

Zheng Ma

Postdoctoral Fellow

The Smith-Kettlewell Eye Research Institute, San Francisco, CA, USA

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Education

Johns Hopkins University, Baltimore, Maryland, USA

Ph.D. in Psychology (May, 2016) GPA: 4.0

Johns Hopkins University, Baltimore, Maryland, USA

M.A. in Psychology (2013)

Peking University, Beijing, China

B.S. in Psychology (2011) GPA: 3.55

Awards

Stanley Hall Scholar's Award, Department of Psychological and Brain Sciences, JHU, 2016

Mary D. Ainsworth Award, Department of Psychological and Brain Sciences, JHU, 2015

Walter L. Clark Teaching Award, Department of Psychological and Brain Sciences, JHU, 2014

Student Travel Award, Vision Sciences Society, 2013.

OPAM Travel Award, OPAM, 2013

Publications

Ma, Z., Watamaniuk, S. N. J., Heinen, S. J. (2017). Illusory motion reveals velocity matching, not foveation, drives smooth pursuit of large objects. *Journal of Vision*, 17(12), 20.

Ma, Z., McCloskey, M., & Flombaum, J. I. (2015). A deficit perceiving slow motion after brain damage and a parallel deficit induced by crowding. *Journal of Experimental Psychology: Human Perception and Performance*, 41, 1365-1375.

Zhong*, S., **Ma***, Z., Wilson, C., Liu, Y., & Flombaum, J. I. (2014). Why do people appear not to extrapolate trajectories during multiple object tracking? A computational investigation. *Journal of vision*, 14(12), 12. (*equal contribution).

Ma, Z., Niño, J., Hock, H., McCloskey, M., & Flombaum, J. I. (2013). A taxonomy of directional motion judgment based on informational content: Evidence from a deficit following bilateral parietal brain damage. *Visual Cognition*, 21(6), 697-701.

Ma, Z., & Flombaum, J. I. (2013). Off to a bad start: Uncertainty about the presence of targets at the onset of multiple object tracking. *Journal of Experimental Psychology: Human Perception and Performance*, 39, 1421-1432.

Tan, J., **Ma, Z.**, Gao, X., Wu, Y., & Fang, F. (2011). Gender difference of uncounscious attentional bias in high trait anxiety individuals. *PLoS ONE*, 6(5), e20305.

Conference Presentations

Talks

- Zhong, S., **Ma, Z.**, Wilson, C., & Flombaum, J. I. (2014). Kalman filter models of multiple-object tracking within an attentional window. *VSS Annual Meeting*, St. Pete Beach, FL, USA.
- Ma, Z.**, Nino, J., Hock, H., McCloskey, M., & Flombaum, J. I. (2013) A Taxonomy of Directional Motion Judgment Based on Informational Content: Evidence from a Deficit Following Bilateral Parietal Brain Damage. *OPAM*, Toronto, Canada. *Student Travel Award.
- Flombaum, J. I., Zhong, S., **Ma, Z.**, Wilson, C., & Liu, Y. (2013). What is the marginal advantage of extrapolation during multiple object tracking? Insights from a Kalman filter model. *VSS Annual Meeting*, Naples, FL, USA.

Posters

- Ma, Z.**, Heinen, S. J. (2017). Altered smooth pursuit of global motion caused by illusory position shifts in local elements. *VSS Annual Meeting*, St. Pete Beach, FL, USA.
- Ma, Z.**, Zhong, S., Wilson, C., & Flombaum, J. I. (2015). Resource not necessary: Multiple object tracking ability explained without imposed capacity. *OPAM*, Chicago, IL.
- Ma, Z.**, Zhong, S., Wilson, C., & Flombaum, J. I. (2015). Multiple object tracking explained with neither fixed nor flexible resources. *VSS Annual Meeting*, St. Pete Beach, FL, USA.
- Ma, Z.**, McCloskey, M., & Flombaum, J. I. (2014). Differentiating between object-dependent and transient-dependent motion percepts through crowding. *VSS Annual Meeting*, St. Pete Beach, FL, USA. *Student Travel Award.
- Ma, Z.**, Nino, J., Flombaum, J. I., & McCloskey, M. (2013). Shared mechanisms for representing the sides of the visual world and the sides of objects: Evidence from a localization deficit following parietal brain damage. *VSS Annual Meeting*, Naples, FL, USA.
- Schneider, R., **Ma, Z.**, Flombaum, J. I. (2013). Lost, but not forgotten: Extra guesses reveal knowledge of lost targets in multiple object tracking. *VSS Annual Meeting*, Naples, FL, USA.
- Ma, Z.**, & Flombaum, J. I. (2012). Do you know how many objects you were tracking? Evidence for enumeration errors in MOT. *VSS Annual Meeting*, Naples, FL, USA.

Teaching Experience

Introduction to MATLAB and Psychtoolbox	Johns Hopkins University
Instructor	Intersession 2014, 2015
Quantitative Methods for the Brain Sciences	Johns Hopkins University
Teaching Assistant	02/2014 – 05/2014
Advanced Statistics	Johns Hopkins University
Teaching Assistant and co-Instructor	09/2013 – 12/2013
Introduction to Cognitive Psychology	Johns Hopkins University
Teaching Assistant	02/2013 – 05/2013