

2/7/2019

## John Jonides

Department of Psychology, University of Michigan  
530 Church Street, Ann Arbor, Michigan 48109-1043  
Telephone: 734-764-0192 FAX: 734-994-7157  
e-mail: [jjonides@umich.edu](mailto:jjonides@umich.edu)

### Present Positions:

Edward E. Smith Professor of Psychology and Neuroscience  
Co-Director, functional MRI Center  
Senior Editor, *Psychological Science*, 2012-present

### Personal Information:

Home Address: 3555 Stanton Court, Ann Arbor, Michigan 48105  
Telephone: 734-995-2932

### Education:

University of Pennsylvania  
M.A., 1972 (Psychology, with distinction)  
Ph.D., 1975 (Psychology)

The Johns Hopkins University  
B.A., 1969 (Psychology)  
M.Ed., 1971 (Education)

### Awards:

Excellence in Research Award, University of Michigan, 1996  
Elected Fellow, Society of Experimental Psychologists, 1996  
Elected Fellow, AAAS, 1995  
Elected Fellow, APS, 2000  
Excellence in Education Award, University of Michigan, 1992  
Fellowship from American Council on Education, 1982 (declined).  
University of Michigan Distinguished Service Award, 1978.  
Spencer Foundation research award: The development of automaticity,  
1980-1981.  
Faculty Development Fund Award for the development of instructional materials  
for introductory psychology, 1980.  
Distinguished Faculty Achievement Award, 2003  
APA Master Lecturer, 2003  
Collegiate Professorship, 2004  
Elected Fellow, Association for Psychological Science, 2005  
Pfizer Foundation Prize for Clinical Neuroscience for Jaeggi, Buschkuhl, Jonides,  
and Perrig, 2008  
Association for Psychological Science William James Fellow Award for lifetime  
achievement, 2011

**Professional Organizations:**

American Association for the Advancement of Science (Fellow)  
Association for Psychological Science (Fellow)  
Cognitive Neuroscience Society  
Psychonomic Society  
Society for Neuroscience  
Society of Experimental Psychologists

**Previous Positions:**

Associate Editor, *Psychological Science*, 2009-2011  
Editor-in-Chief, *Cognitive, Affective, and Behavioral Science*, 1999-2006  
Visiting Professor, University of California at San Diego, 2003  
Associate Chair for Facilities, Department of Psychology, University of Michigan, 1995-1996  
Special Assistant to the Dean, University of Michigan, 1992-1993  
Associate Dean for Research and Facilities, University of Michigan, 1990-1992  
Associate Dean for Research, University of Michigan, 1989-1990  
Director, Human Performance Center, University of Michigan, 1980-1989  
Visiting Professor, University of Virginia, 1988, 1989  
Acting Chair, Department of Psychology, University of Michigan, 1985  
Visiting Fellow, The Johns Hopkins University, 1982  
Professor, University of Michigan, 1986-2004  
Associate Professor, University of Michigan, 1980-1986  
Assistant Professor, University of Michigan, 1975-1980

**Research Support:**

National Science Foundation: Enhancing working memory training with tDCS  
2017-2020 (\$574,000)  
National Institute on Aging: Cognitive Training in older adults  
2015-2019 (\$564,000)  
TKF Foundation: Restorative Effects of Natural Environments  
2012-2016 (\$108,000)  
Office of Naval Research: Training Intelligence,  
2009-2014 (\$1,050,000)  
National Science Foundation: Neural Mechanisms of Short-term Memory,  
2008-2012 (\$550,000)  
National Institute of Mental Health:  
Interference-resolution Mechanisms and their Relevance to Depression,  
2007-2013 (\$2,695,970)  
National Institute of Mental Health:  
Training program in functional magnetic resonance imaging, 2005-2010,  
(\$670,315)  
National Institute of Mental Health:  
Training program in functional magnetic resonance imaging, 2010-2015,

(\$700,000)

National Science Foundation:

Mechanisms of Interference Resolution, 2006-2008 (\$545,000)

Dana Foundation:

Training in the Arts and Cognition, 2004-2007 (\$200,000)

National Institute on Aging:

Neurocognitive aging of working memory: storage, and executive processes, 2001-2006 (\$1,576,559)

National Institute of Mental Health:

Executive Processing and the Frontal Lobes, 2000-2005 (\$2,333,222)

National Science Foundation:

Acquisition of Magnetic Resonance Imaging Scanner for Functional Studies, 1999-2001 (\$1,975,000)

Office of Naval Research and Air Force Office of Scientific Research:

A National Brain Imaging Network, 1998-2000

National Institute on Aging:

Age and working memory: Neuroimaging and behavioral studies, 1995-2000

Howard Hughes Medical Institute:

Diversifying the biomedical science learning environment, 1992-1997

Fund for the Improvement of Postsecondary Education

Equal educational opportunity through undergraduate research, 1992-1995

Fund for the Improvement of Postsecondary Education

Equal educational opportunity through undergraduate research, 1992-1995

Office of Minority Equity, State of Michigan Department of Education:

Enriching the undergraduate experience through research partnerships:

Focus on minority students at risk of attrition, 1991-1996

Horace H. Rackham Graduate School, University of Michigan:

Faculty Recognition Award, 1993

Office of the Vice-President for Research, University of Michigan:

Training in cognitive neuroscience, 1992-1993

McDonnell Foundation:

Training in cognitive neuroscience, 1992-1993

Office of Naval Research:

Visual-spatial working memory and its role in problem-solving, 1996-1999

Office of Naval Research:

Working memory as revealed by positron emission tomography, 1993-1996

Office of Naval Research:  
Working memory as revealed by positron emission tomography, 1993-1996

Office of Naval Research:

Working memory processes as revealed by positron emission tomography, 1991-1992

McDonnell-Pew Program in Cognitive Neuroscience

Imaginal strategies in inductive reasoning: Evidence from PET, 1990

- National Institute of Mental Health:  
Estimating frequency of occurrence, 1989-1991.
- Air Force Office of Scientific Research:  
Perception of complex displays, 1986-1988.
- Air Force Office of Scientific Research:  
A computerized eye movement laboratory, 1983.
- Air Force Office of Scientific Research:  
Eye movements and the perception of displays, 1982-1986.
- National Institute of Mental Health:  
Integrating information across successive fixations, 1981-1982.
- National Science Foundation:  
Automatic and effortful components of maintenance rehearsal, 1981-1982.
- National Science Foundation:  
Organization in memory, 1979-1983.
- Center for Research in Learning and Teaching grant for the  
development of instructional materials in perception, 1980.
- National Science Foundation:  
Selective attention in the visual field, 1977-1981.
- Rackham Faculty Research Grant:  
Perceptual processing in visual selective attention, 1975.  
Mental representations of physical space, 1977.
- Spencer Foundation Research Award:  
Levels of perceptual organization in letter recognition, 1974.
- Sigma Xi grant-in-aid-of-research  
Processing mechanisms in categorical perception I, 1972.  
Processing mechanisms in categorical perception II, 1973.  
Processing mechanisms in categorical perception III, 1974.
- National Institutes of Health training grant, 1971-1975.
- TKF Foundation grant, 2013-2017.
- National Institute of Aging:  
Training cognitive processes, 2015-2019
- Institute of Educational Sciences:  
Effects of cognitive training in children with ADHD, 2015-2019
- National Science Foundation:  
Enhancing cognitive training with tDCS, 2017-2020

### **Publications:**

- Jaeggi, S.M., Buschkuhl, M., Parlett-Pelleriti, C.M., Moon, S.M., Evans, M.,  
Kritzmacher, A., Reuter-Lorenz, P.A., Shah, P., and Jonides, J. (Submitted).  
Investigating the effects of spacing on working memory training outcome – a  
randomized controlled multi-site trial in older adults.
- Tomlinson, R.C., Burt, S.A., Waller, R., Jonides, J., Miller, A., Gearhardt, A., Peltier, S.,  
Lumeng, JI, and Hyde, L.W. (Submitted). Socioeconomic context predicts brain  
and behavioral response inhibition.
- Kaiser, J., Sacchi, E., Wong, L.Y.X., Casal-Roscum, L., Alvarenga, J.E., Hugdahl, K.,  
Bruder, G.E., and Jonides, J. (Submitted). Behavioral measures of attention and

- cognitive control during a new auditory working memory paradigm.
- Katz, B., Jones, M.R., Glazier, J., Buschkuehl, M., Jonides, J., Jaeggi, S.M., and Shah, P. (Submitted). The role of inhibitory processes in N-back working memory training.
- Vickers, B.D., Drake, B., Orvell, A., Verduyn, P., Ayduk, O., Moser, J., Jonides, J., and Kross, E. (Submitted). The benefits of distanced self-talk increase linearly with emotional intensity.
- Stenfors, C.U.D., Van Hedger, S.C., Schertz, K.E., Meyer, F., Kardan, O., Smith, K., Norman, G., Bourrier, S.C., Enns, J.T., Jonides, J., and Berman, M.G., (2018). Cognitive restoration from nature across multiple exposure types – A meta-analysis delineating the effects of test order and affect. <https://doi.org/10.31234/osf.io/w6n2f>
- Abagis, T.R., Weissman, D.H., and Jonides, J. (Submitted). Perceptual distraction is especially disruptive to visual search in adults with ADHD.
- Jung, M., Jonides, J., Berman, M.G., Northouse, L., Koelling, T.M., Pressler, S.J., (2018). Construct validity of the multi-source interference task to examine attention in heart failure. *Nursing Research*, 67(6), 465-472. PMID: 30153213 DOI: 10.1097/NNR.0000000000000314
- Vickers, B.D., Drake, B., Ayduk, O., Moser, J., Jonides, J., and Kross, E. (Submitted). Unpacking the emotion regulatory benefits of 3<sup>rd</sup> person self-talk: Emotion switch costs, boundary conditions and generalizability.
- Iordan, A.D., Cooke, K.A., Moored, K.D., Katz, B., Buschkuehl, M., Jaeggi, S.M., Jonides, J., Peltier, S.J., Polk, T.A., and Reuter-Lorenz, P.A. (2017). Aging and network properties: Stability over time and links with learning during working memory training. *Frontiers in Aging Neuroscience*, 9, 419.
- Verduyn, P., Ybarra, O., Resibois, M., Jonides, J., and Kross, E. (2017). Les medias sociaux et le Bonheur: Le cas de Facebook. *Review Quebecoise de psychologie*, 38, 167-182.
- Tsai, N., Buschkuehl, M., Kamarsu, S., Shah, P., Jonides, J., and Jaeggi S. (2017). (Un)great expectations: The role of placebo effects in working memory training. *Journal of Applied Research in Memory and Cognition*.
- Buschkuehl, M., Jaeggi, S.M., Mueller, S.T., Shah, P., and Jonides, J. (2017). Training change detection leads to substantial task-specific improvement. *Journal of Cognitive Enhancement*, 1, 419.
- Katz, B., Au, J., Buschkuehl, M., Abagis, T., Zabel, C., Jaeggi, S.M., and Jonides, J. (2017). Individual differences and long-term consequences of tDCS-augmented cognitive training. *Journal of Cognitive Neuroscience*, 29 (9), 1498-1508.
- Verduyn, P., Ybarra, O., Jonides, J., & Kross, E. (2017). Do online social networks sites make us happy? A critical review. *Social Issues and Policy Review*, 11, 274-302.
- Jung, M., Jonides, J., Northouse, L., Berman, M.G., Koelling, T.M., and Pressler, S.J. (2017). Randomized crossover study of the natural restorative environment intervention to improve attention and mood in heart failure. *Journal of Cardiovascular Nursing*, 32(5), 464-479. PMID: 27755225 DOI: 10.1097/JCN.0000000000000368
- Au, J., Katz, B., Buschkuehl, M., Jaeggi, S.M., Bunarjo, K., Senger, T., Zabel, C., and Jonides, J. (2016). Enhancing working memory training with transcranial direct

- current stimulation. Journal of Cognitive Neuroscience, 28 (9), 1419-1432.
- Kross, E., Verduyn, P., Boyer, M., Drake, B., Gainsburg, I., Vickers, B., Ybarra, O., and Jonides, J. (2018). Does counting emotion words on online social networks provide a window into people's subjective experience of emotion? A case study suon Facebook. *Emotion*.
- Eich, T.S., Goncalves, B.M.M., Razlighi, Q, Nee, D.E., Jonides, J., and Stern, Y. (2016). Inhibitory selection mechanisms in clinically healthy older and younger adults. The Journal of Gerontology:Series B, gbw029.
- Jonides, J. (2016). Gaining Control. In R. Sternberg, S. Fiske, and D. Foss. (Eds.), *Scientists Making a Difference: The Greatest Living Behavioral and Brain Scientists Talk About Their Most Important Contributions* (pp 81-92). Cambridge, UK: Cambridge University Press.
- Kross, E., Vickers, B.D., Orvell, A., Gainsburg, I., Moran, T., Boyer, M., Jonides, J., Moser, J., and Ayduk, O. (2017). Third person self-talk reduces Ebola anxiety and risk perception. Applied Psychology: Health and Well-being, 9, 387-409.
- Cyr, M., Nee, D.E., Malapani, C., Senger, T., Nelson, E., and Jonides, J. (2017). Effect of proactive interference on non-verbal working memory. Cognitive Processing, 18(1), 1-12.
- Kupitz, C., Buschkuehl, M., Jaeggi, S., Jonides, J., Shah, P., and Vandekerckhove, J. (2015). A diffusion model account of the transfer-of-training effect. In D.C. Noelle, R. Dale, A.S. Warlaumont, J. Yoshimi, T. Matlock C.D. Jennings, & P.P. Maglio (Eds.), *Proceedings of the 37<sup>th</sup> Annual Congerence of the Cognitive Science Society* (pp. 1219-1224). Austin, TX: Cognitive Science Society.
- Shen, K., Misic, B., Bezgin, G., Buschkuehl, M., Deldin, P.J., Hutchison, R.M., jaeggi, S.M., Kross, E., Peltier, S., Everling, S., Jonides, J., McIntosh, A.R., and Berman M.G. (2015). Stable long-range interhemispheric coordination is supported by direct anatomical projections. Proceedings of the National Academy of Sciences, 112 (2), 6473-6478.
- Park, J., Lee, D.S., Shablack, H., Verduyn, P., Deldin, P., Ybarra, O., Jonides, J., and Kross, E. (2016). When perceptions defy reality: The relationships between depression and actual and perceived Facebook social support. *Journal of Affective Disorders*, 200, 37-44
- Moser, J.S., Dougherty, A., Moran, T.P., Guevarra, D., Shablack, H., Ayduk, O., Jonides, J., Berman, M., and Kross, E. (2017). Third person self-talk facilitates emotion regulation without engaging cognitive control: Converging evidence from ERP and fMRI. Scientific Reports: Nature, 7(4519).
- Verduyn, P., Lee, D.S., Park, J., Shablack, H., Orvell, A., Bayer, J., Ybarra, O., Jonides, J., and Kross, E. (2015). Passive Facebook usage undermines affective well-being: Experimental and longitudinal evidence. Journal of Experimental Psychology: General, 144(2), 480-488.
- Thompson, R.J., Kuppens, P., Mata, J., Jaeggi, S.M., Buschkuehl, M., Jonides, J., and Gotlib, I.H. (2015). Emotional clarity as a function of neuroticism and major depressive disorder. Emotion, 15 (5), 615-624.
- Mišić, B., Fatima, Z., Askren., M.K., Buschkuehl, M., Churchill, N., Cimprich, B., ... & Berman, M.G. (2014). The functional connectivity landscape of the human brain. *PLoS ONE*, 9(10), e111007. DOI: 10.1371/journal.pone.0111007.

- Berman, M.G., Hout, M.C., Kardan, O., Hunter, M., Yourganov, G., Hanayik, T., Karimi, H., Stone, B., Dennis, S., and Jonides, J. (2014). The perception of naturalness converges with low-level visual features of environmental scenes. *PLoS ONE*, 9(12): e114572. DOI: 10.1371/journal.pone.0114572
- Buschkuhl, M., Jaeggi, S. M., Mueller, S.T., Shah, P., and Jonides, J. (2017). Training change detection leads to substantial task-specific improvement. *Journal of Cognitive Enhancement*, 1(4), 419-433.
- Kardan, O., Demiralp, E., Hout, M., Hunter M., Karimi, H., Hanayik, T., Yourganov, G., Jonides, J., and Berman, M. (2015). Is the preference of natural versus man-made scenes driven by bottom-up processing of the visual features of nature? *Frontiers of Psychology*, 6 (471).
- Katz, B., Jaeggi, S.M., Buschkuhl, M., Shah, P., and Jonides, J. (2017). The effect of monetary compensation on cognitive training outcomes. *Learning & Motivation*, 63, 77-90.
- Cheng, P., Preston, S., Jonides, J., Hoeflich, A., Thummala, K., , Hsing, C., and Deldin, P. (2015). Evidence Against Mood-Congruent Attentional Bias in Major Depressive Disorder. *Journal of Psychiatric Research*.
- Nee, D. E., & Jonides, J. (2014). Frontal–Medial Temporal Interactions Mediate Transitions among Representational States in Short-Term Memory. *The Journal of Neuroscience*, 34(23), 7964-7975. Doi: 10.1523/JNEUROSCI.0130-14.2014
- Pe, M. L., Kircanski, K., Thompson, R. J., Bringmann, L. F., Tuerlinckx, F., Mestdagh, M., ... & Gotlib, I. H. (2014). Emotion-Network Density in Major Depressive Disorder. *Clinical Psychological Science*, 3(2), 292-300. 2167702614540645. doi:10.1177/2167702614540645
- Berman, M. G., Misic, B., Buschkuhl, M., Kross, E., Deldin, P. J., Peltier, S., ... & Jonides, J. (2014). Does resting-state connectivity reflect depressive rumination? A tale of two analyses. *Neuroimage*, 103, 267-279. Doi:10.1016/j.neuroimage.2014.09.027
- Sripada, C., Kessler, D., & Jonides, J. (2014). Methylphenidate Blocks Effort-Induced Depletion of Regulatory Control in Healthy Volunteers. *Psychological Science*, 25(6), 1227-1234. 0956797614526415. doi:10.1177/0956797614526415
- Bo, J., Lee, C. M., Kwak, Y., Peltier, S. J., Bernard, J. A., Buschkuhl, M., Jaeggi, S. M. (7th). . . Seidler, R. D. (2014). Lifespan differences in cortico-striatal resting state connectivity. *Brain Connectivity*, 4(3), doi: 10.1089/brain.2013.0155.
- Buschkuhl, M., Hernandez-Garcia, L., Jaeggi, S.M., Bernard, J.A., and Jonides, J. (2014). Neuronal effects of short-term training on working memory. *Cognitive, Affective, and Behavioral Neuroscience*, 14 (1), 147-160.
- Jaeggi, S.M., Buschkuhl, M., Shah, P., & Jonides, J. (2014). The role of individual differences in cognitive training and transfer. *Memory and Cognition*, 42(3), 464-480. (IF: 2.02)
- Nee, D.E., and Jonides, J. (2013). Trisecting representational states in short-term memory. *Frontiers in Human Neuroscience*, 7(796).
- Kross, E., Verduyn, P., Demiralp, E., Park, J., Lee, D.S., Lin, N., Shablack, H., Jonides, J., and Ybarra, O. (2013). Facebook use predicts declines in well-being in young adults. [Electronic version] *PLoS One*, 8. PMID: PMC3743827.
- Krpan, K.M., Berman, M.G., Deldin, P.J., Askren, M.K., and Jonides, J. (2013). An

- everyday activity as a treatment for depression: the benefits of expressive writing for people diagnosed with major depressive disorder. *Journal of Affective Disorders*, 150(3), 1148-1151. PMID: PMC3759583.
- Thompson, R., Mata, J., Jaeggi, S.M., Buschkuhl, M., Jonides, J., and Gotlib, I. (2013). The role of attention to emotion in recovery from major depressive disorder. *Depression Research and Treatment*. PMID: PMC3703346. doi: 10.1155/2013/540726.
- Craig, K.S., Berman, M.G., Jonides, J., and Lustig, C. (2013). Escaping the recent past: Which stimulus dimensions influence proactive interference? *Memory and Cognition*, 41, 650-670. PMID: PMC3683102
- Foland-Ross, L.C., Hamilton, J.P., Joormann, J., Berman, M.G., Jonides, J., and Gotlib, I.H. (2013). The neural basis of difficulties disengaging from negative irrelevant material in major depression. *Psychological Science*, 24, 334-344. PMID: PMC4004633
- Bernard, J.A., Peltier, S.J., Wiggins, J.L., Jaeggi, S.M., Buschkuhl, M., Fling, B.W., Kwak, Y., Jonides, J., Monk, C.S., and Seidler, R.D. (2013). Disrupted cortico-cerebellar connectivity in older adults. *NeuroImage*, 83, 103-119. PMID: PMC3815977.
- Berman, M.G., Yourganov, G., Askren, M.K., Ayduk, O., Casey, B.J., Gotlib, I.H., Kross, E., McIntosh, A.R., Strother, S., Wilson, N.L., Zayas, V., Mischel, W., Shoda, Y., and Jonides, J. (2013). Dimensionality of brain networks linked to life-long individual differences in self-control. *Nature Communications*, 4, 1373. PMID: PMC3555568.
- Bernard, J.A., Peltier, S.J., Wiggins, J.L., Jaeggi, S.M., Buschkuhl, M., Jonides, J., Monk, C.S., and Seidler, R.D. (2013). Dissociable functional networks of the human dentate nucleus. *Cerebral Cortex*, 24(8), 2151-2159.
- Jonides, J., Jaeggi, S.M., Buschkuhl, M., and Shah, P. (2012). Building better science about building better brains. *Scientific American*, 23, 59-63.
- Shah, P., Jaeggi, S.M., Buschkuhl, M., and Jonides, J. (2012). Cognitive training for ADHD: The importance of individual differences. *Journal of Applied Research in Memory and Cognition*, 1, 204-205.
- Jaeggi, S.M., Buschkuhl, M., Shah, P., and Jonides, J. (2012). Cogmed and working memory training – Current challenges and the search for underlying mechanisms. *Journal of Applied Research in Memory and Cognition*, 1, 211-213.
- Bernard, J.A., Seidler, R.D., Hassevoort, K.M., Benson, B.L., Welsh, R.C., Wiggins, J.L., Jaeggi, S.M., Buschkuhl, M., Monk, C.S., Jonides, J., and Peltier, S.J. (2012). Resting state cortico-cerebellar functional connectivity networks: A comparison of anatomical and data-driven approaches. *Frontiers in Neuroanatomy*, 6, 31. PMID: PMC3415673.
- Thompson, R.J., Mata, J., Jaeggi, S.M., Buschkuhl, M., Jonides, J., and Gotlib, I.H. (2012). The everyday emotional experience of adults with major depressive disorder: Examining emotional instability, inertia, and reactivity. *Journal of Abnormal Psychology*, 121, 819-829. PMID: PMC3624976.
- Nee, D.E., Brown, J.W., Askren, M.K., Berman, M.G., Demiralp, E., Krawitz, A., and Jonides, J. (2012). A meta-analysis of executive components of working memory [Electronic version]. *Cerebral Cortex*, 23(2), 264-282. PMID: PMC3584956.



- Demiralp, E., Jaeggi, S.M., Buschkuhl, M., Ellsworth, P.C., Barrett, L.F., Henrandez-Garcia, L., Thompson, R.J., Mata, J., Gotlib, I.H., and Jonides, J. (2012). Feeling blue or turquoise? Emotional differentiation in major depressive disorder. *Psychological Science*, 23, 1410-1416.
- Buschkuhl, M., Jaeggi, S.M., and Jonides, J. (2012). Neuronal effects following working memory training. *Developmental Cognitive Neuroscience*, 2(S1), S167-S179. DOI: 10.1016/j.dcn.2011.10.001
- Anguera, J.A., Bernard, J.A., Reuter-Lorenz, P., Jaeggi, S.M., Buschkuhl, M., Benson, B.L., Jennett, S., Humfleet, J., Reuter-Lorenz, P.A., Jonides, J., and Seidler, R.D. (2012). The effects of working memory resource depletion and training on sensorimotor adaptation. *Behavioural Brain Research*, 228, 107-115. PMCID: PMC3264800.
- Berman MG., Kross E., Krpan KM., Askren MK., Burson A., Deldin PJ., Kaplan S., Sherdell L., Gotlib IH., and Jonides J.(2012). Interacting with nature improves cognition and affect for individuals with depression. *Journal of Affective Disorders*, 140, 300-305. PMCID:PMC3393816
- Thompson, R.J., Mata, J., Jaeggi, S., Buschkuhl, M., Deldin, P.J., Jonides, J., and Gotlib, I.H. (2012). The everyday emotional experience of adults with major depressive disorder. *Journal of Abnormal Psychology*, 121, 819-829. PMCID: PMC3624976
- Buschkuhl, M., Jaeggi, S.M., Shah, P., & Jonides, J. (2012). Working Memory Training and Transfer. In R. Subotnik, A. Robinson, C. Callahan & E.J. Gubbins (Eds.), *Malleable Minds: Translating Insights from Psychology and Neuroscience to Gifted Education*. Storrs, Connecticut: University of Connecticut. National Association for the Gifted and Talented, and The National Research Center on the Gifted and Talented. Institute for Education Science.
- Mata, J., Thompson, R.J., Jaeggi, S.M., Buschkuhl, M., Jonides, J., and Gotlib, I.H. (2012). Walk on the bright side: Physical activity and affect in major depressive disorder. *Journal of Abnormal Psychology*, 121(2), 297-308. PMCID: PMC3982878.
- Casey, B.J., Somerville, L.H., Gotlib, I.H., Ayduk, O., Franklin, N., Askren, M.K., Jonides, J., Berman, M.G., Wilson, N.L., Teslovich, T., Glover, G., Zayas, V., Mischel, W., and Shoda, Y. (2011). Behavioral and neural correlates of delay of gratification 40 years later. *Proceedings of the National Academy of Sciences of the United States of America*, 108(36), 14998-15003. PMCID: PMC3169162.
- Berman, M.G., and Jonides, J. (2011). Ruminating on rumination. *Biological Psychiatry*, 70(4), 310-311. DOI: 10.1016/j.biopsych.2011.06.003
- Thompson, R.J., Mata, J., Jaeggi, S., Buschkuhl, M., Jonides, J., and Gotlib, I.H. (2011). Concurrent and prospective relations between attention to emotion and affect intensity: An experience sampling study. *Emotion*, 11, 1489-1494. PMCID: PMC3204007.
- Jaeggi, S.M., Buschkuhl, M., Jonides, J., and Shah, P. (2011). Short and long term benefits of cognitive training. *Proceedings of the National Academy of Sciences of the United States of America*, 108(25), 10081-10086. PMCID: PMC3121868.
- Thompson, R.J., Mata, J., Jaeggi, S.M., Buschkuhl, M., Jonides, J., and Gotlib, I. (2011). Concurrent and prospective relations between attention to emotion and

- affect intensity: An experience sampling study. *Emotion*, 11(6), 1489-1494. PMID: PMC3204007.
- Nee, D.E., and Jonides, J. (2011). Dissociable contributions of prefrontal cortex and the hippocampus to short-term memory: Evidence for a 3-state model of memory. *NeuroImage*, 54(2), 1540-1548. PMID: PMC2997173.
- Atkins, A., Berman, M.G., Reuter-Lorenz, P.A., Lewis, R., and Jonides, J. (2011). Resolving semantic and proactive interference in memory over the short-term. *Memory and Cognition*, 39(5), 806-817. PMID: PMC4472387.
- Berman, M.G., Nee, D.E., Casement, M., Kim, H.S., Deldin, P., Kross, E., Gonzalez, R., Gotlib, I.H., Hamilton, P., Joormann, J., Waugh, C., and Jonides, J. (2011). Neural and behavioral effects of interference resolution in depression and rumination. *Cognitive, Affective and Behavioral Neuroscience*, 11, 85-96. PMID: PMC4006074.
- Gotlib, I.H., Jonides, J., Buschkuhl, M., and Joormann, J. (2011). Memory for affectively valenced stimuli in depression: Evidence from a novel matching task. *Cognition and Emotion*, 25(7), 1246-1254. PMID: PMC3971381.
- Hartley, A.A., Little, D.M., Speer, N.K., and Jonides, J. (2011). Input, retention, and output factors affecting adult age differences in visuospatial short-term memory. *Journal of Gerontology: Psychological Sciences*, 66, 435-443. PMID: PMC3132264.
- Mischel, W., Ayduk, O., Berman, M.G., Casey, B.J., Gotlib, I., Jonides, J., Kross, E., Teslovich, T., Wilson, N., Zayas, V., Shoda, Y. (2011). "Willpower" over the life span: Decomposing self-regulation. *Social, Cognitive, and Affective Neuroscience*, 6, 252-256. PMID: PMC3073393.
- Hartley, A., Jonides, J., and Sylvester, C.-Y. (2011). Dual task processing in younger and older adults: Similarities and differences revealed by fMRI. *Brain and Cognition*, 75, 281-291. DOI: 10.1016/j.bandc.2011.01.004
- Thompson, R.J., Mata, J., Jaeggi, S.M., Buschkuhl, M., Jonides, J., and Gotlib, I.H. (2010). Maladaptive coping, adaptive coping, and depressive symptoms: Variations across age and depressive state. *Behaviour Research and Therapy*, 48, 459-466. PMID: PMC2872051.
- Berman, M.G., Peltier, S., Nee, D.E., Kross, E., Deldin, P.J., and Jonides, J. (2010). Depression, rumination, and the default network. *Social, Cognitive, and Affective Neuroscience*, 6, 548-555. PMID: PMC3190207.
- Berman, M.G., Park, J., Gonzalez, R., Polk, T.A., Gehrke, A., Knaffla, S., and Jonides, J. (2010). Evaluating functional localizers: The case of the FFA. *Neuroimage*, 50, 56-71. PMID: PMC2825676.
- Jaeggi, S.M., Studer, B., Buschkuhl, M., Su, Y-F., Jonides, J., and Perrig, W.J. (2010). The relationship between n-back performance and matrix reasoning- implications for training and transfer. *Intelligence*, 38, 625-635.
- Joorman, J., Nee, D.E., Berman, M.G., Jonides, J., & Gotlib, I.H. (2010). Interference resolution in major depression. *Cognitive Affective, and Behavioral Neuroscience*, 10, 21-33. PMID: PMC2845922.
- Lukowski, A.F., Koss, M., Burden, M.J., Jonides, J., Nelson, C.A., Kaciroti, N., Jimenez, E., and Lozoff, B. (2010). Iron deficiency in infancy and neurocognitive functioning at 19 years: Evidence of long-term deficits in executive function and

- recognition memory. *Nutritional Neuroscience*, 13(2), 54-70. PMID: PMC3151652.
- Jaeggi, S.M., Berman, M.G., and Jonides, J. (2009). Training attentional Processes. *Trends in Cognitive Sciences*, 13(5), 191-192.
- Barch, D.M., Berman, M.G., Engle, R., Jones, J.H., Jonides, J., MacDonald, A., Nee, D.E., Redick, T.S., and Sponheim, S.R. (2009). CNTRICS final task selection: Working memory. *Schizophrenia Bulletin*, 35, 136-152. PMID: PMC2643954.
- Nee, D.E. and Jonides, J. (2009). Common and distinct neural correlates of perceptual and memorial selection. *NeuroImage*, 45, 963-975. PMID: PMC2775536.
- Franklin, M.S., and Jonides, J. (2009). Order and magnitude share a common representation in parietal cortex. *Journal of Cognitive Neuroscience*, 21(11), 2114-2120.
- Berman, M.G., Jonides, J., and Lewis, R.L. (2009). In search of decay in verbal short-term memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 35(2), 317-333.
- Lustig, C.A., Lewis, R.L., Berman, M.G., Nee, D.E., Moore, K.S., and Jonides, J. (2009). Psychological and neural mechanisms of short-term memory. In J.T. Cacioppo and G.G. Berntson (Eds.), Handbook of Neuroscience for the Behavioral Sciences, New York, NY: John Wiley and Sons.
- Bissett, P.G., Nee, D.E., and Jonides, J. (2009). Dissociating interference-control processes between memory and response. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 35(5), 1306-1316. PMID: PMC2848816.
- Franklin, M.S., Jonides, J., and Smith, E.E. (2009). Processing of order information for numbers and months. *Memory and Cognition*, 37(5), 644-654.
- Nelson, J.K., Reuter-Lorenz, P.A., Persson, J., Sylvester, C.-Y. C., and Jonides, J. (2009). Mapping interference resolution across task domains: A shared control process in left inferior frontal gyrus. *Brain Research*, 1256, 92-100. PMID: PMC2718547.
- Berman, M.G., Jonides, J., and Kaplan, S. (2008). The cognitive benefits of interacting with nature. *Psychological Science*, 19(12), 1207-1212.
- Nee, D.E. and Jonides, J. (2008). Neural correlates of access to short-term memory. *Proceedings of the National Academy of Sciences of the United States of America*, 105(37), 14228-14233. PMID: PMC2544606.
- Nee, D.E., and Jonides, J. (2008). Dissociable interference-control processes in perception and memory. *Psychological Science*, 19(5), 490-500.
- Jaeggi, S.M., Buschkuhl, M., Jonides, J., and Perrig, W.J. (2008). Improving fluid intelligence with training on working memory. *Proceedings of the National Academy of Science*, 105(109), 6829-6833. PMID: PMC2383929.
- Polk, T.A., Drake, R.M., Jonides, J., Smith, M.R., and Smith, E.E. (2008). Attention enhances the neural processing of relevant features and suppresses the neural processing of irrelevant features in humans: A functional magnetic resonance imaging study of the Stroop task. *Journal of Neuroscience*, 28(51), 13786-13792. PMID: PMC2659668.
- Jonides, J., Lewis, R.L., Nee, D.E., Lustig, C.A., Berman, M.G., and Moore K.S. (2008). The mind and brain of short-term memory. *Annual Review of Psychology*, 59, 193-224.

- Nee, D.E., Berman, M.G., Moore, K.S., & Jonides, J. (2008). Neuroscientific Evidence about the Distinction Between Short- and Long-Term Memory. *Current Directions in Psychological Science*, 17(2), 102-106.
- Franklin, M.S., Sledge-Moore, K., Yip, C-Y., Jonides, J., Rattray, K., and Moher, J. (2008). The effects of musical training on verbal memory. *Psychology of Music*, 36(3), 353-365.
- Wager, T.D., Hernandez, L., Jonides, J., and Lindquist, M. (2007). Elements of functional neuroimaging. In J. Cacioppo, L. Tassinary, and G. Berntson (Eds.), Handbook of Psychophysiology, 4<sup>th</sup> Edition. Cambridge: Cambridge University Press.
- Persson, J., Welsh, K.M., Jonides, J., and Reuter-Lorenz, P.A. (2007). Cognitive fatigue of executive processes: Interaction between interference resolution tasks. *Neuropsychologia*, 45(7), 1571-1579. PMID: PMC1876692.
- Franklin, M.S., Smith, E.E., and Jonides, J. (2007). Distance effects in memory for sequences: Evidence for estimation and scanning processes. *Memory*, 15(1), 104-116.
- Nee, D., Jonides, J., and Berman, M.G. (2007). Neural mechanisms of proactive interference-resolution. *NeuroImage*, 38(4), 740-751. PMID: PMC2206737.
- Nee, D.E., Wager, T.D., and Jonides, J. (2007). Interference resolution: Insights from a meta-analysis of neuroimaging tasks. *Cognitive, Affective, and Behavioral Neuroscience*, 7(1), 1-17.
- Reuter-Lorenz, P.A., and Jonides, J. (2007). The executive is central to working memory: insights from age, performance, and task variations. In A. Conway, C. Jarrold, M. Kane, A. Miyake, and J. Towse (Eds.). Variations in Working Memory. New York: Oxford University Press.
- Berman, M., Jonides, J., and Nee, D.E. (2006). Studying mind and brain with fMRI. *Social, Cognitive, and Affective Neuroscience*, 1(1), 158-161. PMID: PMC2555441.
- Jonides, J., Nee, D.E., and Berman, M.G. (2006). What has functional neuroimaging told us about the mind? So many examples, so little space. *Cortex*, 42(3), 414-417.
- Jonides, J. and Nee, D.E. (2006). Brain mechanisms of proactive interference in working memory. *Neuroscience*, 139(1), 181-193.
- Marshuetz, C., Reuter-Lorenz, P.A., Smith, E.E., Jonides, J., and Noll, D.C. (2006). Working memory for order and the parietal cortex: an event-related fMRI study. *Neuroscience*, 139(1), 311-316.
- Jonides, J., and Nee, D.E. (2005). Assessing dysfunction using refined cognitive methods. *Schizophrenia Bulletin*, 31(4), 823-829.
- Jonides, J., and Rattray, K. (2005). Undergraduate interest in the neurological basis of behavior. In J. Martin and M. Hager (Eds.) Conference Publication: Convergence of Neuroscience, Behavioral Science, Neurology, and Psychiatry. New York: Josiah Macy Jr. Foundation.
- Wager, T.D., Jonides, J., Smith, E.E., and Nichols, T.E. (2005). Towards a taxonomy of attention-shifting: Individual differences in fMRI during multiple shift types. *Cognitive, Affective, and Behavioral Neuroscience*, 5(1), 127-143.
- Wager, T.D., Lacey, S.C., Keller, M.C., and Jonides, J. (2005). Increased sensitivity in

- neuroimaging analyses using robust regression. *NeuroImage*, 26(1), 99-113.
- Wager, T.D., Sylvester, C-Y C., Lacey, S.C., Nee, D.E., Franklin, M., and Jonides, J. (2005). Common and unique components in resolving response inhibition revealed by fMRI. *NeuroImage*, 27(2), 323-340.
- Jonides, J., and Awh, E. (2003) What is the source of activation for working memory? *Brain and Behavioral Sciences*, 26(6), 741-742.
- Jonides, J. (2005). Neural basis of working memory. In L. Nadel (Ed.). Encyclopedia of Cognitive Science. New York: Wiley.
- Jonides, J., Lacey, S.C., and Nee, D.E. (2005). Processes of working memory in mind and brain. *Current Directions in Psychological Science*, 14(1), 2-5.
- Persson, J., Sylvester, C-Y. C., Nelson, J.K., Welsh, K.M., Jonides, J., and Reuter-Lorenz, P.A. (2004). Selection requirements during verb generation: Differential recruitment in older and younger adults. *NeuroImage*, 23(4), 1382-1390.
- Jonides, J., and Nee, D.E. (2004). Resolving conflict in mind and brain. *American Psychological Association Science Briefs*, 18(5), (<http://www.apa.org/science/about/psa/2004/05/jonides.aspx>).
- Jonides, J., Sylvester, C-Y.C., Lacey, S.C., Wager, T.D., Nichols, T.E., and Awh E. Modules of working memory. (2004). In R.H. Kluwe, G. Luer, and F. Rosler (Eds.). Principles of Working Memory. Boston: Birkhaeuser Publishing Ltd.
- Wager, T.D., Jonides, J., and Reading, S. (2004). Neuroimaging studies of shifting attention: A meta-analysis. *NeuroImage*, 22(4), 1679-1693.
- Postle, B.R., Awh, E., Jonides, J., Smith, E.E., and D'Esposito, M. (2004). The where and how of attention-based rehearsal in spatial working memory. *Cognitive Brain Research*, 20, 194-205.
- Jonides, J. (2004). How does practice make perfect? *Nature Neuroscience*, 7, 10-11.
- Nelson, J.K., Reuter-Lorenz, P.A., Persson, J., Sylvester, C-Y., and Jonides, J. (2003). Dissociable neural mechanisms underlying response-based and familiarity-based conflict in working memory. *Proceedings of the National Academy of Sciences of the United States of America*, 100(19), 11171-11175. PMID: PMC196946.
- Gehring, W.J., Bryck, R.L., Jonides, J., Albin, R.L., and Badre, D. (2003). The mind's eye, looking inward? In search of executive control in internal attention shifting. *Psychophysiology*, 40(4), 572-585.
- Sylvester, C-Y., C., Wager, T.D., Lacey, S.C., Jonides, J., Smith, E.E., Hernandez, L., and Nichols, T.E. (2003), Switching attention and resolving interference: fMRI measures of executive functions. *Neuropsychologia*, 41, 357-370.
- Smith, E.E., and Jonides, J. (2003). Executive control and thought. In L. Squire(Ed.), Fundamentals of Neuroscience, (pp. 1377-1394). New York, NY: Academic Press.
- Hernandez, L., Wager, T., and Jonides, J. (2002). Introduction to functional neuroimaging. In H. Pashler and J. Wixted (Eds), Stevens' Handbook of Experimental Psychology, (pp. 175-222). New York,NY.: John Wiley.
- Jonides, J., Wager, T.D., and Badre, D.T. (2002). Neuroimaging studies of memory. In Ramashandran (Ed). Encyclopedia of the Human Brain, San Diego: Academic Press.
- Jonides, J.,Badre, D., Curtis, C., Thompson-Schill, S.L., and Smith, E.E. (2002). Mechanisms of conflict resolution in prefrontal cortex. In D.T. Stuss and R.T.

- Knight (Eds), The Frontal Lobes,(pp.233-245). Oxford, UK: Oxford University Press.
- Thompson-Schill, S.L., Jonides, J., Marshuetz, C., Smith, E.E., D'Esposito, M., Kan, I.P., Knight, R.T., and Swick, D. (2002). Effects of frontal lobe damage on interference effects in working memory. *Cognitive, Affective, and Behavioral Neuroscience*, 2, 109-120.
- Hernandez, L., Badre, D., Noll, D.C., and Jonides, J. (2002) Temporal sensitivity of event related fMRI. *NeuroImage*, 17, 1018-1026.
- Awh, E., and Jonides, J. (2001). Overlapping mechanisms of attention and spatial working memory. *Trends in Cognitive Science*, 5, 119-126.
- Smith, E.E., Geva, A., Jonides, J., Miller, A., Reuter-Lorenz, P., and Koeppel, R.A. (2001). The neural basis of task-switching in working memory: Effects of performance and aging. *Proceedings of the National Academy of Sciences*, 98, 2095-2100. PMID: PMC29387.
- Patalano, A.L., Smith, E.E., Jonides, J., and Koeppel, R.E. (2001). PET evidence for multiple strategies of categorization. *Cognitive, Affective, and Behavioral Neuroscience*, 1, 360-370.
- Hartley, A.A., Speer, N.K., Jonides, J., Reuter-Lorenz, P.S., and Smith, E.E. (2001). Is the dissociability of working memory systems for name identity visual-object identity, and spatial location maintained in old age? *Neuropsychology*, 15, 3-17.
- Reuter-Lorenz, P.A., Marshuetz, C., Jonides, J., Smith, E.E., Hartley, A., and Koeppel, R. (2001). Neurocognitive aging of storage and executive processes. *European Journal of Cognitive Psychology*, 13(, 257-278.
- Jonides, J. Mechanisms of verbal working memory revealed by neuroimaging studies. (2000). In B. Landau, J. Sabini, J. Jonides, and E. Newport (Eds). Perception, Cognition, and Language. Cambridge, MA: MIT Press.
- Smith, E.E., and Jonides, J. (2000). The cognitive neuroscience of categorization. In M. Gazzaniga (Ed.) The New Cognitive Neurosciences, 2nd Edition. Cambridge, MA:MIT Press.
- Reuter-Lorenz, P.A., Jonides, J., Smith, E., Hartley, A., Miller, A., Marshuetz, C., & Koeppel, R. (2000). Age differences in the frontal lateralization of verbal and spatial working memory revealed by PET. *Journal of Cognitive Neuroscience*, 12, 174-187.
- Jonides, J., Marshuetz, C., Smith, E.E., Reuter-Lorenz, P.A., Koeppel, R.A., and Hartley, A. (2000). Age differences in behavior and PET activation reveal differences in interference resolution in verbal working memory. *Journal of Cognitive Neuroscience*, 12, 188-196.
- Landau, B., Sabini, J., Jonides, J., and Newport, E. (2000). Perception, Cognition, and Language. MIT Press.
- Marshuetz, C., Smith, E.E., Jonides, J., DeGutis, J., and Chenevert, T.L. (2000). Order information in working memory: fMRI evidence for parietal and prefrontal mechanisms. *Journal of Cognitive Neuroscience*, 12(S2), 130-144.
- D'Esposito, M., Postle, B.R., Jonides, J., and Smith, E.E., (1999). The neural substrate and temporal dynamics of interference effects in working memory as revealed by event-related fMRI. *Proceedings of the National Academy of Science*, 96, 7514-7519. PMID: PMC22117.

- Smith, E.E. and Jonides, J. (1999). Storage and executive processes in the frontal lobes. *Science*, 283(5408), 1657-1661.
- Reed, J., Squire, L.R., Smith, E.E., Jonides, J., and Patalano, A. (1999). Learning about categories that are defined by object-like stimuli despite impaired declarative memory. *Behavioral Neuroscience* 113(3), 411-419.
- Awh, E., Jonides, J., Smith, E.E., Buxton, R.B., Frank, L.R., Love, T., Wong, E.C., and Gmeindl, L. (1999). Rehearsal in spatial working memory: Evidence from neuroimaging. *Psychological Science*, 10(5), 433-437.
- Dehaene, S., Jonides, J., Smith, E.E., and Spitzer, M. (1999). Thinking and problem solving. In M.J. Zigmond, F.E. Bloom, S.C. Landis, J.L. Roberts, and L.R. Squire (Eds). Fundamental Neuroscience (pp. 1543-1564). New York, NY: Academic Press.
- Jonides, J., Schumacher, E.H., Smith, E.E., Koeppe, R.A., Awh, E., Reuter-Lorenz, P.A., Marshuetz, C., and Willis, C.R. (1998). The role of parietal cortex in verbal working memory. *Journal of Neuroscience* 18(13), 5026-5034.
- Smith, E.E., Patalano, A.L., and Jonides, J. (1998). Alternative strategies of categorization. *Cognition*, 65(2-3), 167-196.
- Nagda, B. A., Gregerman, S. R., Jonides, J., von Hippel, W., & Lerner, J.S. (1998). Undergraduate student-faculty research partnerships affect student retention. *Review of Higher Education*, 22, 55-72.
- Smith, E.E., Jonides, J., Koeppe, R.A., and Marshuetz, C. (1998). Components of verbal working memory: Evidence from neuroimaging. *Proceedings of the National Academy of Sciences*, 95(3), 876-882. PMID: PMC33811.
- Jonides, J., Smith, E.E., Marshuetz, C., and Koeppe, R.A. (1998). Inhibition in verbal working memory revealed by brain activation. *Proceedings of the National Academy of Sciences*, 95(14), 8410-8413. PMID: PMC20989.
- Smith, E.E., and Jonides, J. (1998). Neuroimaging analyses of human working memory. *Proceedings of the National Academy of Science*, 95(20), 12061-12068. PMID: PMC21765.
- Awh, E., Jonides, J., and Reuter-Lorenz, P.A. (1998). Rehearsal in spatial working memory. *Journal of Experimental Psychology: Human Perception and Performance*, 24(3), 780-790.
- Awh, E., and Jonides, J. (1998). Spatial selective attention and spatial working memory. In R. Parasuraman (Ed.). The Attentive Brain. Cambridge, MA: MIT Press.
- Jonides, J., and Smith, E.E. (1997). The architecture of working memory. In M.D. Rugg (Ed.). Cognitive Neuroscience, (pp.243-276). Sussex, England: Psychology Press.
- Braver, T.S., Cohen, J.D., Nystrom, L.E., Jonides, J., Smith, E.E., and Noll, D.C. (1997). A parametric study of prefrontal cortex involvement in human working memory. *NeuroImage*, 5(1), 49-62.
- Postle, B.R., Jonides, J., Smith, E.E., Corkin, S., and Growdon, J.H. (1997). Spatial, but not object, delayed response is impaired in early Parkinson's disease. *Neuropsychology*, 11(2), 171-179.
- Jonides, J., Schumacher, E.H., Smith, E.E., Lauber, E.J., Awh, E., Minoshima, S., and Koeppe, R.A. (1997). Verbal-working-memory load affects regional brain activation as measured by PET. *Journal of Cognitive Neuroscience*, 9(4), 462-

475.

- \*Cohen, J.D., Perlstein, W.M., Braver, T.S., Nystrom, L.E., Noll, D.C., Jonides, J., and Smith, E.E. (1997). Temporal dynamics of brain activation during a working memory task. *Nature*, 386(6625), 604-608.
- Smith, E.E., and Jonides, J. (1997). Working memory: A view from neuroimaging. *Cognitive Psychology*, 33, 5-42.
- Schumacher, E.H., Lauber, E., Awh, E., Jonides, J., Smith, E.E., and Koeppel, R.A. (1996). PET evidence for an amodal verbal working memory system. *NeuroImage*, 3, 79-88.
- Yantis, S., and Jonides, J. (1996). Attentional capture by abrupt visual onsets: New perceptual objects or visual masking? *Journal of Experimental Psychology: Human Perception and Performance*, 22, 1505-1513.
- Smith, E.E., Jonides, J., and Koeppel, R.A. (1996). Dissociating verbal and spatial working memory using PET. *Cerebral Cortex*, 6, 11-20.
- Jonides, J., Reuter-Lorenz, P., Smith, E.E., Awh, E., Barnes, L., Drain, M., Glass, J., Lauber, E., Patalano, A., Schumacher, E.H. (1996). Verbal and spatial working memory. In D. Medin (Ed.), The Psychology of Learning and Motivation, (pp. 43-88). New York: Academic Press.
- Awh, E., Jonides, J., Smith, E.E., Schumacher, E.H., Koeppel, R.A., and Katz, S. (1996). Dissociation of storage and rehearsal in verbal working memory: Evidence from PET. *Psychological Science*, 7, 25-31.
- Awh, E., Smith, E.E., and Jonides, J. (1995). Human rehearsal processes and the frontal cortex: PET evidence. In J. Grafman, K. Boller, and K. Holyoak (Eds.) Structure and Functions of the Human Prefrontal Cortex, (pp. 97-118). New York, NY: Academy of Science.
- Catrambone, R., Jones, C.M., Jonides, J., and Seifert, C. (1995). Reasoning about curvilinear motion: Using principles or analogy. *Memory and Cognition*, 23, 368-373.
- Smith, E.E., & Jonides, J. (1995). Working memory in humans: Neuropsychological evidence. In M. Gazzaniga (Ed.) The Cognitive Neurosciences, (pp. 1009-1020). Cambridge, MA: MIT Press.
- Jonides, J. (1995). Working memory and thinking. In E. E. Smith and D. N. Osherson (Eds.), Invitation to Cognitive Science: Thinking, Vol. 3 (Second edition)(pp.215-265). Cambridge, MA: MIT Press.
- Smith, E.E., Jonides, J., Koeppel, R.A., Awh, E., Schumacher, E.H., and Minoshima, S. (1995). Spatial vs. object working memory: PET investigations. *Journal of Cognitive Neuroscience*, 7, 337-356.
- Jonides, J., and Reuter-Lorenz, P. (1995). Redefining cognitive psychology. *Behavioral and Brain Sciences*, 18, 363-364.
- Minoshima, S., Koeppel, R.A., Smith, E.E., Awh, E., & Jonides, J. (1994). PET investigations of working memory. *Experimental Medicine*, 12, 70-72.
- von Hippel, W., Jonides, J., Hilton, J.L. & Narayan, S. (1993). Inhibitory effect of schematic processing on perceptual encoding. *Journal of Personality and Social Psychology*, 64, 921-935.
- Jonides, J., Smith, E.E., Koeppel, R.A., Awh, E. Minoshima, S., & Mintun, M.A. (1993). Spatial working memory in humans as revealed by PET. *Nature*, 363, 623-625.



- Manis, M., Shedler, J., Jonides, J., & Nelson, T.E. (1993). The availability heuristic in judgments of set-size and frequency of occurrence. *Journal of Personality and Social Psychology*, *65*, 448-457.
- Jonides, J., & Jones, C.M. (1992). Direct coding for frequency of occurrence. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *18*, 368-378.
- Yantis, S., & Jonides, J. (1990). Abrupt visual onsets and selective attention: Voluntary vs. automatic allocation. *Journal of Experimental Psychology: Human Perception and Performance*, *16*, 121-134.
- Dismukes, K. & Jonides, J. (1989). Project 2061: A place to start educating the public. The Scientist.
- Palmer, J., & Jonides, J. (1988). Automatic memory search and the effects of information load and irrelevant information. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *14*, 136-143.
- Abrams, R., & Jonides, J. (1988). Programming saccadic eye movements. *Journal of Experimental Psychology: Human Perception and Performance*, *14*, 428-443.
- Jonides, J., & Yantis, S. (1988). Uniqueness of abrupt onset in capturing attention. *Perception and Psychophysics*, *43*, 346-354.
- Jonides, J., Gleitman, H., Scanlon, S., Weingarten, H., & Larounis, G.M. (1987). Test Item File for Basic Psychology, Second Edition. New York, NY: W.W.Norton and Company.
- Jonides, J., Gleitman, H., Scanlon, S., Weingarten, H., & Larounis, G.M. (1987). Test Item File for Basic Psychology, Second Edition. New York, NY: W.W.Norton and Company.
- Jonides, J., & Naveh-Benjamin, M. (1987). Estimating frequency of occurrence. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *13*, 230-240.
- Jonides, J., Gleitman, H., Scanlon, S., Weingarten, H., & Larounis, G.M. (1986). Test Item File for Psychology (Second Edition). New York, NY: W.W. Norton and Company.
- Kaiser, M.K., Jonides, J., & Alexander, J. (1986). Intuitive reasoning about abstract and familiar physics problems. *Memory and Cognition*, *14*, 308-312.
- Ayres, T.J., Naveh-Benjamin, M., & Jonides, J. (1986). Recognition of the stimulus suffix. *Journal of Memory and Language*, *25*, 619-626.
- Naveh-Benjamin, M., & Jonides, J. (1985). The effects of rehearsal on frequency coding. *Bulletin of the Psychonomic Society*, *23*, 387-390.
- Hirtle S., & Jonides, J. (1985). Hierarchies in cognitive maps. *Memory and Cognition*, *13*, 208-217.
- Naveh-Benjamin, M., & Jonides, J., (1985). On the automaticity of frequency coding. *Bulletin of the Psychonomic Society*, *23*, 387-390.
- Jonides, J., Naveh-Benjamin, M., & Palmer, J. (1985). Assessing automaticity. *Acta Psychologica*, *60*, 157-171.
- Naveh-Benjamin, M. & Jonides, J. (1984). Maintenance rehearsal: A two-component analysis. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *10*, 369-385.
- Yantis, S. & Jonides, J. (1984). Abrupt visual onsets and selective attention: Evidence from visual search. *Journal of Experimental Psychology: Human Perception and Performance*, *10*, 601-621.

- Jonides, J. & Mack, R. (1984). On the cost and benefit of cost and benefit. *Psychological Bulletin*, 96, 29-44.
- Jonides, J. & Yantis, S. (1984). *Review of Visual Information Processing*. *American Journal of Psychology*, 97, 134-137.
- Naveh-Benjamin, M. & Jonides, J. (1984). Cognitive load and maintenance rehearsal. *Journal of Verbal Learning and Verbal Behavior*, 23, 494-507.
- Jonides, J. (1983). Further toward a model of the mind's eye's movement. *Bulletin of the Psychonomic Society*, 21, 247-250.
- Irwin, D., Yantis, S., & Jonides, J. (1983). Evidence against visual integration across saccadic eye movements. *Perception and Psychophysics*, 34, 49-57.
- Jonides, J., Irwin, D.E., & Yantis, S. (1983). Failure to integrate information from successive fixations. *Science*, 222, 188.
- Jonides, J. (1983). Reports of the icon's demise are premature. *Brain and Behavioral Sciences*, 6, 24-25.
- Jonides, J., Gleitman, H., Scanlon, S. & Weingarten, H. (1983). Test Item File for Basic Psychology, New York, NY: W.W. Norton and Company.
- Jonides, J. & Rozin, P. (1983). Study Guide for Basic Psychology, (Editions 1,2,3,4). New York, NY: W.W. Norton and Company.
- Jonides, J., Irwin, D.E., & Yantis, S. (1982). Integrating information from successive fixations. *Science*, 215, 192-194.
- Jonides, J., & Irwin, D.E. (1981). Capturing attention. *Cognition*, 10, 145-150.
- Jonides, J. & Baum, D.R. (1981). Cognitive maps: Analysis of distance estimates. Cognitive Science Technical Report.
- Jonides, J. & Rozin, P. (1981). Study Guide for Psychology, (Editions 1,2,3,4). New York, NY: W. W. Norton and Company.
- Jonides, J. (1981). Voluntary vs. Automatic control over the mind's eye's movement. In J.B. Long & A.D. Baddeley (Eds.) Attention and Performance IX. Hillsdale, N.J.:Lawrence Erlbaum Associates.
- Jonides, J. (1980). Toward a model of the mind's eye's movement. *Canadian Journal of Psychology*, 34, 103-112.
- Adelson, E.H. & Jonides, J. (1980). The psychophysics of iconic storage. *Journal of Experimental Psychology. Human Perception and Performance*, 6, 486-493.
- Baum, D.R. & Jonides, J. (1979). Cognitive maps: Comparative judgments of memorized versus perceived distances. *Memory and Cognition*, 7, 462-468.
- Ayres, T.J., Jonides, J., Reitman, J.S., Egan, J.C. & Howard, D. A. (1979). Differing suffix effects for the same physical suffix. *Journal of Experimental Psychology: Human Learning and Memory*, 5, 315-321.
- Jonides, J. (1979). Left and right visual field superiority for letter classification. *Quarterly Journal of Experimental Psychology*, 31, 423-439.
- van Santen, J.P.H., & Jonides, J. (1978). A replication of the face-superiority effect. *Bulletin of the Psychonomic Society*, 12, 278-380.
- Gleitman, H. & Jonides, J. (1978). The effect of set on categorization in visual search. *Perception & Psychophysics*, 24, 361-368.
- Rozin, P. & Jonides, J. (1977). Mass reaction time: In class measurement of the speed of the nerve impulse and the duration of mental processes. *Teaching of Psychology*, 4, 91-94.

- Jonides, J. & Gleitman, H. (1976). The benefit of categorization in visual search: Target location without identification. *Perception & Psychophysics*, 20, 289-298.
- Gleitman, H. & Jonides, J. (1976). The cost of categorization in visual search: Incomplete processing of targets and field items. *Perception & Psychophysics*, 20, 281-288.
- Jonides, J., Kahn, R. & Rozin, P. (1975). Imagery instructions improve memory in blind subjects. *Bulletin of the Psychonomic Society*, 5, 424-426.
- Jonides, J. (1975). Anatomy of an anomaly: The category-effect in visual search. Doctoral dissertation.
- Jonides, J. & Gleitman, H. (1972). A conceptual category effect in visual search: 0 as a letter or digit. *Perception & Psychophysics*, 12, 457-460.
- Egeth, H., Jonides, J. & Wall, S. (1972). Parallel processing of multi-element displays. *Cognitive Psychology*, 3, 674-693.
- Jonides, J., Collyer, S.C. & Bevan, W. (1972). Temporal factors influencing performance in the missing scan paradigm. *Perception & Psychophysics*, 12(2b), 241-244.
- Collyer, S.C., Jonides, J. & Bevan, W. (1972). Images as memory aides: Is bizarreness helpful? *American Journal of Psychology*, 85, 31-33.
- Egeth, H., Wall, S. & Jonides, J. (1971). Spontaneous encoding of left-right orientation. *Probe*, 1, 10-11.
- Bevan, W., Jonides, J. & Collyer, S.C. (1970). Chromatic relationships in metacontrast suppression. *Psychonomic Science*, 19, 367-368.

### Colloquia:

Columbia University  
 Dalhousie University  
 Florida Atlantic University  
 Georgetown University  
 Georgia Institute of Technology  
 Hillsdale College  
 Massachusetts Institute of Technology  
 McMaster University  
 Michigan State University  
 NASA Ames Research Center  
 New School for Social Research  
 Northwestern University  
 Princeton University  
 Rutgers University  
 Stanford University  
 Scripps College  
 SUNY at Binghamton  
 SUNY at Buffalo  
 SUNY at Stony Brook  
 Swarthmore College  
 The Johns Hopkins University  
 University of California at Berkeley  
 University of California at Davis

University of California at Los Angeles  
University of California at San Diego  
University of Chicago  
University of Florida  
University of Guelph  
University of Illinois  
University of Iowa  
University of Missouri  
University of Oklahoma  
University of Oregon  
University of Toronto  
University of Virginia  
University of Washington  
Vanderbilt University  
Washington University  
Yale University

**Professional Experience:**

**Teaching (Partial list):**

Introduction to Experimental Psychology  
Honors Introductory Psychology  
Introduction to Cognitive Psychology  
Introduction to functional MRI  
Advanced Topics in Cognitive Neuroscience  
Learning and Memory  
Mind and Brain  
Neurobiology of Learning and Memory  
Neuroimaging the Mind  
Neuroscience in the News  
Perception  
Psychology of Thinking  
Various graduate seminars (e.g., covering topics on representation of spatial information, automaticity in cognitive processing, perceptual learning, cognition and affect, perception and motor behavior, scene perception, cognitive neuroscience, working memory, memory).  
Teacher of junior high school science, Baltimore City Public Schools, 1969-70.

**Previous Administrative Posts (Partial list):**

Chair, Cognition and Perception Area, 1998-2002  
Associate Chair, Psychology Department, 1992-1996  
Director, Undergraduate Research Opportunities Program, 1989-1993.  
Special Assistant to the Dean, 1992-1993  
Associate Dean for Research and Facilities, 1990-1992  
Associate Dean for Research, 1989-1990  
Acting Chair, Psychology Department, 1985

Acting Chair, Psychology Department Experimental/ Mathematical Area, 1984.  
Psychology Department review committee: 1980-81.  
Psychology Department executive committee: 1977-81, 1983-1989.  
Psychology Department graduate committee: 1975-77.  
Director, Human Performance Center, 1980-1989.

**Reviewer:**

American Psychologist  
Canadian Journal of Psychology  
Cerebral Cortex  
Cognition  
Cognitive Psychology  
Cognitive Science  
Current Directions in Psychological Science  
Developmental Psychology  
Human Brain Mapping  
Journal of Abnormal Psychology  
Journal of Cognitive Neuroscience  
Journal of Experimental Child Psychology  
Journal of Experimental Psychology: Human Learning and Memory  
Journal of Experimental Psychology: Human Perception and Performance  
Journal of Neuroscience  
Journal of Personality and Social Psychology  
Nature  
Nature Neuroscience  
NeuroImage  
Neuron  
Neuropsychologia  
Neuroscience  
Proceedings of the National Academy of Science  
Psychological Bulletin  
Psychological Review  
Psychological Science  
Psychology and Aging  
Psychonomic Bulletin and Review  
Public Opinion Quarterly  
Science  
Teaching of Psychology  
Vision Research  
National Science Foundation grant proposals  
National Institute of Mental Health grant proposals  
Air Force Office of Scientific Research grant proposals

**Editor:**

Cognitive, Affective and Behavioral Neuroscience, 2000-2007

**Associate Editor:**

Cognitive Neuropsychology, 1999-2002

Psychological Science, 2009-2010

**Consulting editor:**

Journal of Experimental Psychology: Human Perception and Performance,  
1992-2000.

Memory and Cognition, 1980-1989.

Perception and Psychophysics, 1976-1982.

**Member:**

Chair, NIMH study section on Cognition and Perception, 2012-2015

NSF Graduate Fellowship Review Panel, 2014-2015

NIMH study section on Cognition and Perception, 1997-2001

NIMH study section on Behavioral Science Center grants, 2000

NIMH study section on Training grants, 2002

Chair, NIMH study section on Training Fellowships, 2003-2010

NSF panel on Science and Technology Centers, 2000

NSF panel on memory and cognitive processes, 1982-1985

NSF internal review committee for BNS, 2005

**Expert Consultant:**

Air Force Office of Scientific Research Program in Cognitive Science, 1986-1994.

American College Testing Program, 1989-1993

NSF (to create Cognitive Neuroscience funding program) 2000-2001

**Expert witness:**

Issues concerning perception and memory.