

JEFFREY D. WAMMES

Curriculum Vitae (as of Jun 2020)

Contact Information

Department of Psychology, Queen's University
56 Arch St, Kingston, ON K7L 3L3

Email: jeffrey.wammes@queensu.ca
Phone: 613-533-6414

Academic & Training History

Assistant Professor, Queen's University Department of Psychology	2020 - present
Postdoctoral Fellow, Yale University Advisor: Dr. Nicholas Turk-Browne	2017 - 2020
Doctor of Philosophy, University of Waterloo Advisor: Dr. Myra Fernandes	2014 - 2017
Visiting Researcher, Western University Advisor: Dr. Stefan Köhler	2015 - 2017
Master of Arts, University of Waterloo Advisor: Dr. Myra Fernandes	2012 - 2014
Honours Bachelor of Arts, Western University Advisor: Dr. Ken McRae	2007 - 2011

Research Interests

Learning | Memory | Education | Attention | Mind Wandering & Inattention | Statistical Learning
| Knowledge Organization | Machine Learning | Functional Neuroimaging | Computational
Analysis | Technology Use & Media Multitasking | Ecological Design | Conceptual Learning

Published Works

Summary

25 peer-reviewed publications

01 articles submitted to refereed journals

02 invited chapters

02 technical reports and non-academic writing

Peer-Reviewed Publications

1. Gliser, I., Mills, C., Bosch, N., Smith, S., Smilek, D. & **Wammes, J. D.** (2020). The sound of inattention: Predicting mind wandering with automatically derived features of instructor speech. *Proceedings of the 21th International Conference on Artificial Intelligence in Education (AIED 2020)*.
2. Fan, J. E., **Wammes, J. D.**, Gunn, J. B., Yamins, D. L. K., Norman, K. A. & Turk-Browne, N. B. (2020). Relating visual production and recognition of objects in human visual cortex. *Journal of Neuroscience*, *40*, 1710-1721.
3. **Wammes, J. D.**, Jonker, T. R., & Fernandes, M. A (2019). Drawing improves memory: The importance of multimodal encoding context. *Cognition*, *191*, 103955.
4. Meade, M. E., **Wammes, J. D.**, & Fernandes, M. A. (2019). Comparing the influence of doodling, drawing, and writing at encoding on memory. *Canadian Journal of Experimental Psychology*, *73*, 28-36.
5. **Wammes, J. D.**, Ralph, B. C. W., Mills, C., Bosch, N., Duncan, T. L., & Smilek, D. (2019). Disengagement during lectures: Media multitasking and mind wandering in university classrooms. *Computers & Education*, *132*, 76-89.
6. **Wammes, J. D.**, Roberts, B. R., & Fernandes, M. A. (2018). Task preparation as a mnemonic: The benefits of drawing (and not drawing). *Psychonomic Bulletin and Review*, *25*, 2365-2372.
7. Jonker, T. R., **Wammes, J. D.**, & MacLeod, C. M. (2019). Drawing enhances item information but undermines sequence information in memory. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *45*, 689-699.
8. Meade, M. E., **Wammes, J. D.**, & Fernandes, M. A. (2018). Drawing as an encoding tool: Memorial benefits in younger and older adults. *Experimental Aging Research*, *44*, 369-396.
9. Fernandes, M. A., **Wammes, J. D.** & Meade, M. E. (2018). The surprisingly powerful influence of drawing on memory. *Current Directions in Psychological Science*, *27*, 302-308.
10. **Wammes, J. D.**, Meade, M. E., & Fernandes, M. A (2018). Creating a recollection-based memory through drawing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *44*, 734-751.
11. Bosch, N., Mills, C., **Wammes, J.D.**, & Smilek, D. (2018). Quantifying classroom instructor dynamics with computer vision. In C. Rosé, R. Martínez-Maldonado, H. U. Hoppe, R. Luckin, M. Mavrikis, K. Porayska-Pomsta, ... B. du Boulay (Eds.), *Proceedings of the 19th International Conference on Artificial Intelligence in Education (AIED 2018)*. (pp. 30-42). Cham, CH: Springer.

12. Seli, P., Carriere, J., **Wammes, J. D.**, Risko, E. F., Schacter, D. L., & Smilek, D. (2018). On the Clock: Evidence for the Rapid and Strategic Modulation of Mind Wandering. *Psychological Science, 29*, 1247-1256.
13. **Wammes, J. D.**, Meade, M. E., & Fernandes, M. A. (2017). Learning terms and definitions: Drawing and the role of elaborative encoding. *Acta Psychologica, 179*, 104-113.
14. **Wammes, J. D.**, & Fernandes, M. A. (2017). The residual protective effects of enactment. *Cognition, 184*, 87-101.
15. **Wammes, J. D.**, & Smilek, D. (2017). Examining the influence of lecture format on degree of mind wandering. *Journal of Applied Research in Memory and Cognition, 6*, 174-184.
16. Ralph, B. C. W., **Wammes, J. D.**, Barr, N., & Smilek, D. (2017). Wandering minds and wavering goals: Examining the relation between mind wandering and grit in everyday life, the laboratory, and the classroom. *Canadian Journal of Experimental Psychology, 71*, 120-132.
17. **Wammes, J. D.**, Good, T. J., & Fernandes, M. A. (2017). Autobiographical and episodic memory deficits in mild traumatic brain injury. *Brain and Cognition, 111*, 112-126.
18. Fernandes, M. A., **Wammes, J. D.**, Priselac, S. & Moscovitch, M. (2016). Interfering with free recall of words: Detrimental effects of phonological competition. *Neuropsychologia, 90*, 59-71.
19. **Wammes, J. D.**, Boucher, P. O., Seli, P., Cheyne, J. A., & Smilek, D. (2016). Mind wandering during lectures I: Changes in rates across an entire semester. *Scholarship of Teaching and Learning in Psychology, 2*, 13-32.
20. **Wammes, J. D.**, Seli, P., Cheyne, J. A., Boucher, P. O., & Smilek, D. (2016). Mind wandering during lectures II: Relation to academic performance. *Scholarship of Teaching and Learning in Psychology, 2*, 33-48.
21. **Wammes, J. D.**, Meade, M. E., & Fernandes, M. A. (2016). The drawing effect: Evidence for reliable and robust memory benefits in free recall. *The Quarterly Journal of Experimental Psychology, 69*, 1752-1776.
22. Seli, P., **Wammes, J. D.**, Risko, E. F., & Smilek, D. (2016). On the relation between motivation and retention in educational contexts: The role of intentional and unintentional mind wandering. *Psychonomic Bulletin & Review, 23*, 1280-1287.
23. **Wammes, J. D.**, & Fernandes, M. A. (2016). Interfering with memory for faces: The cost of doing two things at once. *Memory, 24*, 184-203.
24. Fernandes, M. A., **Wammes, J. D.**, Hsiao, J. H. (2013). Representation of linguistic information determines its susceptibility to memory interference. *Brain Sciences, 3*, 1244-1260.

25. Khalkhali, S., **Wammes, J.**, & McRae, K. (2012). Integrating words that refer to typical sequences of events. *Canadian Journal of Experimental Psychology*, *66*, 106-114.

Articles Submitted to Refereed Journals

1. Roberts, B. R. & **Wammes, J. D.** (under review). Drawing and memory: Using visual production to alleviate concreteness effects. *Journal of Experimental Psychology: Learning, Memory and Cognition*.

Invited Chapters

1. **Wammes, J. D.**, Seli, P., & Smilek, D. (2018). Mind wandering in educational settings. In K. Christoff & K. Fox (Eds.) *Oxford Handbook on Spontaneous Thought*.
2. Fernandes, M. A., & **Wammes, J. D.** (2015). Memory and memory theory. In S. Krauss Whitbourne & L. Yang (Eds.) *Encyclopedia of Adulthood and Aging*.

Technical Reports & Non-Academic Writing

3. Fernandes, M. A., **Wammes, J. D.**, Sklair, N., & Francis, T. J. (2006, revised 2007, 2008, 2010, 2015, **2017**). *Building Computer-based Methods into Research in Memory: a Laboratory Manual*. Waterloo, ON: University of Waterloo CoursewARES (Lab manual for Psychology 398 – Research Methods in Memory)
4. **Wammes, J. D.** (2016, July 25). Are your students paying attention? [Blog post]. Retrieved from <http://nobaproject.com/blog/2016-07-25-are-your-students-paying-attention>

Scholarly Presentations

Summary

31 conference presentations (21 first author)

13 invited talks and lectures (all first author)

Conference Presentations

(first author is presenting author)

1. **Wammes, J. D.**, K. Peng, Norman, K. A., & Turk-Browne, N. B. (2020, Jun). *Synthesizing images from deep neural networks to map the hierarchy of feature complexity in human visual cortex*. Poster presented at Virtual Vision Sciences Society.

2. **Wammes, J. D.**, K. Peng, D. L. K. Yamins, Norman, K. A., & Turk-Browne, N. B. (2019, Oct). *Model-based multivariate mapping of the visual hierarchy with image synthesis*. Poster presented at Society for Neuroscience, Chicago, IL, YSA.
3. **Wammes, J. D.**, Norman, K. A., & Turk-Browne, N. B. (2019, Jun). *Competition between overlapping stimuli predict learning-induced representational change*. Talk presented at Canadian Society for Brain, Behaviour and Cognitive Science, Waterloo, ON, CA.
4. Roberts, B. R. T. & **Wammes, J. D.** (2019, Jun). *Drawing and memory: Using visual production to alleviate concreteness effects*. Poster presented at Canadian Society for Brain, Behaviour and Cognitive Science, Waterloo, ON, CA.
5. **Wammes, J. D.**, Norman, K. A., & Turk-Browne, N. B. (2019, May). *Synthesizing images with deep neural networks to manipulate representational similarity and induce representational change*. Poster presented at Vision Sciences Society, St. Pete Beach, FL, USA.
6. **Wammes, J. D.**, Norman, K. A., & Turk-Browne, N. B. (2018, Nov). *Impact of representational overlap on learning-induced representational change*. Poster presented at Society for Neuroscience, San Diego, CA, USA.
7. **Wammes, J. D.**, Fan, J. E., Lee, R., Gunn, G., Yamins, D., Norman, K. A., & Turk-Browne, N. B. (2018, May). *Changing object representations during visual production training*. Talk presented at Manhattan Area Memory Meeting, New York, NY, USA.
8. **Wammes, J. D.**, Fan, J. E., Lee, R., Gunn, G., Yamins, D., Norman, K. A., & Turk-Browne, N. B. (2018, May). *Changing object representations during visual production training*. Poster presented at Vision Sciences Society, St. Pete Beach, FL, USA.
9. Fan, J. E., Gunn, G., Lee, R., **Wammes, J. D.**, Yamins, D., Norman, K. A., & Turk-Browne, N. B. (2017, November). *Consequence of visual production training on object representations*. Poster presented at Society for Neuroscience, Washington, DC, USA.
10. **Wammes, J. D.**, Ralph, B. C. W., Duncan, T. L., & Smilek, D. (2017, July). *Attention lapses during lectures: Mind wandering and media multitasking in the university classroom*. Poster presented at the McMaster Symposium on Education & Cognition, Hamilton, ON, CA.
11. Smilek, D., **Wammes, J. D.**, & Seli, P. (2017, June). *Some surprising findings about mind wandering and inattention during undergraduate lectures*. Talk presented at the mind Wandering Symposium, Vancouver, BC, CA.
12. Meade, M. E., **Wammes, J. D.**, & Fernandes, M. A. (2016, November). *What Does Doodling Do? Evidence for Free Recall Impairments*. Talk presented at the *Psychonomic Society Annual Meeting*, Boston, MA, USA.
13. **Wammes, J. D.**, Meade, M. E. & Fernandes, M. A. (2016, June). *Creating a vivid recollection-based memory trace through drawing*. Talk presented at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) 26th Annual Meeting*, Ottawa, ON, CA.
14. **Wammes, J. D.** (2016, May). *Preventing long-term dual-task interference*. Talk presented at the *Toronto Area Memory Group (TAMeG) 2nd Annual Meeting*. Toronto, ON, CA.

15. **Wammes, J. D.** & Fernandes, M. A. (2016, April). *On making a more resilient memory trace*. Poster presented at the *Graduate Psychology Discovery Conference*, Waterloo, ON, CA.
16. **Wammes, J. D.**, & Fernandes, M. A. (2015, November). *Enactment protects studied words from long-term dual-task interference*. Poster presented at the *Psychonomic Society Annual Meeting*, Chicago, IL, USA.
17. Smilek, D., **Wammes, J. D.**, & Seli, P. (2015, October). Mind wandering and performance in live undergraduate lectures. Paper presented at *Engaging the Wandering Mind: Exploring the Cognitive, Neural and Applied Consequences of Boredom*, Waterloo, ON, CA.
18. Smilek, D., **Wammes, J. D.**, & Seli, P. (2015, Aug). The prevalence and consequences of mind wandering during live undergraduate lectures. Invited presentation at the *McMaster Symposium on Education & Cognition*, Hamilton, ON, CA.
19. Smilek, D., **Wammes, J. D.**, & Seli, P. (2015, June). Mind wandering and learning in live lectures across an entire semester. Invited symposium presentation at a meeting of the *Society for Applied Research in Memory and Cognition*, Victoria, BC, CA.
20. Seli, P., **Wammes, J. D.**, & Smilek, D. (2015, June). *Can people strategically mind-wander?* Poster presented at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) 25th Annual Meeting*, Ottawa, ON, CA.
***Honourable mention – D.O. Hebb Award for Graduate Student presentation**
21. **Wammes, J. D.**, Meade, M. E. & Fernandes, M. A. (2015, June). *The drawing effect: Evidence for reliable and robust memorial benefits*. Poster presented at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) 25th Annual Meeting*, Ottawa, ON, CA.
***Winner – D.O. Hebb Award for Graduate Student presentation**
22. **Wammes, J. D.**, Good, T. J. Fernandes, M. A. (2015, May). *The influence of ageing and mild traumatic brain injury on episodic and semantic memory*. Poster presented at the *Association for Psychological Science (APS), 27th Annual Meeting*, New York, NY, USA.
23. **Wammes, J. D.** (2015, May). *Complex and novel concepts are best learned by Drawing*. Data Blitz presented at the *Toronto Area Memory Group (TAMeG) 1st Annual Meeting*. Toronto, ON, CA.
24. **Wammes, J. D.**, Meade, M. E., Fernandes, M. A. (2014, November). *Drawing boosts memory for words: Specifying the source of the effect*. Poster presented at the *Psychonomic Society Annual Meeting*, Long Beach, CA, USA.
25. **Wammes, J. D.**, Boucher, P., Smilek, D. (2014, Aug). *An ecologically valid exploration of mind wandering and academic performance*. Poster presented at the *McMaster Symposium on Education & Cognition*, Hamilton, ON, CA.
26. **Wammes, J. D.**, Boucher, P., Smilek, D. (2014, July). *Mind wandering during lectures: An ecologically valid exploration*. Poster presented at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) 24th Annual Meeting*, Toronto, ON, CA.

27. **Wammes, J. D.**, Fernandes, M. A., Hsiao, J. H. (2014, July). *The residual protective effects of enactment*. Poster presented at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) 24th Annual Meeting*, Toronto, ON, CA.
28. **Wammes, J. D.**, Meade, M., Fernandes, M. A. (2014, April). *The drawing effect: Memory is better for drawn words than for written*. Poster presented at the *Graduate Psychology Discovery Conference*, Waterloo, ON, CA.
29. **Wammes, J. D.**, Fernandes, M. A. (2013, November). *Interference with face memory under divided attention at retrieval depends on visual processing demands of concurrent tasks*. Poster presented at the *Psychonomic Society Annual Meeting*, Toronto, ON, CA.
30. **Wammes, J. D.**, Fernandes, M. A., Hsiao, J. H. (2013, June). *Language experience shapes cognition: Comparing memory for Chinese and English words*. Poster presented at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) 23rd Annual Meeting*, Calgary, AB, CA
***Honourable mention – D.O. Hebb Award for Graduate Student presentation**
31. **Wammes, J. D.**, Fernandes, M. A., Hsiao, J. H. (2013, June). *Language experience shapes cognition: Comparing memory for Chinese and English words*. Poster presented at the *Canada-Israel Symposium on Brain Plasticity, Learning and Education*, London, ON, CA.
32. McRae, K., Khalkhali, S., & **Wammes, J.** (2011, November). *Integrating words that refer to temporally sequenced events*. Paper presented at the *Forty-first Meeting of the Society for Computers in Psychology*, Seattle, WA, USA.
33. McRae, K., Khalkhali, S., & **Wammes, J.** (2011, June). *Integrating event concepts*. Festschrift in Honour of Douglas Mewhort, *21st Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science*, Winnipeg, AB, CA.

Invited Talks & Lectures

(first author is presenting author)

1. **Wammes, J. D.** Talk given in McMaster University's Department of Psychology Neuroscience & Behaviour Colloquium. *Mind wandering in the wild: Measuring engagement during university lectures*. Hamilton, ON, CA, Mar 2020.
2. **Wammes, J. D.** *Multivariate pattern analysis*. Lecture given in Yale University's 'Neuroimaging for the Clinical Neuroscientist' course. Instructors: Sule Tinaz and Hal Blumenfeld. New Haven, CT, USA, Apr 2019.
3. **Wammes, J. D.** *On drawing to remember*. Lecture given in Yale University's 'Classical Tradition: From Roman to Renaissance Art' course. Instructor: Felicity Harley. New Haven, CT, USA, Feb 2019.
4. **Wammes, J. D.** *On drawing to remember*. Lecture given in Yale University's 'Classical Tradition: From Roman to Renaissance Art' course. Instructor: Felicity Harley. New Haven, CT, USA, Feb 2019.

5. **Wammes, J. D.** (2017, March) *Encoding a more robust memory*. Talk presented at University of California at Davis, Davis, CA, USA, Mar 2017.
6. **Wammes, J. D.** Memory and emotion. Lecture given in Western University's 'Memory' course. Instructor: Dr. Stefan Kohler. London, ON, CA, Mar 2017.
7. **Wammes, J. D.** *Mind wandering during lectures*. Lecture given in Fanshawe College's 'Psychobabble, Biobunk & Pop-Psych' course. Instructor: Michael Wammes. London, ON, CA, Feb 2017.
8. **Wammes, J. D.** *On the role of engagement in memory*. Talk presented at Princeton University, Princeton, NJ, USA, Dec 2016.
9. **Wammes, J. D.** *Statistics review session*. Lecture given in University of Waterloo's 'Basic Data Analysis' course. Instructor: Candice Graydon, Apr 2014.
10. **Wammes, J. D.** *Research in attention and memory*. Lecture given in University of Waterloo's 'Research in Memory' course. Instructor: Dr. Evan Risko, Apr 2014.
11. **Wammes, J. D.** *Building a memory experiment*. Lecture given in University of Waterloo's 'Research in Memory' course. Instructor: Nathaniel Barr, Mar 2014.
12. **Wammes, J. D.** *Interfering with memory retrieval*. Lecture given in Redeemer University College's 'Research Methods' course. Instructor: Bethany Delleman, Mar 2014.
13. **Wammes, J. D.** *Plasticity after brain damage*. Lecture given in University of Waterloo's 'Physiological Psychology' course. Instructor: Dr. Daniel Smilek, Feb 2014.
14. **Wammes, J. D.** *Memory*. Lecture given in University of Waterloo's Physiological Psychology course. Instructor: Candice Graydon, Oct 2013.

Research Funding

Natural Sciences and Engineering Research Council of Canada Discovery Grant	\$152 500 2020-2025
Natural Sciences and Engineering Research Council of Canada Research Tools and Instruments	\$148 729 2020-2021
Social Sciences and Humanities Research Council of Canada Banting Postdoctoral Fellowship	\$140 000 2019-2020
Learning Innovation and Teaching Enhancement (LITE), Full Grant	\$30 000 2018-2020
Natural Sciences and Engineering Research Council of Canada Postdoctoral Fellowship	\$90 000 2017 - 2019

Natural Sciences and Engineering Research Council of Canada Alexander Graham Bell Canada Graduate Scholarship – Doctoral	\$105 000 2014 - 2017
University of Waterloo President’s Graduate Scholarship	\$30 000 2014 - 2017

Awards & Honours

Society for Experimental Psychology and Cognitive Science (SEPCS) American Psychological Association, New Investigator Award	2019
University of Waterloo Outstanding Achievement in Graduate Studies Award	2017
Donald O. Hebb Graduate Student Award Winner for Best Poster [\$500]	2015
Donald O. Hebb Graduate Student Award Honourable Mention for Best Poster [\$100]	2013, 2015
Loblaw Scholarship Fund Craig R. Williams Scholarship [\$1 500]	2008
NorWest Soccer Club Janet and Bruce Johnson Bursary Award [\$1 000]	2007
Western University Scholarship of Distinction [\$1 000]	2006

Teaching & Instruction History

Course Instructor – Physiological Psychology University of Waterloo	2017
Course Development – Research in Memory University of Waterloo (Dr. Myra Fernandes)	2016 - 2017
Laboratory Instructor – Human Neuropsychology University of Waterloo (Dr. James Danckert)	2016
Course Instructor – Physiological Psychology University of Waterloo	2015

Head Teaching Assistant – Basic Data Analysis University of Waterloo (Candice Graydon)	2013 - 2014
Tutorial Instructor – Basic Data Analysis University of Waterloo (Dr. Derek Koehler, Candice Graydon)	2012 - 2014
Completed University of Waterloo’s ‘Fundamentals of University Teaching’ certification	2013
Teaching Assistant – Physiological Psychology, Basic Data Analysis, Human Neuropsychology, Introduction to Psychology, Basic Research Methods University of Waterloo (various)	2012 - 2017

Professional Service

Creator, Organizer and Facilitator – Waterloo’s Graduate Psychology Discovery Conference	2014 - 2016
Representative – Waterloo’s Graduate Association of Students in Psychology (GASP)	2013 - 2014
Departmental Representative – Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS)	2015 - 2017
Guest Speaker and Facilitator – Waterloo Unlimited, an enrichment program for high school students	2013 - 2014
Graduate Facilitator – University of Waterloo’s Campus Tour, for prospective undergraduate students	2013

Ad Hoc Reviewer

Neuroimage | Cognition | Behavior Research Methods | Emotion | Journal of Experimental Psychology: Learning, Memory, & Cognition | Quarterly Journal of Experimental Psychology | Applied Cognitive Psychology | Contemporary Educational Psychology | Memory & Cognition | Scholarship of Teaching and Learning in Psychology | Learning and Individual Differences | Journal of Pediatric Epilepsy | Canadian Journal of Experimental Psychology

Mentorship & Training

Summary

06 Undergraduate honours theses supervised

23 Research assistants and research apprentices trained

Honours Theses

Anna Fehrenbach Western University / Osnabrück University	2016 - 2017
Brady Roberts <i>* winner of an undergraduate thesis award</i> University of Waterloo	2016 - 2017
Shannon Wong Western University	2016 - 2017
Graham Schwoob University of Waterloo	2015 - 2016
Grace Sim University of Waterloo	2015 - 2016
Tyler Good <i>* winner of an undergraduate thesis award</i> University of Waterloo	2013 - 2014

Research Assistants & Apprentices

Obi Nnorom Jr.	2018 - 2019
Lindsay Rait	2018 - 2019
Brady Roberts	2014 - 2017
Erin Kim	2016 - 2017
David Ambrose-Siddiqi	2016 - 2017
Tracy Duncan	2017
Sahila Sandhu	2017
Grace Sim	2013 - 2016
Vanessa Morris	2014 - 2016
Robin Chang	2016
Anna Fehrenbach	2016

Varsha Gobin	2016
Tina Lojpur	2016
Rachel Cao	2013 - 2015
Hajer Al-Homedawy	2015
Priya Mehta	2015
Madeleine Stauffer	2015
Robin Leung	2012 - 2014
Stefanie Dubé	2013 - 2014
Meryem Arslan	2014
Melissa Chung	2014
Liat Kofler	2014
Terri Middleton	2014

Professional Affiliations (past and present)

Association for Psychological Science (APS) | Canadian Society for Brain, Behaviour, & Cognitive Sciences (CSBBCS) | Psychonomic Society | Vision Sciences Society | Society for Neuroscience | American Psychological Association

References

Available upon request