Downloaded from UvA-DARE, the institutional repository of the University of Amsterdam (UvA)
http://dare.uva.nl/document/152400

File ID	152400
Filename	References

SOURCE (OR PART OF THE FOLLOWING SOURCE):

Type	Dissertation
Title	Conscious and unconscious vision
Author	J.J. Fahrenfort
Faculty	Faculty of Social and Behavioural Sciences
Year	2009
Pages	137
ISBN	978-90-5335-211-3

FULL BIBLIOGRAPHIC DETAILS:
http://dare.uva.nl/record/321144

Copyright

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use.

UvA-DARE is a service provided by the library of the University of Amsterdam (http://dare.uva.nl)

References

Angelucci, A., Levitt, J. B., Walton, E. J. S., Hupe, J. M., Bullier, J., & Lund, J. S. (2002). Circuits for local and global signal integration in primary visual cortex. *Journal of Neuroscience, 22*(19), 8633-8646.

Atkinson, J., & Braddick, O. J. (1989). Where and what in visual-search. *Perception, 18*(2), 181-189.

Bachmann, T., Luiga, I., & Poder, E. (2005). Variations in backward masking with different masking stimuli: II. The effects of spatially quantised masks in the light of local contour interaction, interchannel inhibition, perceptual retouch, and substitution theories. *Perception, 34*(2), 139-153.

Bar, M., Kassam, K. S., Ghuman, A. S., Boshyan, J., Schmid, A. M., Dale, A. M., et al. (2006). Top-down facilitation of visual recognition. *Proceedings of the National Academy of Sciences of the United States of America, 103*(2), 449-454.

Bar, M., Tootell, R. B. H., Schacter, D. L., Greve, D. N., Fischl, B., Mendola, J. D., et al. (2001). Cortical mechanisms specific to explicit visual object recognition. *Neuron, 29*(2), 529-535.

Beck, D. M., Rees, G., Frith, C. D., & Lavie, N. (2001). Neural correlates of change detection and change blindness. *Nature Neuroscience, 4*(6), 645-650.

Becker, M. W., & Anstis, S. (2004). Metacontrast masking is specific to luminance polarity. *Vision Research, 44*(21), 2537-2543.

Benjamini, Y., & Hochberg, Y. (1995). Controlling the False Discovery Rate - a practical and powerful approach to multiple testing. *Journal of the Royal Statistical Society Series B-Methodological, 57*(1), 289-300.

Boehler, C. N., Schoenfeld, M. A., Heinze, H. J., & Hopf, J. M. (2008). Rapid recurrent processing. gates awareness in primary visual cortex. *Proceedings of the National Academy of Sciences of the United States of America, 105*(25), 8742-8747.

Boyer, J. L., Harrison, S., & Ro, T. (2005). Unconscious processing of orientation and color without primary visual cortex. *Proceedings of the National Academy of Sciences of the United States of America, 102*(46), 16875-16879.

Brefczynski, J. A., & DeYoe, E. A. (1999). A physiological correlate of the 'spotlight' of visual attention. *Nature Neuroscience, 2*(4), 370-374.

Breitmeyer, B. G. (1984). *Visual masking: An integrative approach.* Oxfordshire/New York: Oxford/Clarendon Press/Oxford University Press.

Breitmeyer, B. G., & Ogmen, H. (2000). Recent models and findings in visual backward masking: A comparison, review, and update. *Perception & Psychophysics, 62*(8), 1572-1595.

Breitmeyer, B. G., Ro, T., & Ogmen, H. (2004). A comparison of masking by visual and transcranial magnetic stimulation: implications for the study of conscious and unconscious visual processing. *Consciousness and Cognition, 13*(4), 829-843.

Brewer, A. A., Liu, J. J., Wade, A. R., & Wandell, B. A. (2005). Visual field maps and stimulus selectivity in human ventral occipital cortex. *Nature Neuroscience, 8*(8), 1102-1109.

Bridgeman, B. (1980). Temporal response characteristics of cells in monkey striate cortex measured with metacontrast masking and brightness discrimination. *Brain Research, 196*(2), 347-364.

Buschman, T. J., & Miller, E. K. (2007). Top-down versus bottom-up control of attention in the prefrontal and posterior parietal cortices. *Science, 315*(5820), 1860-1862.

Caputo, G., & Casco, C. (1999). A visual evoked potential correlate of global figure-ground segmentation. *Vision Research, 39*(9), 1597-1610.

Cavanaugh, J. R., Bair, W., & Movshon, J. A. (2002). Nature and interaction of signals from the receptive field center and surround in macaque V1 neurons. *Journal of Neurophysiology, 88*(5), 2530-2546.

Chalmers, D. J. (1995). Facing up to the problem of consciousness. *Journal of Consciousness Studies, 2*, 200-219.

Clark, R. E., Broadbent, N. J., Zola, S. M., & Squire, L. R. (2002). Anterograde amnesia and temporally graded retrograde amnesia for a nonspatial memory task after lesions of

hippocampus and subiculum. *Journal of Neuroscience, 22*(11), 4663-4669.

Dehaene, S., Changeux, J. P., Naccache, L., Sackur, J., & Sergent, C. (2006). Conscious, preconscious, and subliminal processing: a testable taxonomy. *Trends in Cognitive Sciences, 10*(5), 204-211.

Dehaene, S., Naccache, L., Cohen, L., Le Bihan, D., Mangin, J. F., Poline, J. B., et al. (2001). Cerebral mechanisms of word masking and unconscious repetition priming. *Nature Neuroscience, 4*(7), 752 - 758.

Dehaene, S., Naccache, L., Le Clec'H, G., Koechlin, E., Mueller, M., Dehaene Lambertz, G., et al. (1998). Imaging unconscious semantic priming. *Nature, 395*(6702), 597-600.

Dehaene, S., Sergent, C., & Changeux, J. P. (2003). A neuronal network model linking subjective reports and objective physiological data during conscious perception. *Proceedings of the National Academy of Sciences of the United States of America, 100*(14), 8520-8525.

Desimone, R., & Duncan, J. (1995). Neural mechanisms of selective visual-attention. *Annual Review of Neuroscience, 18*, 193-222.

Di Lollo, V., Enns, J. T., & Rensink, R. A. (2000). Competition for consciousness among visual events: The psychophysics of reentrant visual processes. *Journal of Experimental Psychology-General, 129*(4), 481-507.

Donchin, E., & Coles, M. G. H. (1988). Is the P300 component a manifestation of context updating? *Behavioral and Brain Sciences, 11*(3), 357-374.

Eimer, M., & Schlaghecken, F. (1998). Effects of masked stimuli on motor activation: Behavioral and electrophysiological evidence. *Journal of Experimental Psychology-Human Perception and Performance, 24*(6), 1737-1747.

Enns, J. T. (2004). Object substitution and its relation to other forms of visual masking. *Vision Research, 44*(12), 1321-1331.

Enns, J. T., & Di Lollo, V. (2000). What's new in visual masking? *Trends in Cognitive Sciences, 4*(9), 345-352.

Epstein, R., & Kanwisher, N. (1998). A cortical representation of the local visual environment. *Nature, 392*(6676), 598-601.

Fahrenfort, J. J., Scholte, H. S., & Lamme, V. A. F. (2007). Masking disrupts reentrant processing in human visual cortex. *Journal of Cognitive Neuroscience, 19*(9), 1488-1497.

Fahrenfort, J. J., Scholte, H. S., & Lamme, V. A. F. (2008). The spatiotemporal profile of cortical processing leading up to visual perception. *Journal of Vision, 8*(1), -.

Fang, F., & He, S. (2005). Cortical responses to invisible objects in the human dorsal and ventral pathways. *Nature Neuroscience, 8*(10), 1380-1385.

Felleman, D. J., & Van Essen, D. C. (1991). Distributed hierarchical processing in the primate cerebral cortex. *Cerebral Cortex, 1*(1), 1-47.

Foxe, J. J., & Simpson, G. V. (2002). Flow of activation from V1 to frontal cortex in humans - A framework for defining "early" visual processing. [Article]. *Experimental Brain Research, 142*(1), 139-150.

Francis, G. (1997). Cortical dynamics of lateral inhibition: Metacontrast masking. *Psychological Review, 104*(3), 572-594.

Gandhi, S. P., Heeger, D. J., & Boynton, G. M. (1999). Spatial attention affects brain activity in human primary visual cortex. *Proceedings of the National Academy of Sciences of the United States of America, 96*(6), 3314-3319.

Genovese, C. R., Lazar, N. A., & Nichols, T. (2002). Thresholding of statistical maps in functional neuroimaging using the false discovery rate. *Neuroimage, 15*(4), 870-878.

Glover, G. H. (1999). Deconvolution of impulse response in event-related BOLD fMRI. *Neuroimage, 9*(4), 416-429.

Gratton, G., Coles, M. G., & Donchin, E. (1983). A new method for off-line removal of ocular artifact. *Electroencephalography and Clinical Neurophysiology, 55*(4), 468-484.

Greenwald, A. G., Klinger, M. R., & Liu, T. J. (1989). Unconscious processing of dichoptically masked words. *Memory & Cognition, 17*(1), 35-47.

Grill-Spector, K. (2003). The neural basis of object perception. *Current Opinion in Neurobiology, 13*(2), 159-166.

Grill-Spector, K., & Kanwisher, N. (2005). Visual recognition - As soon as you know it is there, you know what it is. *Psychological Science, 16*(2), 152-160.

Grill-Spector, K., Kourtzi, Z., & Kanwisher, N. (2001). The lateral occipital complex and its role in object recognition. *Vision Research, 41*(10-11), 1409-1422.

Gross, C. G., Rocha-Miranda, C. E., & Bender, D. B. (1972). Visual properties of neurons in inferotemporal cortex of the Macaque. *Journal of Neurophysiology, 35*(1), 96-111.

Hartline, H. K. (1949). Inhibition of activity of visual receptors by illuminating nearby retinal areas in the Limulus eye. *Federation Proceedings, 8*(7), 69.

Haxby, J. V., Gobbini, M. I., Furey, M. L., Ishai, A., Schouten, J. L., & Pietrini, P. (2001). Distributed and overlapping representations of faces and objects in ventral temporal cortex. *Science, 293*(5539), 2425-2430.

Haynes, J. D., Driver, J., & Rees, G. (2005). Visibility reflects dynamic changes of effective connectivity between V1 and fusiform cortex. *Neuron, 46*(5), 811-821.

Heilman, K. M., & Abell, T. V. D. (1980). Right hemisphere dominance for attention: The mechanism underlying hemispheric asymmetries of inattention (neglect). *Neurology, 30*(3), 327-.

Heinrich, S. P., Andrés, M., & Bach, M. (2007). Attention and visual texture segregation. *Journal of Vision, 7*(6), 1-10.

Hillyard, S. A., Hink, R. F., Schwent, V. L., & Picton, T. W. (1973). Electrical signs of selective attention in the human brain. *Science, 182*(108), 177-180.

Hochstein, S., & Ahissar, M. (2002). View from the top: Hierarchies and reverse hierarchies in the visual system. *Neuron, 36*(5), 791-804.

Hubel, D. H., & Wiesel, T. N. (1962). Receptive fields, binocular interaction and functional architecture in the cat's visual cortex. *Journal of Physiology, 160*, 106-154.

Hubel, D. H., & Wiesel, T. N. (1968). Receptive fields and functional architecture of monkey striate cortex. *Journal of Physiology, 195*(1), 215-243.

Hupe, J. M., James, A. C., Payne, B. R., Lomber, S. G., Girard, P., & Bullier, J. (1998). Cortical feedback improves discrimination between figure and background by V1, V2 and V3 neurons. [10.1038/29537]. *Nature, 394*(6695), 784-787.

Jolij, J., Scholte, H. S., Van Gaal, S., & Lamme, V. A. F. (in press). The brain decides late: long latency visual evoked potentials reflect perceptual decisions. *Journal of Cognitive Neuroscience.*

Kanwisher, N., McDermott, J., & Chun, M. M. (1997). The fusiform face area: A module in human extrastriate cortex specialized for face perception. *Journal of Neuroscience, 17*(11), 4302-4311.

Kastner, S., Pinsk, M. A., De Weerd, P., Desimone, R., & Ungerleider, L. G. (1999). Increased activity in human visual cortex during directed attention in the absence of visual stimulation. *Neuron, 22*(4), 751-761.

Kastner, S., & Ungerleider, L. G. (2000). Mechanisms of visual attention in the human cortex. *Annual Review of Neuroscience, 23*, 315-341.

Knierim, J. J., & Van Essen, D. C. (1992). Neuronal responses to static texture patterns in area-V1 of the alert macaque monkey. *Journal of Neurophysiology, 67*(4), 961-980.

Koivisto, M., Revonsuo, A., & Lehtonen, M. (2006). Independence of visual awareness from the scope of attention: An electrophysiological study. *Cerebral Cortex, 16*(3), 415-424.

Koivisto, M., Revonsuo, A., & Salminen, N. (2005). Independence of visual awareness from attention at early processing stages. *Neuroreport, 16*(8), 817-821.

Kok, A. (2001). On the utility of P3 amplitude as a measure of processing capacity. *Psychophysiology, 38*(3), 557-577.

Kolb, F. C., & Braun, J. (1995). Blindsight in normal observers. *Nature, 377*(6547), 336-338.

Konen, C. S., & Kastner, S. (2008). Two hierarchically organized neural systems for object information in human visual cortex. *Nature Neuroscience, 11*(2), 224-231.

Kouider, S., Eger, E., Dolan, R., & Henson, R. N. (2008). Activity in face-responsive brain regions is modulated by invisible, attended faces: evidence from masked priming. *Cerebral Cortex, 19*(1), 13-23.

Kovacs, G., Vogels, R., & Orban, G. A. (1995). Cortical correlate of pattern backward-masking. *Proceedings of the National Academy of Sciences of the United States of America, 92*(12), 5587-5591.

Kovacs, I., Papathomas, T. V., Yang, M., & Feher, A. (1996). When the brain changes its mind: Interocular grouping during

binocular rivalry. *Proceedings of the National Academy of Sciences of the United States of America, 93*(26), 15508-15511.

Kranczioch, C., Debener, S., & Engel, A. K. (2003). Event-related potential correlates of the attentional blink phenomenon. *Cognitive Brain Research, 17*(1), 177-187.

Kranczioch, C., Debener, S., Schwarzbach, J., Goebel, R., & Engel, A. K. (2005). Neural correlates of conscious perception in the attentional blink. *Neuroimage, 24*(3), 704-714.

Lamme, V. A. F. (1995). The neurophysiology of figure ground segregation in primary visual-cortex. *Journal of Neuroscience, 15*(2), 1605-1615.

Lamme, V. A. F. (2001). Blindsight: the role of feedforward and feedback corticocortical connections. *Acta Psychologica, 107*(1-3), 209-228.

Lamme, V. A. F. (2003). Why visual attention and awareness are different. *Trends in Cognitive Sciences, 7*(1), 12-18.

Lamme, V. A. F. (2004). Separate neural definitions of visual consciousness and visual attention; a case for phenomenal awareness. *Neural Networks, 17*(5-6), 861-872.

Lamme, V. A. F. (2006). Towards a true neural stance on consciousness. *Trends in Cognitive Sciences, 10*(11), 494-501.

Lamme, V. A. F., Rodriguez-Rodriguez, V., & Spekreijse, H. (1999). Separate processing dynamics for texture elements, boundaries and surfaces in primary visual cortex of the macaque monkey. *Cerebral Cortex, 9*(4), 406-413.

Lamme, V. A. F., & Roelfsema, P. R. (2000). The distinct modes of vision offered by feedforward and recurrent processing. *Trends in Neurosciences, 23*(11), 571-579.

Lamme, V. A. F., Super, H., Landman, R., Roelfsema, P. R., & Spekreijse, H. (2000). The role of primary visual cortex (V1) in visual awareness. *Vision Research, 40*(10-12), 1507-1521.

Lamme, V. A. F., Super, H., & Spekreijse, H. (1998). Feedforward, horizontal, and feedback processing in the visual cortex. *Current Opinion in Neurobiology, 8*(4), 529-535.

Lamme, V. A. F., Van Dijk, B. W., & Spekreijse, H. (1992). Texture segregation is processed by primary visual cortex in man and monkey. Evidence from VEP experiments. *Vision Research, 32*(5), 797-807.

Lamme, V. A. F., Van Dijk, B. W., & Spekreijse, H. (1993). Contour from motion processing occurs in primary visual cortex. *Nature, 363*(6429), 541-543.

Lamme, V. A. F., Zipser, K., & Spekreijse, H. (1998). Figure-ground activity in primary visual cortex is suppressed by anesthesia. *Proceedings of the National Academy of Sciences of the United States of America, 95*(6), 3263-3268.

Lamme, V. A. F., Zipser, K., & Spekreijse, H. (2002). Masking interrupts figure-ground signals in V1. *Journal of Cognitive Neuroscience, 14*(7), 1044-1053.

LaRock, E. (2007). Disambiguation, binding, and the unity of visual consciousness. *Theory & Psychology, 17*(6), 747-777.

Lee, S. H., Blake, R., & Heeger, D. J. (2005). Traveling waves of activity in primary visual cortex during binocular rivalry. *Nature Neuroscience, 8*(1), 22-23.

Liu, J., Harris, A., & Kanwisher, N. (2002). Stages of processing in face perception: an MEG study. [10.1038/nn909]. *Nature Neuroscience, 5*(9), 910-916.

Logothetis, N. K., Pauls, J., Augath, M., Trinath, T., & Oeltermann, A. (2001). Neurophysiological investigation of the basis of the fMRI signal. *Nature, 412*(6843), 150-157.

Luck, S. J., Chelazzi, L., Hillyard, S. A., & Desimone, R. (1997). Neural mechanisms of spatial selective attention in areas V1, V2, and V4 of macaque visual cortex. *Journal of Neurophysiology, 77*(1), 24-42.

Luck, S. J., Girelli, M., McDermott, M. T., & Ford, M. A. (1997). Bridging the gap between monkey neurophysiology and human perception: An ambiguity resolution theory of visual selective attention. *Cognitive Psychology, 33*(1), 64-87.

Luck, S. J., Vogel, E. K., & Shapiro, K. L. (1996). Word meanings can be accessed but not reported during the attentional blink. *Nature, 383*(6601), 616-618.

Lumer, E. D., & Rees, G. (1999). Covariation of activity in visual and prefrontal cortex associated with subjective visual perception. *Proceedings of the National Academy of Sciences of the United States of America, 96*(4), 1669-1673.

Mack, M. L., Gauthier, I., Sadr, J., & Palmeri, T. J. (2008). Object,detection and basic-level categorization: Sometimes

you know it is there before you know what it is. *Psychonomic Bulletin & Review, 15*(1), 28-35.

Macknik, S. L., & Livingstone, M. S. (1998). Neuronal correlates of visibility and invisibility in the primate visual system. *Nature Neuroscience, 1*(2), 144-149.

Macknik, S. L., & Martinez-Conde, S. (2004). Dichoptic visual masking reveals that early binocular neurons exhibit weak interocular suppression: Implications for binocular vision and visual awareness. *Journal of Cognitive Neuroscience, 16*(6), 1049-1059.

Malach, R., Reppas, J. B., Benson, R. R., Kwong, K. K., Jiang, H., Kennedy, W. A., et al. (1995). Object-related activity revealed by functional magnetic-resonance-imaging in human occipital cortex. *Proceedings of the National Academy of Sciences of the United States of America, 92*(18), 8135-8139.

Marcus, D. S., & Van Essen, D. C. (2002). Scene segmentation and attention in primate cortical areas V1 and V2. *Journal of Neurophysiology, 88*(5), 2648-2658.

Marois, R., Yi, D. J., & Chun, M. M. (2004). The neural fate of consciously perceived and missed events in the aftentional blink. *Neuron, 41*(3), 465-472.

Marr, D. (1982). *Vision: A computational investigation into the human representation and processing of visual information*. San Francisco: W.H. Freeman.

Martinez, A., Anllo-Vento, L., Sereno, M. I., Frank, L. R., Buxton, R. B., Dubowitz, D. J., et al. (1999). Involvement of striate and extrastriate visual cortical areas in spatial attention. *Nature Neuroscience, 2*(4), 364-369.

McCormick, P. A. (1997). Orienting attention without awareness. *Journal of Experimental Psychology-Human Perception and Performance, 23*(1), 168-180.

Mesulam, M. M. (1999). Spatial attention and neglect: parietal, frontal and cingulate contributions to the mental representation and attentional targeting of salient extrapersonal events. *Philosophical Transactions of the Royal Society of London Series B-Biological Sciences, 354*(1387), 1325-1346.

Miller, B. T., & D'Esposito, M. (2005). Searching for "the top" in top-down control. *Neuron, 48*(4), 535-538.

Milner, A. D., & Goodale, M. A. (1995). *The visual brain in action*: Oxford University Press, Oxford.

Moutoussis, K., & Zeki, S. (2002). The relationship between cortical activation and perception investigated with invisible stimuli. *Proceedings of the National Academy of Sciences of the United States of America, 99*(14), 9527-9532.

Mulckhuyse, M., Talsma, D., & Theeuwes, J. (2007). Grabbing attention without knowing: Automatic capture of attention by subliminal spatial cues. *Visual Cognition, 15*(7), 779-788.

Müller, N. G., & Kleinschmidt, A. (2004). The attentional 'spotlight's' penumbra: center-surround modulation in striate cortex. *Neuroreport, 15*(6), 977-980.

Murray, S. O., Boyaci, H., & Kersten, D. (2006). The representation of perceived angular size in human primary visual cortex. [10.1038/nn1641]. *Nature Neuroscience, 9*(3), 429-434.

Naccache, L., Gaillard, R., Adam, C., Hasboun, D., Clemenceau, S., Baulac, M., et al. (2005). A direct intracranial record of emotions evoked by subliminal words. *Proceedings of the National Academy of Sciences of the United States of America, 102*(21), 7713-7717.

Nakayama, K., Zijiang, J. H., & Shinsuke, S. (1995). Visual surface representation: A critical link between lower-level and higher-level vision. In D. N. Osherson, L. R. Gleitman & S. M. Kosslyn (Eds.), *An Invitation to Cognitive Science* (pp. 1-70). Cambridge: MIT Press.

Nieuwenhuis, S., Aston-Jones, G., & Cohen, J. D. (2005). Decision making, the p3, and the locus coeruleus-norepinephrine system. *Psychological Bulletin, 131*(4), 510-532.

Nunez, P., & Srinivasan, R. (2006). *Electric fields of the brain*. Oxford: Oxford University Press.

Ogmen, H., Breitmeyer, B. G., & Melvin, R. (2003). The what and where in visual masking. *Vision Research, 43*(12), 1337-1350.

Oram, M. W., & Perrett, D. I. (1992). Time course of neural responses discriminating different views of the face and head. *Journal of Neurophysiology, 68*(1), 70-84.

Pascual-Leone, A., & Walsh, V. (2001). Fast backprojections from the motion to the primary visual area necessary for visual awareness. *Science, 292*(5516), 510-512.

Perrin, F., Pernier, J., Bertrand, O., & Echallier, J. F. (1989). Spherical splines for scalp potential and current-density mapping. *Electroencephalography and Clinical Neurophysiology, 72*(2), 184-187.

Peterson, M. A., & Gibson, B. S. (1993). Shape-recognition inputs to figure ground organization in 3-dimensional displays. *Cognitive Psychology, 25*(3), 383-429.

Peterson, M. A., & Gibson, B. S. (1994). Must figure-ground organization precede object recognition - an assumption in peril. *Psychological Science, 5*(5), 253-259.

Philiastides, M. G., Ratcliff, R., & Sajda, P. (2006). Neural representation of task difficulty and decision making during perceptual categorization: A timing diagram. *Journal of Neuroscience, 26*(35), 8965-8975.

Philiastides, M. G., & Sajda, P. (2006). Temporal characterization of the neural correlates of perceptual decision making in the human brain. *Cerebral Cortex, 16*(4), 509-518.

Pins, D., & ffytche, D. (2003). The neural correlates of conscious vision. *Cerebral Cortex, 13*(5), 461-474.

Rao, R. P. N., & Ballard, D. H. (1999). Predictive coding in the visual cortex: a functional interpretation of some extra-classical receptive-field effects. [10.1038/4580]. *Nature Neuroscience, 2*(1), 79-87.

Ro, T., Breitmeyer, B., Burton, P., Singhal, N. S., & Lane, D. (2003). Feedback contributions to visual awareness in human occipital cortex. *Current Biology, 13*(12), 1038-1041.

Rodriguez, E., George, N., Lachaux, J. P., Martinerie, J., Renault, B., & Varela, F. J. (1999). Perception's shadow: long-distance synchronization of human brain activity. *Nature, 397*(6718), 430-433.

Roelfsema, P. R. (2006). Cortical algorithms for perceptual grouping. *Annual Review of Neuroscience, 29*, 203-227.

Roelfsema, P. R., Lamme, V. A. F., & Spekreijse, H. (1998). Object-based attention in the primary visual cortex of the macaque monkey. *Nature, 395*(6700), 376-381.

Roelfsema, P. R., Lamme, V. A. F., & Spekreijse, H. (2000). The implementation of visual routines. *Vision Research, 40*(10-12), 1385-1411.

Roelfsema, P. R., Lamme, V. A. F., Spekreijse, H., & Bosch, H. (2002). Figure-ground segregation in a recurrent network architecture. *Journal of Cognitive Neuroscience, 14*(4), 525-537.

Roelfsema, P. R., Tolboom, M., & Khayat, P. S. (2007). Different processing phases for features, figures, and selective attention in the primary visual cortex. *Neuron, 56*(5), 785-792.

Rolls, E. T., & Tovee, M. J. (1994). Processing speed in the cerebral-cortex and the neurophysiology of visual masking. *Proceedings of the Royal Society of London Series B-Biological Sciences, 257*(1348), 9-15.

Rubin, E. (1958). *Figure and ground*. New York: Van Nostrand.

Scholte, H. S., Witteveen, S. C., Spekreijse, H., & Lamme, V. A. F. (2006). The influence of inattention on the neural correlates of scene segmentation. *Brain Research, 1076*(1), 106-115.

Schultz, W. (2001). Reward signaling by dopamine neurons. *Neuroscientist, 7*(4), 293-302.

Schwarzlose, R. F., Swisher, J. D., Dang, S. B., & Kanwisher, N. (2008). The distribution of category and location information across object-selective regions in human visual cortex. *Proceedings of the National Academy of Sciences of the United States of America, 105*(11), 4447-4452.

Sereno, M. I., Dale, A. M., Reppas, J. B., Kwong, K. K., Belliveau, J. W., Brady, T. J., et al. (1995). Borders of multiple visual areas in humans revealed by functional magnetic resonance imaging. *Science, 268*(5212), 889-893.

Sergent, C., Baillet, S., & Dehaene, S. (2005). Timing of the brain events underlying access to consciousness during the attentional blink. *Nature Neuroscience, 8*(10), 1391-1400.

Serre, T., Oliva, A., & Poggio, T. (2007). A feedforward architecture accounts for rapid categorization. *Proceedings of the National Academy of Sciences of the United States of America, 104*(15), 6424-6429.

Shear, J. (1999). *Explaining consciousness: The hard problem*. MIT Press, 1999.

Silvanto, J., Cowey, A., Lavie, N., & Walsh, V. (2005). Striate cortex (V1) activity gates awareness of motion. *Nature Neuroscience, 8*(2), 143-144.

Sirotin, Y. B., & Das, A. (2009). Anticipatory haemodynamic signals in sensory cortex not predicted by local neuronal activity. *Nature, 457*(7228), 475-U476.

Skiera, G., Petersen, D., Skalej, M., & Fahle, M. (2000). Correlates of figure-ground segregation in fMRI. *Vision Research, 40*(15), 2047-2056.

Slotnick, S. D., Schwarzbach, J., & Yantis, S. (2003). Attentional inhibition of visual processing in human striate and extrastriate cortex. *Neuroimage, 19*(4), 1602-1611.

Smith, A. T., Singh, K. D., & Greenlee, M. W. (2000). Attentional suppression of activity in the human visual cortex. *Neuroreport, 11*(2), 271-277.

Smith, A. T., Singh, K. D., Williams, A. L., & Greenlee, M. W. (2001). Estimating receptive field size from fMRI data in human striate and extrastriate visual cortex. *Cerebral Cortex, 11*(12), 1182-1190.

Smith, A. T., Williams, A. L., & Singh, K. D. (2004). Negative BOLD in the visual cortex: Evidence against blood stealing. *Human Brain Mapping, 21*(4), 213-220.

Smith, M. L., Gosselin, F., & Schyns, P. G. (2004). Receptive fields for flexible face categorizations. *Psychological Science, 15*(11), 753-761.

Spratling, M. W., & Johnson, M. H. (2004). A feedback model of visual attention. *Journal of Cognitive Neuroscience, 16*(2), 219-237.

Stern, C. E., Corkin, S., Gonzalez, R. G., Guimaraes, A. R., Baker, J. R., Jennings, P. J., et al. (1996). The hippocampal formation participates in novel picture encoding: Evidence from functional magnetic resonance imaging. *Proceedings of the National Academy of Sciences of the United States of America, 93*(16), 8660-8665.

Super, H., Spekreijse, H., & Lamme, V. A. F. (2001). Two distinct modes of sensory processing observed in monkey primary visual cortex (V1). *Nature Neuroscience, 4*(3), 304-310.

Super, H., van der Togt, C., Spekreijse, H., & Lamme, V. A. F. (2003). Internal state of monkey primary visual cortex (V1) predicts figure-ground perception. *Journal of Neuroscience, 23*(8), 3407-3414.

Thompson, K. G., & Schall, J. D. (1999). The detection of visual signals by macaque frontal eye field during masking. *Nature Neuroscience, 2*(3), 283-288.

Thorpe, S., Fize, D., & Marlot, C. (1996). Speed of processing in the human visual system. *Nature, 381*(6582), 520-522.

Tong, F., Nakayama, K., Vaughan, J. T., & Kanwisher, N. (1998). Binocular rivalry and visual awareness in human extrastriate cortex. *Neuron, 21*(4), 753-759.

Tootell, R. B. H., Hadjikhani, N., Hall, E. K., Marrett, S., Vanduffel, W., Vaughan, J. T., et al. (1998). The retinotopy of visual spatial attention. *Neuron, 21*(6), 1409-1422.

Treisman, A. M., & Gelade, G. (1980). Feature-integration theory of attention. *Cognitive Psychology, 12*(1), 97-136.

Trotter, Y. (1995). Cortical representation of visual three-dimensional space. *Perception, 24*(3), 287-298.

Ungerleider, L. G., & Mishkin, M. (1982). Two cortical visual systems. In D. J. Ingle, M. A. Goodale & R. J. W. Mansfield (Eds.), *Analysis of visual behavior* (pp. 549–586): Cambridge, MA: The MIT Press.

VanRullen, R., & Koch, C. (2003). Visual selective behavior can be triggered by a feed-forward process. *Journal of Cognitive Neuroscience, 15*(2), 209-217.

Vigneau, M., Beaucousin, V., Herve, P. Y., Duffau, H., Crivello, F., Houde, O., et al. (2006). Meta-analyzing left hemisphere language areas: Phonology, semantics, and sentence processing. *NeuroImage, 30*(4), 1414-1432.

Vorberg, D., Mattler, U., Heinecke, A., Schmidt, T., & Schwarzbach, J. (2003). Different time courses for visual perception and action priming. *Proceedings of the National Academy of Sciences of the United States of America, 100*(10), 6275-6280.

Wandell, B. A. (1999). Computational neuroimaging of human visual cortex. *Annual Review of Neuroscience, 22*, 145-+.

Wandell, B. A., Brewer, A. A., & Dougherty, R. F. (2005). Visual field map clusters in human cortex. *Philosophical Transactions of the Royal Society B-Biological Sciences, 360*(1456), 693-707.

Weidner, R., Shah, N. J., & Fink, G. R. (2006). The neural basis of perceptual hypothesis generation and testing. *Journal of Cognitive Neuroscience, 18*(2), 258-266.

Weiskrantz, L., Barbur, J. L., & Sahraie, A. (1995). Parameters affecting conscious versus unconscious visual-discrimination with damage to the visual-cortex (V1). *Proceedings of the National Academy of Sciences of the United States of America, 92*(13), 6122-6126.

Weiskrantz, L., Warrington, E. K., Sanders, M. D., & Marshall, J. (1974). Visual capacity in the hemianopic field following a restricted occipital ablation. *Brain, 97*(1), 709-728.

Wickens, T. D. (2002). *Elementary signal detection theory*. Oxford ; New York: Oxford University Press.

Wilenius-Emet, M., Revonsuo, A., & Ojanen, V. (2004). An electrophysiological correlate of human visual awareness. *Neuroscience Letters, 354*(1), 38-41.

Wilke, M., Logothetis, N. K., & Leopold, D. A. (2003). Generalized flash suppression of salient visual targets. *Neuron, 39*(6), 1043-1052.

Woodman, G. F., & Luck, S. J. (2003). Dissociations among attention, perception, and awareness during object-substitution masking. *Psychological Science, 14*(6), 605-611.

Yoshor, D., Bosking, W. H., Ghose, G. M., & Maunsell, J. H. (2007). Receptive fields in human visual cortex mapped with surface electrodes. *Cerebral Cortex, 17*(10), 2293-2302.

Zhang, W. W., & Luck, S. J. (2009). Feature-based attention modulates feedforward visual processing. *Nature Neuroscience, 12*(1), 24-25.

Zipser, K., Lamme, V. A. F., & Schiller, P. H. (1996). Contextual modulation in primary visual cortex. *Journal of Neuroscience, 16*(22), 7376-7389.