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## CURRICULUM VITAE

William J. Hoyer, Ph.D.

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Syracuse University  
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### EDUCATION

1963-1967 Rutgers College	Major: Psychology (Honors Program) B.A. Minor: Mathematics
1967-1968 West Virginia University	Major: Experimental Psychology. M.A.
1968-1972 West Virginia University	Major: Experimental Psychology. Ph.D. Minor: Life-span Developmental Psychology

### APPOINTMENTS

2015 -	Professor Emeritus of Psychology
1981-2015	Professor of Psychology
1976-1981	Associate Professor
1972-1976	Assistant Professor

### PROFESSIONAL ACTIVITIES

#### Editorial:

Ad hoc reviewer: *Intelligence; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Cognitive Development; Perception & Psychophysics; Memory & Cognition; Psychological Bulletin; Psychological Review; Behavioral Research Methods, and Instrumentation; Developmental Psychology; Psychology and Aging, Quarterly Journal of Experimental Psychology, Emotion.*

Editorial Board, *Developmental Psychology* (1978-1981, 1986-1990)

Associate Editor, *International Journal of Behavioral Geriatrics* (1982-1984)

Editorial Board, *Psychology and Aging* (1985-1989)

Editorial Board, *Comprehensive Gerontology* (1985-1989)

Editorial Board, *Experimental Aging Research* (1986-present)

Editorial Board, *Aging, Neuropsychology, and Cognition* (1993-present)

Editorial Board, *Journal of Adult Development* (1993-present)

Editorial Board, *Journal of Gerontology: Psychological Sciences* (1987-1991; 2000-2010)

Editorial Board, *Journal of Aging Research* (2009-present)

#### Grant Review, Committees:

Member, Study Section (Human Development and Aging 2), Division of Research Grants, National Institutes of Health (1985-1989)

Chair, Human Development and Aging 2 Study Section, National Institutes of Health (1989)

National Driver Safety Panel, Department of Transportation (1990-1991)

Member, MacArthur Foundation Review Panel (1992-1993)

Member, NIH/NIA Applied Gerontology Review Panel (1993, 1998)

Member, NIH/NIA Interventions Review Panel (1996)  
Ad hoc Reviewer, NIMH Behavioral Science Rapid Transition Awards (1994-2006)  
Member, Human Development and Aging 2 Study Section, NIH (1996-1998)  
Ad hoc Member, SNEM2 study section, NIH Center for Scientific Review (1999-2000)  
Member, BBBP4 study section, NIH Center for Scientific Review (2000-2003)  
Chair, ZRG1 SSS-R study section, NIH Center for Scientific Review (2003)  
Chair, BBBP3 special study section, NIH Center for Scientific Review (2006-2007)  
Ad hoc Member, APDA study section, NIH Center for Scientific Review (2009-)

Committees and Appointments in Professional Organizations:

Program Committee, APA Division 20 (1977, 1980, 1982, 1984)  
Program Committee, Gerontological Society of America (1979-1981, 1986, 1989, 2004, 2005, 2009)  
Program Committee, Cognitive Science Society (1991, 1992)  
Program Committee, Association of Gerontologists in Higher Education (1983)  
Program Committee, Jean Piaget Society (1987-1993)  
Program Committee, International Society for the Study of Behavioral Development (1984-1985)  
Program Committee, American Psychological Society (1992, 1993)  
Membership Committee, APA Division 20 (1978-1980)  
Elections Committee, APA Division 20 (1979)  
Executive Committee, APA Division 20 (1980-1983)  
Chair, Interdivisional Relations Committee, APA (1980-1982)  
Chair, Program Committee, APA Division 20 (1983)  
Chair, Membership Committee, APA Division 20 (1981-1982)  
Drafting Committee, APA/APS Human Capital Initiative (1993)  
Chair, Fellowship Committee, APA Division 20 (1993-1995)

Department, College, and University Activities:

Steering Committee, Psychology Department (1979-1992)  
Interim Director, Life-span Developmental Psychology Graduate Training Program (1979-1981)  
University Senate Research Committee (1985-1989)  
Directorate, SU Gerontology Center (1982-1988)  
Steering Committee, Cognitive Science Program (1990-2011)  
Member, Chancellor's advisory panel (1990-1991)  
Director, Experimental Psychology Graduate Training Program (1992-2010)  
Member, Computational Neuroscience Program (1991-2002)  
Member, College of Arts and Sciences Promotion and Tenure Committee (1993-1996)  
Member, SU Senate Appointments, Promotion, and Tenure Committee (1996-1998)  
Member, SU Senate (1998-2001)  
Chair, SU Senate Appointments, Promotion, and Tenure Committee (1998-1999)  
Member, IRB, Office of Research Integrity and Protections (2005-2008)  
Advisory Board, SU Gerontology Center (2005-2010)  
Executive Committee, Department of Psychology (1999-2008)  
Associate Chair for Programs in Psychology (2010-2012)  
Coordinator, Undergraduate programs, Department of Psychology (2010-2012)  
Coordinator, Graduate programs, Department of Psychology (2010- 2012)

Appointments and Training:

Clinical Internship, Weston State Hospital, Weston, WV (1971-1972)  
Associate, All-University Gerontology Center, Syracuse University (1972-1990)

Consultant, Willard Psychiatric Center, Willard, NY (1975-1977)  
Steering Committee, Long-term Care Consortium, Syracuse (1980-1982)  
Adjunct Clinical Professor, SUNY Health Sciences Center, Syracuse (1979-1989)  
Adjunct Research Professor, Department of Ophthalmology, SUNY Health Sciences Center, Syracuse (1986-present)  
Visiting Research Fellow, Max Planck Institute for Human Development and Education, Berlin  
Adjunct Research Psychologist, VA Medical Center, Syracuse (2009-present)  
Faculty Affiliate, Aging Studies Institute, Syracuse University

#### GRANTS AWARDED

Principal Investigator, Structured learning with the elderly. Syracuse University Faculty Research Grant (1977). \$6,000.  
Principal Investigator, Adult age differences in visual search and cognitive functioning. Syracuse University Faculty Research Grant (1979). \$6,000.  
Principal Investigator, Prescriptive skill training for the elderly. State of New York Health Research Council (1979-1980). \$20,000. direct costs.  
Principal Investigator, Aging of the attentional components of cognition. NIH, National Institute on Aging (1980-1986). \$569,320. direct costs.  
Principal Investigator, Aging, skill, and knowledge use. NIH, National Institute on Aging (1986-1995). \$653,651. direct costs.  
Principal Investigator, Conceptions of health and illness: Age and cross-cultural differences. NIH Fogarty Center (1988). \$14,000. direct costs.  
Principal Investigator/Program Director, Training in aging and cognitive neuroscience. NIH, National Institute on Aging (1989-1995). \$385,785. direct costs.  
Principal Investigator, Aging of visual-cognitive mechanisms on a neural network. NIH, National Institute on Aging (1993-1996). \$320,449. direct costs.  
Principal Investigator, Aging of visual-cognitive mechanisms. NIH, National Institute on Aging (1996-2001). \$628,480. direct costs.  
Principal Investigator, Aging of cognitive mechanisms. NIH, National Institute on Aging (2001-2008). \$875,000. direct costs.  
Principal Investigator, Pilot data collection for developing a model of memory aging. Gerontology Center Seed Grant (2009), \$5,000. direct costs.  
Co-Investigator, Consequences of age-related hearing loss for cognitive function: A pilot intervention. Center for Aging and Policy Studies, Gerontology Center Program. NIH/NIA (2009-2014).

#### AWARDS AND CERTIFICATION

Teaching Fellow, National Science Foundation  
Chancellor's Citation for Outstanding Academic Achievement, Syracuse University (1989).  
Licensed Psychologist, State of New York (#005025).  
CITI Collaborative Institutional Training Initiative (June, 2009- 2015)

#### MEMBERSHIPS

American Psychological Association - Divisions 1, 3, & 20 (Fellow in Divisions 3 and 20)  
Association for Psychological Science (Charter Fellow)  
Gerontological Society of America (Fellow)  
Psychonomics Society  
Cognitive Neuroscience Society  
Society for Applied Research in Memory and Cognition

## TEACHING EXPERIENCE

### Undergraduate Instruction:

Psychology of Adult Life and Aging (PSY 337)  
Cognition and Aging (PSY 437)  
Research in Cognitive Neuroscience (PSY 492)  
Service Learning with Older Adults (PSY 200)  
Research Tutorials, Independent Study (PSY 490)

### Graduate Instruction:

Psychology of Adult Development and Aging (PSY 736)  
Cognition and Aging (PSY 737)  
Advanced Experimental Psychology (PSY 612)  
Seminar in the Adult Life-span (various topics)  
Seminar in Experimental Psychology (various topics)

## PUBLICATIONS (peer-reviewed journal articles)

Goulet, L. R., & Hoyer, W. J. (1969). The effects of verbalization on verbal discrimination learning and associative recall in young children and adults. *Journal of Experimental Child Psychology*, 7, 434-439.

Hoyer, W. J. (1973). Application of operant techniques to the modification of elderly behavior. *The Gerontologist*, 13, 18-22.

Hoyer, W. J., Labouvie, G. V., & Baltes, P. B. (1973). Modification of response speed and intellectual performance in the elderly. *Human Development*, 16, 233-242.

Labouvie-Vief, G. V., Hoyer, W. J., Baltes, P. B., & Baltes, M. M. (1974). Operant analyses of intellectual behavior in old age. *Human Development*, 17, 259-272.

Hoyer, W. J., Kafer, R. A., Simpson, S. C., & Hoyer, F. W. (1974). Reinstatement of verbal behavior in elderly mental patients using operant procedures. *The Gerontologist*, 14, 149-152.

Hoyer, W. J. (1974). Aging as intraindividual change. *Developmental Psychology*, 10, 821-826.

Hoyer, W. J., Mishara, B. L., & Riedel, R. G. (1975). Problem behaviors as operants: Applications with elderly individuals. *The Gerontologist*, 15, 452-456.

Bellucci, G., & Hoyer, W. J. (1975). Feedback effects on the performance and self-reinforcing behavior of elderly and young adult women. *Journal of Gerontology*, 30, 456-460.

Abrahams, J. P., Hoyer, W. J., Elias, M. F., & Bradigan, B. (1975). Gerontological research in psychology published in the *Journal of Gerontology*, 1963-1974. *Journal of Gerontology*, 30, 668-673.

Schultz, N. R., Jr., & Hoyer, W. J. (1976). Feedback effects on spatial egocentrism in old age. *Journal of Gerontology*, 31, 72-75.

Rebok, G. W., & Hoyer, W. J. (1977). The functional context of elderly behavior. *The Gerontologist*, 17, 27-34.

Mergler, N. L., Dusek, J. B., & Hoyer, W. J. (1977). Central/incidental recall and selective attention in young and elderly adults. *Experimental Aging Research*, 3, 49-60.

Hoyer, F. W., Hoyer, W. J., Treat, N. W., & Baltes, P. B. (1978). Training response speed in young and elderly women. *International Journal of Aging and Human Development, 9*, 247-253.

Hoyer, W. J., Rebok, G. W., & Sved, S. M. (1979). Effects of varying irrelevant information on adult age differences in problem solving. *Journal of Gerontology, 31*, 72-75.

Rebok, G. W., Hoyer, W. J., & Adams, C. (1979). Dimensional preferences in middle and old age. *Experimental Aging Research, 5*, 251-261.

Farkas, M. S., & Hoyer, W. J. (1980). Processing consequences of perceptual grouping in selective attention. *Journal of Gerontology, 35*, 207-216.

Braungart, M. M., Braungart, R. G., & Hoyer, W. J. (1980). Age, sex, and social factors in fear of crime. *Sociological Focus, 13*, 55-56.

Schultz, N. R., Jr., Hoyer, W. J., & Kaye, D. B. (1980). Trait anxiety, spontaneous flexibility, and intelligence in young and elderly adults. *Journal of Consulting and Clinical Psychology, 48*, 289-291.

Lopez, M. A., Hoyer, W. J., Goldstein, A. P., Gershaw, N. J., & Sprafkin, R. P. (1980). Effects of overlearning and incentive on the acquisition and transfer of interpersonal skills with institutionalized elderly. *Journal of Gerontology, 35*, 403-408.

Schultz, N. R., Jr., Kaye, D. B., & Hoyer, W. J. (1980). Intelligence and spontaneous flexibility in adulthood and old age. *Intelligence, 4*, 219-231.

Hoyer, W. J. (Ed.). (1980). Learning conceptions of human development: A symposium. *Human Development, 23*, 361-399.

Hoyer, W. J. (1980). Information processing, knowledge acquisition and learning. *Human Development, 23*, 389-399.

Mergler, N. L., & Hoyer, W. J. (1980). Effect of training on dimensional classification abilities: Adult age comparisons. *Educational Gerontology, 6*, 135-145.

Plude, D. J., & Hoyer, W. J. (1981). Adult age differences in visual search as a function of stimulus mapping and processing load. *Journal of Gerontology, 36*, 598-604.

Plude, D. J., Hoyer, W. J., & Lazar, J. (1982). Aging, mapping, and response complexity in visual search. *Experimental Aging Research, 8*, 99-104.

Hoyer, W. J., Lopez, M. A., & Goldstein, A. P. (1982). Predicting social skill acquisition and transfer in psychogeriatric patients. *International Journal of Behavioral Geriatrics, 1*, 43-46.

Rybash, J. M., Hoyer, W. J., & Roodin, P. A. (1983). Elderly responses to moral dilemmas involving themselves versus others. *International Journal of Aging and Human Development, 18*, 73-77.

Rybash, J. M., Roodin, P. A., & Hoyer, W. J. (1983). Expressions of moral thought in later adulthood. *The Gerontologist, 23*, 254-260.

Hoyer, W. J. (1983) Students' expectations of the psychology of adult development and aging. *Teaching of Psychology, 10*, 178-179.

- Plude, D. J., Kaye, D. B., Hoyer, W. J., Post, T. A., Saynisch, M. J., & Hahn, M. V. (1983). Aging and visual search under consistent and varied mapping. *Developmental Psychology, 19*, 508-512.
- Hoyer, W. J., Raskind, C. L., & Abrahams, J. P. (1984). Research practices in the psychology of aging: A survey of research published in the *Journal of Gerontology, 1975-1982. Journal of Gerontology, 39*, 44-48.
- Schultz, N. R., Jr., Kaye, D. B., & Hoyer, W. J. (1984). Intraindividual variability in divergent and convergent thinking: Adult age differences. *Educational Gerontology, 10*, 109-118.
- Chiarello, C., Church, K., & Hoyer, W. J. (1985). Automatic and controlled semantic priming: Accuracy, response bias, and aging. *Journal of Gerontology, 40*, 593-600.
- Hoyer, W. J., & Plude, D. J. (1985). Attentional factors in visual function. *Geriatric Ophthalmology, 1*, 32-38.
- Rybash, J. M., Roodin, P. A., & Hoyer, W. J. (1986). A neo-Piagetian perspective on cognition and affect. *Genetic Epistemologist, 11*, 24-30.
- Plude, D. J., & Hoyer, W. J. (1986). Aging and the selectivity of visual information processing. *Psychology and Aging, 1*, 1-9.
- Holtzman, R. E., Familant, M. E., Deptula, P., & Hoyer, W. J. (1986). Aging and the use of sentential structure to facilitate word recognition. *Experimental Aging Research, 12*, 85-88.
- Roodin, P. A., Rybash, J. M., & Hoyer, W. J. (1986). Qualitative dimensions of social cognition in adulthood. *Educational Gerontology, 12*, 301-311.
- Sperbeck, D., J., Whitbourne, S. K., & Hoyer, W. J. (1986). Age and openness to experience in autobiographical memory. *Experimental Aging Research, 12*, 169-173.
- Hoyer, W. J., & Familant, M. E. (1987). Adult age differences in the rate of processing expectancy information. *Cognitive Development, 2*, 57-70.
- Chiarello, C., & Hoyer, W. J. (1988). Adult age differences in implicit and explicit memory: Time course and encoding effects. *Psychology and Aging, 3*, 358-366.
- Rybash, J. M., & Hoyer, W. J. (1992). Hemispheric specialization for categorical and coordinate spatial representations: A reappraisal. *Memory & Cognition, 20*, 271-276.
- Folk, C. L., & Hoyer, W. J. (1992). Aging and shifts of visual spatial attention. *Psychology and Aging, 7*, 453-465.
- Hoyer, W. J., & Rybash, J. M. (1992). Age and visual field differences in computing visual-spatial relations. *Psychology and Aging, 7*, 339-342.
- Frazier, L. D., & Hoyer, W. J. (1992). Object recognition by component features: Adult age differences. *Experimental Aging Research, 18*, 9-15.
- Clancy, S. M., & Hoyer, W. J. (1993). Skill and hemispheric specialization in detecting featural differences in visual images. *Brain and Cognition, 21*, 192-202.

Hoyer, W. J., & Rybash, J. M. (1994). Characterizing adult development. *Journal of Adult Development, 1*, 7-12.

Clancy, S. M., & Hoyer, W. J. (1994). Age and skill in visual search. *Developmental Psychology, 30*, 545-552.

Hannon, D. J., & Hoyer, W. J. (1994). Mechanisms of visual-cognitive aging: A neural network account. *Aging and Cognition, 1*, 105-119.

Clancy, S. M., & Hoyer, W. J. (1994). Skill and laterality differences in the visual processing of representations and features: A reply to Hellige. *Brain and Cognition, 24*, 284-288.

Kotary, L., & Hoyer, W. J. (1995). Age and the ability to inhibit distractor information in visual selective attention. *Experimental Aging Research, 21*, 159-171.

Dollinger, S. M. C., & Hoyer, W. J. (1995). Skill differences in medical laboratory diagnostics. *Applied Cognitive Psychology, 9*, 235-247

Dollinger, S. M. C., & Hoyer, W. J. (1996). Age and skill differences in the processing demands of visual inspection. *Applied Cognitive Psychology, 9*, 376-391.

Souza, P. E., & Hoyer, W. J. (1996). Age-related hearing loss: Implications for counseling. *Journal of Counseling and Development, 74*, 652-655.

Rybash, J. M., & Hoyer, W. J. (1996). Brain reserve capacity and aging: Some unanswered questions. *Brain and Cognition, 24*, 320-322.

Rybash, J. M., & Hoyer, W. J. (1996). Process dissociation procedure reveals age differences in unconscious influences on memory for possible and impossible objects. *Aging, Neuropsychology, and Cognition, 3*, 251-263.

Lincourt, A. E., Folk, C. L., & Hoyer, W. J. (1997). Effects of aging on voluntary and involuntary shifts of attention. *Aging, Neuropsychology, and Cognition, 4*, 290-303.

Lincourt, A. E., Rybash, J. M., & Hoyer, W. J. (1998). Aging, working memory, and the development of instance-based retrieval. *Brain and Cognition, 37*, 100-102.

Hoyer, W. J. (1998). Positive contributions of the elderly to society: A multi-disciplinary perspective. *Australian Journal on Aging, 17*, 39-41.

Rybash, J. M., Santoro, K. E., & Hoyer, W. J. (1998). Adult age differences in conscious and unconscious influences on memory for novel associations. *Aging, Neuropsychology, and Cognition, 5*, 14-26.

D'Eredita, M. A., & Hoyer, W. J. (1999). An examination of the effects of adult age on explicit and implicit learning of figural sequences. *Memory & Cognition, 27*, 890-895.

Jenkins, L., & Hoyer, W. J. (2000). Memory-based automaticity and aging: Acquisition, re-acquisition, and retention. *Psychology and Aging, 15*, 551-565.

Verhaeghen, P., Palfai, T., Cerella, J., Buchler, N., Johnson, M. D'Eredita, M. A., Green, D. R., Hoyer, W. J., Makekau, M. (2000). Age-related dissociations in time-accuracy functions for recognition memory:

Utilizing semantic support versus building new representations. *Aging, Neuropsychology, and Cognition*, 7, 262-272.

Karpel, M. E., Hoyer, W. J., & Toglia, M. P. (2001). Accuracy and qualities of real and suggested memories: Non-specific age differences. *Journal of Gerontology: Psychological Sciences*, 56B, 103-110.

Touron, D. R., Hoyer, W. J., & Cerella, J. (2001). Cognitive skill acquisition and transfer in younger and older adults. *Psychology and Aging*, 16, 555-563.

Palfai, T., Halperin, S., & Hoyer, W. J. (2003). Age inequalities in recognition memory: Effects of stimulus presentation time and list repetitions. *Aging, Neuropsychology, and Cognition*, 10, 134-140.

Hoyer, W. J., & Ingolfsdottir, D. (2003). Age, skill, and contextual cueing in target detection. *Psychology and Aging*, 18, 210-218.

Hoyer, W. J., Cerella, J., & Onyper, S. (2003). Item learning in cognitive skill training: Effects of item difficulty. *Memory & Cognition*, 31, 1260-1270.

Hoyer, W. J., Stawski, R., Wasylshyn, C., & Verhaeghen, P. (2004). Adult age and digit-symbol performance: A meta-analysis. *Psychology and Aging*, 19, 211-214.

Touron, D. R., Hoyer, W. J., & Cerella, J. (2004). Cognitive skill learning: Age-related differences in strategy shifts and speed of component operations. *Psychology and Aging*, 20, 565-580.

Howard, M. W., Bessette-Symons, B., Zhang, Y., & Hoyer, W. J. (2006). Aging selectively impairs recollection memory for pictures: Evidence from modeling and ROC curves. *Psychology and Aging*, 21, 96-106.

Onyper, S. V., Hoyer, W. J., & Cerella, J. (2006). Determinants of retrieval solutions during cognitive skill training: Source confusions. *Memory & Cognition*, 34, 538-549.

Cerella, J., Onyper, S. V., & Hoyer, W. J. (2006). The associative-memory basis of cognitive skill learning: Adult age differences. *Psychology and Aging*, 21, 483-498.

Verhaeghen, P., & Hoyer, W. J. (2007). Aging, focus switching, and task switching in a continuous calculation task: Evidence toward a new working memory control process. *Aging, Neuropsychology, and Cognition*, 14, 22-39.

White, A. S., Cerella, J., & Hoyer, W. J. (2007). Effects of inter-item similarity on strategy transitions during cognitive skill learning in younger and older adults. *Memory & Cognition*, 35, 2106-2117.

Hoyer, W. J., Semene, S. C., & Buchler, N. E. G. (2007). Acute alcohol intoxication impairs controlled search across the visual field. *Journal of Studies of Alcohol and Drugs*, 68, 748-758.

Onyper, S. V., Hoyer, W. J., & Cerella, J. (2008). Effects of item difficulty on the retrieval of solutions during cognitive skill acquisition: Age differences. *Aging, Neuropsychology, and Cognition*, 15, 358-383.

Buchler, N. E. G., Cerella, J., & Hoyer, W. J. (2008). Rules and more rules: The effects of multiple tasks, extensive training, and aging on task-switching performance. *Memory & Cognition*, 36, 735-748.

D'Eredita, M. A., & Hoyer, W. J. (2010). Transfer of instances in cognitive skill learning: Adult age differences. *Experimental Aging Research*, 36, 23-39.



Hoyer, W. J., Cerella, J., & Buchler, N. G. (2011). A search-by-clusters model of visual search: Fits to data from younger and older adults. *Journal of Gerontology. Series B: Psychological Sciences and Social Sciences*, 66(4), 402-410.

Kilic, A., Hoyer, W. J., & Howard, M. A. (2013). Effects of spacing of item repetitions in continuous recognition memory: Does item retrieval difficulty promote item retention in older adults? *Experimental Aging Research*, 39, 1-20.

#### BOOKS (selected)

Goldstein, A. P., Hoyer, W. J., & Monti, P. (1979). *Police and the elderly*. New York: Pergamon.

Huyck, M. H., & Hoyer, W. J. (1982). *Adult development and aging*. Belmont, CA: Wadsworth.

Rybash, J. M., Hoyer, W. J., & Roodin, P. A. (1986). *Adult cognition and aging* (second edition). New York: Pergamon.

Cerella, J., Rybash, J. M., Hoyer, W. J., & Commons, M. (Eds.). (1993). *Aging and visual information processing: Limits on loss*. San Diego: Academic Press.

Rybash, J. M., Roodin, P. A., & Hoyer, W. J. (1995). *Adult development and aging* (third edition). Dubuque, IA: Brown & Benchmark.

Hoyer, W. J., Rybash, J. M., & Roodin, P. A. (1999). *Adult development and aging* (fourth edition). New York: McGraw-Hill.

Hoyer, W. J., & Roodin, P. A. (2003). *Adult development and aging* (fifth edition). New York: McGraw-Hill.

Hoyer, W. J., & Roodin, P. A. (2009). *Adult development and aging* (sixth edition). New York: McGraw-Hill.

#### BOOK CHAPTERS (selected)

Hoyer, W. J. (1974). The adult learner: An operant perspective. In R. W. Bortner, S. S. Dubin, D. F. Hultsch, & J. Withall (Eds.), *Adults as learners*. University Park, PA: The Pennsylvania State University Press.

Hoyer, W. J., & Plude, D. J. (1980). Attentional and perceptual processes in the study of cognitive aging. In L. W. Poon (Ed.), *Aging in the 1980s: Psychological issues* (pp. 227-238). Washington, DC: American Psychological Association.

Hoyer, W. J., & Plude, D. J. (1982). Aging and the allocation of attentional resources in visual information processing. In R. Sekuler, D. Kline, & K. Dismukes (Eds.), *Aging and human visual attention* (pp. 245-263). New York: Alan R. Liss.

Krauss, I. K., & Hoyer, W. J. (1984). Technology and the older person: Age, sex, and experience as moderators of attitudes towards computer-based technology. In P. Robinson, J. Livingston, & J. E. Birren (Eds.), *Aging and technological advances* (pp. 349-350). New York: Plenum.

Roodin, P. A., Rybash, J. M., & Hoyer, W. J. (1984). Affect in adult cognition: A constructivist view of moral thought and action. In C. Malatesta & C. Izard (Eds.), *Emotion in adult development* (pp. 297-319).

Beverly Hills, CA: Sage.

Plude, D. J., & Hoyer, W. J. (1985). Aging and attention. In N. Charness (Ed.), *Aging and human performance* (pp. 47-99). London: Wiley.

Hoyer, W. J. (1985). Aging and the development of expert cognition. In T. M. Schlecter & M. P. Toglia (Eds.), *New directions in cognitive science* (pp. 69-87). Norwood, NJ: Ablex.

Hoyer, W. J. (1986). On the growth of knowledge and the decentralization of *g* in adult intellectual development. In C. Schooler & K. W. Schaie (Eds.), *Cognitive functioning and social structures over the life course* (pp. 120-141). New York: Ablex.

Hoyer, W. J., & Clancy, (1988). Psychological factors in medical decision-making. In R. E. Dunkle & M. K. Wykle (Eds.), *Medical decision making in long term care* (pp. 85-109). New York: Springer.

Clancy, S. M., & Hoyer, W. J. (1988). Effects of age and skill on domain-specific search. In V. L. Patel & G. J. Groen (Eds.), *Proceedings of the tenth conference of the Cognitive Science Society* (pp. 398-404). Hillsdale, NJ: Erlbaum.

Hoyer, W. J., Rybash, J. M., & Roodin, P. A. (1989). Cognitive change as a function of knowledge access. In M. L. Commons, F. A. Richards, C. Armon, & J. Sinnott (Eds.), *Adult development: Comparisons and applications of developmental models* (pp. 293-305). New York: Praeger.

Hoyer, W. J., & Hooker, K. (1989). Psychology of adult development and aging: New approaches and methodologies in the developmental study of cognition and personality. In N. J. Osgood & A. Sontz (Eds.), *The science and practice of gerontology* (pp. 29-54). Westport, CT: Greenwood Press.

Hoyer, W. J. (1990). Levels of knowledge utilization in visual information processing. In T. M. Hess (Ed.), *Aging and cognition: Knowledge organization and utilization* (pp. 387-409). Amsterdam: Elsevier.

Hoyer, W. J., & Rybash, J. M. (1992). Knowledge in visual perception. In R. L. West & J. D. Sinnott (Eds.), *Everyday memory and aging: Current research and methodology* (pp. 79-98). New York: Springer-Verlag.

Hoyer, W. J., & Hannon, D. J. (1993). Aging and individual differences in visual information processing: Toward a formal model. In D. Detterman (Ed.), *Current topics in human intelligence* (Volume 3, pp. 55-81). Norwood, NJ: Ablex.

Hoyer, W. J. (1996). Knowledge use. In G. L. Maddox (Ed), *Encyclopedia of aging*. New York: Springer.

Hoyer, W. J. (1996). Memory training and mnemonics. In G. L. Maddox (Ed), *Encyclopedia of aging*. New York: Springer.

Hoyer, W. J. (1996). Vision and visual perception. In G. L. Maddox (Ed), *Encyclopedia of aging*. New York: Springer.

Hoyer, W. J., & Rybash, J. M. (1996). Life-span theory. In J. E. Birren (Ed), *Encyclopedia of gerontology* (pp. 65-71). San Diego: Academic press.

Hoyer, W. J. (1998). The older individual in a rapidly changing work context: Developmental and cognitive issues. In K. W. Schaie & C. Schooler (Eds.), *Impact of work on older adults* (pp. 28-44). New York: Springer.

- Hoyer, W. J., & Lincourt, A. E. (1998). Aging and the development of learning. In M. A. Stadler and P. A. Frensch (Eds.), *Handbook of implicit learning* (pp. 445-470). Thousand Oaks, CA: Sage.
- Hoyer, W. J. (2001). Memory training and mnemonics. In G. L. Maddox (Ed.), *Encyclopedia of Gerontology* (pp. 676-677). New York: Springer.
- Hoyer, W. J. (2001). Knowledge utilization. In G. L. Maddox (Ed.), *Encyclopedia of Gerontology* (pp. 579-580). New York: Springer.
- Hoyer, W. J. (2001). Vision and visual perception. In G. L. Maddox (Ed.), *Encyclopedia of Gerontology* (pp. 1045-1046). New York: Springer.
- Hoyer, W. J. (2001). Word-finding difficulty. In G. L. Maddox (Ed.), *Encyclopedia of Gerontology* (p. 1065). New York: Springer.
- Hoyer, W. J. (2001). Normal brain aging: Behavioral and cognitive consequences. In N. J. Smelser & P. B. Baltes (Eds.), *International Encyclopedia of the social and behavioral sciences*. Oxford: Elsevier.
- Hoyer, W. J. (2002). Memory training. In D. J. Eckert (Ed.), *The Macmillan Encyclopedia of Aging*. New York: Macmillan.
- Hoyer, W. J. (2002). Life-span development. In D. J. Eckert (Ed.), *The Macmillan Encyclopedia of Aging*. New York: Macmillan.
- Hoyer, W. J., & Touron, D. R. (2002). Learning in adulthood. In J. Demick & C. Andreoletti (Eds.), *Handbook of adult development* (pp. 23-42). New York: Plenum.
- Hoyer, W. J. (2006). Memory training and mnemonics. In R. Schulz (Ed.), *Encyclopedia of Gerontology* (fourth edition). New York: Springer.
- Hoyer, W. J. (2006). Word-finding difficulty. In R. Schulz (Ed.), *Encyclopedia of Gerontology* (fourth edition). New York: Springer.
- Hoyer, W. J., & Verhaeghen, P. (2006). Memory aging. In J. E. Birren and K. W. Schaie (Eds.), *Handbook of the psychology of aging* (sixth edition, pp. 209-232). San Diego: Elsevier.
- Hoyer, W. J. (2007). Life-span theory. In J. E. Birren (Ed.), *Encyclopedia of gerontology: Age, aging, and the aged* (second edition, pp. 80-85). Oxford: Elsevier.
- Verhaeghen, P., Cerella, J., Basak, C., Bopp, K., Zhang, Y., & Hoyer, W. J. (2008). The ins and outs of working memory: Dynamic processes associated with focus switching and search. In N. Osaka, R. Logie, & M. D'Esposito (Eds.), *Working memory: Behavioral and neural correlates* (pp. ). Oxford: Oxford University Press.
- Hoyer, W. J., & Bessette-Symons, B. (2010). The neuroscience of aging and cognition. In P. Peterson, E. Baker, & B. McGraw (Eds.), *International encyclopedia of education* (volume 5). Oxford: Elsevier.
- Hoyer, W. J. (2015). Normal brain aging: Behavioral, cognitive, and personality consequences. In J. Wright (Ed.), *International Encyclopedia of the social and behavioral sciences* (second edition). Oxford: Elsevier.

CONVENTION PAPERS (selected from over 100)

Hoyer, W. J., Labouvie, G. V., & Baltes, P. B. (1971, August). *Operant modification of intellectual performance in the elderly*. Paper presented at the meetings of the American Psychological Association, Washington, DC.

Hoyer, W. J. (1971, October). *Behavioral control in the elderly: A neglected perspective*. Paper presented at the meeting of the National Gerontological Society, Houston, TX.

Hoyer, W. J., & Shafer, J. N. (1972, April). Control of topographical variability in operant performance. Paper presented at the meeting of the Eastern Psychological Association, Boston, MA.

Baltes, P. B., Hoyer, W. J., & Labouvie, G. V. (1972, July). Operant modification of cognitive performance in the aged. Paper presented at the meeting of the International Congress of Gerontology, Kiev, USSR.

Hoyer, W. J. (1972, December). The study of developmental change using single subject research designs. Paper presented at the meeting of the National Gerontological Society, San Juan, PR.

Hoyer, W. J. (1973, August). Research in aging: Experimental and developmental perspectives. Paper presented at the meeting of the American Psychological Association, Montreal, Canada.

Hoyer, W. J., Frazier, L. D., Jackowski, M., & Hoepner, J. A. (1989, November). *A computational model of adult age differences in visual object recognition*. Poster presented at a Conference held at the State University of New York Health Sciences Center, Syracuse, NY.

Hoyer, W. J., Vaidya, C., & Clancy, S. M. (1989, November). *Are age-related attentional limitations modality-specific?* Paper presented at the meetings of the Gerontological Society of America, Minneapolis, MN.

Clancy, S. M., & Hoyer, W. J. (1990, April). *Effects of age and skill in visual object priming*. Paper presented at the meetings of the Cognitive Aging Society, Atlanta, GA.

Hoyer, W. J., Rybash, J. M. (1990, May). *Computation of categorical and coordinate spatial representations: Practice effects*. Paper presented at the TENNET (Theoretical and Experimental Neuropsychology - Neuropsychologie Experimentale et Theoretique) meetings, Montreal, Canada.

Reddout, J. W., & Hoyer, W. J. (1990, June). *Inhibitory priming of free associations: Is there an age difference?* Poster presented at the meetings of American Psychological Society, Washington, DC.

Hoyer, W. J., & Rybash, J. M. (1990, November). *Adult age differences in the computation of categorical and coordinate spatial relations*. Paper presented at the meetings of the Gerontological Society of America, Boston, MA.

Folk, C. L., & Hoyer, W. J. (1990, November). *Stimulus-driven shifts in visual selective attention: Adult age differences*. Poster presented at the meetings of the Psychonomic Society, New Orleans, LA.

Hannon, D. J., & Hoyer, W. J. (1991, November). *Aging and perceptual closure: An autoassociator model*. Paper presented at the meetings of the Gerontological Society of America, San Francisco, CA.

Ingolfsdottir, D. B., & Hoyer, W. J. (1992, April). *Age and skill differences in visual search: effects of contextual congruence and locational cues*. Poster presented at the meetings of the Cognitive Aging Conference, Atlanta, GA.

Vaidya, C., Dohn, A. H., Kotary, L., & Hoyer, W. J. (1992, April). *Implicit and explicit memory for visual objects: Adult age differences in the effects of encoding conditions*. Poster presented at the meetings of the Cognitive Aging Conference, Atlanta, GA.

Vaidya, C., Rybash, J. M., & Hoyer, W. J. (1992, May). *Effects of right hemisphere damage on computing visual-spatial representations*. Poster presented at the TENNET (Theoretical and Experimental Neuropsychology - Neuropsychologie Experimentale et Theoretique) meetings. Montreal, Canada.

Hooker, K., Hoyer, W. J., Kipschidze, N., Pivarovara, I., Sudladse, E. (1992, March). *Health-related perceptions in older adults: A cross-cultural study*. Poster presented at the meetings of the Society of Behavioral Medicine. New York City.

Frazier, L., & Hoyer, W. J. (1992, November). *Age differences in perceptual closure: A computational approach*. Poster presented at the meetings of the Gerontological Society of America, Washington, DC.

Vaidya, C., & Hoyer, W. J. (1992, November). *Aging and the semantic processing of visual objects*. Poster presented at the Meetings of the Psychonomics Society. St. Louis, MO.

Kotary, L., & Hoyer, W. J. (1992, December). *Distractor suppression in exhaustive visual search: Adult age differences*. Poster presented at the Sixth Annual Research Poster Session of the SUNY Health Sciences Center, Syracuse, NY.

Hannon, D. J., & Hoyer, W. J. (1993, June). *A neural network simulation of adult age differences in figure completion*. Poster presented at the American Psychological Society meetings, Chicago, IL.

Karpel, M. E., Toglia, M. P., & Hoyer, W. J. (1993, November). *Adult eye witness memory: Age differences in susceptibility to suggestion*. Paper presented at the Meetings of the Psychonomics Society. Washington, DC.

Hoyer, W. J., & Ingolfsdottir, D. (1993, November). *Age and skill differences in visual selective attention*. Poster presented at the meetings of the Gerontological Society of America, New Orleans, LA.

Hoyer, W. J. (1993, November). *Vision, hearing and psychological functioning: Constraints and reserves*. Discussant for Symposium presented at the meetings of the Gerontological Society of America, New Orleans, LA.

Hoyer, W. J., & Pritchard, K. (1994, April). *Age related differences in visual attention: Preliminary evidence for an object-based model of multi-element tracking*. Poster presented at the meetings of the Fifth Cognitive Aging Conference, Atlanta, GA.

Souza, P. E., & Hoyer, W. J. (1994, May). *The successful presbycusis: Compensating for hearing loss and aging*. Poster presented at the International Conference on Communication, Aging, and Health. Hamilton, Ontario, Canada.

Pritchard, K., Hoyer, W. J., & Kotary, L. (1994, June). *Toward an object-based model of age related differences in visual selective attention*. Poster presented at the meetings of the American Psychological Society, Washington, DC.

Hoyer, W. J. (1994, July). *Aging and work productivity*. Paper presented as part of a keynote symposium, "Aging and Productivity: The Human Capital Initiative," at the meetings of the American Psychological Society, Washington, DC.

Hoyer, W. J. (1994, August) (Chair and Organizer). *The life-span approach to adult development and aging: A new look*. Invited symposium for the meetings of the American Psychological Association, Los Angeles, CA.

Hoyer, W. J. (1994, August). *Age and expertise in work performance: Contextual support in visual attention*. Paper presented at the meetings of the American Psychological Association, Los Angeles, CA.

Hoyer, W. J., Ingolfsdottir, D., & Dollinger, S. M. C. (1994, August). *Complex cognitive performance and age: Toward a neural network account*. Invited paper for the Third Practical Aspects of Memory Conference. University of Maryland, University Park, MD.

Kotary, L., & Hoyer, W. J. (1994, November). On the acquisition of memory-based automaticity. Paper presented at the Meetings of the Psychonomics Society. St. Louis, MO.

Rybash, J. M., & Hoyer, W. J. (1995, May). *Brain reserve capacity and aging: Some unanswered questions*. Poster presented at the TENNET (Theoretical and Experimental Neuropsychology - Neuropsychologie Experimentale et Theoretique) meetings. Montreal, Quebec, Canada.

White, A. S., & Hoyer, W. J. (1995, November). *Age and processing requirements in extracting information from graphs*. Poster presented at the meetings of the Gerontological Society of America. Los Angeles, CA.

Lincourt, A., Folk, C. L., & Hoyer, W. J. (1995, November). *Effects of spatial cuing on adult age differences in visual orienting*. Poster presented at the 36th Annual meeting of the Psychonomic Society. Los Angeles, CA.

Rybash, J. M., & Hoyer, W. J. (1996, April). Process dissociation procedure reveals age differences in unconscious influences on memory for possible and impossible objects. Paper presented at the meetings of the Sixth Cognitive Aging Conference, Atlanta, GA.

Pritchard, K., & Hoyer, W. J. (1996, April). Age-related differences in the processes of image generation and perceptual priming. Poster presented at the meetings of the Sixth Cognitive Aging Conference, Atlanta, GA.

Hoyer, W. J., Rybash, J. M., Cerella, J., Halperin, S., Lincourt, A., & D'Eredita, M. A. (1996, July). Memory-based skill acquisition: Are there age-related differences? Invited paper for the Second International Conference on Memory. Padova, Italy.

Lincourt, A. E., & Hoyer, W. J. (1996, November). Selective attention in the acquisition of instance-based learning: Adult age differences. Paper presented at the 37th Annual meeting of the Psychonomic Society. Chicago.

Rybash, J. M., Santoro, K., & Hoyer, W. J. (1996, November). *Age Differences in controlled and automatic influences on memory for novel associations*. Paper presented at the 37th Annual meeting of the Psychonomic Society. Chicago.

D'Eredita, M. A., & Hoyer, W. J. (1996, November). Age differences in learning figural relations. Poster presented at the meetings of the Gerontological Society of America. Washington, DC.

Lincourt, A. E., Rybash, J. M., & Hoyer, W. J. (1997, May). Aging, working memory, and the development of instance-based retrieval. Poster presented at the TENNET (Theoretical and Experimental Neuropsychology - Neuropsychologie Experimentale et Theoretique) meetings. Montreal.

Hoyer, W. J. (1997, August). Positive contributions of the elderly to society: A review. Keynote address presented at the World Congress of Gerontology, Adelaide, Australia.

Hoyer, W. J. (1997, August). Positive contributions of the elderly to society. Organizer and Chair for this invited symposium presented at the World Congress of Gerontology, Adelaide, Australia.

Hoyer, W. J., & White, A. S. (1997, August). Assessment of age-related differences in work and family contributions across the adult life span. Paper presented at the World Congress of Gerontology, Adelaide, Australia.

Lincourt, A. E., & Hoyer, W. J., & Cerella, J. (1997, November). *Effects of aging on the development of instance-based automaticity*. Paper presented at the Meetings of the Psychonomic Society, Philadelphia.

D'Eredita, M. A., Hoyer, W. J., & Cerella, J. (1998, April). *Effects of age and practice on associative learning in digit-symbol performance*. Poster presented at the meetings of the Seventh Cognitive Aging Conference, Atlanta, GA.

Green, D., & Hoyer, W. J. (1998, April). Verification and production measures of the effects of aging on instance-based learning. Poster presented at the meetings of the Seventh Cognitive Aging Conference, Atlanta, GA.

Hoyer, W. J., Cerella, J., D'Eredita, M. A., Green, D. (1998, November). Determinants of digit symbol performance in young and older adults. Poster presented at the Meetings of the Psychonomic Society, Dallas, TX.

White, A. S., Hoyer, W. J., & Cerella, J. (1998, November). Mixture and power-function representations of memory-based skill learning: Effects of adult age and information load. Poster presented at the Meetings of the Psychonomic Society, Dallas, TX.

Cerella, J., Green, D., & Hoyer, W. J. (1999, November). Effects of age and of item frequency on the memory and computational components of instance learning. Paper presented at the Meetings of the Psychonomic Society. Los Angeles, CA.

Buchler, N., & Hoyer, W. J. (2000, April). *Adult age differences in learning and transfer of speeded choice responses: Response competition effects*. Paper presented at the meetings of the Eighth Cognitive Aging Conference, Atlanta, GA.

Green, D. R., Hoyer, W. J., & Cerella, J. (2000, April). Does item familiarization improve the development of automaticity: Adult age differences. Paper presented at the meetings of the Eighth Cognitive Aging Conference, Atlanta, GA.

Shifren, K., & Hoyer, W. J. (2000, November). *Time-framed optimism and health: A developmental study*. Paper presented at the Sixth International Conference on Behavior Medicine, New Zealand.

Green, D., Cerella, J., & Hoyer, W. J. (2000, November). *Do strategy probes affect the probability of retrieval?* Poster presented at the Meetings of the Psychonomic Society. New Orleans, LA.

Touron, D., Hoyer, W. J. & Cerella, J. (2001, November). *Item knowledge and rule knowledge in cognitive skill acquisition: Adult age differences*. Poster presented at the Meetings of the Psychonomic Society. Orlando, FL.

Cerella, J., & Hoyer, W. J. (2001, November). *Cognitive skill learning: Races, mixtures, and humps in the power law*. Paper presented at the Meetings of the Psychonomic Society. Orlando, FL.

Semenec, S., Buchler, N., Hoyer, W. J., & Cerella, J. (2002). *Age-related constriction of the functional field in visual search*. Poster presented at the meetings of the Cognitive Aging Society, Atlanta, GA.

Touron, D.R., Cerella, J., & Hoyer, W. J. (2002, April). *Effects of strategy probes on skill acquisition: Moderated by age and frequency*. Poster presented at the meetings of the Cognitive Aging Society, Atlanta, GA.

Buchler, N., & Hoyer, W. J. (2002, October). *Effects of adult age on the item learning and rule learning components of cognitive skill acquisition*. Paper presented at the 40<sup>th</sup> annual Eric F. Gardner Conference, Auburn.

Hoyer, W. J., Cerella, J., & Onyper, S. V. (2002, November). *Item learning in cognitive skill training: Effects of Item Difficulty*. Poster presented at the Meetings of the Psychonomic Society. Kansas City.

Onyper, S. V., Hoyer, W. J., & Cerella, J. (2003, November). *Age-related process dissociations within skill learning: Item retrieval and item recognition*. Poster presented at the Meetings of the Society for Neuroscience. New Orleans.

Hoyer, W. J., Cerella, J., & Buchler, N. (2003, November). *Cluster size and eccentricity in visual search: Adult age differences*. Poster presented at the Meetings of the Psychonomic Society. Vancouver.

Buchler, N., Cerella, J., & Hoyer, W. J. (2004, November). *Rules and more rules: Evidence for parallel access to rule memory in highly trained younger and older adults*. Poster presented at the Cognitive Aging Conference. Atlanta, GA.

Onyper, S. V., Cerella, J., & Hoyer, W. J. (2004, April). *Bimodal effect of computational difficulty on item retrieval in cognitive skill training: Adult age differences*. Poster presented at the Cognitive Aging Conference. Atlanta, GA.

Rosen, V. M., McGee, L., Hoyer, W. J., Quale, E., Hammond, C., Levy, J., Spoor, E., Bergeson, J., Tomioka, S., Lefkowitz, C., Knowles, L., Smyth, C., Putnam, K., & Sunderland, T. (2004, April). *Apolipoprotein E and oral and written discourse: An examination of language fluency and complexity measures with individuals at genetic risk for developing Alzheimer's Disease, and Alzheimer patients*. Poster presented at the Cognitive Aging Conference. Atlanta, GA.

Hoyer, W. J. (2004, September). *Effects of age on the associative and strategic processes in skill learning*. Keynote address, VIII Colloque International sur le Vieillissement Cognitif (International Conference on Cognitive Aging), Marseille, France.

Hoyer, W. J., Cerella, J., & Onyper, S. V. (2004, November). *Top-down influences in cognitive skill learning*. Poster presented at the Meetings of the Psychonomic Society. Minneapolis, MN.

Hoyer, W. J. (2005, May). *Micro-level and macro-level theories and research approaches in cognitive aging: Toward an integration*. Paper presented at the International Conference on the Future of Cognitive



Aging Research. Pennsylvania State University.

Hoyer, W. J., Cerella, J., & Onyper, S. V. (2005, November). *The associative memory basis of cognitive skill learning: Adult age differences*. Poster presented at the Meetings of the Psychonomic Society. Toronto.

Bessette-Symons, B., Hoyer, W. J., & Cerella, J. (2005, November). *Item learning in skill training: Deliberate or automatic?* Poster presented at the Meetings of the Psychonomic Society. Toronto.

Onyper, S. V., & Hoyer, W. J. (2006, April). *Age-relations in source memory and item memory: A meta-analysis*. Poster presented at the Cognitive Aging Conference. Atlanta, GA.

Bessette-Symons, B., Hoyer, W. J., & Cerella, J. (2006, April). *Age and list context effects on item learning in skill training*. Poster presented at the Cognitive Aging Conference. Atlanta, GA.

Hoyer, W. J., Onyper, S. V., & Cerella, J. (2006, April). *Computing solutions vs. memorizing solutions in skill learning: Age and difficulty interact*. Poster presented at the Cognitive Aging Conference. Atlanta, GA.

Bessette-Symons, B., & Hoyer, W. J. (2007, November). *Emotional memory enhancement: A meta-analysis*. Poster presented at the Meetings of the Psychonomic Society. Long Beach, CA.

Onyper, S. V., Hoyer, W. J., & Howard, M. (2008, April). *Some-or-none recollection in recognition memory: Modeling age differences using the Receiver Operating Characteristic*. Poster presented at the Cognitive Aging Conference. Atlanta, GA.

Bessette-Symons, B., & Hoyer, W. J. (2008, April). *Searching for age effects in emotional memory: A meta-analysis*. Poster presented at the Cognitive Aging Conference. Atlanta, GA.

Onyper, S. V., Cerella, J., & Hoyer (2008, November). *Associative bases of cognitive skill formation*. Poster presented at the Meetings of the Psychonomic Society. Chicago, IL.

Hoyer, W. J. (2009, February). *Lag effects in recognition memory: Adult age differences*. Presented at the Syracuse University Gerontology Center, Syracuse, NY.

Kilic, A., Kelley, P., Talbott, K., Hoyer, W. J., & Howard, M. (2009, November). *Aging and spacing effects across criteria in continuous recognition*. Poster presented at the Meetings of the Psychonomic Society. Boston.

Stepkovich, K., & Hoyer, W. J. (2010, August). *Medication treatments and Montreal Cognitive Assessment scores as predictors of rates of conversion to Alzheimer's Disease*. Eleventh International Conference on Alzheimer's Drug Discovery. Chicago.

Doherty, K., Desjardens, J., & Hoyer, W. J. (2012, April). *Effect of hearing aids on cognitive function, hearing handicap, and attitudes*. American Hearing Association Conference. Abano Terme, Italy.