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PUBLICATIONS – Citation count as of 10/19/17: 36,435 (h=72) - Google Scholar at <https://scholar.google.com/citations?user=irWRYqcAAAAJ&hl=en&oi=ao>

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CHAPTERS

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6. Engle, R.W. (2001). What is working memory capacity? In Roediger, H. L., Nairne, J.S., Neath, I., Suprenant, A. M. The Nature of Remembering: Essays in Honor of Robert G. Crowder. Washington, D.C.: American Psychological Association Press.
7. Hambrick, D. Z. & Engle, R. W. (2003). The role of working memory in higher level cognition. In Davidson, J. & Sternberg, R. The nature of problem solving. MIT Press.
8. Engle, R.W. & Kane, M.J. (2004). Executive Attention, Working Memory Capacity, and a Two-Factor Theory of Cognitive Control. In Ross, B. (Ed), The Psychology of Learning and Motivation, (Vol 44, pp 145-199). Academic Press:NY.

9. Heitz, R.P., Unsworth, N. & Engle, R.W. (2004). Working memory capacity, attention, and fluid intelligence. In Wilhelm, O. & Engle, R.W. (Eds.), Handbook on Understanding and Measuring Intelligence, (pp 61-78), Sage Press: CA.
10. Wilhelm, O. & Engle, R. W. (2004). Intelligence: A diva and a workhorse. In Wilhelm, O. & Engle, R.W. (Eds.), Handbook on Understanding and Measuring Intelligence, (pp 1-10), Sage Press: CA.
11. Hambrick, D. Z., Kane, M. J., & Engle, R. W. (2005). The Role of Working Memory in Higher-Level Cognition: Domain-Specific vs. Domain-General Perspectives. In R. J. Sternberg & J. Pretz, Eds. Cognition and Intelligence, (pp 104-121). Cambridge University Press.
12. Unsworth, N., Heitz, R. P., & Engle, R.W. (2005). Working memory capacity and attention control. In Engle, R.W., Sedek, G., von Hecker, U. & McKintosh, D. (Eds.) Cognitive Limitations in Aging and Psychopathology: Attention, Working Memory, and Executive Functions. Cambridge University Press: London.
13. Engle, R.W., Sedek, G., von Hecker, U. & McIntosh, D. (2005) Cognitive Limitations in Aging and Psychopathology: A Brief Tutorial to Research Paradigms. In Engle, R.W., Sedek, G., von Hecker, U. & McIntosh, D. (Eds.). Cognitive Limitations in Aging and Psychopathology: Attention, Working Memory, and Executive Functions. Cambridge University Press: London.
14. Kane, M. J., Conway, A. R. A., Hambrick, D. Z., & Engle, R. W. (2007). Variation in working-memory capacity as variation in executive attention and control. To appear in A. R. A. Conway, C. Jarrold, M. J. Kane, A. Miyake, J. Towse (Eds.), Variation in Working Memory. Oxford University Press.
15. Engle, R.W. (2007). Integrative comments Working Memory: The mind is richer than the models. In Science of Memory: Concepts, (Eds.) Roediger, H.L. III, Dudai, Y., and Fitzpatrick, S.M. Oxford University Press.
16. Redick, T. S., Heitz, R. P., & Engle, R. W. (2007). Working memory capacity and inhibition: Cognitive and social consequences. In D. S. Gorfein, & C. M. MacLeod (Eds.), Inhibition in cognition (pp. 125-1420). Washington, DC: American Psychological Association.
17. Broadway, J.M.; Redick, T.S.; Engle, R.W. (2010). Working memory capacity: Self-control is (in) the goal. Hassin, R. R. (Ed); Ochsner, K.N. (Ed); Trope, Y. (Ed). Self control in society, mind, and brain, Oxford series in social cognition and social neuroscience (pp. 163-173). New York, NY, US: Oxford University Press
18. Courage, M. L.; Howe, M. L.; Ilkowska, M.; Engle, R. W.; Kossowska, M.; Orehek, E.; Kruglanski, A. W.; McVay, J.C.; Kane, M. J.; Marszał-Wiśniewska, M.; Zajusz, D.; Orzechowski, J. Sedek, G.; Brzezicka, A. Individual differences in working memory and higher-ordered processing: The commentaries. In Gruszka, A. Matthews, G., Szymura, B. (Eds). Handbook of individual differences in cognition: Attention, memory, and executive control. The Springer series on human exceptionalality (pp. 419-436). New York, NY, US: Springer Science + Business Media.
19. Ilkowska, M. & Engle, R. W. (2010). Trait and state differences in working memory capacity. In Gruszka, A. Matthews, G., Szymura, B. (Eds). Handbook of individual differences in cognition: Attention, memory, and executive control, The Springer series on human exceptionalality. (pp 295-320). New York, NY, US: Springer Science + Business

20. Ilkowska, M. & Engle, R. W. (2010). Working memory capacity and self-regulation. In Hoyle, R. H., Handbook of personality and self-regulation, (pp. 265-290). Wiley-Blackwell, xiv, 528 pp.
21. Harrison, T. L., Shipstead, Z., & Engle, R. W. (2014). Taxonomy of transfer to cognitive abilities. In D. S. Lindsay, C. M. Kelley, A. P. Yonelinas, & H. L. Roediger III (Eds.), Remembering: Attributions, processes, and control in human memory (307-321).

DISSERTATIONS DIRECTED:

1. Formal operation problem solving as a function of sex, interest and record keeping. Barbara W. S. Poteat, 1977.
2. Teaching awareness of strategic behavior in combination with strategy training: Effects on children's memory performance. Jack J. Kramer, 1979.
3. Hemispheric lateralization of phonetic processes vs. mnemonic load as the primary determinant of the ear symmetry in normal and dyslexic children. E. Selman Watson, 1980.
4. Automatic and attentional activation in semantic and episodic memory: Implications for the utility of conscious awareness. David A. Balota, 1981.
5. Case-structure patterns of verbs and judgement of sentence topic. Vance Truesdale, 1981 (Department of English, Program in Linguistics).
6. The effect of mnemonic instructions on intentional and incidental remembering in children. Malcolm B. Dick, 1984.
7. Do individual differences in working memory capacity predict higher level cognitive abilities. Marilyn L. Turner, 1987.
8. Testing a new theory of the psychological refractory period. B.J. Casey, 1990.
9. Working memory capacity as long-term memory activation. Judy Cantor, 1992.
10. Primacy effects in impression formation: The role of working memory capacity. Paula Skedsvold, 1993.
11. Cognitive processing occurring in the response period of recall tasks: Subvocal rehearsal or memory search? Linda LaPointe, 1995.
12. Individual differences in working memory capacity and resistance to interference in a paired-associate task. Virginia M. Rosen, 1996.
13. An investigation of selective attention: A test of the episodic retrieval theory of negative priming. Andrew R. A. Conway, 1996.
14. Effects of domain knowledge, working memory capacity and age on cognitive performance. David Z. Hambrick, 2000.

15. Working Memory Capacity as Controlled Attention: Implications for Visual Selective Attention. M. Kathryn Bleckley, 2000.
16. Control, Automaticity, and Working Memory: A Dual-Process Analysis, Karen Daniels, 2002
17. Working Memory Capacity and Pitch Discrimination, Tabitha Payne, 2003
18. Individual Differences in Complex Memory Span and Episodic Retrieval: Examining the Dynamics of Delayed and Continuous Distractor Free Recall, Nash Unsworth, 2006.
19. Neural Correlates of Speed-Accuracy Tradeoff: An Electrophysiological Analysis, Richard Heitz, 2007.
20. Individual Differences in Working Memory Capacity and the Distinction between Proactive and Reactive Control, Thomas Redick, 2009.
21. The Mechanisms of Working Memory Capacity: Maintenance, Retrieval, and Attention Control, Zach Shipstead, 2011.
22. N-back as a measure of working memory capacity, Tyler Harrison, 2017.

PROFESSIONAL ORGANIZATIONS:

APA (Fellow of Division 3), APS (Fellow), Psychonomic Society (elected chair of the Governing Board), Midwestern Psychological Association, Sigma Xi (Chapter President 1985-1986), Society of Experimental Psychology (limited membership honor society), Memory Disorders Research Society (limited membership honor society), American Association for Advancement of Science (Fellow).

AWARDS AND HONORS:

Teaching Honors:

Mortar Board Excellence in Teaching Award, 1988 and 1994.
 Ace Teacher Award, Models of the Mind, South Carolina Honors College, 1991
 Distinguished Honors College Professor, 1992
 Amoco Award for University Teacher of the Year, 1993
 South Carolina Governor's Professor of the Year, nominee, 1993 and 1994

Professional Honors:

Invited address to American Psychological Association, Division 3, 1996 annual meeting
 Chair of Executive Board of Council of Graduate Departments of Psychology
 Elected to Executive Committee of Division 3 of APA
 Elected to Governing Board of Psychonomic Society
 President, Division 3 of APA
 Chair of Governing Board of Psychonomic Society
 Elected to membership in The Society of Experimental Psychologists
 Elected to membership in the Memory Disorders Research Society
 Elected Fellow of America Association for the Advancement of Science
 Distinguished Alumni Award, Department of Psychology, The Ohio State University
 Lifetime Achievement Award, Division 3 of the American Psychological Association
 APS Mentor Award 2017

Keynote address to:

German Psychological Society – Bielefeld, Germany

European Society of Cognitive Psychology – Krakow, Poland

International Society of Intelligence Research – Melbourne, Australia

Centre for Cognitive Ageing and Cognitive Epidemiology, Edinburgh

Psychonomic Society, 2017

PROFESSIONAL SERVICE:

Editorial Board for *American Journal of Mental Deficiency* 1980-1982.

Editorial Board, *Intelligence*, 1993-1999.

Editorial Board, *Journal of Experimental Psychology: Learning, Memory and Cognition*, 1994-1999.

Editorial Board, *Memory & Cognition*, 1997-1999.

Editorial Board, *Behavioral Neuroscience Reviews*, 2002-2007.

Editorial Board, *Journal of Applied Research in Memory and Cognition*, 2012-present.

Editor, *Current Directions in Psychological Science*, 2009-2014.

Program Committee, American Psychological Society, 1997-1999 meetings.

Program Chair, American Psychological Society, 2000 and 2001 meetings.

Research Advisory Board, Department of Defense Polygraph Institute, 1999-2008.

Board member, Council of Graduate Departments of Psychology

Chair of the Governing Board, Council of Graduate Departments of Psychology

Executive Committee, APA Division 3.

President, APA Division 3

Governing Board, Psychonomic Society

Chair, Governing Board, Psychonomic Society

APA Council of Representatives (Div 3)

Grants

1.	Modality effects in short-term memory. Productive scholarship grant. 1 year.	640
2.	Research in auditory sensory memory in children. National Institute of Child Health and Human Development. 3 years.	49,000
3.	Research on memory strategies in normal retardates. Biomedical Research Grant. 1 year	2,840
4.	Modality effects in deaf subjects. Biomedical Research Grant. 1 year.	4,500
5.	Auditory sensory memory. Productive Scholarship grant. 1 year.	850
6.	Training cognitive strategies in children. National Institute of Child Health and Human Development. 2 years	73,000
7.	The role of echoic memory in reading disability. Biomedical Research Grant. 1 year.	6,500
8.	Working memory capacity: An individual differences approach. Air Force Office of Scientific Research. 2 years.	150,000
9.	Is dyslexia a language based problem? Biomedical Research Grant. 1 years.	6,000
10.	Adult illiteracy. Cutting Edge Grant. 2 years.	77,000
11.	Individual differences in working memory. National Institute of Child Health and Human Development. 4 years.	403,150
12.	Retrieval and storage consequences of working memory limitations. Air Force Office of Scientific Research. 3 years.	228,039
13.	Retrieval and storage consequences of working memory limitations. Air Force Office of Scientific Research AASERT Grant. 2 years.	102,524
14.	Working memory, controlled attention and task switching. Air Force Office of Scientific Research. 3 years.	394,960
15.	Augmentation of working memory, controlled attention and task switching. Air Force Office of Scientific Research AASERT Grant. 3 years.	125,000
16.	Working memory and focused and sustained attention. Air Force Office of Scientific Research. Jan 1, 2000-December 31, 2002	644,685
17.	Working memory capacity and interference. (TransCoop grant with Dr. Klaus Oberauer). Alexander von Humboldt Foundation, Jan 1, 2001-Dec 31, 2001	15,751
18.	Working memory capacity and control of attention, Air Force Office of Scientific Research, Feb 1, 2003-Jan 1, 2004	62,000

19.	Understanding the role of working memory capacity in complex task performance to improve sailor and marine selection, classification, and training. Office of Naval Research, 2009-2012	900,000
20.	Aptitude for Analysis. Center for Applied Study of Linguistics, Un. Of MD. 2012-2013.	335,934
21.	The Unitary versus Non-Unitary Nature of Executive Function. Center for Applied Study of Linguistics, Un. Of MD. 2012-2013.	369,178
22.	Understanding the Role of Working Memory Capacity in Complex Task Performance. Office of Naval Research, 2009-2012	899,822
23.	Development of a Web-based Test Battery for Seal Profile Development. Office of Naval Research, 2012-2013	254,649
24.	Benefits of Working Memory Training. Office of Naval Research, 2012-2015.	1,700,000
25.	The Physiological Underpinnings of Working Memory Capacity: The Role of the Locus Coeruleus. ONR DURIP GRANT, for equipment.	\$713,356
26.	Benefits of working memory training – renewal. Office of Naval Research, 2015-2018.	\$999,997
	Total	\$8,519,375