Z., Huang, Y., & Ding, X. (2023). Direct evidence for proactive suppression of salient-but-irrelevant emotional information inputs. *Emotion*.

Advance online publication. <https://doi.org/10.1037/emo0001213>

Sun, Y., Wang, X., Huang, Y., **Ji, H.**, & Ding, X. (2022). Biological motion gains preferential access to awareness during continuous flash suppression: Local biological motion matters. *Journal of Experimental Psychology: General*, 151(2), 309–320.

<https://doi.org/10.1037/xge0001078>

**Ji, H.**, Yin, J., Huang, Y., & Ding, X. (2020). Selective attention operates on the group level for interactive biological motion. *Journal of Experimental Psychology: Human Perception and Performance*, 46(12), 1434–1442. <https://doi.org/10.1037/xhp0000866>

\* Equal contribution

Huang, Y., Liu, Z., **Ji, H.**, Duan, Z., Ling, H., Chen, J., & Ding, X. (2020). Attentional bias in methamphetamine users: a visual search task study. *Addiction Research & Theory*, 28(6), 517-525. <https://doi.org/10.1080/16066359.2019.1708905>

Shao, M., Yin, J., **Ji, H.**, Yang, Y., & Song, F. (2020). Distance perception warped by social relations: Social interaction information compresses distance. *Acta Psychologica*, 202, 102948. <https://doi.org/10.1016/j.actpsy.2019.102948>

**Ji, H.**, & Pan, J. S. (2019). Can I choose a throwable object for you? Perceiving affordances for other individuals. *Frontiers in Psychology*, 10, 2205. <https://doi.org/10.3389/fpsyg.2019.02205>

## Manuscripts

**Ji, H.**, Wang, K., Kong, G., Zhang, X., He, W., & Ding, X. (submitted). The basic units of working memory manipulation are Boolean maps, not objects.

**Ji, H.**, & Scholl, B. J. (in preparation). ‘Visual verbs’: Dynamic event types are extracted spontaneously during visual perception.

**Ji, H.**, Yu, Y., & Ding, X. (in preparation). Real-size-based warping in working memory [working title].

Ding, X., **Ji, H.**, Xu, L., Luo, X., & Sun, Y. (in preparation). Dissociation between temporal attention and consciousness: Unconscious temporal cue induces temporal expectation effect.

Su, Z., Xie, J., Zhao, Y., Zhou, C., **Ji, H.**, & Ding, X. (in preparation). Physiological mechanisms of episodic memory retrieval: New findings from intracranial sharp-wave ripples. (in Chinese)

Su, Z., Li, Y., **Ji, H.**, & Ding, X. (in preparation). Serial dependence in biological motion perception [working title].

## Conference Presentations

**Ji, H.** & Scholl, B. J. (2023). 'Visual verbs': Dynamic event types (such as twisting vs. rotating) are extracted quickly and spontaneously during visual perception. Poster to be presented at the annual meeting of the Vision Sciences Society, 5/22/23, St. Pete Beach, FL.

Popov, V., **Ji, H.**, & Oberauer, K. (2021). Uncertainty Ratings Can Improve the Estimation of Memory Precision by Several Orders of Magnitude. Talk given at the Psychonomic Society's 62nd Annual Meeting, 11/6/21, online.

**Ji, H.**, Wang, K., Kong, G., Mao, H., Zhang, X., & Ding, X. (2021). How does Working Memory Work? Objects but not Boolean Maps as the Manipulation Unit of Working Memory. Poster presented at the annual meeting of the Vision Sciences Society, 5/25/21, online.

Yang, Z., **Ji, H.**, Chen, W., Ren, Y. (2021). Category Learning of Medical Images: How does Comparison Help? Poster presented at the annual meeting of the Vision Sciences Society, 5/25/21, online.

Li, W., **Ji, H.**, Gao, Z., Ding, X. (2021). Memory Superiority for Interactive Biological Motion in Working Memory. Poster presented at the annual meeting of the Vision Sciences Society, 5/25/21, online.

He, W., **Ji, H.**, Gao, Z., Ding, X. (2021). The Fate of Surface Features in Moving Object When Crossing a Tunnel. Poster presented at the annual meeting of the Vision Sciences Society, 5/25/21, online.

Li, Y., Ding, X., Qian, J., Su, Z., **Ji, H.** (2021). Serial Dependence in Biological Motion Perception. Poster presented at the annual meeting of the Vision Sciences Society, 5/24/21, online.

**Ji, H.**, Yin, J., Huang, Y., & Ding, X. (2020). Event-based Attention: Selective Attention can Operate Interactive Biological Motion as a Unit. Poster presented at the annual meeting of the Vision Sciences Society, 6/12/20, online. <https://doi.org/10.1167/jov.20.11.203>

**Ji, H.**, Wang, K., Mao, H., Zhang, X., & Ding, X. (2020). How does Working Memory Work? The Manipulation Unit of Visual Working Memory. Talk given at the Virtual Working Memory Symposium, 6/3/20, online.

**Ji, H.**, & Pan, J. S. (2019). Can I Choose a Throwable Object for You? Perceiving Affordances for Other Individuals. Poster presented at the 4th China Vision Science, 7/7/19, Chengdu, Sichuan, China.

## Grants

06. 2018 - 03. 2019

Laboratory Open Fund of Sun Yat-sen University,  
*"Exploring the relationship between sensory perception  
 and motor control: Take throwing as an example."*  
 (CNY10,000)  
 Principal investigator

## Honors

2022

*Outstanding Graduate Award*

Sun Yat-sen University

2021

*Oral Presentation Award (2<sup>nd</sup> place)*

Greater Bay Area Young Scholars Forum on Psychological Science

2021

*Second Prize Scholarship of Outstanding Students*

Sun Yat-sen University

2020

*National Scholarship for Graduate Student*

The Ministry of Education of the People's Republic of China

2020

*First Prize Scholarship of Outstanding Students*

Sun Yat-sen University

2019

*Second Prize Scholarship of Outstanding Students*

Sun Yat-sen University

2018

*Third Prize Scholarship of Outstanding Students*

Sun Yat-sen University

2017

*Academic Progress Award*

Sun Yat-sen University

### **Invited Talks**

2022.3

Perception & Mind Lab

Johns Hopkins University

### **Teaching Experience**

2020

Teaching Assistant, Special Topics on Attention Research  
(Xiaowei Ding), Sun Yat-sen University

### **Students Supervised**

2020-2021

Yichen Yu, Sun Yat-sen University'21

(now Master student at UCL)

- 2020-2021 Innovation training program for college students, “*A new framework for social working memory: A series of studies based on virtual reality*”, Xinlin Yang, Lechen Hu, Xinyue Liang, Sihan Wei, Sun Yat-sen University’23
- 2020-2021 Innovation training program for college students, “*Serial dependence in biological motion perception*”, Yongqi Li, Zhou Su, Jiayu Qian, Jizhen Xiao, Sun Yat-sen University’22

## Academic Skills

- Data collection:* Psychophysics (JavaScript, MATLAB), eye-tracking (Eyelink 1000Plus), EEG, fMRI
- Data analysis:* MATLAB, R, Python, JASP, SPSS
- Graphics:* R, MATLAB, Adobe Illustrator, Photoshop, Lightroom
- Language:* Chinese (native), English (proficient, TOFEL 107)

## References

- |                |                        |  |
|----------------|------------------------|--|
| Brian Scholl   | Yale University        | <a href="mailto:brian.scholl@yale.edu">brian.scholl@yale.edu</a>                 |
| Xiaowei Ding   | Sun Yat-sen University | <a href="mailto:dingxw3@mail.sysu.edu.cn">dingxw3@mail.sysu.edu.cn</a>           |
| Klaus Oberauer | University of Zurich   | <a href="mailto:k.oberauer@psychologie.uzh.ch">k.oberauer@psychologie.uzh.ch</a> |