

COMPREHENSIVE EXAM READING LIST: ATTENTION

Current Committee Members

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Journals

Below is a list of journals you should monitor for content relevant articles. While we will not ask a question solely on the content of recent articles, we may ask questions that ask you to apply what you know from the content of the reading list below to a current issue or hot topic of recent articles.

- *Attention, Perception, & Psychophysics*
- *Journal of Experimental Psychology: Human Perception and Performance*
- *Journal of Experimental Psychology: Learning, Memory, and Cognition*
- *Visual Cognition*
- *Journal of Cognitive Neuroscience*
- *Journal of Neuroscience*
- *Psychonomic Bulletin & Review*

References

Below are two reference books that we have found useful to have on hand when working through topics in the list below.

- Pashler, H. E. (1998). *The psychology of attention*. Cambridge, MA, US: The MIT Press.
- Monsell, S., & Driver, J. (2000). *Control of cognitive processes: Attention and performance XVIII*. Cambridge, MA, US: The MIT Press.

Selective Attention and the Fate of the Ignored

1. Wood, & Cowan (1995). The cocktail party phenomenon revisited: How frequent are attention shifts to one's name in an irrelevant auditory channel? *Journal of Experimental Psychology: Learning Memory and Cognition*, 21, 255-260.
2. Corteen, R. S., & Wood, B. (1972). Autonomic responses to shock-associated words in an unattended channel. *Journal of Experimental Psychology*, 94(3), 308-313.
3. Lachter, J., Forster, K. I., & Ruthruff, E. (2004). Forty-five years after broadbent (1958): Still no identification without attention. *Psychological review*, 111(4), 880-913.
4. Simons, D., & Chabris, C. (1999). Gorillas in our midst: Sustained inattentive blindness for dynamic events. *Perception*, 28, 1059-1074.
5. Driver J. (2001). A selective review of selective attention research from the past century. *British Journal of Psychology*, 92, 53-78.
6. Chun, M. M. & Marois, R. (2002). The dark side of visual attention. *Current opinion in neurobiology*, 12(2), 184-190.
7. Sheppard, Duncan, Shapiro, & Hillstrom (2002). Objects and events in the attentional blink. *Psychological Science*, 13, 410-415.
8. Treisman A. (2006). How the deployment of attention determines what we see. *Visual Cognition*, 14, 411-443.
9. Lavie, N. (2003). Distracted and confused?: Selective attention under load. *Trends in Cognitive Sciences*, 9, 75-82.

10. Bahrami B., Lavie N., & Rees G. (2007). Attentional load modulates responses of human primary visual cortex to invisible stimuli. *Current Biology*, 17(6), 509-13.

Divided Attention and Visual Search

11. Wolfe, J. (1998). Visual Search. In H Pashler (ed.), *Attention* (pp. 13-22). East Sussex, U K: Psychology Press LTD.
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13. Treisman, A. & Gelade, G. (1980). A feature-integration theory of attention. *Cognitive Psychology*, 12, 97 – 136.
14. Wolfe, J.M. (1994). Guided Search 2.0: a revised model of visual search. *Psychonomic Bulletin and Review*, 1, 202-238.

Attentional Set and Top down control

15. Williams, L.G. (1966). The effect of target specification on objects fixated during visual search. *Perception & Psychophysics*, 1, 315-318.
16. Yarbus, A. L. (1967). *Eye movements and vision* (B. Haigh, trans.). New York, NY: Plenum Press. Chapter 6.
17. Shinoda, H., Hayhoe, M. M., & Shrivastava, A. (2001). What controls attention in natural environments? *Vision Research*, 41(25), 3535-3545.
18. Soto, D., Hodsoll, J., Rotshtein, P., & Humphreys, G. W. (2008). Automatic guidance of attention from working memory. *Trends in Cognitive Sciences*, 12(9), 342-348.
19. Pratt, J., & Hommel, B. (2003). Symbolic control of visual attention: The role of working memory and attentional control settings. *Journal of Experimental Psychology: Human Perception & Performance*, 29(5), 835-845.
20. Folk, C.L., Remington, R.W., & Johnston, J. C. (1992). Involuntary covert orienting is contingent on attentional control settings. *Journal of Experimental Psychology: Human Perception and Performance*, 18, 1030-44.
21. Wolfe, Alvarez, & Horowitz (2000). Attention is fast but volition is slow. *Nature*, 406, 461.

The size, shape, and capacity of attentional focus

22. Chun, M. M., Golomb, J. D., & Turk-Browne, N. B. (2011). A Taxonomy of External and Internal Attention. *Annual Review of Psychology*, 62(1), 73-101.
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Neural Models of Attention

28. Kastner S., & Ungerleider, L.G. (2001). The neural basis of biased competition in human visual cortex. *Neuropsychologia*, 39(12), 1263-1276.

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Dual task interference and automaticity OR maybe attention and practice

38. Ruthruff, E., Pashler, H. E., & Klaassen, A. (2001). Processing bottlenecks in dual-task performance: Structural limitations or strategic postponement? *Psychonomic Bulletin & Review*, 8, 73-80.
39. Strayer, D. L., & Johnston, W. A. (2001). Driven to distraction: Dual-task studies of simulated driving and conversing on a cellular telephone. *Psychological Science*, 12, 462-469.
40. Green, S. C., & Bavelier, D. (2003). Action video game modifies visual selective attention. *Nature*, 423, 534 – 537.
41. Beilock, S. L., Carr, T. H., MacMahon, C., & Starkes, J. L. (2002). When paying attention becomes counterproductive: Impact of divided versus skill-focused attention on novice and experienced performance of sensorimotor skills. *Journal of Experimental Psychology: Applied*, 8, 6-16.

Feature based, objects based, location based, time based systems

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