

VITA

Keith Rayner
Atkinson Professor of Psychology
University of California, San Diego
Email: krayner@ucsd.edu
Phone: 858-822-7816

Degrees:

B.S.,1968	Psychology	University of Utah
M.S.,1970	Ed Psychology	University of Utah
Ph.D.,1974	Cognitive Psych	Cornell University
	Ed Psychology	
	Psycholinguistics	

Thesis: The perceptual span and peripheral cues in reading.

Relevant Work Experience:

1973-78	University of Rochester	Assistant Professor of Education, Psychology, and Visual Science
1978-81	University of Massachusetts	Associate Professor of Psychology
1981-83	University of Massachusetts	Director, Center for Cognitive Science
1984-85	Oxford University, England	Visiting Professor
1987-88	Netherlands Institute for Advanced Study	Invited Visiting Fellow
1981-1991	University of Massachusetts	Professor of Psychology
2001-2002	University of Durham	Leverhulme Visiting Professor
2002-2007	University of Durham	Honorary Professor
2004-present	Tianjin Normal University	Honorary Professor
2007-present	University of Southampton	Honorary Professor
1991-2008	University of Massachusetts	Distinguished University Professor
2008-present	University of Massachusetts	Emeritus Distinguished Professor
2008-present	University of California, San Diego	Atkinson Family Professor of Psychology

Honors:

Creative Talent Award, American Institute for Research, Outstanding Psychology Dissertation, 1974
Distinguished Faculty Lecture Series, University of Massachusetts, 1991
Faculty Fellowship, University of Massachusetts, 1991-92
Outstanding Scientist Award, Society for the Scientific Study of Reading, 1996.
Leverhulme Visiting Professor, University of Durham, 2001-2002
Elected Member, Society of Experimental Psychology, 2003
Web of Science Most Frequently Cited List for Psychology and Psychiatry, 2003-2007
Chancellor's Lifetime Achievement Award, University of Massachusetts, 2006
Bartlett Lecture, Lifetime Achievement Award from Experimental Psychology Society, 2007

Professional Organizations:

American Psychological Association (Fellow)
American Psychological Society (Fellow)
Society of Experimental Psychology
Eastern Psychological Association
Midwestern Psychological Association
Experimental Psychology Society (England)
Psychonomic Society
European Society of Cognitive Psychology

Professional Activities:

Editor, **Journal of Experimental Psychology: Learning, Memory, and Cognition**, 1990-1995
Editor, **Psychological Review**, 2004-2011.
Member, Governing Board of the Psychonomic Society, 1995-2001 (Chair, 2001).
Member, Publications Board of the Psychonomic Society, 1995-2000 (Chair, 1998-2000).
Member, Publications Committee, APA, 2002-2003.
Member, Human Development Study Section 1, National Institute of Health, 1981-1985
Ad-Hoc Member, Human Development Study Section 3, NIH, 1992-98.
Chair, NIH Study Section, ZRG1 BBBP-3, 1999-2003
Member, Advisory Council, Association for the Study of Attention and Performance, 1986-1996.
Member, NSF Oversight Review Committee for Cognitive Science, 1987.
Member, Psychology Department Visiting Committee, Lehigh University, 1990-1994.
Member, APA Early Career Award Panel, 1992
Chair, Search Committee for Editor of **Memory & Cognition**, 1996.
Chair, Search Committee for Editor of **Cognitive, Affective, and Behavioral Neuroscience**, 1999
Member, Search Committee for Editor of **Journal of Experimental Psychology: HPP**, 2003.
Member, Search Committee for Editor of **Journal of Experimental Psychology: LMC**, 2005.
Member, Search Committee for Editor of **Psychonomic Bulletin & Review**, 2005.
Editorial Board, **Cognitive Psychology**, 1999-2005 (Action Editor)
Editorial Board, **Memory & Cognition**, 1981-1989
Editorial Board, **Reading Research Quarterly**, 1978-1981; 1985-89, 2007-2009.
Editorial Board, **Journal of Memory and Language**, 1985-89, 1996-2004, 2005-2007.
Editorial Board, **Journal of Experimental Psychology: HPP**, 1982-1989, 2000-2003.
Editorial Board, **Journal of Experimental Psychology: LMC**, 1996-2004
Editorial Board, **Journal of Experimental Child Psychology**, 1983-1985
Editorial Board, **Brain & Cognition**, 1982-1989
Editorial Board, **Psychonomic Bulletin & Review**, 1996-2004.
Editorial Board, **Psychological Science**, 2000-2003
Editorial Board, **Journal of Educational Psychology**, 1983-1989
Editorial Board, **Developmental Neuropsychology**, 1985-1989
Editorial Board, **Perception & Psychophysics**, 2000-2004
Editorial Board, **British Journal of Psychology**, 2000-2005 (Action Editor)
Editorial Board, **European Journal of Cognitive Psychology**. 2001-2003 (Action Editor)
Guest Editor, **Visible Language**, 1981

Occasional reviewer for National Science Foundation, British Grant review panels, Belgium grant review panels, German grant review panels, Dutch grant review panels, Canadian grant review panels, and numerous journals

External Evaluator: External evaluator for 3 Ph.D dissertations in England, 4 in Belgium, 3 in the Netherlands, 2 in Canada, 2 in the United States, and 1 in China.

Department Evaluator: External review committees for the Psychology Department at the following: University of Missouri, Lehigh University, Brigham Young University, Massachusetts Institute of Technology, University of Wisconsin, Brooklyn College, Chinese University of Hong Kong, and University of Oxford (UK).

Graduate Students Supervised: Susan Ehrlich (AT&T), Francis Pirozzolo (Baylor School of Medicine), Jung-Oh Kim (Seoul National University, Korea), Young-Ai Lee (Ewha Womens University, Korea), Albrecht Inhoff (Binghamton University), Robert Morrison (IBM), Robin Morris (University of South Carolina), Peter DeGraef (University of Leuven, Belgium), Sara Sereno (University of Glasgow, UK), John Henderson (University of Edinburgh, UK), Hye-Won Lee (Ewha Womens University, Korea), Martin Fischer (University of Dundee, UK), Erik Reichle (University of Pittsburgh), Gretchen Kambe (Microsoft), Brett Miller (Haskins Labs), Barbara Juhasz (Wesleyan University), Jane Ashby (Hampshire College), Rebecca Johnson (Skidmore College), Xingshan Li (Vanderbilt University), Jinmian Yang (current), Elizabeth Schotter (current)

Post-doc Advisor: David Balota (Washington University), Kate Ehrlich (Honeywell), Steven Dopkins (George Washington University), Gary Raney (University of Illinois, Chicago), Jeannette Altarriba (SUNY-Albany), Susan Duffy (University of Massachusetts, deceased), Stacy Birch (SUNY-Brockport), Harry Blanchard (AT&T), Debra Jared (University of Western Ontario), Katherine Binder (Mount Holyoke College), Avital Deutsch (Hebrew University, Israel), Harold Greene (University of Detroit), Matt Starr (IBM), Jennifer Wiley (University of Illinois, Chicago), Gouli Yan (Tianjin Normal University, China), Tessa Warren (University of Pittsburgh), Steven Frisson (University of Birmingham, UK), Kiel Christianson (University of Illinois), Sarah White (University of Leicester, UK), (University of Illinois), Kristin Weingartner (Hofstra University), Denis Drieghe (University of Ghent, Belgium), Monica Castelhana (Queen's University, Canada), Tim Slattery (current)

Teaching Interests:

Cognitive Psychology, Psychology of Reading, Psycholinguistics, Perception & Attention

Research Interests:

Reading, Psycholinguistics, Eye Movements, Picture Processing, and Visual Search.

Research Support:

Current Grant Support

Parafoveal Cues in Reading and Picture Processing. Grant HD26765 from the National Institute of Health. This grant has been held since 1974. It was funded initially by NIMH (MH 25868) as a small grant and then for 9 years by NICHD (HD12727). After that, it was funded by NSF (BNS-8609336) for three years prior to the current funding period (1993-2007). This project has been awarded a MERIT award.

The Nature and Time Course of Phonological Representations in Reading. Grant HD051700 from the National Institute of Health, 8/1/06 – 5/31/09

Eye Movements and Text Legibility. Grant from the Microsoft Corporation (2003-2007).

Training Grants

Training in Applied and Basic Cognition and Development. Grant MH16745 from the National Institute of Mental Health (1982-2009). I helped write the original and I wrote all of the renewal applications. I have been the PI on the grant for 20 years.

Prior Research Support

Language Processes in Reading. Grant HD17246 from the National Institute of Health. This grant has been held since 1979. It was funded initially by the National Science Foundation for three years (BNS79-17600), then for three years by NICHD (HD17246), for three years again by NSF (BNS8510177), for three years by NICHD (HD17246), for three years by NSF (DBS-9121375), and for ten years (1996-2006) by NIH.

Program in Language and Information Processing. Grant from the Sloan Foundation (1979-82). I was the PI for this Cognitive Science Grant.

Training in Psycholinguistics. Grant HD07327 from the National Institute of Child Health and Human Development (1987-2005). I helped write this Grant and was a Co-PI.

Stages of processing in word identification. Office of Naval Research Contract through the University of Rochester. 1976-79.

A multi-user eyetracker. Grant BNS-8609094 from the National Science Foundation. Equipment grant. 1986-87.

Eye controlled simulation of laser damage on the retina. US Army Research and Development Command. I was Co-PI (James Bertera, PI). 1984-86.

A single process theory of visual search. Grant MH 39960 from the National Institute of Mental Health. I was Co-PI (Donald Fisher, PI). 1985-88.

A conference on eye movements and visual cognition. Grant from the Air Force Office of Scientific Research. 1990.

Perceptual and Language Processes in Reading. Grant MH01255 from the National Institute of Mental Health. This was a five year Research Scientist Award (1995-2000).

Visualization and spatial reasoning. NSF-KDI award. This grant is a collaborative project between faculty from Mechanical Engineering, Computer Science, and Cognitive Psychology for 1 million dollars for three years. I was Co-PI on the grant (1999-2003).

Visualization and intelligent tutoring systems. General Electric Development Fund. This is a grant from GE as part of the NSF project for a half a million dollars for three years (1999-2003). I was Co-PI.

Phonological Representations in Reading. Grant HD045056 from the National Institute of Health. This

grant was a pre-doctoral fellowship for graduate student Jane Ashby.
Eye Movements while Looking at Ads. Grant from Unilever Corporation (2000-2005).
Eye Movements and Friendly Type. Grant from the Cambridge Reading Project (2005).

Books:

Rayner, K. and Pollatsek, A. The psychology of reading. Prentice-Hall, 1989; reprinted in 1995 by Erlbaum.

Edited Books and Monographs:

Balota, D. A., Flores d'Arcais, G. B., and Rayner, K. Comprehension processes in reading. Hillsdale, NJ: Erlbaum, 1990.

Clifton, C.E., Frazier, L., and Rayner, K. Perspectives on sentence processing. Hillsdale, NJ: Erlbaum, 1994.

Rayner, K. Visual cues in word recognition and reading. Special issues of the journal Visible Language, 1981.

Rayner, K. Eye movements in reading: Perceptual and language processes. Academic Press, 1983.

Rayner, K. Eye movements and visual cognition: Scene perception and reading. Springer-Verlag, 1992.

Radach, R., Kennedy, A., & Rayner, K. Eye movements and information processing during reading. Psychology Press, 2004.

Rayner, K., Shen, D., Bai, X., & Yan, G. Cognitive and cultural influences on eye movements. Tianjin People's Press/Psychology Press, 2008.

Publications:

1971

Hart, D. H., Rayner, K., & Christensen, E. R. Planning, preparation, and chance in occupational entry. Journal of Vocational Behavior, 1971, 1, 279-285.

1973

McConkie, G. W., Rayner, K., & Wilson, S. J. Experimental manipulation of reading strategies. Journal of Educational Psychology, 1973, 65, 1-8.

1974

McConkie, G. W., & Rayner, K. Manipulating reading strategies through a payoff schedule. Journal of Reading Behavior, 1974, 6, 9-18.

McConkie, G. W., & Rayner, K. An on-line computer technique for studying reading: Identifying the perceptual span. 23rd Yearbook of the National Reading Conference.

1975

- Rayner, K. The perceptual span and peripheral cues in reading. Cognitive Psychology, 1975, 7, 65-81.
- Rayner, K. Parafoveal identification during a fixation in reading. Acta Psychologica, 1975, 39, 271-282.
- Rayner, K., & Kaiser, J. Reading mutilated text. Journal of Educational Psychology, 1975, 67, 301-306.
- Rayner, K., & Hagelberg, E. M. Word recognition cues for beginning and skilled readers. Journal of Experimental Child Psychology, 1975, 20, 444-445.
- McConkie, G. W., & Rayner, K. The span of the effective stimulus during a fixation in reading. Perception & Psychophysics, 1975, 17, 578-586.

1976

- Rayner, K. Developmental changes in word recognition strategies. Journal of Educational Psychology, 1976, 68, 323-329.
- Rayner, K., & McConkie, G. W. What guides a reader's eye movements? Vision Research, 1976, 16, 829-837.
- Posnansky, C. J., & Rayner, K. Long-term recognition memory for sentences. Acta Psychologica, 1976, 40, 217-231.
- McConkie, G. W., & Rayner, K. Identifying the effective stimulus during a fixation in reading: Literature review and theories of reading. In H. Singer & R. N. Ruddell (Eds.), Theoretical models and processes of reading (2nd ed.). Newark, DE: International Reading Association, 1976.
- McConkie, G. W., & Rayner, K. Asymmetry of the perceptual span in reading. Bulletin of the Psychonomic Society, 1976, 8, 365-368.

1977

- Rayner, K. Visual attention in reading: Eye movements reflect cognitive processes. Memory & Cognition, 1977, 5, 443-448.
- Rayner, K., & McConkie, G. W. Perceptual processes in reading: The perceptual spans. In A. Reber & D. Scarborough (Eds.), Toward a psychology of reading. Hillsdale, NJ: Erlbaum, 1977.
- Pirozzolo, F. J., & Rayner, K. Hemispheric specialization in word recognition and reading. Brain and Language, 1977, 4, 248-261.
- Posnansky, C. J., & Rayner, K. Visual-feature and response components in a picture-word interference task with beginning and skilled readers. Journal of Experimental Child Psychology, 1977, 24, 440-460.

1978

- Rayner, K. Eye movements in reading and information processing. Psychological Bulletin, 1978, 85, 618-660.
- Rayner, K. Foveal and parafoveal cues in reading. In J. Requin (Ed.), Attention and Performance VII. Hillsdale, NJ: Erlbaum, 1978.
- Rayner, K. Eye movement latencies for parafoveally presented words. Bulletin of the Psychonomic Society, 1978, 11, 13-16.
- Rayner, K., & Posnansky, C. J. Stages of processing in word identification. Journal of Experimental

Psychology: General, 1978, 107, 64-80.

- Rayner, K., & Posnansky, C. J. Learning to read: Visual cues to word recognition. In A. M. Lesgold, J. W. Pellegrino, S. D. Fokkema, & R. Glaser (Eds.), Cognitive psychology and instruction. New York: Plenum, 1978.
- Rayner, K., McConkie, G. W., & Ehrlich, S. Eye movements and integrating information across fixations. Journal of Experimental Psychology: Human Perception and Performance, 1978, 4, 529-544.
- Posnansky, C. J., & Rayner, K. Visual vs. phonemic contributions to the importance of the initial letter in word identification. Bulletin of the Psychonomic Society, 1978, 11, 188-190.
- Pirozzolo, F. J., & Rayner, K. Disorders of oculomotor scanning and graphic orientation in developmental Gerstmann Syndrome. Brain and Language, 1978, 5, 119-126.

1979

- Rayner, K. Eye guidance in reading: Fixation locations in words. Perception, 1979, 8, 21-30.
- Rayner, K. Eye movements and cognitive psychology: On-line computer approaches to studying visual information processing. Behavior Research Methods and Instrumentation, 1979, 11, 164-171.
- Rayner, K. Eye movements in reading: Eye guidance and integration. In P. A. Kolers, M. Wrolstad, & H. Bouma (Eds.), Processing of Visible Language I. New York: Plenum, 1979.
- Rayner, K., & Bertera, J. H. Reading without a fovea. Science, 1979, 206, 468-469.
- Rayner, K. Semantic processing of words in foveal and parafoveal vision. In M. Gruneberg, P. Morris, & B. Sykes (Eds.), Practical aspects of memory. London: Academic Press, 1979.
- Pirozzolo, F. J., & Rayner, K. Cerebral organization and reading disability. Neuropsychologia, 1979, 17, 485-491.
- Pirozzolo, F. J., & Rayner, K. Neural control of eye movements in acquired and developmental dyslexia. In H. Avakian-Whitaker & H. A. Whitaker (Eds.), Studies in neurolinguistics. New York: Academic Press, 1979.

1980

- Rayner, K., McConkie, G. W., & Zola, D. Integrating information across eye movements. Cognitive Psychology, 1980, 12, 206-226.
- Rayner, K., Well, A. D., & Pollatsek, A. Asymmetry of the effective visual field in reading. Perception & Psychophysics, 1980, 27, 537-544.
- Inhoff, A. W., & Rayner, K. Parafoveal word perception: A case against semantic preprocessing. Perception & Psychophysics, 1980, 27, 457-464.
- Pirozzolo, F. J., & Rayner, K. Handedness, hemispheric specialization, and saccadic eye movement latencies. Neuropsychologia, 1980, 18, 225-229.

1981

- Rayner, K. Eye movements and the perceptual span in reading. In F. J. Pirozzolo & M. Wittrock (Eds.), Neuropsychological and cognitive processes in reading. Academic Press, 1981.
- Rayner, K. Visual cues in word recognition and reading: Introduction. Visible Language, 1981, 15, 125-127.
- Rayner, K., & Inhoff, A. W. Control of eye movements during reading. In B. L. Zuber (Ed.), Models of oculomotor control and behavior. West Palm Beach, FL: CRC Press, 1981.

- Rayner, K., Inhoff, A. W., Morrison, R. E., Slowiaczek, M. L., & Bertera, J. H. Masking of foveal and parafoveal vision during eye fixations in reading. Journal of Experimental Psychology: Human Perception and Performance, 1981, 7, 167-179.
- Rayner, K., & Morrison, R. E. Eye movements and identifying words in parafoveal vision. Bulletin of the Psychonomic Society, 1981, 17, 135-138.
- Rayner, K., & Pollatsek, A. Eye movement control during reading: Evidence for direct control. Quarterly Journal of Experimental Psychology, 1981, 33A, 351-373.
- Rayner, K., & Slowiaczek, M. L. Expectations and parafoveal information in reading: Comments on McClelland and O'Regan. Journal of Experimental Psychology: Human Perception and Performance, 1981, 7, 645-651.
- Ehrlich, S. F., & Rayner, K. Contextual effects on word recognition and eye movements during reading. Journal of Verbal Learning and Verbal Behavior, 1981, 20, 641-655.
- Morrison, R. E., & Rayner, K. Saccade size in reading depends upon character spaces and not visual angle. Perception & Psychophysics, 1981, 30, 395-396.
- Pollatsek, A., Bolozky, S., Well, A. D., & Rayner, K. Asymmetries in the perceptual span for Israeli readers. Brain and Language, 1981, 14, 174-180.

1982

- Frazier, L., & Rayner, K. Making and correcting errors during sentence comprehension: Eye movements in the analysis of structurally ambiguous sentences. Cognitive Psychology, 1982, 14, 178-210.
- Rayner, K., Well, A. D., Pollatsek, A., & Bertera, J. H. The availability of useful information to the right of fixation in reading. Perception & Psychophysics, 1982, 31, 537-550.
- Pollatsek, A., & Rayner, K. Eye movement control during reading: The role of word boundaries. Journal of Experimental Psychology: Human Perception and Performance, 1982, 8, 817-833.

1983

- Rayner, K. The perceptual span and eye movement control during reading. In K. Rayner (Ed.), Eye movements in reading: Perceptual and language processes. NY: Academic Press.
- Rayner, K. Eye movements, perceptual span, and reading disability. Annals of Dyslexia, 1983, 33, 163-173.
- Balota, D. A., & Rayner, K. Parafoveal visual information and semantic contextual constraints. Journal of Experimental Psychology: Human Perception & Performance, 1983, 9, 726-738.
- Rayner, K., Carlson, M., & Frazier, L. The interaction of syntax and semantics during sentence processing: Eye movements in the analysis of semantically biased sentences. Journal of Verbal Learning and Verbal Behavior, 1983, 22, 358-374.
- Rayner, K., Slowiaczek, M. L., Clifton, C., & Bertera, J. H. Latency of sequential eye movements: Implications for reading. Journal of Experimental Psychology: Human Perception & Performance, 1983, 9, 912-922.
- Pirozzolo, F. J., Rayner, K., & Hynd, G. W. The measurement of hemispheric asymmetries in children with developmental reading disabilities. In J. B. Hellige (Ed.), Cerebral hemispheric asymmetry. New York: Praeger Publishers, 1983.
- Ehrlich, K., & Rayner, K. Pronoun assignment and semantic integration during reading: Eye movements and immediacy of processing. Journal of Verbal Learning and Verbal Behavior,

1983, 22, 75-87.

Rayner, K. Icons, visual buffers, and eye movements. Behavioral and Brain Sciences, 1983, 6, 36-37.

1984

Rayner, K. Visual selection in reading, picture perception, and visual search: A tutorial review. In H. Bouma & D. Bouwhuis (Eds.), Attention and Performance 10: Control of language processes. Hillsdale, NJ: Erlbaum.

Rayner, K. The maturation of psycholinguistics. Contemporary Psychology, 1984, 29, 941-942.

Rayner, K. Review of Eye movements: Cognition and visual perception and Eye movements and psychological functions: International views. Perception, 1984, 13, 85-87.

Rayner, K., & Carroll, P. J. Eye movements and reading comprehension. In D. Kieras & M. A. Just (Eds.), New methods in reading comprehension research. Hillsdale, NJ: Erlbaum.

Pollatsek, A., Rayner, K., & Collins, W. E. Integrating pictorial information across eye movements. Journal of Experimental Psychology: General, 1984, 113, 426-442.

1985

Rayner, K. Do faulty eye movements cause dyslexia? Developmental Neuropsychology, 1985, 1, 3-15.

Rayner, K. Cognitive science: Fact or fantasy? Contemporary Psychology, 1985, 30, 692-693.

Rayner, K. The role of eye movements in learning to read and reading disability. Remedial and Special Education, 1985, 6, 53-60.

Balota, D. A., Pollatsek, A., & Rayner, K. The interaction of contextual constraints and parafoveal visual information in reading. Cognitive Psychology, 1985, 17, 364-390.

1986

Rayner, K. Eye movements and the perceptual span in beginning and skilled readers. Journal of Experimental Child Psychology, 1986, 41, 211-236.

Rayner, K. Against semantic preprocessing in parafoveal vision. Behavioral and Brain Sciences, 1986, 9, 46-47.

Rayner, K. Eye movements and the perceptual span: Evidence for dyslexic typology. In G. Pavlidis and D. Fisher (Eds.), Dyslexia: Its neuropsychology and treatment. London: Wiley.

Rayner, K., & Springer, C. J. Graphemic and semantic similarity effects in the picture-word interference task. British Journal of Psychology, 1986, 77, 207-222.

Rayner, K., & Duffy, S. A. Lexical complexity and fixation times in reading: Effects of word frequency, verb complexity, and lexical ambiguity. Memory & Cognition, 1986, 14, 191-201.

Rayner, K., Balota, D. A., & Pollatsek, A. Against parafoveal semantic preprocessing during eye fixations in reading. Canadian Journal of Psychology, 1986, 40, 473-483.

Pollatsek, A., Rayner, K., & Balota, D. A. Inferences about eye movement control from the perceptual span in reading. Perception & Psychophysics, 1986, 40, 123-130.

Inhoff, A. W., & Rayner, K. Parafoveal word processing during fixations in reading: Effects of word frequency. Perception & Psychophysics, 1986, 40, 431-439.

1987

- Rayner, K., & Frazier, L. Parsing temporarily ambiguous complements. Quarterly Journal of Experimental Psychology, 1987, 39A, 657-678.
- Rayner, K., & Pollatsek, A. Eye movements in reading: A tutorial review. In M. Coltheart (Ed.), Attention and Performance 12. Academic Press.
- Rayner, K., & Fisher, D. L. Letter processing during eye fixations in visual search. Perception & Psychophysics, 1987, 42, 87-100.
- Rayner, K., & Fisher, D. L. Eye movements and the perceptual span during visual search. In J. K. O'Regan and A. Levy-Schoen (Eds.), Eye movements: From physiology to cognition. Elsevier Science Publishers.
- Rayner, K., & Duffy, S. A. Eye movements and lexical ambiguity. In J. K. O'Regan and A. Levy-Schoen (Eds.), Eye movements: From physiology to cognition. Elsevier.
- Slowiaczek, M. L., & Rayner, K. Sequential masking during eye fixations in reading. Bulletin of the Psychonomic Society, 1987, 25, 175-178.
- Frazier, L., & Rayner, K. Resolution of syntactic category ambiguities: Eye movements in parsing lexically ambiguous sentences. Journal of Memory and Language, 1987, 26, 505-526.
- Schustack, M. W., Ehrlich, S. F., & Rayner, K. Local and global sources of contextual facilitation in reading. Journal of Memory and Language, 1987, 26, 322-340.
- Henderson, J. M., Pollatsek, A., & Rayner, K. The effects of foveal priming and extrafoveal preview on object identification. Journal of Experimental Psychology: Human Perception and Performance, 1987, 13, 449-463.
- Rayner, K. Cognitive neuropsychology and reading. Contemporary Psychology, 1987, 32, 325-327.

1988

- Rayner, K. Word recognition cues in children: The relative use of graphemic cues, orthographic cues, and grapheme-phoneme correspondence rules. Journal of Educational Psychology, 1988, 80, 473-479.
- Duffy, S. A., Morris, R. K., & Rayner, K. Lexical ambiguity and fixation times in reading. Journal of Memory and Language, 1988, 27, 429-446.
- Frazier, L., & Rayner, K. Parameterizing the language processing system: Left- vs. right-branching within and across languages. In J. A. Hawkins (Ed.), Explaining language universals. Oxford: Basil Blackwell.
- O'Brien, E. J., Shank, D. M., Myers, J. L., & Rayner, K. Elaborative inferences during reading: Do they occur on-line? Journal of Experimental Psychology: Learning, Memory, and Cognition, 1988, 14, 410-420.
- Rayner, K., & Duffy, S. A. On-line comprehension processes and eye movements in reading. In M. Daneman, G. E. MacKinnon, & T. G. Waller (Eds.), Reading research: Advances in theory and practice (Vol. 6). New York: Academic Press.

1989

- Rayner, K., & Frazier, L. Selection mechanisms in reading lexically ambiguous words. Journal of Experimental Psychology: Learning, Memory, and Cognition, 1989, 15, 779-790.
- Rayner, K., Murphy, L., Henderson, J. M., & Pollatsek, A. Selective attentional dyslexia. Cognitive Neuropsychology, 1989, 6, 357-378.
- Rayner, K. Language processes: Unfulfilled promises. Contemporary Psychology, 1989, 34, 384-385.

- Inhoff, A. W., Pollatsek, A., Posner, M. I., & Rayner, K. Covert attention and eye movements during reading. Quarterly Journal of Experimental Psychology, 1989, 41A, 63-89.
- Blanchard, H. E., Pollatsek, A., & Rayner, K. The acquisition of parafoveal word information in reading. Perception & Psychophysics, 1989, 46, 85-94.
- Henderson, J. M., Pollatsek, A., & Rayner, K. Covert visual attention and extrafoveal information use during object identification. Perception & Psychophysics, 1989, 45, 196-208.
- Boyce, S. J., Pollatsek, A., & Rayner, K. The role of background information on object identification. Journal of Experimental Psychology: Human Perception and Performance, 1989, 13, 555-565.
- Rayner, K., & Balota, D. A. Parafoveal preview effects and lexical access during eye fixations in reading. In W. Marslen-Wilson (Ed.), Lexical representation and process. Cambridge, MA: MIT Press, 1989.
- Rayner, K. Eye movements and the perceptual span in beginning and dyslexic readers. In C. von Eulor, I. Lundberg, and G. Lennerstrand (Eds.), Brain and reading. Macmillan Press, 1989.
- Pollatsek, A., & Rayner, K. Reading. In M. I. Posner (Ed.), Foundations of cognitive science. Cambridge: MIT Press, 1989.
- Rayner, K., Sereno, S. C., Morris, R. K., Schmauder, A. R., & Clifton, C. Eye movements and on-line comprehension processes. Language and Cognitive Processes, 1989, 4, SI 21-49. (Also reprinted in G. Altmann (Ed.), Parsing and interpretation. Sussex, England: Erlbaum, 1989.)

1990

- Rayner, K. Comprehension processes: Introduction. In D. A. Bolota, G. B. Flores d'Arcais, & K. Rayner (Eds.), Comprehension processes in reading. Hillsdale, NJ: Erlbaum.
- Rayner, K., Flores d'Arcais, G. B. & Balota, D. A. Comprehension processes in reading: Final thoughts. In D. A. Bolota, G. B. Flores d'Arcais, & K. Rayner (Eds.), Comprehension processes in reading. Hillsdale, NJ: Erlbaum.
- Pollatsek, A., & Rayner, K. Eye movements and lexical access in reading. In D. A. Bolota, G. B. Flores d'Arcais, & K. Rayner (Eds.), Comprehension processes in reading. Erlbaum.
- Frazier, L., & Rayner, K. Taking on semantic commitments: Processing multiple meanings vs. multiple senses. Journal of Memory and Language, 1990, 29, 181-200.
- Rayner, K., & Morris, R. K. Do eye movements reflect higher order processes in reading? In R. Groner, G. d'Ydewalle, & R. Parham (Eds.), From eye to mind: Information acquisition in perception, search, and reading. Amsterdam: North Holland Press, 1990.
- Garrod, S., O'Brien, E. J., Morris, R. K., & Rayner, K. Elaborative inferencing as an active or passive process. Journal of Experimental Psychology: Learning, Memory, and Cognition, 1990, 16, 250-257.
- Duffy, S. A., & Rayner, K. Eye movements and anaphor resolution: Effects of antecedent typicality and distance. Language and Speech, 1990, 33, 103-119.
- Pollatsek, A., Rayner, K., & Henderson, J. H. Role of spatial location in integration of pictorial information across saccades. Journal of Experimental Psychology: Human Perception and Performance, 1990, 16, 199-210.
- Morris, R. K., Rayner, K., & Pollatsek, A. Eye movement guidance in reading: The role of parafoveal letter and space information. Journal of Experimental Psychology: Human Perception and Performance, 1990, 16, 268-281.
- Huitema, J. S., & Rayner, K. Review of Advances in Applied Psycholinguistics: Reading, Writing, and Language Learning. American Journal of Psychology, 1990, 103, 574-580.

1991

- Rayner, K., & Morris, R. K. Comprehension processes in reading ambiguous sentences. In G.B. Simpson (Ed.), Understanding word and sentence. Amsterdam: North Holland, Pp 175-198.
- Rayner, K., & Pollatsek, A. Reading processes and comprehension. In R. Dulbecco (Ed.), Encyclopedia of human biology (Vol. 6). New York: Academic Press, Pp 481-492.
- Morris, R. K., & Rayner, K. Eye movements in skilled reading: Implications for developmental dyslexia. In J.F.Stein (Ed.), Vision and visual dyslexia. MacMillan, Pp 233-242.
- Balota, D. A., & Rayner, K. Word recognition processes in foveal and parafoveal vision: The range of influence of lexical variables. In D. Besner & G. W. Humphreys (Eds.), Basic processes in reading. Hillsdale, NJ: Erlbaum, Pp 198-232.

1992

- Rayner, K., & Morris, R. K. Eye movement control in reading: Evidence against semantic preprocessing. Journal of Experimental Psychology: Human Perception and Performance, 1992, 18, 163-172.
- Rayner, K., & Pollatsek, A. Eye movements and scene perception. Canadian Journal of Psychology, 1992, 46, 342-376.
- Rayner, K., Garrod, S., & Perfetti, C.A. Discourse influences during parsing are delayed. Cognition, 1992, 45, 109-139.
- Britt, M. A., Perfetti, C. A., Garrod, S., & Rayner, K. Parsing in discourse: Context effects and their limits. Journal of Memory and Language, 1992, 31, 293-314.
- Sereno, S. C., & Rayner, K. Fast priming during eye fixations in reading. Journal of Experimental Psychology: Human Perception and Performance, 1992, 18, 173-184.
- Sereno, S.C., Pacht, J.M., & Rayner, K. The effect of meaning frequency on processing lexically ambiguous words: Evidence from eye fixations. Psychological Science, 3, 296-300.
- Pollatsek, A., & Rayner, K. What is integrated across fixations? In K. Rayner (Ed.), Eye movements and visual cognition: Scene perception and reading. New York: Springer-Verlag, 1992.
- Pollatsek, A., Lesch, M., Morris, R. K., & Rayner, K. Phonological codes are used in integrating information across saccades in word identification and reading. Journal of Experimental Psychology: Human Perception and Performance, 1992, 18, 148-162.
- Rayner, K. Eye movements and visual cognition: Introduction. In K. Rayner (Ed.), Eye movements and visual cognition: Scene perception and reading. New York: Springer-Verlag, 1992.

1993

- Rayner, K. Eye movements in reading: Recent developments. Current Directions in Psychological Science, 1993, 2, 81-85.
- Rayner, K. Reading symposium: Introduction. Psychological Science, 1993, 4, 280-282.
- Rayner, K. Reading rate: A review of research and theory. Contemporary Psychology, 1993, 38, 86-87.
- Fischer, M.H., & Rayner, K. On the functional significance of express saccades. Behavioral and Brain Sciences, 1993, 16, 577.
- Raney, G.E., & Rayner, K. Event-related brain potentials, eye movements, and reading. Psychological

Science, 1993, 4, 283-286.

- Pollatsek, A., Raney, G.E., LaGasse, L., & Rayner, K. The use of information below fixation in reading and in visual search. Canadian Journal of Experimental Psychology, 1993, 47, 179-200.
- Pacht, J.M., & Rayner, K. The processing of homophonic homographs during reading: Evidence from eye movement studies. Journal of Psycholinguistic Research, 1993, 22, 251-271.
- Clifton, C., Frazier, L., & Rayner, K. Introduction. In C. Clifton, L. Frazier, and K. Rayner (Eds.), Perspectives on sentence processing. Hillsdale, NJ: Erlbaum. 1993.

1994

- Rayner, K., & Sereno, S.C. Regressive eye movements and sentence parsing: On the use of regression contingent analyses. Memory & Cognition, 1994, 22, 281-285.
- Rayner, K., & Sereno, S.C. Regression contingent analyses: A reply to Altmann. Memory & Cognition, 1994, 22, 291-292.
- Rayner, K., & Sereno, S.C. Eye movements in reading: Psycholinguistic studies. In M.A. Gernsbacher (Ed.), Handbook of Psycholinguistics. San Diego, CA: Academic Press, 1994.
- Rayner, K. Eye movements during skilled reading. In J. Ygge and G. Lennerstrand (Eds.), Eye movements in reading. Oxford: Pergamon Press, 1994.
- Rayner, K., Pacht, J.M., & Duffy, S.A. Effects of prior encounter and global discourse bias on the processing of lexically ambiguous words: Evidence from eye fixations. Journal of Memory and Language, 1994, 33, 527-544.
- Rayner, K. Summary comments. In J. Ygge and G. Lennerstrand (Eds.), Eye movements in reading. Oxford: Pergamon Press, 1994.

1995

- Rayner, K., Pollatsek, A., & Bilsky, A.B. Can a temporal processing deficit account for dyslexia? Psychonomic Bulletin & Review, 1995, 2, 501-507.
- Rayner, K., Sereno, S.C., Lesch, M.F., & Pollatsek, A. Phonological codes are automatically activated during reading: Evidence from an eye movement priming paradigm. Psychological Science, 1995, 6, 26-32.
- Raney, G.E., & Rayner, K. Word frequency effects and eye movements during two readings of a text. Canadian Journal of Experimental Psychology, 1995, 49, 151-172.
- Rayner, K. Eye movements and cognitive processes. Review of perception and cognition: Advances in eye movement research. American Journal of Psychology, 1995, 66, 460-464.
- Rayner, K., Raney, G.E., & Pollatsek, A. Eye movements and discourse processes. In R.F. Lorch and E.J. O'Brien (Eds.), Sources of coherence in reading. Hillsdale, NJ: Erlbaum, 1995.
- Rayner, K. Eye movements and cognitive processes in reading, visual search, and scene perception. In J.M. Findlay, R. Walker, and R.W. Kentridge (Eds.), Eye movement research: Mechanisms, processes and applications. Amsterdam: North-Holland Press, 1995.
- Inhoff, A.W., & Rayner, K. Eye movements and reading. In W. Gunther (Ed.), Handbook of Speech and Language. Berlin: Springer-Verlag, 1995.

1996

- Rayner, K., & Fischer, M.H. Mindless reading revisited: Eye movements during reading and scanning are different. Perception & Psychophysics, 1996, 58, 734-747.

- Rayner, K., Sereno, S.C., & Raney, G.E. Eye movement control in reading: A comparison of two types of models. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 1188-1200.
- Rayner, K., & Pollatsek, A. Reading unspaced text is not easy: Comments on the implications of Epelboim et al.'s study for models of eye movement control in reading. Vision Research, 1996, 36, 461-465.
- Altarriba, J. Kroll, J.F., Sholl, A., & Rayner, K. The influence of lexical and conceptual constraints on reading mixed language sentences: Evidence from eye fixation and naming times. Memory & Cognition, 1996, 24, 477-492.
- Rayner, K., & Raney, G.E. Eye movement control in reading and visual search: Effects of word frequency. Psychonomic Bulletin & Review, 1996, 3, 245-248.
- Reichle, E., Pollatsek, A., Fisher, D.L., & Rayner, K. A model of eye movements in reading. Journal of Mathematical Psychology, 40, 348.
- Rayner, K. What we can learn about reading processes from eye movements. In C. H. Chase, G.D. Rosen, & G.F. Sherman (Eds.), Developmental Dyslexia: Neural, Cognitive, and Genetic Mechanisms. 1996, York Press: Baltimore.
- Rayner, K., & Well, A.D. Effects of contextual constraint on eye movements in reading: A further examination. Psychonomic Bulletin & Review, 1996, 3, 504-509.

1997

- Rayner, K., & Pollatsek, A. Eye movements, the eye-hand span, and the perceptual span during sightreading music. Current Directions in Psychological Science, 1997, 6, 49-53.
- Truitt, F.E., Clifton, C., Pollatsek, A., & Rayner, K. The perceptual span and the eye-hand span in sight reading music. Visual Cognition, 1997, 4, 143-161.
- Birch, S., & Rayner, K. Linguistic focus affects eye movements during reading. Memory & Cognition, 1997, 25, 653-660.
- O'Brien, E., Raney, G.E., Albrecht, J.E., & Rayner, K. Processes involved in the resolution of explicit anaphors. Discourse Processes, 1997, 23, 1-24.
- Rayner, K. Understanding eye movements in reading. Scientific Studies of Reading, 1997, 1, 317-339.

1998

- Rayner, K. Eye movements in reading and information processing: Twenty years of research. Psychological Bulletin, 1998, 124, 372-422.
- Rayner, K., Pollatsek, A., & Binder, K.S. Phonological codes and eye movements in reading. Journal of Experimental Psychology: Learning, Memory, and Cognition, 1998, 24, 476-497.
- Rayner, K., Fischer, M.H., & Pollatsek, A. Unspaced text interferes with both word identification and eye movement control. Vision Research, 1998, 38, 1129-1144.
- Binder, K.S., & Rayner, K. Contextual strength does not modulate the subordinate bias effect: Evidence from eye fixations and self-paced reading. Psychonomic Bulletin & Review, 1998, 5, 271-276.
- Schilling, H.E.H., Rayner, K., & Chumbley, J.I. Comparing naming, lexical decision, and eye fixation times: Word frequency effects and individual differences. Memory & Cognition, 1998, 26, 1270-1281.
- Sereno, S.C., Rayner, K., & Posner, M.I. Establishing a time-line of word recognition: Evidence from eye movements and event-related potentials. NeuroReport, 1998, 9, 2195-2200.

- Rayner, K., Reichle, E.D., & Pollatsek, A. (1998). Eye movement control in reading: An overview and a model. In G. Underwood (Ed), Eye guidance in reading and scene perception. Oxford: Elsevier, pp 243-268.
- Pollatsek, A., & Rayner, K. Behavioral experimentation. In W. Bechtel & G. Graham (Eds), A companion to cognitive science. Blackwell Publishers, pp 352-370.
- Reichle, E., Pollatsek, A., Fisher, D.L., & Rayner, K. Toward a model of eye movement control in reading. Psychological Review, 1998, 105, 125-157.

1999

- Lee, Y., Binder, K.S., Kim, J., Pollatsek, A., & Rayner, K. Activation of phonological codes during eye fixations in reading. Journal of Experimental Psychology: Human Perception and Performance, 1999, 25, 948-964.
- Binder, K.S., Pollatsek, A., & Rayner, K. Extraction of information to the left of the fixated word in reading. Journal of Experimental Psychology: Human Perception and Performance, 1999, 25, 1162-1172.
- Binder, K.S., & Rayner, K. Does contextual strength modulate the subordinate bias effect? A reply to Kellas and Vu. Psychonomic Bulletin & Review, 1999, 6, 518-522.
- Frazier, L., Pacht, J.M., & Rayner, K. Taking on semantic commitments, II: Collective versus distributive readings. Cognition, 1999, 70, 87-104.
- Pollatsek, A., Rayner, K., Fischer, M.H., & Reichle, E.D. Attention and eye movements in reading. In J.Everatt (ed), Reading and dyslexia: Visual and attentional processes (pp 179-209). London: Routledge, 1999.
- Jared, D., Levy, B.A., & Rayner, K. The role of phonology in the activation of word meanings during reading: Evidence from proofreading and eye movements. Journal of Experimental Psychology: General, 1999, 128, 219-264.
- Reichle, E.D., Rayner, K., & Pollatsek, A. Eye movement control in reading: Accounting for initial fixation locations and refixations with the E-Z Reader model. Vision Research, 1999, 39, 4403-4411.
- Pollatsek, A., & Rayner, K. Is covert attention really unnecessary? Behavioral and Brain Sciences, 1999, 22, 695-696.
- Deutsch, A., & Rayner, K. Initial fixation location effects in reading Hebrew words. Language and Cognitive Processes, 1999, 14, 393-421.
- Rayner, K., Binder, K.S., & Duffy, S.A. Contextual strength and the subordinate bias effect: Comment on Martin, Vu, Kellas, and Metcalf. Quarterly Journal of Experimental Psychology, 1999, 52, 841-852.
- Rayner, K. What have we learned about eye movements during reading? In R. Klein and P. McMullen (Eds.), Converging methods for understanding reading and dyslexia (pp 23-56). MIT Press, 1999.
- Lee, H., Rayner, K., & Pollatsek, A. The time course of phonological, semantic, and orthographic coding in reading: Evidence from the fast priming technique. Psychonomic Bulletin & Review, 1999, 6, 624-634.

2000

- Sereno, S.C., & Rayner, K. Spelling-sound regularity effects on eye fixations in reading. Perception & Psychophysics, 2000, 62, 402-409.

- Wiley, J., & Rayner, K. Effects of titles on processing text and ambiguous words: Evidence from eye movements. Memory & Cognition, *28*, 1011-1021.
- Bertera, J.H., & Rayner, K. Eye movements and the span of effective vision in visual search. Perception & Psychophysics, 2000, *62*, 576-585.
- Rayner, K., Kambe, G., & Duffy, S.A. Clause wrap-up effects on eye movements during reading. Quarterly Journal of Experimental Psychology, *53*, 1061-1080.
- Sereno, S.C., & Rayner, K. The when and where of reading in the brain. Brain and Language, 2000, *42*, 78-81.
- Pollatsek, A., Tan, L.H., & Rayner, K. The role of phonological codes in integrating information across saccadic eye movements in Chinese character identification. Journal of Experimental Psychology: Human Perception and Performance, 2000, *26*, 607-633.
- Deutsch, A., Frost, R., Pollatsek, A., & Rayner, K. Early morphological effects in word recognition in Hebrew: Evidence from parafoveal preview benefit. Language and Cognitive Processes, 2000, *15*, 487-506.
- Niswander, E., Pollatsek, A., & Rayner, K. The processing of derived and suffixed words during reading. Language and Cognitive Processes, 2000, *15*, 389-420.
- Pollatsek, A., Rayner, K., & Lee, H. Encoding printed words crucially depends on phonological coding. In A. Kennedy, R. Radach, D. Heller, & J. Pynte (Eds), Reading as a perceptual process. Oxford: Elsevier.
- Rayner, K., Reichle, E.D., & Pollatsek, A. Accounting for landing positions and refixations in the E-Z Reader model. In A. Kennedy, R. Radach, D. Heller, & J. Pynte (Eds), Reading as a perceptual process. Oxford: Elsevier.

2001

- Rayner, K., Foorman, B.F., Perfetti, C.A., Pesetsky, D., & Seidenberg, M.S. How psychological science informs the teaching of reading. Psychological Science in the Public Interest, 2001, *2*, 31-74.
- Rayner, K., Rotello, C.M., Stewart, A., Keir, J., & Duffy, S.A. Eye movements when looking at advertisements. Journal of Experimental Psychology: Applied, 2001, *7*, 219-226.
- Rayner, K., Binder, K.S., Ashby, J., & Pollatsek, A. Eye movement control in reading: Word predictability has little influence on initial landing positions in words. Vision Research, 2001, *41*, 943-954
- Starr, M.S., & Rayner, K. Eye movements during reading: Some current controversies. Trends in Cognitive Science, 2001, *5*, 156-163.
- Lee, H., Rayner, K., & Pollatsek, A. The relative contribution of consonants and vowels to word identification in reading. Journal of Memory and Language, 2001, *44*, 189-205.
- Binder, K.S., Duffy, S.A., & Rayner, K. The effects of thematic fit and discourse context on syntactic ambiguity resolution. Journal of Memory and Language, 2001, *44*, 297-324.
- Kambe, G., Rayner, K., & Duffy, S.A. Global context effects on processing lexically ambiguous words: Evidence from eye fixation. Memory & Cognition, 2001, *29*, 363-372.
- Altarriba, J., Kambe, G., Pollatsek, A., & Rayner, K. Semantic codes are not used in integrating information across eye fixations in reading: Evidence from fluent Spanish-English bilinguals. Perception & Psychophysics, 2001, *63*, 875-890.
- Duffy, S.A., Kambe, G., & Rayner, K. The effects of prior disambiguating context on the comprehension of ambiguous words: Evidence from eye movements. In D. Gorfein (Ed), On the consequences of meaning selection (pages 27-44), 2001. APA Books
- Greene, H.H., & Rayner, K. Eye movement control in direction-coded visual search. Perception, *30*,

2001, 147-157.

Greene, H.H., & Rayner, K. Eye movements and familiarity effects in visual search. Vision Research, 2001, 41, 3763-3773.

Pollatsek, A., & Rayner, K. The information that is combined across fixations may be different for static and moving objects. Belgian Journal of Psychology, 2001, 41, 75-87.

2002

Rayner, K., Foorman, B.F., Perfetti, C.A., Pesetsky, D., & Seidenberg, M.S. How should reading be taught? Scientific American, 2002, 286(3), 84-91.

Rayner, K., & Clifton, C. Language processing. In H. Pashler & D. Medin (Ed), Stevens Handbook of Experimental Psychology, Third Edition, Volume 2 (pages 261-316), 2002. New York, Wiley and Sons.

Rayner, K. Eye movements in reading. In N.J. Smelser & P.B. Baltes (Ed), International Encyclopedia of the Social and Behavioral Sciences (pg 1677-1680), 2002, Pergamon Press.

Reichle, E.D., & Rayner, K. Cognitive processing and models of reading. In G. Hung & K. Ciuffreda (Eds.), Models of the visual system (pages 564-604), 2002. Dordrecht: Kluwer Academic Publishers.

Starr, M.S., Kambe, G., Miller, B., & Rayner, K. Cognitive processes and eye movements during reading. In E. Witruk, A.D. Friederici, & T. Lachmann (Eds), Basic functions of language and language disorders (pages 121-136), 2002. Dordrecht: Kluwer Academic Publishers.

Starr, M.S., & Rayner, K. Methodologies of studying language comprehension. Encyclopedia of Cognitive Science (pages 166-184), 2002. McMillan Publishing.

Lee, H., Rayner, K., & Pollatsek, A.. The processing of consonants and vowels in reading: Evidence from the fast priming paradigm. Psychonomic Bulletin & Review, 2002, 9, 766-772.

2003

Rayner, K., Livversedge, S.P., White, S.J., & Vergilino-Perez, D. Reading disappearing text: Cognitive control of eye movements. Psychological Science, 2003, 14, 385-389.

Rayner, K., Juhasz, B.J., Ashby, J. & Clifton, C. Inhibition of saccade return in reading. Vision Research, 2003, 43, 1027-1034.

Rayner, K., Pollatsek, A., & Starr, M.S. Reading. In I.B Weiner (Ed) Handbook of Psychology, Volume 4 (A.F.Healy & R.W. Proctor, Eds) Experimental Psychology (pp 549-574). Wiley

Rayner, K., & Pollatsek, A. Reading. In A. Kazdin (Ed), Encyclopedia of Psychology. Oxford.

Deutsch, A., Frost, R, Peleg, S., Pollatsek, A., & Rayner, K. Early morphological effects in reading: Evidence from parafoveal preview benefit. Psychonomic Bulletin & Review, 2003, 10, 415-422.

Rayner, K. Eye movements in reading. In N.J. Smelser & P.B. Baltes (Eds), International Encyclopedia of the Social and Behavioral Sciences. Pergamon Press.

Rayner, K., White, S.J., Kambe, G., Miller, B., & Livversedge, S.P. On the processing of meaning from parafoveal vision during eye fixations in reading. In J. Hyona, R.Radach, & H.Deubel (Eds), The mind=s eye: Cognitive and applied aspects of eye movements. Oxford:Elsevier.

Clifton, C., Traxler, M.J., Mohamed, M.T., Williams, R.S., Morris, R.K., & Rayner, K.. The use of thematic role information in parsing: Syntactic processing autonomy revisited. Journal of Memory and Language, 2003, 49, 317-334.

Kambe, G., Duffy, S.A., Clifton, C., & Rayner, K. An eye movement contingent probe paradigm.

Psychonomic Bulletin & Review, 2003, 10, 661-666.

- Reichle, E.D., Rayner, K., & Pollatsek, A. The E-Z Reader model of eye movement control in reading: Comparisons to other models. Behavioral and Brain Sciences, 2003, 26, 445-476
- Rayner, K., Pollatsek, A., & Reichle, E.D. Eye movements in reading: Models and data. Behavioral and Brain Sciences, 2003, 26, 507-526.
- Pollatsek, A., Reichle, E., & Rayner, K. (2003). Modeling eye movements in reading. In J. Hyönä, R. Radach, and H. Deubel (Eds.). *The Mind's Eyes: Cognitive and Applied Aspects of Eye Movement Research* (pp. 361-390). Amsterdam: Elsevier.
- Juhasz, B.J., & Rayner, K. Investigating the effects of a set of intercorrelated variables on eye-fixation durations in reading. Journal of Experimental Psychology: Learning, Memory, and Cognition, 2003, 29, 1312-1318.
- Sereno, S.C., & Rayner, K. Measuring word recognition in reading: eye movements and event-related potentials. Trends in Cognitive Science, 2003, 7, 489-493.

2004

- Rayner, K., & Juhasz, B.J. Eye movements in reading: Old questions and new directions. European Journal of Cognitive Psychology, 2004, 16, 340-352.
- Rayner, K., Ashby, J., Pollatsek, A., & Reichle, E.D. The effects of word frequency and predictability on eye movements in reading: Implications for the E-Z Reader model. Journal of Experimental Psychology: Human Perception and Performance, 2004, 30, 720-732.
- Andrews, S., Miller, B., & Rayner, K. Eye movements and morphological segmentation of compound words: there is a mouse in mousetrap. European Journal of Cognitive Psychology, 2004, 16, 285-311.
- Liversedge, S.P., Rayner, K., White, S.J., Vergilino-Perez, D., Findlay, J.M., & Kentridge, R.W. Eye movements while reading disappearing text: Is there a gap effect in reading? Vision Research, 2004, 44, 1013-1024.
- Warren, T., & Rayner, K. Top-down influences in the interactive alignment model: The power of the situation model. Behavioral and Brain Sciences, 2004, 27, 211.
- Rayner, K., Warren, T., Juhasz, B.J., & Liversedge, S.P. The effect of plausibility on eye movements in reading. Journal of Experimental Psychology: Learning, Memory, and Cognition, 30, 1290-1301.
- Ashby, J., & Rayner, K. Representing syllable information during silent reading: Evidence from eye movements. Language and Cognitive Processes, 2004, 19, 391-426.
- Rayner, K. Eye movements, cognitive processes, and reading. Studies in Psychology and Behavior, 2004, 2, 482-488.
- Rayner, K. Future directions for eye movement research. Studies in Psychology and Behavior, 2004, 2, 489-496.
- Rayner, K., & Liversedge, S.P. (2004). Visual and linguistic processing during eye fixations in reading. In J.M. Henderson and F. Ferreira (Eds), The interface of language, vision, and action: Eye movements and the visual world (pp 59-104). Hove, UK: Psychology Press.

2005

- Rayner, K., & Johnson, R.L. Letter-by-letter acquired dyslexia is due to serial encoding of letters. Psychological Science, 2005, 16, 530-534.

- Rayner, K., Juhasz, B.J., & Pollatsek, A. Eye movements during reading. In M.J. Snowling and C. Hulme (eds), *The Science of Reading: A Handbook* (pp 79-97). Oxford: Blackwell.
- Juhasz, B.J., Inhoff, A.W., & Rayner, K. The role of interword spaces in the processing of English compound words. *Language and Cognitive Processes*, 2005, *20*, 291-316.
- Pollatsek, A., & Rayner, K. Reading. In K. Lamberts and R.L. Goldstone (eds), *The Handbook of Cognition* (pp 276-293). 2005, London: Sage.
- Drieghe, D., Rayner, K., & Pollatsek, A. Eye movements and word skipped during reading revisited. *Journal of Experimental Psychology: Human Perception and Performance*, 2005, *31*, 954-969.
- Chace, K.H., Rayner, K., & Well, A.D. Eye movements and phonological preview benefit: Effects of reading skill. *Canadian Journal of Experimental Psychology*, 2005, *59*, 209-217.
- White, S.J., Rayner, K., & Liversedge, S.P. The influence of parafoveal word length and contextual constraint on fixation durations and word skipping in reading. *Psychonomic Bulletin & Review*, 2005, *12*, 466-471.
- White, S.J., Rayner, K., & Liversedge, S.P. Eye movements and the modulation of parafoveal processing by foveal processing difficulty. *Psychonomic Bulletin & Review*, 2005, *12*, 891-896.
- Ashby, J., Rayner, K., & Clifton, C. Eye movements of highly skilled and average readers: Differential effects of frequency and predictability. *Quarterly Journal of Experimental Psychology*, 2005, *58A*, 1065-1086.
- Frisson, S., Rayner, K., & Pickering, M.J. Effects of contextual predictability and transitional probability on eye movements during reading. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 2005, *31*, 862-877.
- Frazier, L., Clifton, C., Rayner, K. Deevy, P., & Koh, S. Interface problems: Processing sentences in context. *Journal of Psycholinguistic Research*, 2005, *34*, 201-231.
- Lee, H., Kambe, G., Pollatsek, A., & Rayner K. The lack of pseudohomophone priming effects with short durations in reading and naming. *Experimental Psychology*, 2005, *52*, 281-288.
- Christianson, K., Johnson, R.E., & Rayner, K. Letter transpositions within and across morphemes. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 2005, *31*, 1327-1339.
- Rayner, K., Li, X., Juhasz, B.J., & Yan, G. The effect of predictability on the eye movements of Chinese readers. *Psychonomic Bulletin & Review*, 2005, *12*, 1089-1093.

2006

- Rayner, K., Liversedge, S.P., & White, S.J. Eye movements when reading disappearing text: The importance of the word to the right of fixation. *Vision Research*, 2006, *46*, 310-323.
- Rayner, K., White, S.J., Johnson, R.L., & Liversedge, S.P. Reading words with jumbled letters: There's a cost. *Psychological Science*, 2006, *17*, 192-193.
- Rayner, K. Reichle, E.D., Stroud, M.D., Williams, C.W., & Pollatsek, A. The effect of word frequency, word predictability, and font difficulty on the eye movements of young and elderly readers. *Psychology and Aging*, 2006, *21*, 448-465.
- Rayner, K., Chace, K.H., Slattery, T.J., & Ashby, J. (2006). Eye movements as reflections of comprehension processes in reading. *Scientific Studies of Reading*, *10*, 241-255.
- Ashby, J., Treiman, R., Kessler, B., & Rayner, K. Vowel processing in silent reading: Evidence from eye movements. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 2006, *32*, 416-424.
- Pollatsek, A., Reichle, E.D., & Rayner, K. Tests of the E-Z Reader model: Exploring the interface between cognition and eye movements. *Cognitive Psychology*, 2006, *52*, 1-56.

- Reichle, E.D., Pollatsek, A., & Rayner, K. E-Z Reader: A cognitive-control, serial-attention model of eye-movement behavior during reading. Cognitive Systems Research, 2006, 7, 4-22.
- Liversedge, S.P., White, S.J., Findlay, J.M., & Rayner, K. Binocular coordination of eye movements during reading. Vision Research, 2006, 46, 2363-2374.
- Hirotoni, M., Frazier, L., & Rayner, K. Punctuation and intonation effects on clause and sentence wrap-up: Evidence from eye movements. Journal of Memory and Language, 2006, 54, 425-443.
- Frazier, L., Carminatti, M.N., Cook, A.E., Majewski, H., & Rayner, K. Semantic evaluation of syntactic structure: Evidence from eye movements. Cognition, 2006, 99, B53-B62.
- Miller, B., Juhasz, B.J., & Rayner, K. The orthographic uniqueness point and eye movements during reading. British Journal of Psychology, 2006, 97, 191-216.
- Yan, G., Tian, H., Bai, X., & Rayner, K. The effect of word and character frequency on the eye movements of Chinese readers. British Journal of Psychology, 2006, 97, 259-268.
- Juhasz, B.J., & Rayner, K. The role of age-of-acquisition and word frequency in reading: Evidence from eye fixation durations. Visual Cognition, 2006, 13, 846-863.
- Sereno, S.C., O'Donnell, P.J., & Rayner, K. Eye movements and lexical ambiguity resolution: Investigating the subordinate-bias effect. Journal of Experimental Psychology: Human Perception and Performance, 2006, 32, 335-350.
- Williams, C.C., Perea, M., Pollatsek, A., & Rayner, K. Previewing the neighborhood: The role of orthographic neighbors as parafoveal previews in reading. Journal of Experimental Psychology: Human Perception and Performance, 2006, 32, 1072-1082.
- Blythe, H.I., Liversedge, S.P., Joseph, H.S.S.L., White, S.J., Findlay, J.M., & Rayner, K. The binocular coordination of eye movements during reading in children and adults. Vision Research, 2006, 46, 3898-3908.
- Juhasz, B.J., Liversedge, S.P., White, S.J., & Rayner, K. Binocular coordination of the eyes during reading: Word frequency and case alternation affect fixation duration but not fixation disparity. The Quarterly Journal of Experimental Psychology, 2006, 59, 1614-1625.
- Reingold, E.M., & Rayner, K. Examining the word identification stages hypothesized by the E-Z Reader model. Psychological Science, 2006, 17, 742-746.
- Liversedge, S.P., Rayner, K., White, S.J., Findlay, J.M., & McSorley, E. Binocular coordination of the eyes during reading. Current Biology, 2006, 16, 1726-1729.
- Rayner, K., Cook, A.E., Juhasz, B.J., & Frazier, L. Immediate disambiguation of lexically ambiguous words during reading: Evidence from eye movements. British Journal of Psychology, 2006, 97, 467-482.
- Rayner, K., & Juhasz, B.J. Reading processes in adults. In K. Brown (Ed), Encyclopedia of Language & Linguistics. Second Edition, volume 10, pp. 373-378. Oxford: Elsevier.
- Pollatsek, A., Reichle, E.D., & Rayner, K. Serial processing is consistent with the time course of linguistic information extraction from consecutive words during eye fixations in reading: A Response to Inhoff, Eiter, and Radach (2005). Journal of Experimental Psychology: Human Perception and Performance, 2006, 32, 1485-1489.
- Pollatsek, A., Reichle, E.D., & Rayner, K. Attention to one word at a time is still a viable hypothesis: Rejoinder to Inhoff, Radach, and Eiter. Journal of Experimental Psychology: Human Perception and Performance, 2006, 32, 1496-1500.
- Slattery, T.J., Pollatsek, A., & Rayner, K. The time course of phonological and orthographic processing of acronyms in reading: Evidence from eye movements. Psychonomic Bulletin & Review, 2006, 13, 412-417.
- Rayner, K., Reichle, E.D., & Pollatsek, A. (2006). Cognitive processes in reading: The E-Z Reader

model of eye movement control. In S. Andrews (Ed). From inkmarks to ideas: Current issues in lexical processing (pp. 122-148). New York: Psychology Press.

Rayner, K., & Pollatsek, A. (2006). Eye movement control in reading. In M. Gernsbacher and M. Traxler (Eds), The Handbook of Psycholinguistics (pp 613-658). Elsevier.

2007

- Rayner, K., Juhasz, B.J., & Brown, S. Do readers acquire preview benefit from word n+2? A test of serial attention shift versus distributed lexical processing models of eye movement control in reading. Journal of Experimental Psychology: Human Perception and Performance, 2007, 33, 230-245
- Johnson, R.L., Perea, M., & Rayner, K. Transposed letter effects in reading: Evidence from eye movements and parafoveal preview benefit. Journal of Experimental Psychology: Human Performance and Perception, 2007, 33, 209-229.
- Johnson, R.L., & Rayner, K. Top-down and bottom-up effects in pure alexia: Evidence from eye movements. Neuropsychologia, 2007, 45, 2246-2257.
- Slattery, T.J., Pollatsek, A., & Rayner, K. The effect of the frequencies of three consecutive words on eye movements during reading. Memory & Cognition, 2007, 35, 1283-1292.
- Li, X., Rayner, K., Williams, C.C., Cave, K.R., & Well, A.D. Eye movements and individual differences. Visual Cognition, 2007, 15, 105-108.
- Rayner, K., & Pollatsek, A. Eye-movement control in reading. In M.J. Traxler and M.A. Gernsbacher (Eds), Handbook of Psycholinguistics, 2nd Edition (pp 613-658). London: Academic Press.
- Rayner, K., Pollatsek, A., Drieghe, D., Slattery, T. J., & Reichle, E.D. (2007). Tracking the mind during reading via eye movements: Comments on Kliegl, Nuthmann, and Engbert (2006). Journal of Experimental Psychology: General, 2007, 136, 520-529.
- Staub, A., & Rayner, K. Eye movements and on-line comprehension processes. In: G. Gaskell (Ed.), The Oxford Handbook of Psycholinguistics (pp. 327-342). Oxford, UK: Oxford University Press.
- Staub, A., Rayner, K., Pollatsek, A., Hyona, J., & Majewski, H. The time course of plausibility effects on eye movements during reading. Journal of Experimental Psychology: Learning, Memory, and Cognition, 2007, 33, 1162-1169.
- Patterson, K., Liversedge, S.P., Filik, R., White, S.J., Juhasz, B.J., & Rayner, K. Focus identification during sentence comprehension: Evidence from eye movements. Quarterly Journal of Experimental Psychology, 60, 1423-1445.
- Clifton, C., Staub, A., & Rayner, K. Eye movements in reading words and sentences. In R. van Gompel, M.H. Fischer, W.S. Murray, and R.L. Hill (Eds). Eye movements: A window on mind and brain (pp 341-372). Elsevier.
- Reichle, E.D., Pollatsek, A., & Rayner, K. Modeling the effects of lexical ambiguity on eye movements during reading. In R. van Gompel, M.H. Fischer, W.S. Murray, and R.L. Hill (Eds). Eye movements: A window on mind and brain (pp 271-292). Elsevier.
- Rayner, K., & Castelano, M.S. Eye movements during reading, scene perception, visual search, and while looking at print advertisements. In M. Wedel and R. Pieters (Eds), Visual Marketing: From Attention to Action (pp. 9-42). New York: Erlbaum.
- Rayner, K., Li, X., Williams, C.C., Cave, K.R., & Well, A.D. Eye movements during information processing tasks: Individual differences and cultural effects. Vision Research, 47, 2714-2726.
- Rayner, K., Li, X., & Pollatsek, A. Extending the E-Z Reader model of eye movement control to Chinese readers. Cognitive Science, 31, 1021-1034.

- Rayner, K., Miller, B., & Rotello, C.M. Eye movements when looking at print advertisements: The goal of the viewer matters. Applied Cognitive Psychology,
- Drieghe, D., Rayner, K., & Pollatsek, A. Mislocated fixations can account for parafoveal-on-foveal effects in eye movements during reading. Quarterly Journal of Experimental Psychology,
- Pollatsek, A., & Rayner, K. Reading. In L. Squire et al. (Eds), *The New Encyclopedia of Neuroscience*, Elsevier, 2008.
- Bai, X, Yan, G., Liversedge, S.P., Zang, C., & Rayner, K. Reading spaced and unspaced Chinese text: Evidence from eye movements. Journal of Experimental Psychology: Human Perception and Performance,
- White, S.J., Johnson, R.L., Liversedge, S.P., & Rayner, K. Eye movements when reading transposed text: The importance of word beginning letters. Journal of Experimental Psychology: Human Perception and Performance.
- Pollatsek, A., Juhasz, B.J., Reichle, E.D., Machacek, D., & Rayner, K. Immediate and delayed effects of word frequency and word length on eye movements during reading: A reversed delayed effect of word length. Journal of Experimental Psychology: Human Perception and Performance.
- Juhasz, B.J., White, S.J., Liversedge, S.P., & Rayner, K. Eye movements and the use of parafoveal word length information in reading. Journal of Experimental Psychology: Human Perception and Performance.
- Joseph, H.S.S.L., Liversedge, S.P., Blythe, H.I., White, S.J., Gathercole, S.E., & Rayner, K. (2008). Children's and adults' processing of implausibility during reading. Quarterly Journal of Experimental Psychology, in press.
- Angele, B., Slattery, T.J., Yang, J., Kliegl, R., & Rayner, K. Parafoveal processing in reading: Manipulating n+1 and n+2 previews simultaneously. Visual Cognition.

Invited Major Addresses:

- Keynote address to the Dutch Psychonomics Society, 1987
- Invited address to Apple Computer in-house conference, 1988
- Distinguished Faculty Lecture Series, University of Massachusetts, 1991
- Invited address to Division 3, American Psychological Association, 1992
- Keynote address, 7th European Conference on Eye Movements, Durham, UK, 1993
- Invited address at the National Academy of Sciences, 1993
- Invited address at BASICS, Banff, Canada, 1994
- Invited address at Reading 2000, Glasgow University, 1995
- Invited address to the Scientific Study of Reading, 1996
- Invited Lecturer, European Cognitive Psychology Summer School, 1997
- Vision Sciences Inaugural Lecture, SUNY College of Optometry, 1998
- Invited Address, American Psychological Association, 1999
- Keynote address, AMLAP meeting, Edinburgh, 1999
- Invited Address, Brain and Language, Wundt celebration, Leipzig, 1999
- Leverhulme Lecture Series, University of Durham, 2001-2002
- Keynote Address, China International Conference on Eye Movements, Tianjin, 2004
- Keynote Address, ETRA Workshop on Computer Vision, San Antonio, 2004

Keynote Address, Spanish Psycholinguistics, Valencia, April, 2005
Keynote Address, Visual Advertising, University of Michigan Business School, June 2005
Bartlett Lecture, Experimental Psychology Society, Edinburgh, July 2007
Keynote Address, 14th European Conference on Eye Movements, Potsdam, August 2008

Workshops:

Eye Movement Workshop Presented at:
Cognitive Science Society, Boston, 2003
China Conference on Eye Movements, Tianjin, China, 2004
Canadian Language and Literacy Network, Toronto, Canada, 2005
Processing Asian Languages, Hong Kong, 2005
Cognitive Science Society, Vancouver, 2006
Center for Brain and Mind, McGill University, 2007

Papers:

1972

McConkie, G. W., Rayner, K., & Wilson, S. J. Experimental manipulation of reading strategies.
Presented at the American Educational Research Association, Chicago, April, 1972.

1973

McConkie, G. W., & Rayner, K. Identifying the effective stimulus during a fixation. Presented at the
American Educational Research Association, New Orleans, February, 1973.
Rayner, K., & McConkie, G. W. A computer technique for identifying the perceptual span in reading.
Presented at the Eastern Psychological Association, Washington, DC, May, 1973.

1974

Rayner, K., & McConkie, G. W. The perceptual span in reading. Presented at the American
Educational Research Association Meetings, Chicago, April, 1974.

1975

McConkie, G. W., & Rayner, K. Asymmetry of the perceptual span in reading. Presented at the
American Educational Research Association Meetings, Washington, DC, April, 1975.
Rayner, K., & Posnansky, C. J. Recognition processes in sentence memory. Presented at the Meetings
of the Rocky Mountain Psychological Association, Salt Lake City, April, 1975.

1976

Rayner, K. Parafoveal cues in word recognition and reading. Presented at American Educational
Research Association Meetings, San Francisco, April, 1976.
Rayner, K. On the integration of information over successive fixations in reading. Presented at the
International Congress of Psychology, Paris, France, July, 1976.

1977

- Rayner, K. Eye movements and reading. Presented at the 2nd Annual Interdisciplinary Conference, Jackson Hole, Wyoming, January, 1977.
- Rayner, K., McConkie, G. W., & Ehrlich, S. Parafoveal facilitation of naming foveally presented words. Meetings of the Psychonomic Society, Washington, DC, 1977.
- Ehrlich, S., & Rayner, K. A study in apperception revisited. Presented at the American Educational Research Association Meetings, New York, April, 1977.

1978

- Rayner, K. Integrating information across fixation. Presented at the Canadian Psychological Association meetings, Ottawa, June, 1978.
- Rayner, K. Eye movements and cognitive psychology. Presented at the National Conference on the Use of On-line Computers in Psychology, San Antonio, 1978.
- Posnansky, C. J., & Rayner, K. Interaction of semantic and visual information in word identification. Presented at the American Educational Research Association, Toronto, April, 1978.

1979

- Rayner, K., Inhoff, A. W., Morrison, R. E., Slowiaczek, M. L., & Bertera, J. H. Masking of foveal and parafoveal vision during eye fixations in reading. Presented at the meetings of the Psychonomic Society, Phoenix, 1979.

1980

- Rayner, K. Eye movement control in reading. Conference on Eye Movement Control, Pasadena, California, 1980.
- Rayner, K. Eye movement control during reading. Presented at the meetings of the Psychonomic Society, St. Louis, 1980.
- Pollatsek, A., Bolozky, S., Well, A. D., & Rayner, K. Asymmetries in the perceptual span of Israeli readers. Presented at the meetings of the Psychonomic Society, St. Louis, 1980.

1981

- Rayner, K. Effects of context on eye movements during reading. Presented at the 6th Annual Interdisciplinary Conference, Park City, Utah, 1981.
- Pollatsek, A., Rayner, K., & Collins, W. F. Parafoveal processing of pictures. Presented at the Psychonomic Society meetings, Philadelphia, 1981.

1982

- Rayner, K. Visual selection and information processing. Presented at Attention and Performance Meetings, Venlo, Netherlands, 1982.
- Balota, D. A., & Rayner, K. Parafoveal visual information and semantic contextual constraints. Presented at the Psychonomic Society Meetings, Minneapolis, 1982.

1983

- Rayner, K. Eye movements and dyslexia. Presented at International Congress on Dyslexia, Halkidiki, Greece, 1983.
- Rayner, K. Eye movements as reflections of cognitive processes. Presented at the American Psychological Association Meetings, Anaheim, 1983.
- Frazier, L., & Rayner, K. Resolution of syntactic category ambiguities. Presented at the Linguistic Society of America Meetings, Minneapolis, 1983.
- Inhoff, A. W., Lima, S., & Rayner, K. Parafoveal information in reading. Presented at the Psychonomic Society, San Diego, 1983.
- Schustack, M., Ehrlich, S., & Rayner, K. Separating mechanisms of local and global contextual effects in reading. Presented at the Psychonomic Society Meetings, San Diego, 1983.

1985

- Rayner, K. Eye movements and the perceptual span in beginning and skilled readers. Presented at the Experimental Psychology Society Meetings, Cambridge, England, 1985.
- Rayner, K., & Duffy, S. A. Eye movements and lexical ambiguity. Presented at the European Conference on Eye Movements, Paris, France, 1985.
- Rayner, K., & Fisher, D. H. Eye movements and the perceptual span in visual search. Presented at the European Conference on Eye Movements, Paris, France, 1985.

1986

- Rayner, K. Parafoveal preview and lexical access. Presented at the Lexical Representations Conference at the dedication of the new Max Planck Institute building, Nijmegen, The Netherlands, 1986.
- Rayner, K., & Pollatsek, A. Eye movements in reading: A tutorial review. Presented at Attention and Performance 12, Windsor, England, 1986.
- Henderson, J. M., Pollatsek, A., & Rayner, K. Non-schema context effects on object identification. Presented at the Psychonomic Society Meetings, New Orleans, 1986.

1987

- Morris, R. K., Rayner, K., & Pollatsek, A. Eye movement control in reading: The role of parafoveal information. Presented at the annual meeting of the Psychonomic Society, Seattle, November, 1987.
- Pollatsek, A., Henderson, J., Boyce, S. J., & Rayner, K. The role of attention and context in picture perception. Presented at the Psychonomic Society meetings, Seattle, 1987.
- Frazier, L., & Rayner, K. Taking on semantic commitments. Presented at the Linguistic Society of America meetings, San Francisco, 1987.

1988

- Rayner, K., Duffy, S. A., & Morris, R. K. Lexical ambiguity and fixation times in reading. Presented at the meeting of the Experimental Psychology Society, London, January, 1988.
- Rayner, K. Eye movements and the perceptual span in beginning and dyslexic readers. Presented at the Rodin Foundation conference, Stockholm, Sweden, 1988.

Blanchard, H., Pollatsek, A., & Rayner, K. The acquisition of parafoveal word information in reading. Presented at the Midwestern Psychological Association meetings, Chicago, 1988.

1989

- Sereno, S. C., & Rayner, K. First fixations in refixated words: Why are they shorter? Presented at the Midwestern Psychological Association meetings, Chicago, May, 1989.
- Morris, R. K., Rayner, K., & Pollatsek, A. Eye guidance in reading: The use of parafoveal information. Presented at the Midwestern Psychological Association, Chicago, May, 1989.
- Pollatsek, A., Lesch, M., Morris, R., & Rayner, K. Sound coding in integration of information across saccades. Presented at the Psychonomic Society meetings, Atlanta, November, 1989.

1990

- Sereno, S. C., & Rayner, K. Fast priming during eye fixations in reading. Presented at the Midwestern Psychological Association Meetings, Chicago, May, 1990 and at the Psychonomics Society Meetings, New Orleans, November, 1990.
- Rayner, K. Eye movements and scene perception. Invited speaker at the Louvain Scene Perception Conference, September, 1990.
- Morris, R. K., Rayner, K., & Pollatsek, A. Semantic context effects on fixation time in reading. Presented at the Psychonomics Society Meetings, New Orleans, November, 1990.
- Perfetti, C. A., Britt, A., Rayner, K., & Garrod, S. Parsing in discourse: Contextual influences and their limit. Presented at the Psychonomics Society, New Orleans, November, 1990.

1991

- Rayner, K., Pacht, J.M., Sereno, S.C., & Duffy, S.A. Lexical ambiguity and eye fixations: Frequency and familiarity effects. Presented at the Psychonomics Society, November, 1991
- Raney, G.E., & Rayner, K. The effect of word frequency during two readings of a text. Presented at the Psychonomic Society Meetings, November, 1991.
- Altarriba, J., Kroll, J.K., Rayner, K., & Sholl, A. Reading Spanish words in English sentences. Presented at the Psychonomic Society Meetings, November, 1991.
- Pollatsek, A., LaGasse, L., Raney, G.E., & Rayner, K. The effect on reading of information below the line. Presented at the Psychonomic Society Meetings, November, 1991.

1992

- Rayner, K. What eye movements can tell us about reading. Invited address at a conference on The Extra-ordinary Brain, Sante Fe, New Mexico, May, 1992.
- Raney, G.E., & Rayner, K. Event-related potentials, eye movements, and reading. Presented at the American Psychological Society Meetings, San Diego, June 1992.

1993

- Rayner, K. Recent developments in eye movement and reading research. Presented at the Eastern Psychological Association meetings, Washington, DC, May, 1993

Rayner, K. Eye movements and lexical ambiguity resolution. Presented at the Glasgow Language Processing Conference, Glasgow, August, 1993.

1994

Birch, S.L., & Rayner, K. Effects of linguistic focus on eye movements during reading. Presented at the Psychonomic Society Meetings, St. Louis, November, 1994.

Deutsch, A., & Rayner, K. Eye movements and syntactic anomaly. Presented at the Psychonomic Society Meetings, St. Louis, November, 1994.

1995

Reichle, E.D., Pollatsek, A., Fisher, D.L., & Rayner, K. Toward a model of eye movements in reading. Presented at the Psychonomic Society Meetings, Los Angeles, November, 1995.

Fischer, M.F., Rayner, K., & Pollatsek, A. Attention and eye movements in reading. Presented at the 8th European Eye Movement Conference, Derby, England.

Deutsch, A., & Rayner, K. Eye movements and semantic anomaly. Presented at the 8th European Eye Movement Conference, Derby, England.

1996

Pollatsek, A., Binder, K.S., Perea, M., & Rayner, K. Delayed lexical effects in reading. Presented at the Psychonomic Society Meetings, Chicago, November, 1996.

Binder, K.S., Duffy, S.A., & Rayner, K. Effect of context on syntactic ambiguity resolution. Presented at the Psychonomic Society Meetings, Chicago, November, 1996.

1997

Fischer, M., Pollatsek, A., & Rayner, K. The relationship between attention and eye movements in visual search. Presented at the European Perception Conference, Helsinki, Finland, Aug, 1997.

Wiley, J., & Rayner, K. The effect of titles on processing ambiguous words. Presented at the Psychonomic Society Meetings, Philadelphia, November, 1997.

1998

Rayner, K., Reichle, E.D., & Pollatsek, A. Eye movement control in reading: Updating the E-Z Reader model. Presented at the 5th Annual European Workshop in Language Comprehension. Luminy, France. April, 1998

Pollatsek, A., Rayner, K., & Lee, H. Phonological coding in word perception and reading. Presented at the 5th annual European Workshop on Language Comprehension. Luminy, France, April 1998

1999

Rayner, K. Eye movements and cognitive processes in reading. Invited Address at APA, Boston, August, 1999

Rayner, K. Eye movements in reading, scene perception, and visual search. Invited Address at the Experimental Psychology Society meetings, Durham, UK, July, 1999

Lee, H., Rayner, K., & Pollatsek, A. The relative contribution of consonants and vowels in reading. Presented at the Psychonomics Society, Los Angeles, 1999

2000

Rayner, K. Eye movements in scene perception and visual search. Presented at the International Congress of Psychology, Stockholm, Sweden, 2000.

Pollatsek, A., & Rayner, K. Simple rotary motion is integrated across saccades. Presented at the International Congress of Psychology, Stockholm, Sweden, 2000

Kambe, G., & Rayner, K. Local and global context effects on processing ambiguous words. Presented at MPA, Chicago, May, 2000.

2001

Rayner, K. On the process of lexical ambiguity resolution in reading. Presented at the European Society for Cognitive Psychology, Edinburgh, Scotland, 2001

Rayner, K. On processing meaning from parafoveal words in reading. Presented at the European Society for Cognitive Psychology, Edinburgh, Scotland, 2001

Juhasz, B. & Rayner, K. Age of acquisition effects on eye movements in reading. Presented at the European Conference on Eye Movements, Turku, Finland, 2001

Ashby, J., Rayner, K., & Pollatsek, A. The effect of frequency and predictability on eye movement control. Presented at the European Conference on Eye Movements, Turku, Finland, 2001

Ashby, J., & Rayner, K. Eye movements and reading skill. Presented at the Society for the Scientific Study of Reading, Denver, 2001

2002

Rayner, K. Inhibition of saccade return in reading. Presented at the Experimental Psychology Society, Louvain, Belgium, 2002.

Juhasz, B.J., & Rayner, K. The influence of age of acquisition and frequency on eye movements in reading. Presented at the Psychonomic Society Meeting, Kansas City.

Ashby, J., & Rayner, K. The role of syllable structure in word recognition during silent reading. Presented at the Psychonomic Society Meeting, Kansas City

2003*

Rayner, K., Warren, T., & Liversedge, S.P. The effect of plausibility on eye fixations in reading. Presented at the European Conference on Eye Movements. Dundee, Scotland, August.

2004

Rayner, K. How psychological science informs the teaching of reading. British Festival of Science, University of Exeter, September.

2005

Rayner, K., Brown, S., & Juhasz, B.J. Do reader's obtain preview benefit from word N+1? Invited presentation at the 13th Annual European Conference on Eye Movements (ECEM), Bern, Switzerland, August.

Rayner, K., Stroud, M., & Williams, C.C. The effect of frequency, predictability, and font difficulty on the eye movements of elderly readers. Invited presentation at ECEM, August.

Rayner, K. Eye movements of Chinese readers: Extending the E-Z Reader model. Invited address at the 12th annual conference on the Processing of Asian Languages, Hong Kong, December, 2006

Rayner, K. Eye movements and reading comprehension. Invited presentation at Florida State Reading Center conference, St. Petersburg, Florida, April.

Rayner, K. Issues in language comprehension. Invited presentation at the Cognitive Aging Conference, Atlanta, April.

Rayner, K. Extending the E-Z Reader Model to elderly and Chinese readers. Invited address at the Workshop in modeling eye movements, Potsdam, Germany, June

Rayner, K., & Li, X. Modeling the eye movements of Chinese readers. Invited address at the 2nd Annual China Conference on Eye Movements, Tianjin, June

2007

Rayner, K., Juhasz, B.J., White, S.J., & Liversedge, S.P. Still no morphological preview benefit. Invited address at the Workshop on Morphology, Marseille, June.

Rayner, K. Attention and eye movements in reading, scene perception, and visual search. Bartlett Lecture, Experimental Psychology Society, Edinburgh, July.

Rayner, K. Eye movements in reading: Models and data. Keynote address at the European Conference on Eye Movements, Potsdam, Germany, August.

Rayner, K. Eye movements of Chinese readers. Society of Experimental Psychology Meeting, Storrs, CT, April, 2007.

* As of 2003, only talks that I presented at Conferences are listed; talks that I was co-author on but did not present are not included.

Journal Reviews

Psychological Bulletin, Science, Cognition, Nature, Psychological Review, Cognitive Psychology, Journal of Memory and Language, Brain and Language, Brain and Cognition, Memory and Cognition, Perception & Psychophysics, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Learning, Memory, and Cognition, Journal of Experimental Psychology: Human Perception and Performance, Journal of Experimental Psychology: Animal Behavior Processes, Quarterly Journal of Experimental Psychology, Canadian Journal of Experimental Psychology, British Journal of Psychology, Journal of Experimental Child Psychology, Journal of Speech and Hearing Research, Behavior Research Methods and Instrumentation, Acta Psychologica, Journal of Educational Psychology, Reading Research Quarterly, Perceptual and Motor Skills, Visible Language, Child Development, Neuropsychologia, Developmental Neuropsychology, Behavioral and Brain Sciences, Journal of Mathematical Psychology, Journal of Abnormal Psychology, Perception, Psychological Research, Clinical Visual Science, Vision Research, Investigative Ophthalmology and Vision Science, Brain, Journal of Neuroscience

Colloquium Talks have been presented at the following institutions:

Cornell University (2), Harvard University (2), University of Toronto, University of Virginia, Queen's University, Guelph University, University of Minnesota (2), University of Texas (2), Brigham Young University, University of Massachusetts, University of Rochester (2), Scarborough College, Hampshire College, Trinity College, University of Connecticut, Massachusetts Institute of Technology (2), California Institute of Technology, Yale University, Rutgers University, Oxford University (4), Applied Psychology Unit-Cambridge (2), University of Arizona, Cambridge University, University of Leiden (2), University of Brussels, Max Plank Institute for Psycholinguistics (4), University of Louvan (2), University of Leuven, University of Reading, University of Nottingham (2), University of Durham (3), Developmental Psychology Unit-London, Sussex University (2), University of New Hampshire, Johns Hopkins University (2), New York University, University of Amsterdam (2), Free University of Amsterdam, University of Groningen, University of Nijmegen (2), Netherlands Institute for Advanced Study (2), Aachen Technological Institute, University of Trier, Institute for Perception at Eindhoven, University of Padua (2), University of Trieste, University of Genoa, Haskins Labs, SUNY-Albany, Washington University (2), Florida State University, University of Oklahoma, University of South Carolina, Northeastern University, University of Turku, University of Glasgow (5), Michigan State University (2), Catholic University of Leuven (2), Tufts University, SUNY-Binghamton, University of Paris, SUNY College of Optometry, University of Leipzig, Harvard Medical School, University of Bristol, University of Edinburgh, University of York, University of Sunderland, Aston University, University of Dundee (2), University College London, University of London at Royal Holloway, University of Colorado, University of Utah, Rice University, Tianjin Normal University (2), University of Lisbon, University of Ghent, Ohio State University, University of California, San Diego, Sun-Yat Sen University (China), University of South China, Chinese University of Hong Kong, McGill University (2)

Departmental and University Committees (Including Administration)

Research Committee, University of Rochester, 1976-78
Computer Use Committee, Center for Visual Science, University of Rochester, 1975-78
Search Committee, Center for Visual Science and Psychology, University of Rochester, 1977-78
Departmental Admissions Committee, University of Massachusetts, 1978-80
Research Trust Funds Committee, University of Massachusetts, 1979-80, 1985-87, 1990-91
Steering Committee for the Sloan Cognitive Science Center, University of Massachusetts, 1978-1984
Director, Center for Cognitive Science, University of Massachusetts, 1981-83.
Director, Eyetracking Laboratory, University of Massachusetts, 1978-present
Personnel Committee, Department of Psychology, University of Massachusetts, 1982-84 (Chair, 1983-84), 1988-90 (Chair 1989-90), 1997-99, 2004-2006 (Chair 2005-06)
Search Committee, Department of Psychology, University of Massachusetts, 1979-80, 1981-82 (Chair), 1986-87 (Chair), 1992-93, 1992-93 (Chair), 1994-95 (Chair), 2001-02 (Chair), 2002-03 (Chair), 2004-05 (Chair)
Provost's Committee on Lectures, University of Massachusetts, 1985-87
Area Head (Cognitive Psychology), Department of Psychology, University of Massachusetts, 1986-1987, 1992-94, 1996-98
Division Head (Div 2), Department of Psychology, University of Massachusetts, 1992-94, 96-98
Committee for the Future, Department of Psychology, University of Massachusetts, 1991, 2000

Academic Priorities Council of the Faculty Senate, University of Massachusetts, 1991-94
Faculty Senate, University of Massachusetts, 1993-97.
Human Subjects Committee, Department of Psychology, University of Massachusetts, 2002-2005,
2006-2007 (Chair)