

Curriculum Vitae

Gail McKoon

Birth date: 1/21/48. Birth place: USA

Academic Training:

University of Iowa, B. Sc., 1969, Psychology & Mathematics
University of California, San Diego, M. Sc., 1970, Psychology
University of Colorado, Ph. D., 1975, Psychology

Professional Experience:

Professor, Ohio State University, beginning July 2003
Professor, Northwestern University, 1983 - 2003
Senior Research Associate, Yale University, July 1981 - Sept. 1983
Research Associate (Estes), Rockefeller University, March - Sept. 1979
Visiting Assistant Professor, Dartmouth College, 1977 - 1981
Assistant Professor, University of Toronto, 1976-77

Service:

Occasional reviews for the Journal of Memory and Language, Memory and Cognition, Cognitive Psychology, NSF, NIH, Journal of Experimental Psychology: Human Perception and Performance, Journal of Experimental Psychology: General, Child Development, Journal of Personality and Social Psychology, Psychological Review, Cognition.
Editorial Board of Psychological Review, 1988-1990, 2003-current.
Editorial Board of Journal of Experimental Psychology: Learning, Memory, and Cognition, 1981-1987, 1989-2002.
Grant Review Panel member, National Science Foundation: Memory and Cognitive Processes, 1985-1988.
Grant Review Panel member, National Institute of Mental Health (PEC), 1996-1998.
Grant Review Panel member, National Institute of Mental Health (BPPP-3), 1999-2000.
Grant Review Panel member, Dept. of Education, 2002-2004, 2011.
Dept. of Education National Literacy Panel on Language Minority Children and Youth, 2001-2006.
Education Resources Information Center Consultant, Dept. of Education
2003: Invited speaker and participant in the National Symposium on Learning Disabilities in English Language Learners organized by the Dept. of Education and NICHD.
IRB panel, Ohio State University, 2006-
NIH Review panel, "Understanding and Promoting Health Literacy," 2011.

Grants:

NRC (Canada) grant, 1976.
NRC (Canada) grant, 1977 (three years).
NIH small grant, 1978.
NICHD grant, 1979 (four years).
NICHD grant, 1983 (four years).
NSF grant, 1986 (four years).
AFOSR & NSF, joint grant, 1990 (three years).
NIDCD, 1991-1996,

AFOSR/NSF, 1990-1993.

NSF, 1994-1997.

NIDCD, 1997-2001.

NIH/NIA, 1999-2004.

NIH/NIDCD; PI McKoon, Co-PI Ratcliff; 2003-2010; \$1,104,350.

NIH/NIMH; PI Ratcliff, Co-PI McKoon; 1999-2012; ~\$200,000 per year direct costs.

NIH/NIA; PI Ratcliff, Co-PI McKoon, Co-PI Thapar; 2005-2013; ~\$285,000 per year direct costs.

DOEdu/IES; PI McKoon, PI Ratcliff; 2012-2016; ~\$262,000 per year direct costs

NIA R01 2017-2022. Integrated Cognitive and Decision Models with Applications to Aging and Numeracy, ~\$660,000 total costs per year.

NIA R56 2017-2019. Decision Making on Continuous Scales in Aging and Alzheimer's Disease, \$575,000 total costs.

Honors:

Phi Beta Kappa, University of Iowa, 1969

NSF Summer Research Fellowships, University of Iowa, 1968,69

National Merit Scholar, 1965-66

Designated by the Social Science Citation Indices as one of the 50 "Highest Impact Authors" across all research areas of psychology, 1985-1990.

Elected to Society for Experimental Psychologists, 2002.

Designated a Fellow of the Society of Text and Discourse, 2000.

Huber award, Ohio State University, 2013.

Placement of Postdoctoral Fellows and Research Associates:

Voskuilen - Ford Motor Company

Wagenmakers - University of Amsterdam, Netherlands

Gomez - DePaul University

Allbritton - Pittsburgh University

van Zandt - Johns Hopkins University

Osterhout - University of Washington

Gronlund - University of Oklahoma

Greene - Princeton University

Dell - University of Rochester

Publications:

NOTES:

When the Journal of Experimental Psychology was broken into parts, the Journal of Experimental Psychology: Human Learning and Memory later became the Journal of Experimental Psychology: Learning, Memory, and Cognition.

The Journal of Memory and Language was formerly known as the Journal of Verbal Learning and Verbal Behavior.

Hinrichs, J.V., & McKoon, G. (1971). Order and number requirements in immediate serial recall. *Journal of Experimental Psychology*, 87, 215-219.

Hinrichs, J.V., & McKoon, G. (1973). Set size and order requirements in immediate memory. *Memory and Cognition*, 1, 73-77.

Kintsch, Crothers, Glass, Keenan, McKoon, & Monk. (1974). *The representation of meaning in memory*. Hillsdale, NJ: Erlbaum.

McKoon, G., & Keenan, J.M. (1974). Response latencies to explicit and implicit statements as a function of the delay between

reading and test. In W. Kintsch (Ed.), *The representation of meaning in memory*. Hillsdale, NJ: Erlbaum.

- Kintsch, W., Kozminsky, E., Streby, W.J., McKoon, G., & Keenan, J.M. (1975). Comprehension and recall of text as a function of content variables. *Journal of Verbal Learning and Verbal Behavior*, *14*, 196-214.
- McKoon, G. (1977). Organization of information in text memory. *Journal of Verbal Learning and Verbal Behavior*, *16*, 247-260.
- Ratcliff, R., & McKoon, G. (1978). Priming in item recognition: Evidence for the propositional structure of sentences. *Journal of Verbal Learning and Verbal Behavior*, *17*, 403-417.
- McKoon, G., & Ratcliff, R. (1979). Priming in episodic and semantic memory. *Journal of Verbal Learning and Verbal Behavior*, *18*, 463-480.
- Ratcliff, R., & McKoon, G. (1979). Roots of modern cognitive psychology. (Review of Cognitive Psychology and Information Processing by Lachman, Lachman, & Butterfield). *Contemporary Psychology*, *24*, 917-918.
- McKoon, G., & Ratcliff, R. (1980). The comprehension processes and memory structures involved in anaphoric reference. *Journal of Verbal Learning and Verbal Behavior*, *19*, 668-682.
- McKoon, G., & Ratcliff, R. (1980). Priming in item recognition: The organization of propositions in memory for text. *Journal of Verbal Learning and Verbal Behavior*, *19*, 369-386.
- Dell, G.S., Ratcliff, R., & McKoon, G. (1981). Study and test repetition effects in item recognition priming. *American Journal of Psychology*, *94*, 497-511.
- McKoon, G. (1981). The representation of pictures in memory. *Journal of Experimental Psychology: Human Learning and Memory*, *7*, 216-221.
- McKoon, G., & Ratcliff, R. (1981). The comprehension processes and memory structures involved in instrumental inference. *Journal of Verbal Learning and Verbal Behavior*, *20*, 671-682.
- Ratcliff, R., & McKoon, G. (1981). Does activation really spread? *Psychological Review*, *88*, 454-462.
- Ratcliff, R., & McKoon, G. (1981). Automatic and strategic priming in recognition. *Journal of Verbal Learning and Verbal Behavior*, *20*, 204-215.
- Ratcliff, R., & McKoon, G. (1982). Speed and accuracy in the processing of false statements about semantic information. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *8*, 16-36.
- Dell, G.S., McKoon, G., & Ratcliff, R. (1983). The activation of antecedent information during the processing of anaphoric reference in reading. *Journal of Verbal Learning and Verbal Behavior*, *22*, 121-132.
- McKoon, G. & Ratcliff, R. (1984). Priming and on-line text comprehension. In Kieras & Just, (Eds.), *New methods in reading comprehension research* (pp. 119-128). Hillsdale, N.J.: Erlbaum.
- McNamara, T.P., Ratcliff, R., & McKoon, G. (1984). The mental representation of knowledge acquired from maps. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *10*, 723-732.
- McKoon, G., Ratcliff, R., & Dell, G. (1985). The role of semantic facilitation in episodic retrieval. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *11*, 742-751.
- Ratcliff, R., Hockley, W., & McKoon, G. (1985). Components of activation: Repetition and priming effects in lexical decision and recognition. *Journal of Experimental Psychology: General*, *114*, 435-450.
- McKoon, G., & Ratcliff, R. (1986). The automatic activation of episodic information in a semantic memory task. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *12*, 108-115.
- McKoon, G., & Ratcliff, R. (1986). Inferences about predictable events. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *12*, 82-91.

- McKoon, G., Ratcliff, R., & Dell, G. (1986). A critical evaluation of the semantic/episodic distinction. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *12*, 295-306.
- Ratcliff, R., & McKoon, G. (1986). More on the distinction between episodic and semantic memories. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *12*, 312-313.
- Seifert, C.M., Abelson, R.P., & McKoon, G. (1986). The role of thematic knowledge structures in reminding. In J.A. Galambos & R.P. Abelson (Eds.), *Knowledge Structures*. Hillsdale, NJ: Erlbaum.
- Seifert, C.M., McKoon, G., Abelson, R.P., & Ratcliff, R. (1986). Memory connections between thematically similar episodes. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *12*, 220-231.
- McKoon, G., & Ratcliff, R. (1987). *The use of on-line lexical decision probes to investigate inference processes*. Unpublished manuscript.
- Greene, S.B., Ratcliff, R., & McKoon, G. (1988). A flexible programming language for cognitive psychology experiments. *Behavior Research Methods, Instruments, & Computers*, *20*, 119-128.
Steve Greene won the Student Award from the Society for Computers in Psychology for this article.
- McKoon, G. (1988). *Word identification and elaborative inference: The relation between theory and empirical measurement*. Unpublished manuscript.
- McKoon, G., & Ratcliff, R. (1988). Contextually relevant aspects of meaning. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *14*, 331-343.
- Ratcliff, R., & McKoon, G. (1988). A retrieval theory of priming in memory. *Psychological Review*, *95*, 385-408.
- McKoon, G., & Ratcliff, R. (1989). Assessing the occurrence of elaborative inference with recognition: Compatibility checking vs. compound cue theory. *Journal of Memory and Language*, *28*, 547-563.
- McKoon, G., & Ratcliff, R. (1989). Inferences about contextually- defined categories. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *15*, 1134-1146.
- McKoon, G., & Ratcliff, R. (1989). Semantic associations and elaborative inference. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *15*, 326-338.
- McKoon, G., Ratcliff, R., & Seifert, C. (1989). Making the connection: Generalized knowledge structures in story understanding. *Journal of Memory and Language*, *28*, 711-734.
- Ratcliff, R., & McKoon, G. (1989). Memory models, text processing, and cue-dependent retrieval. In F.I.M. Craik & H.L. Roediger (Eds.), *Varieties of memory and consciousness: Essays in honour of Endel Tulving* (pp. 73-92). Hillsdale, NJ: Erlbaum.
- Ratcliff, R., & McKoon, G. (1989). Similarity information versus relational information: Differences in the time course of retrieval. *Cognitive Psychology*, *21*, 139-155.
- Ratcliff, R., McKoon, G. & Verwoerd, M. (1989). A bias interpretation of facilitation in perceptual identification. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *15*, 378-387.
- McKoon, G., & Ratcliff, R. (1990). Dimensions of inference. In A. Graesser and G. Bower, eds., *The Psychology of Learning and Motivation: Vol. 25. Inferences and text comprehension* (pp. 313-328). New York: Academic Press.
- McKoon, G. & Ratcliff, R. (1990). Textual inferences: Models and measures. In D.A. Balota, G.B. Flores d'Arcais, & K. Rayner (Eds.), *Comprehension Processes in Reading* (pp. 403-421). Hillsdale, NJ: Erlbaum.
- Ratcliff, R., & McKoon, G. (1991). Using ROC data and priming results to test global memory models. In S. Lewandowsky and W.E. Hockley (Eds.), *Relating Theory and Data: Essays on Human Memory in Honor of Bennet B. Murdock, Jr.* (pp. 279-296). Hillsdale, NJ: Erlbaum.
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- McKoon, G., & Ratcliff, R. (1992). Inference during reading. *Psychological Review*, 99, 440-466.
- McKoon, G., & Ratcliff, R. (1992). Spreading activation versus compound cue accounts of priming: Mediated priming revisited. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 18, 1155-1172.
- McKoon, G., Greene, S., & Ratcliff, R. (1993). Discourse models, pronoun resolution, and the implicit causality of verbs. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 19, 1-13.
- McKoon, G., Ratcliff, R., Ward, G., & Sproat, R. (1993). Syntactic prominence effects on discourse processing. *Journal of Memory and Language*, 32, 593-607.
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- Ratcliff, R., & McKoon, G. (1994). Retrieving information from memory: Spreading activation theories versus compound cue theories. *Psychological Review*, 101, 177-184.
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- McKoon, G., & Ratcliff, R. (1994). Sentential context and on-line lexical decision. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 20, 1239-1243.
- Ratcliff, R., McKoon, G., & Tindall, M.H. (1994). Empirical generality of data from recognition memory receiver-operating characteristic functions and implications for the global memory models. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 20, 763-785.
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- Greene, S.B., Gerrig, R.J., McKoon, G., & Ratcliff, R. (1994). Unheralded pronouns and the management of common ground. *Journal of Memory and Language*, 33, 511-526.
- Greene, S. B., & McKoon, G. (1995). Telling something we can't know: Experimental approaches to verbs exhibiting implicit causality. *Psychological Science*, 6, 262-270.
- McKoon, G., & Ratcliff, R. (1995). The minimalist hypothesis: Directions for research. In Weaver, C.A., Mannes, S., & Fletcher, C.R. (Eds.), *Discourse comprehension: Essays in honor of Walter Kintsch*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- McKoon, G., & Ratcliff, R. (1995). Conceptual combinations and relational contexts in free association and in priming in lexical decision. *Psychonomic Bulletin and Review*, 2, 527-533.
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- Ratcliff, R., & McKoon, G. (1995). Bias in the priming of object decisions. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 21, 754-767.
- Ratcliff, R. & McKoon, G. (1995). Sequential effects in lexical decision: Tests of compound cue retrieval theory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 21, 1380-1388.
- Ratcliff, R., van Zandt, T., & McKoon, G. (1995). Process dissociation, single process theories, and recognition memory. *Journal of Experimental Psychology: General*, 124, 352-374.
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- McKoon, G., Gerrig, R. J., & Greene, S. B. (1996). Pronoun resolution without pronouns: Some consequences of memory based text processing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 22, 919-932.
- Ratcliff, R., & McKoon, G. (1996). Bias effects in implicit memory tasks. *Journal of Experimental Psychology: General*, 125, 403-421.
- McKoon, G., & Ratcliff, R. (1996). Separating implicit from explicit retrieval processes in perceptual identification. *Consciousness and Cognition*, 5, 500-511.
- McKoon, G., Allbritton, D.W., & Ratcliff, R. (1996). Sentential context effects on lexical decisions with a cross-modal instead of an all-visual procedure. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 22, 1494-1497.
- Ratcliff, R., Allbritton, D.W., & McKoon, G. (1997). Bias in auditory priming. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 23, 143-152.
- Ratcliff, R., & McKoon, G. (1997). A counter model for implicit priming in perceptual word identification. *Psychological Review*, 104, 319-343.
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- Ratcliff, R., van Zandt, T., & McKoon, G. (1999). Connectionist and diffusion models of reaction time. *Psychological Review*, 106, 261-300.
- McKoon, G. & Macfarland, T. (2000). Externally and internally caused change of state verbs. *Language*, 76, 833-858.
- Ratcliff, R., & McKoon, G. (2000). Memory models. In E. Tulving and F.I.M. Craik (Eds.), pp 571-582. *Oxford Handbook of Memory*, Oxford University Press: New York.
- Ratcliff, R. & McKoon, G. (2000). Modeling the effects of repetition and word frequency in perceptual identification. *Psychonomic Bulletin and Review*, 7, 713-717.
- Ratcliff, R., Spieler, D., & McKoon, G. (2000). Explicitly modeling the effects of aging on response time. *Psychonomic Bulletin and Review*, 7, 1-25.
- Rouder, J.F., Ratcliff, R. & McKoon, G. (2000). A neural network model of implicit memory in object recognition. *Psychological Science*, 11, 13-19.
- Gerrig, R., & McKoon, G. (2001). Memory processes and experiential continuity. *Psychological Science*, 12, 82-86.
- McKoon, G., & Ratcliff, R. (2001). Counter model for word identification: Reply to Bowers (1999). *Psychological Review*, 108, 674-681. 6.75
- Ratcliff, R., & McKoon, G. (2001). A multinomial model for short-term priming in word identification. *Psychological Review*, 108, 835-846. 6.75
- Ratcliff, R., Thapar, A., & McKoon, G. (2001). The effects of aging on reaction time in a signal detection task. *Psychology and Aging*, 16, 323-341. 1.99
- McKoon, G. & Macfarland, T. (2002). Event templates in the lexical representations of verbs. *Cognitive Psychology*, 45, 1-44. 4.059
- McKoon, G. & Ratcliff, R. (2003). Meaning through syntax: Language comprehension and the reduced relative clause construction.

Psychological Review, 110, 490-525. 6.75

- Ratcliff, R., Thapar, A., & McKoon, G. (2003). A diffusion model analysis of the effects of aging on brightness discrimination. *Perception and Psychophysics*, 65, 523-535. 1.6
- Thapar, A., Ratcliff, R., & McKoon, G. (2003). A diffusion model analysis of the effects of aging on letter discrimination. *Psychology and Aging*, 18, 415-429. 1.99
- Ratcliff, R., Gomez, P., & McKoon, G. (2004). A diffusion model account of the lexical decision task. *Psychological Review*, 111, 159-182. 6.75
- Ratcliff, R., Spieler, D. & McKoon, G. (2004). Analysis of group differences in processing speed: Where are the models of processing? *Psychonomic Bulletin and Review*, 11, 755-769. 1.741
- Ratcliff, R., Thapar, A., & McKoon, G. (2004). A diffusion model analysis of the effects of aging on recognition memory. *Journal of Memory and Language*, 50, 408-424. 2.081
- Ratcliff, R., Thapar, A., Gomez, P., & McKoon, G. (2004). A diffusion model analysis of the effects of aging in the lexical-decision task. *Psychology and Aging*, 19, 278-289.
- Ratcliff, R., Thapar, A., Smith, P. L., & McKoon, G. (2005). Aging and response times: A comparison of sequential sampling models. In *Measuring the Mind: Speed, Control, and Age*, (pp. 3-32). J. Duncan, P. McLeod, & L. Phillips (Eds.), Oxford University Press: Oxford, England.
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- Ratcliff, R., Thapar, A., & McKoon, G. (2006). Aging and individual differences in rapid two-choice decisions. *Psychonomic Bulletin and Review*, 13, 626-635.
- Ratcliff, R., Thapar, A., & McKoon, G. (2006). Aging, practice, and perceptual tasks: A diffusion model analysis. *Psychology and Aging*, 21, 353-371.
- McKoon, G. & Ratcliff, R. (2007). Interactions of meaning and syntax: Implications for models of sentence comprehension. *Journal of Memory and Language*, 56, 270-290.
- Ratcliff, R., Thapar, A., & McKoon, G. (2007). Application of the diffusion model to two-choice tasks for adults 75-90 years old. *Psychology and Aging*, 22, 56-66.
- Garcia, G.E., McKoon, G., & August, D. (2008). Language and Literacy Assessment. In August, D. & T. Shanahani (Eds.), *Developing Reading and Writing in Second-Language Learners: Lessons from the Report of the National Literacy Panel on Language-Minority Children and Youth*. New York, NY: Routledge.
- Wagenmakers, E-J., Ratcliff, R., Gomez, P., & McKoon, G. (2008). A diffusion model account of criterion shifts in the lexical decision task. *Journal of Memory and Language*, 58, 140-159.
- Ratcliff, R., Schmiedek, F., & McKoon, G. (2008). A diffusion model explanation of the worst performance rule for reaction time and IQ. *Intelligence*, 36, 10-17.
- Ratcliff, R., & McKoon, G. (2008). Passive parallel automatic minimalist processing. In *Better than Conscious? Decision Making, the Human Mind, and Implications for Institutions*, C. Engel & W. Singer, (Eds.), Cambridge, MA: MIT Press.
- Ratcliff, R., & McKoon, G. (2008). The Diffusion Decision Model: Theory and Data for Two-Choice Decision Tasks. *Neural Computation*, 20, 873-922.
- McKoon, G., & Ratcliff, R. (2008). Meanings, propositions, and verbs. *Psychonomic Bulletin and Review*, 15, 592-597.
- White, C., Ratcliff, R., Vasey, M. & McKoon, G. (2009). Dysphoria and memory for emotional material: A diffusion model analysis. *Cognition and Emotion*, 23, 181-205.

- Gerrig, R.J., Love, J., & McKoon, G. (2009). Waiting for Brandon: How readers respond to small mysteries. *Journal of Memory and Language, 60*, 144-153.
- Love, J., McKoon, G., & Gerrig, R.J. (2010). Searching for Judy: How small mysteries affect narrative processes in the brain. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 36*, 790-796.
- Ratcliff, R., Thapar, A., & McKoon, G. (2010). Individual differences, aging, and IQ in two-choice tasks. *Cognitive Psychology, 60*, 127-157.
- White, C.N., Ratcliff, R., Vasey, M.W., & McKoon, G. (2010). Using diffusion models to understand clinical disorders. *Journal of Mathematical Psychology, 54*, 39-52.
- White, C. N., Ratcliff, R., Vasey, M. W., & McKoon, G. (2010). Anxiety enhances threat processing without competition among multiple inputs: A diffusion model analysis. *Emotion, 10*, 662-677.
- Ratcliff, R., Thapar, A., & McKoon, G. (2011). Effects of aging and IQ on item and associative memory. *Journal of Experimental Psychology: General, 140*, 464-487. (PMID: 21707207)
- Love, J., & McKoon, G. (2011). Rules of engagement: Incomplete and complete pronoun resolution. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 37*, 874-887.
- McKoon, G., & Love, J. (2011). Verbs in the lexicon: Why is hitting easier than breaking? *Language and Cognition, 3*, 313-330.
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- McKoon, G., & Ratcliff, R. (2012). Aging and IQ effects on associative recognition and priming in item recognition. *Journal of Memory and Language, 66*, 416-437.
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- McKoon, G. & Ratcliff, R. (2015). Cognitive theories in discourse-processing research. In E.J. O'Brien, A.E. Cook, & R.F. Lorch, Jr., *Inferences during reading*. Cambridge: Cambridge University Press.
- Ratcliff, R. & McKoon, G. (2015). Aging effects in item and associative recognition memory for pictures and words. *Psychology and Aging, 30*, 669-674.
- Ratcliff, R., Smith, P. L., & McKoon, G. (2015). Modeling regularities in response time and accuracy data with the diffusion model. *Current Directions in Psychological Science, 24*, 458-470.
- Ratcliff, R., Thompson, C.A., & McKoon, G. (2015). Modeling individual differences in response time and accuracy in numeracy. *Cognition, 137*, 115-136.
- McKoon, G. & Ratcliff, R. (2016). Adults with poor reading skills: How lexical knowledge interacts with scores on standardized reading comprehension tests. *Cognition, 146*, 453-469.
- Ratcliff, R., Smith, P.L., Brown, S.D., & McKoon, G. (2016). Diffusion decision model: Current issues and history. *Trends in Cognitive Science, 20*, 260-281.
- Thompson, C.A., Ratcliff, R., & McKoon, G. (2016). Individual differences in the components of children's and adults' information processing for simple symbolic and non-symbolic numeric decisions. *Journal of Experimental Child Psychology, 150*, 48-71.

- Huang-Pollock, C., Ratcliff, R., McKoon, G., Shapiro, Z., Weigard, A., & Galloway-Long, H. (2017). Using the diffusion model to explain cognitive deficits in Attention Deficit Hyperactivity Disorder. *Journal of Abnormal Child Psychology*, *45*, 57-68.
- McKoon, G., & Ratcliff, R. (2017). Adults with poor reading skills and the inferences they make during reading. *Scientific Studies of Reading*, *21*, 292-309.
- Voskuilen, C., Ratcliff, R., Fennell, A., & McKoon, G. (2017). Diffusion models of memory and decision making. In Wixted, J.T. (Ed.), *Cognitive Psychology of Memory, Vol. 2 of Learning and Memory: A Comprehensive Reference, 2nd Edition*, Byrne, J.D. (Ed.). pp. 227-241. Oxford: Academic Press.
- Ratcliff, R., Huang-Pollock, C., & McKoon, G. (2018). Modeling individual differences in the go/no-go task with a diffusion model. *Decision*, *5*(1), 42-62.
- Ratcliff, R., & McKoon, G. (2018). Modeling numeracy representation with an integrated diffusion model. *Psychological Review*, *125*, 183-217.
- Ratcliff, R., Voskuilen, C., & McKoon, G. (2018). Internal and external sources of variability in perceptual decision-making. *Psychological Review*, *125*, 33-46.
- Voskuilen, C., Ratcliff, R., & McKoon, G. (2018). Aging and confidence judgments in item recognition. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *44*, 1-23.
- McKoon, G., & Ratcliff, R. (2018). Adults with poor reading skills, older adults, and college students: The meanings they understand during reading using a diffusion model analysis. *Journal of Memory and Language*, *102*, 115-129.
- Ratcliff, R., & McKoon, G. (submitted). Decision making in numeracy tasks with spatially continuous scales.
- Thapar, A., Ratcliff, R., & McKoon, G. (submitted). Diffusion model analyses of age differences in practice effects for two-choice tasks.

Lectures and Papers presented:

- Rocky Mountain Psychological Association Convention, 1974.
 Psychonomics Society Meeting, 1976.
 McMaster University, 1977.
 Psychonomics Society Meeting, 1977.
 Annual Interdisciplinary Conference, 1978.
 Rutgers University, 1979.
 University of Chicago, 1979.
 Psychonomics Society, 1979.
 University of Delaware, 1980.
 Trinity College, 1980.
 Psychonomics Society, 1980.
 University of Wisconsin, Madison, 1981.
 Yale University (Cognitive Science), 1981.
 Bell Labs, Murray Hill, 1981.
 Conference on measuring on-line comprehension, Tucson, 1981.
 University of Auckland, 1982.
 AERA, 1982.
 Conference on discourse processing, France, 1982.
 Columbia University, 1982.
 Psychonomics Society, 1982.
 Annual Interdisciplinary Conference, 1982.
 Conference on memory, Ontario, 1983.
 Psychonomics Society, 1983.
 University of Massachusetts, 1983.
 Harvard, 1983.
 Indiana University, 1983.
 Annual Interdisciplinary Conference, 1983.
 Purdue University, 1984.
 Psychonomics Society, 1984.
 Cognitive Science Meetings, 1984.
 Psychonomics Society, 1985.

Purdue University, 1986.
 Army Research Institute, 1986
 Psychonomics Society, 1986.
 Hoosier Mental Life, 1986.
 University of Chicago, 1987.
 University of Minnesota, April 1987
 Annual Interdisciplinary Conference, 1986.
 MPA Invited Paper, 1987.
 Hoosier Mental Life, 1987.
 Psychonomics, 1987.
 Society for Computers in Psychology, 1987.
 Psychonomic Society Meeting, Nov 1987 (2 papers)
 Johns Hopkins University, April, 1988
 NIAS, Wassenaar, Netherlands, Comprehension processes in reading, July, 1988
 University of Illinois, Champaign-Urbana, Dec, 1988.
 Conference honoring Endel Tulving, June, 1989.
 Text Processing Conference, Sylvania Beach, Oregon, July, 1989
 Psychonomic Society Meeting, Nov, 1989.
 McMaster University, March, 1990.
 CUNY Conference on Sentence Processing, March 1990.
 Conference honoring B. Murdock, June, 1990.
 Psychonomic Society Meeting, Nov, 1990.
 Invited speaker, Otago conference on Cognition, March, 1991.
 Invited Address, CUNY Conference on Sentence Processing, May, 1991.
 Invited Address, Oregon Symposium: Coherence in Text, May, 1992.
 Symposium, International Congress of Psychology, Brussels, Belgium, July, 1992.
 Applied Psychology Unit, Cambridge, Great Britain, Aug, 1992.
 Johns Hopkins University, October, 1992.
 Psychonomic Society Meeting, paper and poster, Nov, 1992.
 Invited Address, Sentence Processing Conference, UMass, March, 1993.
 Conference Honoring Walter Kintsch, June, 1993.
 University of Minnesota, Sept., 1993.
 Psychonomic Society Meeting, 2 papers and poster, Nov., 1993.
 Gernsbacher Psycholinguistics Conference, July, 1994.
 Psychonomic Society Meeting, paper and poster, Nov., 1994.
 AIC Conference, Jan., 1995.
 Text Conference, Jan., 1995.
 Leiden Workshop on Memory, June, 1995.
 Max Plank Institute, July, 1995.
 European Congress of Psychology, July, 1995.
 Psychonomic Society Meeting, 2 papers, Nov., 1995.
 University of Denver, May, 1997.
 NICI colloquium, Nijmegen, Netherlands, Sept., 1997.
 Psychonomic Society Meeting, Philadelphia, Nov. 1997.
 Psychonomic Society Meeting, Dallas, Nov. 1998.
 Annual Interdisciplinary Conference, Jackson, WY, Jan. 1999.
 Linguistics Society of America, Los Angeles, Jan. 1999.
 Perspectives on Argument Structure, Austin, Texas, March, 1999.
 University of Maryland, Oct., 1999.
 Linguistics Society of America, Chicago, Jan., 2000.
 The 25th Penn Linguistics Colloquium, Philadelphia, March, 2001.
 Psychonomics Society, 2002.
 Western Conference on Formal Linguistics, 2003.
 Invited speaker and participant in the National Symposium on Learning Disabilities in English Language Learners organized by the Dept. of Education and NICHD, 2003.
 Australian Mathematical Psychology Meetings, Sydney, Nov., 2003.
 University of Western Australia, Perth, Australia, Dec., 2003.
 Melbourne University, Melbourne, Australia, Dec., 2003.
 Conference in honor of Patrick Rabbitt, Oxford University, Oxford, England, July, 2004.
 Annual summer interdisciplinary conference, Italy, July 2004.
 AMLAP Conference, Aix-en-Provence, France, Sept., 2004.
 Psychonomics Society, 2004.
 Jackson Hole Feb 2005
 Valencia Spain April 2005
 Berlin Germany April 2005
 Florida SEP April 2005

Jackson Hole Feb. 2006
 Frieberg Germany Feb. 2006
 Mathematical Psychology Meetings, Vancouver, Canada, July, 2006
 Sixth Annual Summer Interdisciplinary Conference, Kalymnos, Greece. June 2007
 Lecture (3 hrs.) on the diffusion model. Max Planck Institute, Berlin, Germany. June 2007).
 Mathematical Psychology 40th Annual Meeting, Costa Mesa, CA, July, 2007
 A Festschrift Conference in Honor of George Sperling, University of California, Irvine July 2007.
 Annual Meeting of the Psychonomic Society, Long Beach, CA, Nov. 2007
 Summer Linguistics Institute, Summer, 2007.
 Context and Memory conference, Tampa, Florida, Jan. 2008.
 Annual Interdisciplinary Conference, Jackson Hole, Feb. 2008.
 Seventh Annual Summer Interdisciplinary Conference, Maddonna Di Camplione, Italy, July, 2008.
 Psychonomics Society, 2008
 Context and Memory conference, Palm Beach, Florida, January, 2009 (invited)
 Workshop on components of cognition and fatigue, Spokane, Washington, June 2009 (invited)
 Annual Summer Interdisciplinary Conference, Sarre, Italy, July 2009 2009
 Annual Meeting of the Psychonomic Society, 2009 (3 presentations)
 Annual Meeting of the Society for Text and Discourse Processing (two presentations)
 University of London, 2009.
 Annual Meeting of the Psychonomic Society, 2010 (2 presentations)
 Washington State University, Spokane, WA, August 2010
 Society for Text and Discourse Conference, Chicago, IL, August 2010
 51st Annual Meeting of the Psychonomics Society, St. Louis, MO, Nov 2010 (1 talk and 2 posters)
 Annual Interdisciplinary Conference, Jackson Hole, January 2011
 Invited lecture, Amsterdam, May 2011
 Basque Center on Cognition, Brain and Language, San Sebastian, Spain, July 2011
 Workshop on reinforcement learning, McGill Bellairs Institute, Barbados, April 2012
 Invited talk, Festschrift for Richard Shiffrin, Indiana University, May 2012
 53rd Annual Meeting of the Psychonomics Society, Minneapolis, MN, Nov 2012
 Annual Interdisciplinary Conference, Jackson, WY, Jan 2013, talk
 University of Amsterdam, May 2013, invited lecture
 Annual Summer Interdisciplinary Conference, Cortina d'Ampezzo, Italy, July 2013
 Max Planck Institute, Berlin, Germany, Aug 2013, invited lecture
 Annual Interdisciplinary Conference, Jackson Hole, WY, Feb 2014, talk
 American Educational Research Association Annual Meeting, Philadelphia, PA, Apr 2014, talk
 University of Amsterdam, Netherlands, May 2014, invited talk
 Psychonomics Society 55th Annual Meeting, Long Beach, CA, Nov 2014, talk
 Annual Interdisciplinary Conference, Jackson Hole, WY, Feb 2015, talk
 Australasian Mathematical Psychology Conference, Newcastle, Australia, Feb 2015, talk
 14th Annual Summer Interdisciplinary Conference, Mammoth Lakes, CA, July 2015, talk
 Psychonomics Society 56th Annual Meeting, Chicago, IL, Nov 2015, talk
 Australian Mathematical Psychology Conference, Tasmania, Australia, Feb 2016, talk
 International Meeting of the Psychonomics Society, Grenada, Spain, May 2016, talk
 Workshop on Sequential Sampling Models of Decision Making, Emmetten, Switzerland, May 2016, invited talk
 Psychonomics Society 57th Annual Meeting, Boston, MA, Nov 2016, talk
 Mini-AIC (Annual Interdisciplinary Conference), Jackson, WY, Feb 2017, talk
 50th Annual Meeting of the Society for Mathematical Psychology, Warwick, United Kingdom, July 2017, talk
 16th Annual Summer Interdisciplinary Conference, Interlaken, Switzerland, July 2017, talk
 43rd Annual Interdisciplinary Conference, Jackson Hole, WY, Feb 2018, talk
 Australian Mathematical Psychology Conference, Perth, Australia, Feb 2018, talk
 International Meeting of the Psychonomic Society, Amsterdam, Netherlands, May 2018, talk
 17th Annual Summer Interdisciplinary Conference, Loano, Italy, Jun 2018, talk

Teaching Interests

Graduate and Undergraduate Courses in:

Cognitive Psychology
 Psychology of Language
 Memory
 Reading
 Statistics
 Experimental Design

OSU Service

Departmental Graduate Studies Committee, 2005-2007.
Developmental Search, 2006
Departmental Awards Committee, 2005-2009.
Cognitive Area Head, 2008-2014.
IRB 2006-2016