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**James F. Juola**

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**Personal Data:** Born June 24, 1946 in Eveleth, Minnesota, USA

**Address:**

Department of Psychology 1415 Jayhawk Boulevard University of Kansas Lawrence, KS 66045  2564 Jasu Drive Lawrence, KS 66046	Human-Technology Interaction IPO Building, 1.25 Eindhoven University of Technology 5600 MB Eindhoven The Netherlands
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**Phone:** (785) 864-9814 +31 40 247 5413  
(785) 841-0445

**e-mail:** [juola@ku.edu](mailto:juola@ku.edu) [j.f.juola@tue.nl](mailto:j.f.juola@tue.nl)  
**fax:** (785) 864-5696

**Education:** B.A., Psychology, 1968, Hamline University, St. Paul, MN  
Ph.D., Psychology, 1972, Stanford University, Palo Alto, CA

**Affiliations:** American Psychological Association (Fellow, Division 3)  
Psychonomic Society  
American Psychological Society

**Experience:**

1966-1968 1966-1968 1968-1971 1971-1972 1972-1977 1977-1982 1979-1983 1981-1985 1982- 1985-1986  1985-	Research assistant, teaching assistant, Hamline University, St. Paul, MN Research assistant, Life Sciences Division, Honeywell Inc., St. Paul, MN NDEA Fellow, Stanford University, Palo Alto, CA NIMH Fellow, Stanford University Assistant Professor, University of Kansas (KU), Lawrence, KS Associate Professor, KU Consulting Editor, <i>American Journal of Psychology</i> Director, Graduate Program in Experimental Psychology, KU Professor, KU (part-time from 2009 to present) Fulbright Senior Research Fellow, Institute for Perception Research, Eindhoven, The Netherlands; Visiting Professor, Technical University of Eindhoven (TUE), The Netherlands (sabbatical year) Consulting Editor, <i>Acta Psychologica</i>
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- 1987 Senior Research Fellow, Institute for Perception Research, Eindhoven, The Netherlands (summer term)
- 1989 & 1991 Van Houten Fellow (Philips Research Laboratories), Institute for Perception Research, Eindhoven, The Netherlands (summer terms)
- 1993 Visiting Professor, TUE, The Netherlands (sabbatical, spring semester)
- 1997 & 1998 Senior Research Fellow, Center for Human-system Interaction, Eindhoven, The Netherlands (summer terms)
- 1999-2000 Senior Research Fellow, Center for Human-system Interaction, Eindhoven, The Netherlands; Visiting Professor, Universidad Autónoma de Madrid, Spain (sabbatical year)
- 2000- Consulting Editor, *Psicológica*
- 2001-2006 Visiting Professor, TUE, The Netherlands (summer terms)
- 2002-2003 Interim Associate Dean of International Programs, Graduate School, KU
- 2004 Visiting Professor, Universidad Autónoma de Madrid, Spain (summer)
- 2007 Senior Research Fellow, Center for Human-system Interaction, Eindhoven, The Netherlands; Senior Consultant, Philips Research Laboratories, Eindhoven, The Netherlands; Visiting Professor, Universidad Autónoma de Madrid, Spain (sabbatical leave, spring and summer terms)
- 2008 Visiting Professor, TUE, The Netherlands (summer term)
- 2009-2013 Professor of Human Technology Interaction, TUE, The Netherlands (part-time)

### **Teaching and Research Interests:**

Sensation, perception, attention, psychophysics, multimodal perception, cognition, methodology, statistics, psycholinguistics, cognitive development, reading, learning to read, human-computer interaction, and robotics.

### **External Research Grants:**

Principal Investigator (PI), NIMH Grant No. 1 R03 MH24637-01, "Search and decision processes in recognition memory" \$7,346, June 18, 1973 to June 30, 1974.

PI, NSF Grant No. BMS74-12801, "Processes involved in conceptual categorization" \$34,000, Sept. 1, 1974 to Feb. 28, 1977.

Co-PI (with M. Schadler), NIE Grant No. G-77-0010, "An information-processing approach to the development of reading for comprehension" \$89,000, Jan. 1, 1977 to Dec. 31, 1978.

Co-PI (with M. Schadler), NIE Grant No. G-78-0179 (renewal) \$190,000, Sept. 1, 1978 to Aug. 31, 1981.

Co-PI (with D. Bouwhuis), Netherlands Organization for Pure Research, "Control over dispersion of visual attention" \$3,360, July 1 to August 31, 1987.

Co-PI (with J. Botella), Spanish Ministry of Culture and Education, "Spatial-temporal controls of visual attention" \$16,216, September 1, 1999 to May 30, 2000.

Co-PI (with D. Deavours), Bluetooth SIG, Inc., "Interoperability testing of Bluetooth devices: Prototype" \$36,495, August 15, 2003 to March 1, 2004.

Co-PI (with D. Deavours), Bluetooth SIG, Inc., "Interoperability testing of Bluetooth devices: Implementation" \$44,495, January 1 to June 14, 2004.

Co-PI (with D. Deavours), Bluetooth SIG, Inc., Extension to "Interoperability testing of Bluetooth devices: Implementation" \$29,342, June 14, 2004 to December 31, 2004.

Co-PI (with D. Bouwhuis), Netherlands Organization for Pure Research (NWO), "Multi-modal perception" \$29,000, January 1 to August 15, 2007.

Co-PI (with L. Meesters, D. Bouwhuis, & R. Cuijpers), European Commission, 7<sup>th</sup> Programme Framework Grant: "Knowledgeable Service Robotics for Aging" (KSERA). \$4,300,000, February 1, 2010 to January 31, 2013.

### **Technical Reports and Presentations:**

Juola, J.F. (1968). Application of Restle's theory of cue validity to a probability learning situation. Undergraduate honors thesis, Hamline University.

Williams, L.G., Jack, W.H., Shontz, W.D., Juola, J.F., & Hawthorne, D. (1968). A study of visual search using eye movement recordings. Honeywell Inc. Tech. Report 12009-IR4.

Williams, L.G., Fairchild, D.D., Graf, C.P., Trumm, G.A., & Juola, J.F. (1970). Visual search effectiveness for night vision devices. Honeywell Inc. Tech. Report 12070-FR.

Juola, J.F., & Atkinson, R.C. (1970). Recognition latency for words as a function of number of target words, test repetitions, and similarity of distractor words. Paper presented at the Mathematical Psychology Meeting, Miami Beach, Florida.

Juola, J.F. (1972). Repetition and laterality effects on recognition time. Ph.D. dissertation, Stanford University.

Juola, J.F. (1974). How words are categorized: Decisions based on semantic vs. arbitrary rules. Paper presented at the Advanced Workshop on Formal Theories of Information Processing, Stanford University.

Juola, J.F., Choe, C.S., & Leavitt, D.D. (1974). A reanalysis of the word superiority effect. Paper presented at the Psychonomic Society Meeting, Boston.

Taylor, G.A., Miller, T.J., & Juola, J.F. (1975). Isolating the units of visual word perception. Paper presented at the Psychonomic Society Meeting, Denver.

Choe, C.S., & Juola, J.F. (1975). Set and meaningfulness effects on the perception of letter strings. Paper presented at the Psychonomic Society Meeting, Denver.

Juola, J.F., & Atkinson, R.C. (1976). A conjecture on the similarity between memory search and visual search. Paper presented at the XXIst International Congress of Psychology, Paris.

Juola, J.F., Taylor, G.A., & Choe, C.S. (1977). Perceptual processes in reading and word recognition. Paper presented at the NATO Advanced Study Institute on Pattern Recognition, Ile de Bendor, France.

Chabot, R.J., Schadler, M., McCaughey, M., & Juola, J.F. (1977). The development of rapid word processing skills. Paper presented at the Society for Research in Child Development Meeting, New Orleans.

McCaughey, M., Schadler, M., & Juola, J.F. (1977). Visual search performance of adults and beginning readers. Paper presented at the American Psychological Association Meeting, San Francisco.

Chabot, R.J., & Juola, J.F. (1977). Word superiority effects in visual search. Paper presented at the Psychonomic Society Meeting, Washington, D.C.

Friedrich, F.J., Schadler, M., & Juola, J.F. (1978). The development of word recognition processes in reading comprehension. Paper presented at the Rocky Mountain Psychological Association Meeting, Denver.

Juola, J.F. (1979). Visual search through sequentially presented letter strings. Invited paper, Midwestern Psychological Association Meeting, Chicago.

Juola, J.F., Ward, N., Chen, H.-C., & Ikenaga, C. (1980). Reading serially-presented text. Paper presented at the National Reading Conference, San Diego.

Juola, J.F., Ward, N., Chen, H.-C., & Ikenaga, C. (1981). Reading computer-displayed RSVP text. Paper presented at the Midwestern Psychological Association Meeting, Detroit.

Juola, J.F., Cocklin, T.G., & Chen, H.-C. (1982). Reading RSVP text: Trade-offs between unit size and exposure duration. Paper presented at the Midwestern Psychological Association Meeting, Minneapolis.

Chen, H.-C., & Juola, J.F. (1982). The effects of orthographic variations on dimensions of lexical coding. Paper presented at the Midwestern Psychological Association Meeting, Minneapolis.

Juola, J.F., Cocklin, T., Chen, H.-C., & Granaas, M. (1982). Effects of segment size and structure on reading RSVP text. Paper presented at the Psychonomic Society Meeting, Minneapolis.

Juola, J.F., Cocklin, T., & Crouch, T. (1983). Dilation and contraction of the functional fovea. Paper presented at the Psychonomic Society Meeting, San Diego.

Juola, J.F., Haugh, D., Trast, D., Ferraro, F.R., & Liebhaber, M. (1985). Reading with and without eye movements. Paper presented at the Third European Conference on Eye Movements, Dourdan, France.

Juola, J.F., Haugh, D., Trast, S., Ferraro, F.R., & Liebhaber, M. (1986). Improving reading comprehension in less able readers with rapid serial visual presentations. Paper presented at the International Conference on Cognitive Approaches to Reading, Leicester, England.

Juola, J.F., & Bouwhuis, D. (1986). The control of attention around the fovea. Paper presented at the Psychonomic Society Meeting, New Orleans.

Van Nes, F.L., Juola, J.F., & Moonen, R.J.A.M. (1987). Attraction and distraction by text colors on displays. Paper presented at Interact '87, Second IFIP Conference on Human-Computer Interaction, Stuttgart, Germany.

Juola, J.F., Cooper, E., & Warner, B. (1987). Relative effectiveness of size and distance cues in visual attention. Paper presented at the Psychonomic Society Meeting, Seattle.

Van Nes, F.L., Juola, J.F., & Moonen, R.J.A.M. (1988). Facilitation and inhibition of visual display search processes through use of colour. Institute for Perception Research, Eindhoven, The Netherlands, Annual Progress Report.

Warner, C.B., & Juola, J.F. (1988). Voluntary and involuntary controls of attention. Paper presented at the Psychonomic Society Meeting, Chicago.

Warner, C.B., Koshino, H., & Juola, J.F. (1989). Voluntary control of involuntary attention. Paper presented at the Psychonomic Society Meeting, Atlanta.

Melton, E.C., Juola, J.F., & Warner, C.B. (1990). Analysis of word superiority in search for repeated letters. Paper presented at the Psychonomic Society Meeting, New Orleans.

Koshino, H., Warner, C.B., & Juola, J.F. (1991). Suppression of the ability of abrupt onsets to capture visual attention. Paper presented at the Psychonomic Society Meeting, San Francisco.

Juola, J.F., Koshino, H., & Warner, C.B. (1992). Temporal tradeoffs among central arrow, peripheral arrow, and abrupt onset cues. Paper presented at the Psychonomic Society Meeting, St. Louis.

Juola, J.F., Koshino, H., Warner, C.B., McMickell, M., Fiori, T., & Peterson, M. (1993). Automatic and voluntary attention in young and elderly adults. Paper presented at the Psychonomic Society Meeting, Washington, D.C.

McMickell, M. & Juola, J. F. (1994). Target and distractor similarity effects in visual search. Paper presented at the Conference on Converging Operations in Visual Selective Attention, Champaign-Urbana, Illinois.

Juola, J.F. & McMickell, M. (1994). Stimulus similarity effects in visual search. Paper presented at the 17th European Conference on Visual Perception, Eindhoven, The Netherlands.

Peterson, M.S. & Juola, J.F. (1994). Allocation of Attention in 3-D space. Paper presented at the Psychonomic Society Meeting, St. Louis, MO.

Juola, J.F., McMickell, M., Peterson, M.S., Woolsey, S., Duvuru, P., & Prins, N. (1995). Processing RSVP word streams. Paper presented at the Psychonomic Society Meeting, Los Angeles.

Otálvaro, N., & Juola, J.F. (1995). Separability and spatiotemporal selectivity of pattern and flicker mechanisms. Paper presented at the Psychonomic Society Meeting, Los Angeles.

Prins, N., & Juola, J.F. (1996). Attention switching vs. attention sharing in searching RSVP streams. Paper presented at the 19th European Conference on Visual Perception, Strasbourg, France.

Duvuru, P., Winchell, H., Peterson, M.S., & Juola, J.F. (1996). Priming effects on processing RSVP streams. Paper presented at the Psychonomic Society Meeting, Chicago.

Peterson, M.S., & Juola, J.F. (1997). Spatial and temporal dynamics of attentional gating and the attentional blink. Paper presented at the Psychonomic Society Meeting, Philadelphia.

Woolsey, S., Franke, H., Pych, J., & Juola, J.F. (1997). An episodic retrieval account of repetition blindness. Paper presented at the Psychonomic Society Meeting, Philadelphia.

Duvuru, P. & Juola, J.F. (1998). Negative priming in visual search: Effects of stimulus uncertainty. Paper presented at the Psychonomic Society Meeting, Dallas.

Prins, N. & Juola, J.F. (1998). Apparent motion: Solving the correspondence problem in three dimensions. Paper presented at the Psychonomic Society Meeting, Dallas.

Knoll, T., Lee, S., Prins, N., & Juola, J.F. (1998). Visual search through sequential and simultaneous displays. Paper presented at the Psychonomic Society Meeting, Dallas.

Juola, J. F. (1999). A comparison of educational systems at Dutch and American Universities. Paper presented at the Dutch National Student Association meeting in Utrecht, The Netherlands.

Juola, J. F. (1999). Automatic and voluntary components of visual attention in young and elderly adults. Paper presented at the 2<sup>a</sup> Reunión Científica sobre Atención, Santiago de Compostela, Spain.

Van de Par, S., Kohlrausch, A., & Juola, J.F. (1999). Judged synchrony/asynchrony for light-tone pairs. Paper presented at the Psychonomic Society Meeting, Los Angeles.

Botella, J., Barriopedro, M.I., Gil, B., & Juola, J.F. (2000). Explicaciones Alternativas de los Efectos Secuenciales en la Tarea de los Flancos (Alternative explanations for sequential effects in the flanker task). Paper presented at el III Congreso de la Sociedad Española de Psicología Experimental (SEPEX), Barcelona, Spain.

Juola, J.F. Botella, J. and Palacios, A. (2000). Task and location switching effects on the attentional blink. Paper presented at the Psychonomic Society Meeting, New Orleans.

Juola, J.F., Duvuru, P., Land, J.D., MacKay, A., & Hernandez, C. (2001). Does visual search have memory? Paper presented at the Psychonomic Society Meeting, Orlando.

Van de Par, S., Kohlrausch, A., & Juola, J.F. (2001). Differences between synchrony judgments and temporal order judgments for light-tone pairs. Paper presented at the European Acoustical Society Meeting, Seville, Spain.

Willette, E.J., Jones, S., Land, J.D., MacKay, A., Parekh, B., Stone, R., Uddin, A., & Juola, J.F. (2002). Positive and negative priming of location and categorical information in RSVP search. Paper presented at the Psychonomic Society Meeting, Kansas City.

De Liaño, B.T.G.-G., Juola, J.F., & Botella, J. (2003). Task switching and illusory conjunctions in the time domain. Paper presented at the Psychonomic Society Meeting, Vancouver, B.C., Canada.

MacKay, A., Land, D., Ho, M.-C., & Juola, J.F. (2003). Allocation of attention over space-time. Paper presented at the Psychonomic Society Meeting, Vancouver, B.C., Canada.

De Liaño, B.T.G.-G., Juola, J.F., & Botella, J. (2004). Cambio de Tarea y Conjunciones Ilusorias en el Dominio del Tiempo (Task switching and illusory conjunctions in the time domain). Paper presented at the Reunión Científica Sobre Atención, Valencia, Spain.

Van de par, S., Kohlrausch, A., & Juola, J.F. (2004). Some methodological aspects of measuring the point of subjective equality in audio-visual stimuli. Paper presented at the Workshop on Auditory and Multimodal Attention and Perceptual Organization, Kanagawa, Japan.

Juola, J.F., & Voegele, D. (2004). Usability studies of Bluetooth wireless technology. Paper presented at the Bluetooth SIG All Hands Meeting, Kansas City.

Juola, J., & Voegele, D. (2004). First-time usability testing for Bluetooth-enabled devices. Information and Telecommunication Technology Center Technical Report No. ITTC-FY2005-TR-35580-02, University of Kansas.

Krsnich, A.J., Glynn, R.J., Land, D., Yates, M., Jones, S., Dornbusch, S.D., & Juola, J.F. (2004). Search for a matching color-word in a set of Stroop distractors. Paper presented at the Psychonomic Society Meeting, Minneapolis, Minnesota.

Land, D., Kostelnick, J.C., & Juola, J.F. (2005). Judgments of average size change for static and dynamic displays of circles. Paper presented at the Psychonomic Society Meeting, Toronto, Canada.

Land, J.D., Beber, J., Davidson, C., McClain, R., McKee, J., & Juola, J.F. (2006). Temporal properties of memory and inhibition in visual marking. Paper presented at the Psychonomic Society Meeting, Houston, Texas.

Botella, J., Narváez, M., Suero, M., & Juola, J.F. (2006). What a second response tells us about illusory conjunctions in RSVP. Paper presented at the Psychonomic Society Meeting, Houston, Texas.

Eijk, R.L.J. van, Kohlrausch, A., Par, S. van de, & Juola, J.F. (2006). The influence of psychophysical procedure and stimulus type on estimates of human performance in detecting audio-visual asynchrony. Paper presented at the 7<sup>th</sup> International Multisensory Research Forum, Dublin, Ireland.

Kohlrausch, A., Par, S. van de, Eijk, R.L.J. van, & Juola, J.F. (2006). Human performance in detecting audio-visual asynchrony. Paper presented at the Fourth Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan. Honolulu, Hawaii.

Juola, J.F., Eijk, R.L.J. van, Kohlrausch, A., and Par, S. van de (2007). Synchrony detection and temporal order judgments for bimodal stimuli. Paper presented at the joint meeting of the Psychonomic Society and the Experimental Psychology Society, Edinburgh, Scotland.

Eijk, R.L.J., van, Kohlrausch, A., Juola, J.F., and Par, S. van de (2007). Causal relationships affect perceived audio-visual synchrony: Reversed effects for different judgment methods. Paper presented at the 8<sup>th</sup> International Multisensory Research Forum, Sydney, Australia.

Eijk, R.L.J., van, Kohlrausch, A., Juola, J.F., and Par, S. van de (2007). Causal relationships affect perceived audio-visual synchrony: Opposite trends for different stimuli. Paper presented at the 8<sup>th</sup> International Multisensory Research Forum, Sydney, Australia.

Kohlrausch, A., Eijk, R.L.J., van, Par, S. van de, & Juola, J.F. (2007). A systematic influence of stimulus type on audio-visual synchrony perception. Paper presented at the 19<sup>th</sup> International Congress on Acoustic Madrid, Spain.

Eijk, R.L.J., van, Kohlrausch, A., Juola, J.F., and Par, S. van de (2007). Apparent causality and audio-visual synchrony perception. Paper presented at the 48<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, California.

Kohlrausch, A., Juola, J. F., Hermes, D., & Vitevich, M. (2008). Cross-modal synchrony perception reveals aspects of categorical perception. Paper presented at the Acoustica '08 Meeting, Paris, France.



Land, J.D., Kaiser, M., Everson, A., & Juola, J.F. (2008). Comparing IOR and visual marking in a divided search task. Paper presented at the 49<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, Illinois.

Mahmud, A. Al, Mubin, O., Shahid, C.S., Juola, J.F., Ruyter, B.E.R. de (2008). EZ phone: Persuading mobile users to conserve energy. People and Computers XXII, Proceedings of HCI 2008, The 22nd British HCI Group Annual Conference, Liverpool John Moores University, UK, 1 - 5 September 2008. (pp. 7-10). British computer society.

Juola, J.F., Eijk, Rob van, Hermes, D.J., Kohlrausch, A., & Vitevich, M.S. (2009). Categorical Perception of Syllables and Temporal Intervals. Paper presented at the 50<sup>th</sup> Annual Meeting of the Psychonomic Society, Boston, MA.

Torta, E., Cuijpers, R.H., & Juola, J., (2010). A Bayesian model for approaching a human. Paper presented at the European Conference on Cognitive Ergonomics, Delft, The Netherlands.

van der Pol, D., Cuijpers, R.H., & Juola, J., (2010). Head pose estimation for real-time low-resolution video. Paper presented at the European Conference on Cognitive Ergonomics, Delft, The Netherlands.

van der Pol, D., Cuijpers, R.H., & Juola, J.F. (2011). Head pose estimation for a domestic robot. Paper presented at HRI (Human-Robot Interaction) '11, Lausanne, Switzerland.

Torta, E., Cuijpers, R.H., & Juola, J.F. (2011). A model of the user's proximity for Bayesian inference. Paper presented at HRI (Human-Robot Interaction) '11, Lausanne, Switzerland.

Juola, J.F. (2011). Human-robot interaction: Initial contact and communication with aliens. Paper presented at the annual Spring School meeting of the three technical universities in The Netherlands, Rotterdam, The Netherlands.

### **Publications:**

Juola, J.F., & Hergenhahn, B.R. (1967). Probability matching and the overlearning reversal effect. *Psychonomic Science*, 8, 309-310.

Juola, J.F., & Hergenhahn, B.R. (1967). Effects of overtraining on the establishment of mental set in anagram solving. *Psychonomic Science*, 9, 539-540.

- Juola, J.F., & Hergenhahn, B.R. (1968). Method for measuring the accuracy of probability matching. *Perceptual and Motor Skills*, 26, 1098.
- Juola, J.F., & Hergenhahn, B.R. (1968). Effects of training level, type of training, and awareness on the establishment of mental set in anagram solving. *Journal of Psychology*, 69, 155-159.
- Atkinson, R.C., Holmgren, J.E., & Juola, J.F. (1969). Processing time as influenced by the number of elements in a visual display. *Perception & Psychophysics*, 6, 321-326.
- Klatzky, R.L., Juola, J.F., & Atkinson, R.C. (1971). Test stimulus representation and experimental context effects in memory scanning. *Journal of Experimental Psychology*, 87, 281-288.
- Juola, J.F., Fischler, I., Wood, C.T., & Atkinson, R.C. (1971). Recognition time for information stored in long-term memory. *Perception & Psychophysics*, 10, 8-14.
- Juola, J.F., & Atkinson, R.C. (1971). Memory scanning for words versus categories. *Journal of Verbal Learning and Verbal Behavior*, 10, 522-527.
- Fischler, I., & Juola, J.F. (1971). Effects of repeated tests on recognition time for information in long-term memory. *Journal of Experimental Psychology*, 91, 54-58.
- Atkinson, R.C., & Juola, J.F. (1973). Factors influencing speed and accuracy of word recognition. In S. Kornblum (Ed.), *Attention and Performance IV*. New York: Academic Press.
- Juola, J.F. (1973). Repetition and laterality effects on recognition memory for words and pictures. *Memory & Cognition*, 1, 183-192.
- Taylor, G.A., & Juola, J.F. (1974). Priming effects on recognition performance. *Bulletin of the Psychonomic Society*, 3, 277-279.
- Juola, J.F., Taylor, G.A., & Young, M. (1974). Stimulus encoding and decision processes in recognition memory. *Journal of Experimental Psychology*, 102, 1108-1115.
- Atkinson, R.C., & Juola, J.F. (1974). Search and decision processes in recognition memory. In D. Krantz, R. Atkinson, R. Luce, and P. Suppes (Eds.), *Contemporary Developments in Mathematical Psychology*, Vol. 1. San Francisco: W.H. Freeman.
- Holmgren, J.E., Juola, J.F., & Atkinson, R.C. (1974). Response latency in visual search with redundancy in the visual display. *Perception & Psychophysics*, 16, 123-128.
- Juola, J.F. (1974). Recognition of visual patterns. *Contemporary Psychology*, 19, 645-646.
- McFarland, C.R., Kellas, G., Klueger, K., & Juola, J.F. (1974). Category similarity, instance dominance, and categorization time. *Journal of Verbal Learning and Verbal Behavior*, 13, 698-708.

Juola, J.F., Leavitt, D.D., & Choe, C.S. (1974). Letter identification in word, nonword, and single letter displays. *Bulletin of the Psychonomic Society*, 4, 278-280.

Choe, C.S., Welch, R.B., Gilford, R.M., & Juola, J.F. (1975). The "ventriloquist effect:" Visual dominance or response bias? *Perception & Psychophysics*, 18, 55-60.

Gilford, R.M., & Juola, J.F. (1976). Familiarity effects on memory search and visual search. *Bulletin of the Psychonomic Society*, 7, 142-144.

Juola, J.F., McFarland, C.E., & Kellas, G. (1976). Processus constitutifs de la categorisation conceptuelle. In S. Ehrlich and E. Tulving (Eds.), *La Memoire Semantique*. Paris: Bulletin de Psychologie.

Juola, J.F. (1976). Contemporary experimental psychology. *Contemporary Psychology*, 21, 267-268.

Juola, J.F., & McDermott, D.A. (1976). Memory search for lexical and semantic information. *Journal of Verbal Learning and Verbal Behavior*, 15, 567-575.

Chabot, R.J., Miller, T.J., & Juola, J.F. (1976). The relationship between repetition and depth of processing. *Memory & Cognition*, 4, 677-682.

Young, M.E., & Juola, J.F. (1977). Stimulus form effects in recognition memory. *Memory & Cognition*, 5, 131-138.

Taylor, G.A., Miller, T.J., & Juola, J.F. (1977). Isolating visual units in the perception of words and nonwords. *Perception & Psychophysics*, 21, 377-386.

McDermott, D.A., Young, M.E., Gilford, R.M., & Juola, J.F. (1977). Memory search process for words and pictures in elementary school children. *Bulletin of the Psychonomic Society*, 10, 83-84.

Juola, J.F., Taylor, G.A., & Choe, C.S. (1977). Perceptual processes in reading and word recognition. In K.S. Fu and A.B. Whinston (Eds.), *Pattern Recognition Theory and Application*. Leiden, the Netherlands: Noordhoff International.

Juola, J.F., Schadler, M., Chabot, R.J., & McCaughey, M. (1978). The development of information processing skills related to reading. *Journal of Experimental Child Psychology*, 25, 459-476.

McNamara, T., Ward, N., & Juola, J.F. (1978). Visual search for letters in intact and mixed-case words and nonwords. *Bulletin of the Psychonomic Society*, 12, 297-300.

Juola, J.F. (1979). Pattern recognition. In R. Lachman, J.L. Lachman, and E.C. Butterfield, *Cognitive Psychology and Information Processing: An Introduction*. Hillsdale, NJ: Erlbaum Associates.

Mills, R.H., Knox, A.W., Juola, J.F., & Salmon, S.J. (1979). Cognitive loci of impairments in picture naming by aphasic subjects. *Journal of Speech and Hearing Research*, 22, 73-87.

Juola, J.F., Schadler, M., Chabot, R.J., McCaughey, M., & Wait, J. (1979). What do children learn when they learn to read? In L. Resnick and P. Weaver (Eds.), *Theory and Practice of Beginning Reading*, Vol. 2. Hillsdale, New Jersey: Erlbaum Associates.

Friedrich, F.J., Schadler, M., & Juola, J.F. (1979). Developmental changes in units of processing in reading. *Journal of Experimental Child Psychology*, 28, 344-358.

McCaughey, M.W., Juola, J.F., Schadler, M., & Ward, N. (1980). Whole-word units are used before orthographic knowledge in perceptual development. *Journal of Experimental Child Psychology*, 30, 411-421.

Juola, J.F., Ward, N.J., & McNamara, T. (1982). Visual search and reading of rapid, serial presentations of letter strings, words, and text. *Journal of Experimental Psychology: General*, 111, 208- 227.

Ward, N.J., & Juola, J.F. (1982). Reading with and without eye movements: Reply to Just, Carpenter, and Woolley. *Journal of Experimental Psychology: General*, 111, 239-241.

Chen, H.-C., & Juola, J.F. (1982). Dimensions of lexical coding in Chinese and English. *Memory & Cognition*, 10, 216-224.

Whitney, P., Cocklin, T.G., Juola, J.F., & Kellas, G. (1983). A reassessment of typicality effects in free recall. *Bulletin of the Psychonomic Society*, 21, 321-323.

Granaas, M.M., McKay, T.D., Laham, R.D., Hurt, L.D., & Juola, J.F. (1984). Reading moving text on a CRT screen. *Human Factors*, 26, 97-104.

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