References

Abbott, L. F., Varela, K., Sen, K., & Nelson, S. B. (1997). Synaptic depression and cortical gain control. *Science*, *275*, 220–223.

Addington, J., & Addington, D. (1998). Facial affect recognition and information processing in schizophrenia and bipolar disorder. *Schizophrenia Research*, *32*, 171–181.

Aggelopoulos, N. C., Franco, L., & Rolls, E. T. (2005). Object perception in natural scenes: Encoding by inferior temporal cortex simultaneously recorded neurons. *Journal of Neurophysiology*, *93*, 1342–1367.

Aglioti, S., DeSouza, J. F. X., & Goodale, M. A. (1995). Size-contrast illusions deceive the eye but not the hand. *Current Biology*, *5*, 679–685.

Albert, M. L., Soffer, D., Silverberg, R., & Reches, A. (1979). The anatomic basis of visual agnosia. *Neurology*, *29*, 876–879.

Alkire, M. T., Haier, R. J., & Fallon, J. H. (2000). Toward a unified theory of narcosis: Brain imaging evidence for a thalamocortical switch as the neurophysiologic basis of anesthetic-induced unconsciousness. *Consciousness and Cognition*, *9*, 387–395.

Allison, T., Goff, W. R., Williamson, P. D., & Van Gilder, J. C. (1980). On the neural origin of early components of the human somatosensory evoked potential. In J. Desmedt (Ed.), *Clinical uses of cerebral, brainstem and spinal somatosensory evoked potentials* (pp. 51–68). Basel, Switzerland: Karger.

Allman, F., Miezin, F., & McGuiness, E. (1985). Stimulus specific responses from beyond the classical receptive field: Neuro-physiological mechanisms for local–global comparisons in visual neurons. *Annual Review of Neuroscience*, *8*, 407–430.

Alpern, M. (1953). Metacontrast. *Journal of the Optical Society of America*, *43*, 648–657.

Amassian, V. E., Cracco, R. Q., Maccabee, P. J., Cracco, J. B., Rudell, A., & Eberle, L. (1989). Suppression of visual perception by magnetic coil stimulation of human occipital cortex. *Electroencephalography and Clinical Neurophysiology*, *74*, 458–462.

Amassian, V. E., Cracco, R. Q., Maccabee, P. J., Cracco, J. B., Rudell, A. P., & Eberle, L. (1993). Unmasking human visual perception with the magnetic coil and its relationship to hemispheric asymmetry. *Brain Research*, *605*, 312–316.

Anbar, S., & Anbar, D. (1982). Visual masking: A unified approach. *Perception*, *11*, 427–439.

Anders, S., Birbaumer, N., Sadowski, B., Erb, M., Mader, I., Grodd, W., & Lotze, M. (2004). Parietal somatosensory association cortex mediates affective blindsight. *Nature Neuroscience*, *7*, 339–340.

Andersen, R. A., Snyder, L. H., Bradley, D. C., & Xing, J. (1997). Multimodal representation of space in the posterior parietal cortex and its use in planning movements. *Annual Review of Neuroscience*, *20*, 303–330.

Andreasen, N. C., & Olsen, S. (1982). Negative vs. positive schizophrenia. *Archives of General Psychiatry*, *39*, 789–794.

Anllo-Vento, L., Luck, S. J., & Hillyard, S. A. (1998). Spatio-temporal dynamics of attention to color: Evidence from human electrophysiology. *Human Brain Mapping*, *6*, 216–238.

Ansorge, U., Klotz, W., & Neumann, O. (1998). Manual and verbal responses to completely masked (unreportable) stimuli: Exploring some conditions for the metacontrast dissociation. *Perception*, *27*, 1177–1189.

Arnold, D. H., & Clifford, C. W. G. (2002). Determinants of asynchronous processing in vision. *Proceedings of the Royal Society of London, B*, *269*, 579–583.

Arrington, K. F. (1994). The temporal dynamics of brightness filling-in. *Vision Research*, *34*, 3371–3387.

Aschersleben, G., & Bachmann, T. (submitted). *Synchronisation and metacontrast stimulation: Evidence for the dual-process attentional theory.*

Azouz, R., & Gray, C. M. (1999). Cellular mechanisms contributing to response variability of cortical neurons in vivo. *Journal of Neuroscience*, *19*, 2209–2223.

Azzopardi, P., & Cowey, A. (1997). Is blindsight like normal, near-threshold vision? *Proceedings of the National Academy of Sciences, USA*, *94*, 14190–14194.

Azzopardi, P., Fallah, M., Gross, C. G., & Rodman, H. T. (1998). Responses of neurons in visual areas MT and MTS after lesions of striate cortex in macaque monkeys. *Society of Neuroscience Abstracts*, *24*, 648.

Baars, B. J. (1988). *A cognitive theory of consciousness*. Cambridge, England: Cambridge University Press.

Baars, B. J. (1997). *In the theater of consciousness: The workspace of the mind*. Oxford, England: Oxford University Press.

Baars, B. J. (2002). The conscious access hypothesis: Origins and recent evidence. *Trends in Cognitive Sciences*, *6*, 47–52.

Baars, B. J., Ramsoy, T. Z., & Laureys, S. (2003). Brain, conscious experience and the observing self. *Trends in Neurosciences*, *26*, 671–675.

Bach, M., & Meigen, T. (1992). Electrophysiological correlates of texture segregation in the human visual evoked potential. *Vision Research*, *32*, 417–424.

Bachmann, T. (1984). The process of perceptual retouch: Nonspecific afferent activation dynamics in explaining visual masking. *Perception and Psychophysics*, *35*, 69–84.

Bachmann, T. (1987). Different trends in perceptual pattern microgenesis as a function of the spatial range of local brightness averaging. *Psychological Research*, *49*, 107–111.

Bachmann, T. (1988). Time course of the subjective contrast enhancement for a second stimulus in successively paired above-threshold transient forms: Perceptual retouch instead of forward masking. *Vision Research*, *28*, 1255–1261.

Bachmann, T. (1989). Microgenesis as traced by the transient paired-forms paradigm. *Acta Psychologica*, *70*, 3–17.

Bachmann, T. (1994). *Psychophysiology of visual masking: The fine structure of conscious experience*. Commack, NY: Nova Science.

Bachmann, T. (1999). Twelve spatiotemporal phenomena, and one explanation. In G. Ascersleben, T. Bachmann, & J. Müsseler (Eds.), *Cognitive contributions to the perception of spatial and temporal events* (pp. 173–212). Amsterdam: Elsevier.

Bachmann, T. (2000). *Microgenetic approach to the conscious mind*. Amsterdam: John Benjamins.

Bachmann, T., & Allik, J. (1976). Integration and interruption in the masking of form by form. *Perception*, *5*, 79–97.

Bachmann, T., Luiga, I., & Põder, E. (2004a). Forward masking of faces by spatially quantized random and structured masks. *Psychological Research*, *69*, 11–29.

Bachmann, T., Luiga, I., Põder, E., & Kalev, K. (2003). Perceptual acceleration of objects in stream: Evidence from flash-lag displays. *Consciousness and Cognition*, *12*, 279–297.

Bachmann, T., Luiga, I., & Põder, E. (2005a). Variations in backward masking with different masking stimuli: I. Local interaction versus attentional switch. *Perception*, *34*, 131–137.

Bachmann, T., Luiga, I., & Põder, E. (2005b). 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*, 139–154.

Bachmann, T., & Põder, E. (2001). Change in feature space is not necessary for the flash-lag effect. *Vision Research*, *41*, 1103–1106.

Bachmann, T., Põder, E., & Luiga, I. (2004b). Illusory reversal of temporal order: The bias to report a dimmer stimulus as the first. *Vision Research*, *44*, 241–246.

Bair, W., Cavanaugh, J. R., & Movshon, J. A. (2003). Time course and time–distance relationships for surround suppression in macaque V1 neurons. *Journal of Neuroscience*, *23*, 7690–7701.

Baizer, J. S., Ungerleider, L. G., & Desimone, R. (1991). Organization of visual inputs to the inferior temporal and posterior parietal cortex in macaques. *Journal of Neuroscience*, *11*, 168–190.

Baldo, M. V. C., Kihara, A. H., Namba, J., & Klein, S. A. (2002). Evidence for an attentional component of the perceptual misalignment between moving and flashed stimuli. *Perception*, *31*, 17–30.

Barbur, J. L. (1995). A study of pupil response components in human vision. In J. G. Robbins, M. B. A. Djamgoz, & A. Taylor (Eds.), *Basic and clinical perspectives in vision research* (pp. 3–18). New York: Plenum.

Barnes, G. R., & Asselman, P. T. (1991). The mechanism of prediction in human smooth pursuit eye movements. *Journal of Physiology*, *439*, 439–461.

Bartels, A., & Zeki, S. (1999). The clinical and functional measurement of cortical (in)activity in the visual brain, with special reference to the two subdivisions (V4 and V4α) of the human colour centre. *Philosophical Transactions of the Royal Society of London, B*, *354*, 1371–1382.

Battaglia, F., & Treves, A. (1998). Stable and rapid recurrent processing in realistic autoassociative memories. *Neural Computation*, *10*, 431–450.

Baumann, R., van der Zwaan, R., & Peterhans, E. (1997). Figure-ground segregation at contours: A neural mechanisms in the visual cortex of the alert monkey. *European Journal of Neuroscience*, *9*, 1290–1303.

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

Bedell, H. E., Chung, S. T. L., Öğmen, H., & Patel, S. S. (2003). Color and motion: Which is the tortoise and which is the hare? *Vision Research*, *43*, 2403–2412.

Bedwell, J. S., Brown, J. M., & Miller, L. S. (2003). The magnocellular visual system and schizophrenia: What can the color red tell us? *Schizophrenia Research*, *63*, 273–284.

Behrendt, R. P. (2003). Hallucinations: Synchronisation of thalamocortical gamma oscillations underconstrained by sensory input. *Consciousness and Cognition*, *12*, 413–451.

Benardete, E. A., & Kaplan, E. (1997). The receptive field of the primate P retinal ganglion cell: I. Linear dynamics. *Visual Neuroscience*, *14*, 169–185.

Benson, D. F., & Greenberg, J. P. (1969). Visual form agnosia. *Archives of Neurology*, *20*, 82–89.

Berti, A., & Rizzolatti, G. (1992). Visual processing without awareness: Evidence from unilateral neglect. *Journal of Cognitive Neuroscience*, *4*, 345–351.

Biederman, I., & Gerhardstein, P. C. (1993). Recognizing depth-rotated objects: Evidence and conditions for three-dimensional viewpoint invariance. *Journal of Experimental Psychology: Human Perception and Performance*, *19*, 1162–1182.

Bisiach, E. (1993). Mental representation in unilateral neglect and related disorders: The twentieth Bartlett memorial lecture. *Quarterly Journal of Experimental Psychology*, *46A*, 435–461.

Blake, R. (1998). What can be "perceived" in the absence of visual awareness? *Current Directions in Psychological Science*, *6*, 157–162.

Blake, R., & Fox, R. (1974). Adaptation to "invisible" gratings and the site of binocular rivalry suppression. *Nature*, *249*, 488–490.

Blake, R., & Logothetis, N. K. (2002). Visual competition. *Nature Reviews Neuroscience*, *3*, 13–23.

Blakemore, C., & Tobin, E. A. (1972). Lateral inhibition between orientation detectors in the cat's visual cortex. *Experimental Brain Research*, *15*, 439–440.

Block, N. (1995). On a confusion of a function of consciousness. *Behavioral and Brain Sciences*, *18*, 227–287.

Block, N. (1996). How can we find the neural correlate of consciousness? *Trends in Neuroscience*, *19*, 456–459.

Blythe, I. M., Kennard, C., & Ruddock, K. H. (1987). Residual vision in patients with retrogeniculate lesions of the visual pathways. *Brain*, *110* (Pt 4), 887–905.

Bogen, J. E. (1995). On the neurophysiology of consciousness: I. An overview. *Consciousness and Cognition*, *4*, 52–62.

Bogen, J. E. (1997). Some neurophysiological aspects of consciousness. *Seminars in Neurology*, *17*, 95–103.

Booth, M. C. A., & Rolls, E. T. (1998). View-invariant representations of familiar objects by neurons in the inferior temporal visual cortex. *Cerebral Cortex*, *8*, 510–523.

Borges, J. L. (1979). *A universal history of infamy*. New York: Dutton.

Braddick, O. J. (1993). Segmentation versus integration in visual motion processing. *Trends in Neuroscience*, *16*, 263–267.

Braff, D. L., & Saccuzzo, D. P. (1981). Information processing dysfunction in paranoid schizophrenia: A two-factor deficit. *American Journal of Psychiatry*, *138*, 1051–1056.

Braff, D. L., & Saccuzzo, D. P. (1982). Effect of antipsychotic medication on speed of information processing in schizophrenic patients. *American Journal of Psychiatry*, *139*, 1127–1130.

Braff, D. L., Saccuzzo, D. P., & Geyer, M. A. (1992). Information processing dysfunctions in schizophrenia: Studies of visual backward masking, sensorimotor gating, and habituation (J. R. Steinhauer, J. H. Gruzelier, & J. Zubin, Trans.). In J. R. Steinhauer & J. H. Gruzelier (Eds.), *Neuropsychology, psychophysiology, and information processing* (pp. 305–334). New York: Elsevier.

Breitmeyer, B. G. (1975). Simple reaction time as a measure of the temporal response properties of transient and sustained channels. *Vision Research*, *15*, 1411–1412.

Breitmeyer, B. G. (1978). Disinhibition in metacontrast masking of vernier acuity targets: Sustained channels inhibit transient channels. *Vision Research*, *18*, 1401–1405.

Breitmeyer, B. G. (1984). *Visual masking*. Oxford, England: Oxford University Press.

Breitmeyer, B. G. (2002). In support of Pockett's critique of Libet's studies of the time course of consciousness. *Consciousness and Cognition*, *11*, 280–283.

Breitmeyer, B. G., Ehrenstein, A., Pritchard, K., Hiscock, M., & Crisan, J. (1999). The roles of location specificity and masking mechanisms in the attentional blink. *Perception & Psychophysics*, *61*, 798–809.

Breitmeyer, B. G., & Ganz, L. (1976). Implications of sustained and transient channels for theories of visual pattern masking, saccadic suppression, and information processing. *Psychological Review*, *83*, 1–36.

Breitmeyer, B. G., Levi, D. M., & Harwerth, R. S. (1981a). Flicker masking in spatial vision. *Vision Research*, *21*, 1377–1385.

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

Breitmeyer, B. G., Öğmen, H., & Chen, J. (2004a). Unconscious priming by color and form: Different processes and levels. *Consciousness and Cognition*, *13*, 138–157.

Breitmeyer, B. G., Öğmen, H., & Chen, J. (in press a). Nonconscious priming by forms and their parts. *Visual Cognition*.

Breitmeyer, B. G., Öğmen, H., Mardon, L., & Todd, S. (in press b). *Para- and metacontrast reveal differences between the processing of form and contrast. Vision Research.*

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

Breitmeyer, B. G., Ro, T., & Singhal, N. S. (2004c). Nonconscious color priming occurs at stimulus- not percept-dependent levels of visual processing. *Psychological Science*, *15*, 198–202.

Breitmeyer, B. G., & Rudd, M. E. (1981). A single-transient masking paradigm. *Perception & Psychophysics*, *30*, 604–606.

Breitmeyer, B. G., Rudd, M., & Dunn, K. (1981b). Flicker masking in spatial vision. *Journal of Experimental Psychology: Human Perception and Performance*, *7*, 770–779.

Brenner, E., & Smeets, J. B. J. (2000). Motion extrapolation is not responsible for the flash-lag effect. *Vision Research*, *40*, 1645–1648.

Brenner, E., Smeets, J. B. J., & van den Berg, A. V. (2001). Smooth eye movements and spatial localisation. *Vision Research*, *41*, 2253–2259.

Bridgeman, B. (1971). Metacontrast and lateral inhibition. *Psychological Review*, *78*, 528–539.

Bridgeman, B. (1978). Distributed sensory coding applied to simulations of iconic storage and metacontrast. *Bulletin of Mathematical Biology*, *40*, 605–623.

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

Bridgeman, B., & Leff, S. (1979). Interaction of stimulus size and retinal eccentricity in metacontrast masking. *Journal of Experimental Psychology: Human Perception and Performance*, *5*, 101–109.

Bridgeman, B., Lewis, S., Heit, G., & Nagle, M. (1979). Relation between cognitive and motor-oriented systems in visual position perception. *Journal of Experimental Psychology: Human Perception and Performance*, *5*, 692–700.

Bringuier, V., Chavane, F., Glaeser, L., & Fregnac, Y. (1999). Horizontal propagation of visual activity in the synaptic integration field of area 17 neurons. *Science*, *283*, 695–699.

Broadbent, D. (1958). *Perception and communication*. Oxford, England: Pergamon.

Broadbent, D. E., & Broadbent, M. H. P. (1987). From detection to identification: Response to multiple targets in rapid serial visual presentation. *Perception and Psychophysics*, *42*, 105–113.

Brooks, B., & Jung, R. (1973). Neuronal physiology of the visual cortex. In R. Jung (Ed.), *Handbook of sensory physiology*: 325–440. *Vol. VII/3. Central processing of visual information. Part B.* New York: Springer-Verlag.

Brown, J. (1977). *Mind, brain, and consciousness.* New York: Academic Press.

Brown, J. W. (1988). *The life of the mind.* Hillsdale, NJ: Erlbaum.

Bruce, C. J., & Goldberg, M. E. (1985). Primate frontal eye fields: I. Single neurons discharging before saccades. *Journal of Neurophysiology*, *53*, 603–635.

Bruce, V., & Green, P. (1989). *Visual perception: Physiology, psychology and ecology.* London: Erlbaum.

Bullier, J. (2001). Integrated model of visual processing. *Brain Research Reviews*, *36*, 96–107.

Bullier, J., McCourt, M. E., & Henry, G. H. (1988). Physiological studies on the feedback connection to the striate cortex from cortical areas 18 and 19 of the cat. *Experimental Brain Research*, *70*, 90–98.

Burt, P., & Sperling, G. (1981). Time, distance, and feature trade-offs in visual apparent motion. *Psychological Review*, *88*, 171–195.

Butler, P. D., DeSanti, L. A., Maddox, J., Harkavy-Friedman, J. M., Amador, X. F., Goetz, R. R., Javitt, D. C., & Gorman, J. M. (2002). Visual backward-masking deficits in schizophrenia: Relationship to visual pathway function and symptomatology. *Schizophrenia Research*, *59*, 199–209.

Butler, P. D., Harkavy-Friedman, J. M., Amador, X. F., & Gorman, J. M. (1996). Backward masking in schizophrenia: Relationship to medication status, neuropsychological functioning, and dopamine metabolism. *Biological Psychiatry*, *40*, 295–298.

Butler, P. D., Schechter, I., Zemon, V., Schwartz, S. G., Greenstein, V. C., Gordon, J., Schroeder, C. E., & Javitt, D. C. (2001). Dysfunction of early-stage visual processing in schizophrenia. *American Journal of Psychiatry*, *158*, 1126–1133.

Cadenhead, K. S., Geyer, M. A., Butler, R. W., Perry, W., Sprock, J., & Braff, D. L. (1997). Information processing deficits of schizophrenia patients: Relationship to clinical ratings, gender and medication status. *Schizophrenia Research*, *28*, 51–62.

Cadenhead, K. S., Kumar, C., & Braff, D. L. (1996). Clinical and experimental characteristics of "hypothetically psychosis prone" college students. *Journal of Psychiatry Research*, *30*, 331–340.

Cadenhead, K. S., Serper Y., & Braff, D. L. (1998). Transient versus sustained visual channels in the visual backward masking deficits of schizophrenia patients. *Biological Psychiatry*, *43*, 132–138.

Cai, R. H., Jacobson, K., Baloh, R., Schlag-Rey, M., & Schlag, J. (2000). Vestibular signals can distort the perceived spatial relationship of retinal stimuli. *Experimental Brain Research*, *135*, 275–278.

Calis, G., Sterenborg, J., & Maarse, F. (1984). Initial microgenetic steps in single-glance face recognition. *Acta Psychologica*, *55*, 215–230.

Cant, J. S., Westwood, D. A., Valyear, K. F., & Goodale, M. A. (2005). No evidence for visuomotor priming in a visually guided action task. *Neuropsychologia*, *43*, 216–226.

Caputo, G. (1998). Texture brightness filling-in. *Vision Research*, *38*, 841–851.

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

Carpenter, G. A., & Grossberg, S. (1981). Adaptation and transmitter gating in vertebrate photoreceptors. *Journal of Theoretical Neurobiology*, *1*, 1–42.

Carpenter, G., & Grossberg, S. (1987). A massively parallel architecture for a self-organizing neural pattern recognition machine. *Computer Vision, Graphics, and Image Processing*, *37*, 54–115.

Carrasco, M., Evert, D. L., Change, I., & Katz, S. M. (1995). The eccentricity effect: Target eccentricity affects performance on conjunction searches. *Perception & Psychophysics*, *57*, 1241–1261.

Carrasco, M., Ling, S., & Read, S. (2004). Attention alters appearance. *Nature Neuroscience*, *7*, 208–209.

Cave, C. B., Blake, R., & McNamara, T. P. (1998). Binocular rivalry disrupts visual priming. *Psychological Science*, *9*, 299–302.

Cavonius, C. R., & Reeves, A. J. (1983). The interpretation of metacontrast and contrast-flash spectral sensitivity functions. In J. D. Mollon & L. T. Sharpe (Eds.), *Color vision: Physiology and psychophysics* (pp. 471–478). London: Academic Press.

Chance, F. S., Nelson, S. B., & Abbott, L. F. (1998). Synaptic depression and the temporal response characteristics of V1 cells. *Journal of Neuroscience*, *18*, 4785–4799.

Cheesman, J., & Merikle, P. M. (1986). Distinguishing conscious from unconscious perceptual processes. *Canadian Journal of Psychology*, *40*, 343–367.

Chelazzi, L. (1999). Serial attention mechanisms in visual search: A critical look at the evidence. *Psychological Research*, *62*, 195–219.

Chelazzi, L., Duncan, J., Miller, E. K., & Desimone, R. (1998). Responses of neurons in inferior temporal cortex during memory-guided visual search. *Journal of Neurophysiology*, *80*, 2918–2940.

Chelazzi, L., Miller, E. K., Duncan, J., & Desimone, R. (2001). Responses of neurons in macaque area V4 during memory-guided visual search. *Cerebral Cortex*, *11*, 761–772.

Cho, Y. S., & Francis, G. (2003). Backward masking with sparse masks: Models and experiments [Abstract]. *Journal of Vision*, *3*, 742a, http://journalofvision.org/3/9/742/, DOI:10.1167/3.9.742.

Chun, M. M., & Jiang, Y. (1998). Contextual cueing: Implicit learning and memory of visual context guides spatial attention. *Cognitive Psychology*, *36*, 28–71.

Chun, M. M., & Potter, M. C. (1995). A two-stage model for multiple target detection in rapid serial visual presentation. *Journal of Experimental Psychology: Human Perception and Performance*, *21*, 109–127.

Churchland, P. S. (1981). On the alleged backwards referral of experiences and its relevance to the mind–body problem. *Philosophy of Science*, *48*, 165–181.

Churchland, P. S. (2002). *Brain-wise: Studies in neurophilosophy.* London: MIT Press/Bradford.

Clark, V. P., & Hillyard, S. A. (1996). Spatial selective attention affects early extrastriate but not striate components of the visual evoked potential. *Journal of Cognitive Neuroscience*, *8*, 387–402.

Clifford, C. W. G., Arnold, D., & Pearson, J. (2003). A paradox of temporal perception revealed by a stimulus oscillating in colour and orientation. *Vision Research*, *43*, 2245–2253.

Cohen, A., & Ivry, R. B. (1991). Density effects in conjunction search: Evidence for a coarse location mechanism of feature integration. *Journal of Experimental Psychology: Human Perception and Performance*, *17*, 891–901.

Cohen, M. A., & Grossberg, S. (1984). Neural dynamics of brightness perception: Features, boundaries, diffusion, and resonance. *Perception & Psychophysics*, *36*, 428–456.

Coles, M. G. H. (1989) Modern mind–brain reading: Psychophysiology, physiology, and cognition. *Psychophysiology*, *26*, 251–269.

Coletta, N. J., & Williams, D. R. (1987). Psychophysical estimate of extrafoveal cone spacing. *Journal of the Optical Society of America, A*, *4*, 1503–1513.

Coltheart, M. (1983). Iconic memory. *Philosophical Transactions of the Royal Society of London, B*, *302*, 283–294.

Coltheart, V. (Ed.). (1999). *Fleeting memories: Cognition of brief visual stimuli.* Cambridge, MA: MIT Press.

Corrigan, P. W., Green, M. F., & Toomey, R. (1994). Cognitive correlates to social cue perception in schizophrenia. *Psychiatry Research*, *53*, 141–151.

Corthout, E., Uttl, B., Walsh, V., Hallett, M., & Cowey, A. (1999a). Timing of activity in early visual cortex as revealed by transcranial magnetic stimulation. *NeuroReport*, *10*, 2631–2634.

Corthout, E., Uttl, B., Ziemann, U., Cowey, A., & Hallett, M. (1999b). Two periods of processing in the (circum)striate visual cortex as revealed by transcranial magnetic stimulation. *Neuropsychologia*, *37*, 137–145.

Cowey, A., & Stoerig, P. (1991). Reflections on blindsight. In D. Milner & M. Rugg (Eds.), *The neuropsychology of consciousness* (pp. 11–37). Oxford, England: Academic Press.

Cowey, A., & Stoerig, P. (2001). Detection and discrimination of chromatic targets in hemianopic macaque monkeys and humans. *European Journal of Neuroscience*, *14*, 1320–1330.

Cowey, A., & Stoerig, P. (2004). Stimulus cueing in blindsight. *Progress in Brain Research*, *144*, 261–277.

Cowey, A., Stoerig, P., & Hodinott-Hill, I. (2003). Chromatic priming in hemianopic visual fields. *Experimental Brain Research*, *152*, 95–105.

Craighero, L., Fadiga, L., Umiltà, C. A., & Rizzolatti, G. (1996). Evidence for visuomotor priming effect. *Neuroreport*, *8*, 347–349.

Craik, F. I. M., Moroz, T. M., Moscovitch, M., Stuss, D. T., Winocur, G., Tulving, E., & Kapur, S. (1999). In search of the self: A positron emission tomography study. *Psychological Science*, *10*, 26–34.

Creem, S. H., & Proffitt, D. R. (2001). Grasping objects by their handles: A necessary interaction between cognition and action. *Journal of Experimental Psychology: Human Perception and Performance*, *27*, 218–228.

Crick, F. (1984). Function of the thalamic reticular complex: The searchlight hypothesis. *Proceedings of the National Academy of Sciences, USA*, *81*, 4586–4590.

Crick, F. (1994). *The astonishing hypothesis*. New York: Scribner.

Crick, F., & Koch, C. (1990). Towards a neurobiological theory of consciousness. *Seminar in the Neurosciences*, *2*, 263–275.

Crick, F., & Koch, C. (1995). Are we aware of neural activity in primary visual cortex? *Nature*, *375*, 121–123.

Crick, F., & Koch, C. (1998). Consciousness and neuroscience. *Cerebral Cortex*, *8*, 97–107.

Crick, F., & Koch, C. (2003). A framework for consciousness. *Nature Neuroscience*, *6*, 119–126.

Croner, L. J., & Kaplan, E. (1995). Receptive fields of P and M ganglion cells across the primate retina. *Vision Research*, *35*, 7–24.

Culham, J. C., & Kanwisher, N. G. (2001). Neuroimaging of cognitive functions in human parietal cortex. *Current Opinion in Neurobiology*, *11*, 157–163.

Cutting, J. E., & Millard, R. T. (1984). Three gradients and the perception of flat and curved surfaces. *Journal of Experimental Psychology: General*, *113*, 198–216.

Czeisler, C. A., Shanahan, D. L., Klerman, E. B., Martens, H., Brotman, D. J., Emens, J. S., Klein, T., & Rizzo, J. F. (1995). Suppression of melatonin secretion in some blind patients by exposure to bright light. *New England Journal of Medicine*, *322*, 6–11.

Czisch, M., Wetter, T. C., Kaufmann, C., Pollmächer, T., Holsboer, F., & Auer, D. P. (2002). Altered processing of acoustic stimuli during sleep: Reduced auditory activation and visual deactivation detected by a combined fMRI/EEG study. *Neuroimage*, *16*, 251–258.

Dacey, D. M. (1993). The mosaic of midget ganglion cells in the human retina. *Journal of Neuroscience*, *13*, 5334–5355.

Dacey, D. M., & Lee, B. B. (1994). The "blue-on" opponent pathway in primate retina originates from a distinct bistratified ganglion cell type. *Nature*, *367*, 731–735.

Daini, R., Angelelli, P., Antonucci, G., Cappa, S. F., & Valler, G. (2001). Illusions of length in spatial unilateral neglect. *Cortex*, *37*, 710–714.

Damasio, A. R. (1994). *Descartes' error.* New York: Putnam.

Damasio, A. R., Damasio, H., & van Hoesen, G. W. (1982). Prosopagnosia: Anatomic basis and behavioral mechanisms. *Neurology*, *32*, 331–341.

D'Aquili, E. G., & Newberg, A. B. (1999). *The mystical mind*. Minneapolis, MN: Fortress Press.

Das, A., & Gilbert, C. D. (1999). Topography of contextual modulations mediated by short-range interactions in primary visual cortex. *Nature*, *399*, 655–661.

Davenport, J. L., & Potter, M. C. (in press). The locus of semantic priming in RSVP target search. *Memory & Cognition*.

DeAngelis, G. C., Freeman, R. D., & Ohzawa, I. (1994). Length and width tuning of neurons in the cat's primary visual cortex. *Journal of Neurophysiology*, *71*, 347–374.

de Gelder, B., de Haan, E., & Heywood, C. (Eds.). (2001a). *Out of mind: Varieties of unconscious processes*. Oxford, England: Oxford University Press.

de Gelder, B., Vroomen, J., & Pourtois, G. (2001b). Covert affective cognition and affective blindsight. In B. de Gelder, E. de Haan, & C. Heywood (Eds.), *Out of mind* (pp. 205–221). Oxford, England: Oxford University Press.

de Gelder, B., Vroomen, J., Pourtois, G., & Weiskrantz, L. (1999). Non-conscious recognition of affect in the absence of striate cortex. *Neuroreport*, *10*, 3759–3763.

Dehaene, S., & Naccache, L. (2001). Towards a cognitive neuroscience of consciousness: Basic evidence and a workspace framework. *Cognition*, *79*, 1–37.

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

Dehaene, S., Naccache, L., Le Clec'H, G., Koechlin, E., Mueller, M., Dehaene-Lambertz, G., van de Moortele, P.-F., & Le Bihan, D. (1998). Imaging unconscious semantic priming. *Nature*, *395*, 597–600.

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

Dember, W. N., & Purcell, D. G. (1967). Recovery of masked visual targets by inhibition of the masking stimulus. *Science*, *157*, 335–336.

De Monasterio, F. M. (1978). Properties of concentrically organized X and Y ganglion cells of macaque retina. *Journal of Neurophysiology*, *41*, 1394–1417.

Dennett, D. C. (1991). *Consciousness explained*. Boston: Little, Brown.

Dennett, D. C., & Kinsbourne, M. (1992). Time and the observer: The where and when of consciousness in the brain. *Behavioral and Brain Sciences*, *15*, 183–247.

Deouell, L. Y., Bentin, S., & Soroker, N. (2000a). Electrophysiological evidence for an early (preattentive) information processing deficit in patients with right hemisphere damage and unilateral neglect. *Brain*, *123*, 353–365.

Deouell, L. Y., Hämäläinen, H., & Bentin, S. (2000b). Unilateral neglect after right hemisphere damage: Contributions from event-related potentials. *Audiology & Neuro-Otology*, *5*, 225–234.

Desimone, R., & Schein, S. J. (1987). Visual properties of neurons in area V4 of the macaque: Sensitivity to stimulus form. *Journal of Neurophysiology*, *57*, 835–868.

Desimone, R., & Ungerleider, L. (1989). Neural mechanisms of visual processing in monkeys. In F. Boller & J. Grafman (Eds.), *Handbook of neuropsychology* (Vol. 2, pp. 267–299). Amsterdam: Elsevier.

De Weerd, P., Desimone, R., & Ungerleider, L. G. (2003). Generalized deficits in visual selective attention after V4 and TEO lesions in macaques. *European Journal of Neuroscience*, *18*, 1671–1691.

DeYoe, E. A., & Van Essen, D. C. (1988). Concurrent processing streams in monkey visual cortex. *Trends in Neuroscience*, *11*, 219–226.

Dijkerman, H. C., Lê, S., Démonet, J.-F., & Milner, A. D. (2004). Visuomotor performance in a case of visual form agnosia due to early brain damage. *Cognitive Brain Research*, *20*, 12–25.

Di Lollo, V. (1980). Temporal integration in visual memory. *Journal of Experimental Psychology: General*, *109*, 75–97.

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

Di Lollo, V., Kawahara, J.-I., Ghorashi, S. M., & Enns, J. T. (2005). The attentional blink: Resource depletion or temporary loss of control? *Psychological Research*, *69*, 191–200.

Di Lollo, V., Von Mühlenen, A., Enns, J. T., & Bridgeman, B. (2004). Decoupling stimulus duration from brightness in metacontrast masking: Data and models. *Journal of Experimental Psychology: Human Perception and Performance*, *30*, 733–745.

Dimberg, U., Thunberg, M., & Elmehed, K. (2000). Unconscious facial reactions to emotional facial expressions. *Psychological Science*, *11*, 86–89.

Dinse, H. R., & Kruger, K. (1994). The timing of processing along the visual pathway in the cat. *Neuroreport*, *5*, 893–897.

Di Russo, F., Martinez, A., & Hillyard, S. A. (2003). Source analysis of event-related cortical activity during visuo-spatial attention. *Cerebral Cortex*, *13*, 486–499.

Dixon, N. F. (1981). *Preconscious processing*. Chichester, England: Wiley.

Dodds, C., Machado, L., Rafal, R., & Ro, T. (2002). A temporal/nasal asymmetry for blindsight in a localisation task: Evidence for extrageniculate mediation. *Neuroreport*, *13*, 655–658.

Dolan, R. J. (2002). Emotion, cognition, and behavior. *Science*, *298*, 1191–1194.

Doniger, G. M., Foxe, J. J., Murray, M. M., Higgins, B. A., & Javitt, D. C. (2002). Impaired visual object recognition and dorsal/ventral stream interaction in schizophrenia. *Archives of General Psychiatry*, *59*, 1011–1020.

Dow, B. M., Snyder, A. Z., Vautin, R. G., & Bauer, R. (1981). Magnification factor and receptive field size in foveal striate cortex of the monkey. *Experimental Brain Research*, *44*, 213–228.

Driver, J., Baylis, G., & Rafal, R. (1992). Preserved figure–ground segmentation and symmetry perception in a patient with neglect. *Nature*, *360*, 73–75.

Driver, J., & Mattingley, J. B. (1998). Parietal neglect and visual awareness. *Nature Neuroscience*, *1*, 17–22.

Driver, J., & Vuilleumier, P. (2001). Perceptual awareness and its loss in unilateral neglect and extinction. *Cognition*, *79*, 39–88.

Duncan, J. (1985). Two techniques for investigating perception without awareness. *Perception & Psychophysics*, *38*, 296–298.

Eagleman, D. M. (2001). Visual illusions and neurobiology. *Nature Reviews Neuroscience*, *2*, 920–926.

Eagleman, D. M., & Sejnowski, T. J. (2000a). Motion integration and postdiction in visual awareness. *Science*, *287*, 2036–2038.

Eagleman, D. M., & Sejnowski, T. J. (2000b). The position of moving objects. *Science*, *289*, 1107a.

Eason, R., Harter, M., & White, C. (1969). Effects of attention and arousal on visually evoked cortical potentials and reaction time in man. *Physiology and Behavior*, *4*, 283–289.

Eckstein, M. P. (1998). The lower visual search efficiency for conjunctions is due to noise and not serial attentional processing. *Psychological Science*, *9*, 111–118.

Edelman, G. M. (1987). *Neural Darwinism*. New York: Basic Books.

Edelman, G. M. (2003). Naturalizing consciousness: A theoretical framework. *Proceedings of the National Academy of Sciences, USA*, *100*, 5520–5524.

Edelman, G. M., & Tononi, G. (2000). *A universe of consciousness: How matter becomes imagination*. New York: Basic Books.

Efron, R. (1967). The duration of the present. *Annals of the New York Academy of Sciences*, *138*, 713–729.

Efron, R. (1970). The minimum duration of a perception. *Neurophysiologist*, *8*, 57–63.

Efron, R. (1973). Conservation of temporal information by perceptual systems. *Perception and Psychophysics*, *14*, 518–530.

Egelhaaf, M., Borst, A., & Reichardt, W. (1989). Computational structure of a biological motion-detection system as revealed by local detector analysis in the fly's nervous system. *Journal of the Optical Society of America, A*, *6*, 1070–1087.

Eggermont, J. J. (1990). *The correlative brain.* Berlin, Germany: Springer-Verlag.

Eimer, M. (1996). The N2pc component as an indicator of attentional selectivity. *Electroencephalography and Clinical Neurophysiology*, *99*, 225–234.

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*, 1737–1747.

Eimer, M., & Schlaghecken, F. (2001). Response facilitation and inhibition in manual, vocal, and oculomotor performance: Evidence for a modality-unspecific mechanism. *Journal of Motor Behavior*, *33*, 16–26.

Eimer, M., & Schlaghecken, F. (2002). Link between conscious awareness and response inhibition: Evidence from masked priming. *Psychonomic Bulletin & Review*, *9*, 514–520.

Eimer, M., Schuboe, A., & Schlaghecken, F. (2002). Locus of inhibition in the masked priming of response alternatives. *Journal of Motor Behavior*, *34*, 3–10.

Elder, J. H., & Zucker, S. W. (1998). Evidence for boundary-specific grouping. *Vision Research*, *38*, 143–152.

Elliffe, M. C. M., Rolls, E. T., & Stringer, S. M. (2002). Invariant recognition of feature combinations in the visual system. *Biological Cybernetics*, *86*, 59–71.

Engel, A. K., Koenig, P., Kreiter, A. K., Schillen, T. B., & Singer, W. (1992). Temporal coding in the visual cortex: New vistas on integration in the nervous system. *Trends in Neuroscience*, *15*, 218–226.

Enns, J. T. (2002). Visual binding in the standing wave illusion. *Psychonomic Bulletin & Review*, *9*, 489–496.

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

Enns, J. T., & Di Lollo, V. (1997). Object substitution: A new form of masking in unattended visual locations. *Psychological Science*, *8*, 135–139.

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

Enns, J. T., & Rensink, R. A. (1990). Influence of scene-based properties on visual search. *Science*, *9*, 721–723.

Erdelyi, M. H. (2004). Subliminal perception and its cognates: Theory, indeterminacy, and time. *Consciousness and Cognition 13*.

Eriksen, C. W. (1966). Temporal luminance summation effects in backward and forward masking. *Perception & Psychophysics*, *1*, 87–92.

Ernst, M. O., & Banks, M. S. (2002). Humans integrate visual and haptic information in a statistically optimal fashion. *Nature*, *415*, 429–433.

Farah, M. J. (1990). *Visual agnosias*. Cambridge, MA: MIT Press.

Farah, M. J. (2004). *Visual agnosia* (2nd ed.). Cambridge, MA: MIT Press.

Farah, M. J., Levinson, K. L., & Klein, K. L. (1995a). Face perception and within-category discrimination in prosopagnosia. *Neuropsychologia*, *33*, 661–674.

Farah, M. J., Wilson, K. D., Drain, H. M., & Tanaka, J. R. (1995b). The inverted face inversion effect in prosopagnosia: Evidence for mandatory, face-specific perceptual mechanisms. *Vision Research*, *35*, 2089–2093.

Fehrer, E., & Raab, D. (1962). Reaction time to stimuli masked by metacontrast. *Journal of Experimental Psychology*, *63*, 143–147.

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

Fendrich, R., Wessinger, C. M., & Gazzaniga, M. S. (1992). Residual vision in a scotoma: Implications for blindsight. *Science*, *258*, 1489–1491.

Findlay, J. M., & Gilchrist, I. D. (2003). *Active vision: The psychology of looking and seeing.* Oxford, England: Oxford University Press.

Fischer, B., & Ramsperger, E. (1984). Human express saccades: Extremely short reaction times of goal directed eye movements. *Experimental Brain Research*, *57*, 191–195.

Flanagan, J. R., & Beltzner, M. A. (2000). Independence of perceptual and sensorimotor predictions in the size–weight illusion. *Nature Neuroscience*, *3*, 737–741.

Flavell, J. H., & Draguns, J. G. (1957). A microgenetic approach to perception and thought. *Psychological Bulletin*, *54*, 197–217.

Forster, K. I. (1970). Visual perception of rapidly presented word sequences of varying complexity. *Perception & Psychophysics*, *8*, 215–221.

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

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

Francis, G. (2000). Quantitative theories of metacontrast masking. *Psychological Review*, *104*, 768–785.

Francis, G. (2003a). Developing a new quantitative account of backward masking. *Cognitive Psychology*, *46*, 198–226.

Francis, G. (2003b). Online simulations of models for backward masking. *Behavior Research Methods, Instruments, & Computers*, *35*, 512–519.

Francis, G., Grossberg, S., & Mingolla, E. (1994). Cortical dynamics of feature binding and reset: Control of visual persistence. *Vision Research*, *34*, 1089–1104.

Francis, G., & Herzog, M. (2004). Testing quantitative models of backward masking. *Psychonomic Bulletin & Review*, *11*, 104–112.

Francis, G., & Kim, H. (1999). Motion parallel to line orientation: Disambiguation of motion percepts. *Perception*, *28*, 1243–1255.

Francis, G., & Kim, H. (2001). Perceived motion in orientational afterimages: Direction and speed. *Vision Research*, *41*, 161–172.

Francis, G., & Rothmayer, M. (2003). Interactions of afterimages for orientation and color: Experimental data and model simulations. *Perception & Psychophysics*, *65*, 508–522.

Franco, L., Rolls, E. T., Aggelopoulos, N. C., & Treves, A. (2004). The use of decoding to analyze the contribution to the information of the correlations between the firing of simultaneously recorded neurons. *Experimental Brain Research*, *155*, 370–384.

Franz, V. H. (2001). Action does not resist visual illusions. *Trends in Cognitive Sciences*, *5*, 457–459.

Franz, V. H., Gegenfurtner, K. R., Bulthoff, H. H., & Fahle, M. (2000). Grasping visual illusions: No evidence for a dissociation between perception and action. *Psychological Science*, *11*, 20–25.

Freedman, D. J., Riesenhuber, M., Poggio, T., & Miller, E. K. (2002). Visual categorization and the primate prefrontal cortex: Neurophysiology and behavior. *Journal of Neurophysiology*, *88*, 929–941.

Friedrich, F. J., Egly, R., Rafal, R. D., & Beck, D. (1998). Spatial attention deficits in humans: A comparison of superior parietal and temporo-parietal junction lesions. *Neuropsychology*, *12*, 193–207.

Frith, C., Perry, R., & Lumer, E. (1999). The neural correlates of conscious experience: An experimental framework. *Trends in Cognitive Science*, *3*, 105–114.

Froehlich, W. D. (1984). Microgenesis as a functional approach to information processing through search. In W. D. Froehlich, G. Smith, J. G. Draguns, & U. Hentschee (Eds.), *Psychological processes in cognition and personality* (pp. 19–52). Washington, DC: Hemisphere.

Fry, G. A. (1934). Depression of the activity aroused by a flash of light by applying a second flash immediately afterwards to adjacent areas of the retina. *American Journal of Physiology*, *108*, 701–707.

Gabbiani, F., Krapp, H. G., Koch, C., & Laurent, G. (2002). Multiplicative computation in a visual neuron sensitive to looming. *Nature*, *420*, 320–324.

Gail, A., Brinksmeyer, H. J., & Eckhorn, R. (2004). Perception-related modulations of local field potential power and coherence in primary visual cortex of awake monkey during binocular rivalry. *Cerebral Cortex*, *14*, 300–313.

Gallant, J. L., Conner, C. E., Rahshit, S., Lewis, J. W., & VanEssen, D. C. (1996). Neural responses to polar, hyperbolic and Cartesian gratings in area V4 of the macaque monkey. *Journal of Neurophysiology*, *76*, 2718–2739.

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, USA*, *96*, 3314–3319.

Ganel, T., & Goodale, M. A. (2003). Visual control of action but not perception requires analytical processing of object shape. *Nature*, *426*, 664–667.

Garofeanu, C., Króliczak, G., Goodale, M. A., & Humphrey, G. K. (2004). Naming and grasping common objects: A priming study. *Experimental Brain Research* (Published online: 25 June 2004).

Gaudiano, P. (1992). A unified neural network of spatio-temporal processing in X and Y retinal ganglion cells: II. Temporal adaptation and simulation of experimental data. *Biological Cybernetics*, *67*, 23–34.

Gawne, T. J., & Richmond, B. J. (1993). How independent are the messages carried by adjacent inferior temporal cortical neurons? *Journal of Neuroscience*, *13*, 2758–2771.

Gegenfurter, K. R. (2003). Cortical mechanisms of color vision. *Nature Reviews*, *4*, 563–572.

Gelb, A., & Goldstein, K. (1922). Psychologische Analysen hirnpathologischer Stoerungen der Raumwahrnehmung. *Bericht ueber den IX. Kongress for Experimentelle Psychologie* (pp. 23–80). Jena, Germany: Fischer Verlag.

Genova, B., Mateeff, S., Bonnet, C., & Hohnsbein, J. (2000). Mechanisms of simple and choice reaction to changes in direction of visual motion. *Vision Research*, *40*, 3049–3058.

Gentilucci, M., Chieffi, S., Deprati, E., Saetti, M. C., & Toni, I. (1996). Visual illusion and action. *Neuropsychologia*, *34*, 369–376.

Georgopoulos, A. P., Kalaska, J. F., Caminiti, R., & Massey, J. T. (1982). On the relations between the direction of two-dimensional arm movements and cell discharge in primate motor cortex. *Journal of Neuroscience*, *2*, 1527–1537.

Georgopoulos, A. P., Schwartz, A. B., & Kettner, R. E. (1986). Neuronal population coding of movement direction. *Science*, *233*, 1416–1419.

Gibbon, J., Malapani, C., Dale, C. L., & Gallistel, C. R. (1997). Toward a neurobiology of temporal cognition: Advances and challenges. *Current Opinion in Neurobiology*, *7*, 170–184.

Giesbrecht, B. L., Bischof, W. F., & Kingstone, A. (2003). Visual masking during the attentional blink: Tests of the object substitution hypothesis. *Journal of Experimental Psychology: Human Perception and Performance*, *29*, 238–255.

Girard, P., Hupe, J. M., & Bullier, J. (2001). Feedforward and feedback connections between areas V1 and V2 of the monkey have similar rapid conduction velocities. *Journal of Neurophysiology*, *85*, 1328–1331.

Gold, J. I., & Shadlen, M. N. (2001). Neural computations that underlie decisions about sensory stimuli. *Trends in Cognitive Sciences*, *5*, 10–16.

Gomez Gonzales, C. M., Clark, V. P., Fan, S., Luck, S. J., & Hillyard, S. A. (1994). Sources of attention-sensitive visual event-related potentials. *Brain Topography*, *7*, 41–51.

Goodale, M. A., & Haffenden, A. M. (1998). Frames of reference for perception and action in the human visual system. *Neuroscience & Biobehavioral Reviews*, *22*, 161–172.

Goodale, M. A., & Haffenden, A. M. (2003). Interactions between dorsal and ventral streams of visual processing. In A. Siegel, R. Andersen, H.-J. Freund, & D. Spencer (Eds.), *Advances in neurology: Vol. 93. The parietal lobe* (pp. 249–267). Philadelphia: Lippincott-Raven.

Goodale, M. A., Jakobson, L. S., & Keillor, J. M. (1994). Differences in the visual control of pantomimed and natural grasping movements. *Neuropsychologia*, *32*, 1159–1178.

Goodale, M. A., & Milner, A. D. (1992). Separate visual pathways for perception and action. *Trends in Neuroscience*, *15*, 20–25.

Goodale, M. A., & Milner, A. D. (2004). *Sight unseen: An exploration of conscious and unconscious vision*. Oxford, England: Oxford University Press.

Goodale, M. A., Milner, A. D., Jakobson, L. S., & Carey, D. P. (1991). A neurological dissociation between perceiving objects and grasping them. *Nature*, *349*, 154–156.

Goodale, M. A., Pelisson, D., & Prablanc, C. (1986). Large adjustments in visually guided reaching do not depend on vision of the hand or perception of target displacement. *Nature*, *320*, 748–750.

Goodale, M. A., Westwood, D. A., & Milner, A. D. (2003). Two distinct modes of control for object-directed action. In C. A. Heywood, A. D. Milner, & C. Blakemore (Eds.), *The roots of visual awareness: Progress in brain research* (pp. 131–144).

Gordon, A. M., Forssberg, H., Johansson, R. S., & Westling, G. (1991). Visual size cues in the programming of manipulative forces during precision grip. *Experimental Brain Research*, *83*, 477–482.

Gordon, A. M., Westling, G., Cole, K. J., & Johansson, R. S. (1993). Memory representations underlying motor commands used during manipulation of common and novel objects. *Journal of Neurophysiology*, *69*, 1789–1796.

Gouras, P. (1969). Antidromic responses of orthodromically identified ganglion cells in monkey retina. *Journal of Physiology, London*, *204*, 407–419.

Green, M. F. (1996). What are the functional consequences of neurocognitive deficits in schizophrenia? *American Journal of Psychiatry*, *153*, 321–330.

Green, M. F., Glahn, D., Engel, S. A., Nuechterlein, K. H., Sabb, F., Strojwas, M., & Cohen, M. S. (in press). Regional brain activity associated with visual backward masking. *Journal of Cognitive Neuroscience*, *17*, 13–23.

Green, M. F., Mintz, J., Salveson, D., Nuechterlein, K. H., Breitmeyer, B. G., Light, G. A., & Braff, D. L. (2003). Visual masking as a probe for abnormal gamma range activity in schizophrenia. *Biological Psychiatry*, *53*, 1113–1119.

Green, M. F., & Nuechterlein, K. H. (1999). Should schizophrenia be treated as a neurocognitive disorder? *Schizophrenia Bulletin*, *25*, 309–319.

Green, M. F., Nuechterlein, K. H., & Breitmeyer, B. G. (1997). Backward masking performance in unaffected siblings of schizophrenic patients. *Archives of General Psychiatry*, *54*, 465–472.

Green, M. F., Nuechterlein, K. H., Breitmeyer, B. G., & Mintz, J. (1999). Backward masking in unmedicated schizophrenic patients in psychotic remission: Possible reflection of aberrant cortical oscillation. *American Journal of Psychiatry*, *156*, 1367–1373.

Green, M. F., Nuechterlein, K. H., & Mintz, J. (1994a). Backward masking in schizophrenia and mania: I. Specifying a mechanism. *Archives of General Psychiatry*, *51*, 939–944.

Green, M. F., Nuechterlein, K. H., & Mintz, J. (1994b). Backward masking in schizophrenia and mania: II. Specifying the visual channels. *Archives of General Psychiatry*, *51*, 945–951.

Green, M., & Walker, E. (1984). Susceptibility to backward masking in schizophrenic patients with positive or negative symptoms. *American Journal of Psychiatry*, *141*, 1273–1275.

Green, M., & Walker, E. (1986). Symptom correlates of vulnerability to backward masking in schizophrenia. *American Journal of Psychiatry*, *143*, 181–186.

Gregory, R. (1998). Flagging the present with qualia. In S. Rose (Ed.), *From brains to consciousness? Essays on the new sciences of the mind* (pp. 200–209). London: Allen Lane/Penguin Press.

Grill-Spector, K., & Malach, R. (2004). The human visual cortex. *Annual Review of Neuroscience*, *27*, 649–677.

Grinvald, A., Lieke, E. E., Frostig, R. D., & Hildescheim, R. (1994). Cortical point-spread function and long-range lateral interactions revealed by real-time optical imaging of macaque primary visual cortex. *Journal of Neuroscience*, *14*, 2545–2568.

Grosbas, M.-H., & Paus, T. (2003). Transcranial magnetic stimulation of the human frontal eye field facilitates visual awareness. *European Journal of Neuroscience*, *18*, 3121–3126.

Grossberg, S. (1972). A neural theory of punishment and avoidance: II. Quantitative theory. *Mathematical Biosciences*, *15*, 253–285.

Grossberg, S. (1976a). Adaptive pattern classification and universal recoding: I. Parallel development and coding of neural feature detectors. *Biological Cybernetics*, *23*, 121–134.

Grossberg, S. (1976b). Adaptive pattern classification and universal recoding: II. Feedback, expectation, olfaction, and illusions. *Biological Cybernetics*, *23*, 187–202.

Grossberg, S. (1988). Nonlinear neural networks: Principles, mechanisms, and architectures. *Neural Networks*, *1*, 17–61.

Grossberg, S. (1994). 3-D vision and figure–ground separation by visual cortex. *Perception & Psychophysics*, *55*, 48–120.

Grossberg, S. (1999). The link between brain learning, attention, and consciousness. *Consciousness and Cognition*, *8*, 1–44.

Grossberg, S., & Mingolla, E. (1985). Neural dynamics of form perception: Boundary completion, illusory figures, and neon color spreading. *Psychological Review*, *92*, 173–211.

Growney, R., Weisstein, N., & Cox, S. I. (1977). Metacontrast as a function of spatial separation with narrow line targets and masks. *Vision Research*, *17*, 1205–1210.

Grüsser, O. J., & Landis, T. (1991). *Visual agnosias and other disturbances of visual perception and cognition*. London: MacMillan.

Grunze, H. C., Rainnie, D. G., Hasselmo, M. E., Barkai, E., Hearn, E. F., & McCarley, R. W. (1996). NMDA-dependent modulation of CA1 local circuit inhibition. *Journal of Neuroscience*, *16*, 2034–2043.

Gusel'nikov, V. I. (1976). [*Electrophysiology of the Brain*] (in Russian). Moscow: Vysshaya Shkola.

Haber, R. N. (Ed.). (1969). *Information processing approaches to visual perception*. New York: Holt, Rinehart & Winston.

Hadjikhani, N., Liu, A. K., Dale, A. M., Cavanagh, P., & Tootell, R. B. H. (1998). Retinotopy and color sensitivity in human visual cortical area V8. *Nature Neuroscience*, *1*, 235–241.

Haffenden, A. M., & Goodale, M. A. (2000a). The effect of learned perceptual associations on visuomotor control varies with kinematic demands. *Journal of Cognitive Neuroscience*, *12*, 950–964.

Haffenden, A. M., & Goodale, M. A. (2000b). Independent effects of pictorial displays on perception and action. *Vision Research*, *40*, 1597–1607.

Haffenden, A. M., & Goodale, M. A. (2002a). Learned perceptual associations influence visuomotor programming under limited conditions: Cues as surface patterns. *Experimental Brain Research*, *147*, 473–484.

Haffenden, A. M., & Goodale, M. A. (2002b). Learned perceptual associations influence visuomotor programming under limited conditions: Kinematic consistency. *Experimental Brain Research*, *147*, 485–493.

Haffenden, A. M., Schiff, K. C., & Goodale, M. A. (2001). The dissociation between perception and action in the Ebbinghaus illusion: Nonillusory effects of pictorial cues on grasp. *Current Biology*, *11*, 177–181.

Haig, A. R., Gordon, E., De Pascalis, V., Meares, R. A., Bahramali, H., & Harris, A. (2000). Gamma activity in schizophrenia: Evidence of impaired network binding? *Clinical Neurophysiology*, *111*, 1461–1468.

Hallett, M. (2000). Transcranial magnetic stimulation and the human brain. *Nature*, *406*, 147–150.

Hanlon, R. E. (Ed.). (1991). *Cognitive microgenesis: A neuropsychological perspective.* New York: Springer-Verlag.

Hansen, J. C., & Hillyard, S. A. (1980). Endogenous brain potentials associated with selective auditory attention. *Electroencephalography and Clinical Neurophysiology*, *49*, 277–290.

Harter, M. R., & Guido, W. (1980). Attention to pattern orientation: Negative cortical potentials, reaction time, and the selection process. *Electroencephalography and Clinical Neurophysiology*, *49*, 461–475.

Harter, M. R., & Previc, F. H. (1978). Size-specific information channels and selective attention: Visual evoked potential and behavioral measures. *Electroencephalography and Clinical Neurophysiology*, *45*, 628–640.

Hartmann, J. A., Wolz, W. A., Roeltgen, D. P., & Loverso, F. L. (1991). Denial of visual perception. *Brain and Cognition*, *16*, 29–40.

Harwerth, R. S., Boltz, R. L., & Smith, E. L. (1980). Psychophysical evidence for sustained and transient channels in the monkey visual system. *Vision Research*, *20*, 15–22.

He, Z. J., & Nakayama, K. (1994). Perceived surface shape, not features, determines correspondence strength in apparent motion. *Vision Research*, *34*, 2125–2135.

Hebb, D. O. (1949). *The organization of behavior*. New York: Wiley.

Heinze, H. J., Luck, S. J., Mangun, G. R., & Hillyard, S. A. (1990). Visual event-related potentials index focused attention within bilateral stimulus arrays: I. Evidence for early selection. *Electroencephalography and Clinical Neurophysiology*, *75*, 511–527.

Heinze, H. J., Mangun, G. R., Burchert, W., Hinrichs, H., Scholz, M., Münte, T. F., Gös, A., Scherg, M., Johannes, S., & Hundeshagen, H. (1994). Combined spatial and temporal imaging of brain activity during visual selective attention in humans. *Nature*, *372*, 543–546.

Heller, J., Hertz, J. A., Kjaer, T. W., & Richmond, B. J. (1995). Information flow and temporal coding in primate pattern vision. *Journal of Computational Neuroscience*, *2*, 175–193.

Hellige, J. B., Walsh, D. A., Lawrence, V. W., & Prasse, M. (1979). Figural relationship effects and mechanisms of visual masking. *Journal of Experimental Psychology: Human Perception and Performance*, *5*, 88–100.

Helmholtz, H. V. (1866). *Handbuch der physiologischen Optik* (1st ed.). Leipzig: Voss. (Trans. J. P. C. Southall, 1962. *Handbook of physiological optics*, 3rd ed. New York: Dover.)

Hendry, S. H., & Reid, R. C. (2000). The koniocellular pathway in primate vision. *Annual Review of Neuroscience*, *23*, 127–153.

Henik, A., Rafal, R., & Rhodes, D. (1994). Endogenously generated and visually guided saccades after lesions of the human frontal eye fields. *Journal of Cognitive Neuroscience*, *6*, 400–411.

Herzog, M. H., Dependahl, S., Schmonsees, U., & Fahle, M. (2004a). Valences in contextual vision. *Vision Research*, *44*, 3131–3143.

Herzog, M. H., Ernst, U., Etzold, A., & Eurich, C. (2003a). Local interactions in neural networks explain global effects in gestalt processing and masking. *Neural Computation*, *15*, 2091–2113.

Herzog, M. H., & Fahle, M. (2002). Effects of grouping on contextual modulation. *Nature*, *415*, 433–436.

Herzog, M. H., Fahle, M., & Koch, C. (2001a). Spatial aspects of object formation revealed by a new illusion, shine-through. *Vision Research*, *41*, 2325–2335. [Please read Erratum: *Vision Research*, *42*, 271.]

Herzog, M. H., Harms, M., Ernst, U., Eurich, C., Mahmud, S., & Fahle, M. (2003b). Extending the shine-through effect to classical masking paradigms. *Vision Research*, *43*, 2659–2667.

Herzog, M. H., & Koch, C. (2001). Seeing properties of an invisible element: Feature inheritance and shine-through. *Proceedings of the National Academy of Sciences, USA*, *98*, 4271–4275.

Herzog, M. H., Koch, C., & Fahle, M. (2001b). Shine-through: Temporal aspects. *Vision Research*, *41*, 2337–2346.

Herzog, M. H., Kopmann, S., & Brand, A. (2004b). Intact figure–ground-segmentation in schizophrenic patients. *Psychiatry Research*, *129*, 55–63.

Herzog, M. H., Parish, L., Koch, C., & Fahle, M. (2003c). Fusion of competing features is not serial. *Vision Research*, *43*, 1951–1960.

Heywood, C. A., Kentridge, R. W., & Cowey, A. (2001). Colour and the cortex: Wavelength processing in cortical achromatopsia. In B. de Gelder, E. de Haan, & C. Heywood (Eds.), *Out of mind* (pp. 52–68). Oxford, England: Oxford University Press.

Hikosaka, O., Miyauchi, S., & Shimojo, S. (1993). Voluntary and stimulus-induced attention detected as motion sensation. *Perception*, *22*, 517–526.

Hillyard, S. A., Hink, R. F., Schwent, V. L., & Picton, T. W. (1973). Electrical signs of selective attention in the human brain. *Science*, *182*, 177–179.

Hillyard, S. A., & Münte, T. F. (1984). Selective attention to color and location: An analysis with event-related brain potentials. *Perception and Psychophysics*, *36*, 185–198.

Hillyard, S. A., Vogel, E. K., & Luck, S. J. (1998). Sensory gain control (amplification) as a mechanism of selective attention: Electrophysiological and neuroimaging evidence. *Philosophical Transactions of the Royal Society of London, B*, *353*, 1257–1270.

Hobson, J. A., & Steriade, M. (1986). The neuronal basis of behavioral state control: Internal regulatory systems of the brain. In F. Bloom & V. Mountcastle (Eds.), *Handbook of physiology* (Vol. 4, pp. 701–823). Baltimore: American Physiological Society.

Hochberg, J. (1968). In the mind's eye. In R. N. Haber (Ed.), *Contemporary theory and research in visual perception* (pp. 309–331). New York: Holt, Rhinehart & Winston.

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

Hoeger, R. (1997). Speed of processing and stimulus complexity in low-frequency and high-frequency channels. *Perception*, *26*, 1039–1045.

Hopf, J.-M., Boelmans, K., Schoenfeld, A. M., Luck, S. J., & Heinze, H.-J. (2004). Attention to features precedes attention to locations in visual search: Evidence from electromagnetic brain responses in humans. *Journal of Neuroscience*, *24*, 1822–1832.

Hopf, J.-M., Luck, S. J., Girelli, M., Hagner, T., Mangun, G. R., Scheich, H., & Heinze, H.-J. (2000). Neural sources of focused attention in visual search. *Cerebral Cortex*, *10*, 1233–1241.

Hopf, J.-M., Vogel, E. K., Woodman, G. F., Heinze, H.-J., & Luck, S. J. (2002). Localizing visual discrimination processes in time and space. *Journal of Neurophysiology*, *88*, 2088–2095.

Hu, Y., & Goodale, M. A. (2000). Grasping after a delay shifts size-scaling from absolute to relative metrics. *Journal of Cognitive Neuroscience*, *12*, 856–868.

Hubel, D. H. (1988). *Eye, brain, and vision*. New York: Scientific American Library.

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

Hughes, H. C., Nozawa, G., & Kitterle, F. (1996). Global precedence, spatial frequency channels, and the statistics of natural images. *Journal of Cognitive Neuroscience*, *8*, 197–230.

Humphreys, G. W., & Bruce, V. (1989). *Visual cognition*. Hove, England: Erlbaum.

Humphreys, G. W., Romani, C., Olson, A., Riddoch, M. J., & Duncan, J. (1994). Non-spatial extinction following lesions of the parietal lobe in humans. *Nature*, *372*, 357–359.

Hupe, J. M., James, A. C., Girard, P., Payne, B., & Bullier, J. (2001). Feedback connections act on the early part of the responses in monkey visual cortex. *Journal of Neurophysiology*, *85*, 134–145.

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

Husain, M., & Rorden, C. (2003). Non-spatially lateralized mechanisms in hemispatial neglect. *Nature Reviews*, *4*, 26–36.

Huxter, J., Burgess, N., & O'Keefe, J. (2003). Independent rate and temporal coding in hippocampal pyramidal cells. *Nature*, *425*, 828–832.

Hyun, J.-S., & Luck, S. J. (submitted). *Allocation of attention during feature detection and feature localization*.

Intrilligator, J., & Cavanagh, P. (2001). The spatial resolution of visual attention. *Cognitive Psychology*, *43*, 171–216.

Ishai, A., Ungerleider, L. G., Martin, A., Schouten, J. L., & Haxby, J. V. (1999). Distributed representation of objects in the human ventral visual pathway. *Proceedings of the National Academy of Sciences, USA*, *96*, 9379–9384.

Ito, M., & Komatsu, H. (2004). Representation of angles embedded within contour stimuli in area V2 of macaque monkeys. *Journal of Neuroscience*, *24*, 3313–3324.

Jahanshahi, M., & Rothwell, J. (2000). Transcranial magnetic stimulation studies of cognition: An emerging field. *Experimental Brain Research*, *131*, 1–9.

James, T. W., Culham, J., Humphrey, G. K., Milner, D. A., & Goodale, M. A. (2003). Ventral occipital lesions impair object recognition but not object-directed grasping: An fMRI study. *Brain*, *126*, 2463–2475.

James, T. W., Humphrey, G. K., Gati, J. S., Menon, R. S., & Goodale, M. A. (2002). Differential effects of viewpoint on object-driven activation in dorsal and ventral streams. *Neuron*, *35*, 793–801.

Jaśkowski, P. (1996). Simple reaction time and perception of temporal order: Dissociations and hypotheses. *Perceptual and Motor Skills*, *82*, 707–730.

Jaśkowski, P., Skalska, B., & Verleger, R. (2003). How the self controls its "automatic pilot" when processing subliminal information. *Journal of Cognitive Neuroscience*, *15*, 911–920.

Jaśkowski, P., van der Lubbe, R., Schlotterbeck, E., & Verleger, R. (2002). Traces left on visual selective attention by stimuli that are not consciously identified. *Psychological Science*, *13*, 48–54.

Jasper, H. H. (1949). Diffuse projection systems: The integrative action of the thalamic reticular system. *Electroencephalography and Clinical Neurophysiology*, *1*, 405–420.

Jeannerod, M., Decety, D., & Michel, F. (1994). Impairment of grasping movement following a bilateral posterior parietal lesion. *Neuropsychologia*, *32*, 369–380.

Jennett, B. (2002). The vegetative state. *Journal of Neurology, Neurosurgery and Psychiatry*, *73*, 355–356.

Jiang, Y., & Chun, M. M. (2001a). The spatial gradient of visual masking by object substitution. *Vision Research*, *41*, 3121–3131.

Jiang, Y., & Chun, M. M. (2001b). Asymmetric object substitution masking. *Journal of Experimental Psychology: Human Perception and Performance*, *27*, 895–918.

John, E. R. (2003). A theory of consciousness. *Current Directions in Psychological Science*, *12*, 244–250.

Johnson, J. S., & Olshausen, B. A. (2003). Timecourse of neural signatures of object recognition. *Journal of Vision*, *3*, 499–512.

Jolicoeur, P., & Dell'Acqua, R. (1998). The demonstration of short-term consolidation. *Cognitive Psychology*, *36*, 138–202.

Jones, E. G. (1998). A new view of specific and nonspecific thalamocortical connections. In H. H. Jasper, L. Descarries, V. F. Castellucci, & S. Rossignol (Eds.), *Consciousness at the frontiers of neuroscience: Advances in neurology* (Vol. 77, pp. 49–71). Philadelphia: Lipincott-Ravell.

Jones, E. G., & Burton, H. (1976). A projection from the medial pulvinar to the amygdala in primates. *Brain Research*, *104*, 142–147.

Julesz, B. (1972). *Foundations of Cyclopean perception*. Chicago: University of Chicago Press.

Julesz, B. (1981). Textons, the elements of texture perception, and their interactions. *Nature*, *290*, 91–97.

Julesz, B., & White, B. (1969). Short term visual memory and the Pulfrich phenomenon. *Nature*, *222*, 639–641.

Jung, R. (1973). Visual perception and neurophysiology. In R. Jung (Ed.), *Handbook of sensory physiology: Vol. VII/3a. Central processing of visual information: Part A* (pp. 1–152). New York: Springer-Verlag.

Kaas, J. H. (2000). Why does the brain have so many visual areas? In M. S. Gazzaniga (Ed.), *Cognitive neuroscience* (pp. 448–472). Malden, MA: Blackwell.

Kaas, J. H., & Huerta, M. F. (1988). The subcortical visual system of primates. In H. D. Steklis & J. Erwin (Eds.), *Comparative primate biology: Vol. 4. Neurosciences* (pp. 327–391). New York: Wiley-Liss.

Kahneman, D. (1968). Method, findings, and theory in studies of visual masking. *Psychological Bulletin*, *70*, 404–425.

Kamitani, Y., & Shimojo, S. (1999). Manifestation of scotomas created by transcranial magnetic stimulation of human visual cortex. *Nature Neuroscience*, *2*, 767–771.

Kammer, T. (1999). Phosphenes and transient scotomas induced by magnetic stimulation of the occipital lobe: Their topographic relationship. *Neuropsychologia*, *37*, 191–198.

Kammer, T., Scharnowski, F., & Herzog, M. H. (2003). Combining backward masking and transcranial magnetic stimulation in human observers. *Neuroscience Letters*, *343*, 171–174.

Kang, K., Shelley, M., & Sompolinsky, H. (2003). Mexican hats and pinwheels in visual cortex. *Proceedings of the National Academy of Sciences, USA*, *100*, 2848–2853.

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*, 4302–4311.

Kapadia, M. K., Ito, M., Gilbert, C. D., & Westheimer, G. (1995). Improvement in visual sensitivity by changes in local context: Parallel studies in human observers and in V1 of alert monkeys. *Neuron*, *15*, 843–856.

Kaplan, E., & Shapley, R. M. (1986). The primate retina contains two types of retinal ganglion cells, with high and low contrast sensitivity. *Proceedings of the National Academy of Sciences USA*, *83*, 2755–2757.

Karnath, H. O., Ferber, S., & Himmelbach, M. (2001). Spatial awareness is a function of the temporal not the posterior parietal lobe. [Comment in: *Nature*. 2001, June 21; 411(6840): 903–4 UI: 21312029]. *Nature*, *411*, 950–953.

Karnath, H. O., Fruhmann Berger, M., Küker, W., & Rorden, C. (2004). The anatomy of spatial neglect based on voxelwise statistical analysis: A study of 140 patients. *Cerebral Cortex*, *14*, 1164–1172.

Kastner, S., Demmer, I., & Ziemann, U. (1998). Transient visual field defects induced by transcranial magnetic stimulation over human occipital pole. *Experimental Brain Research*, *118*, 19–26.

Kastner, S., De Weerd, P., & Ungerleider, L. G. (2000). Texture segregation in the human visual cortex: A functional MRI study. *Journal of Neurophysiology*, *83*, 2453–2457.

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*, 751–761.

Keane, J. R. (1979). Blinking to sudden illumination: A brain stem reflex present in neocortical death. *Archives of Neurology*, *36*, 52–53.

Kee, K. S., Kern, R. S., & Green, M. F. (1998). Perception of emotion and neurocognitive functioning in schizophrenia: What's the link? *Psychiatry Research*, *81*(1), 57–65.

Kentridge, R. W., & Heywood, C. A. (2001). Attention and alerting: Cognitive processes spared in blindsight. In B. de Gelder, E. de Haan, & C. Heywood (Eds.), *Out of mind* (pp. 163–181). Oxford, England: Oxford University Press.

Kentridge, R. W., Heywood, C. A., & Weiskrantz, L. (2004). Spatial attention speeds discrimination without awareness in blindsight. *Neuropsychologia*, *42*, 831–835.

Keri, S., Antal, A., Benedek, G., & Janka, Z. (2000). Visual information processing in patients with schizophrenia: Evidence for the impairment of central mechanism. *Neuroscience Letters*, *293*(1), 69–71.

Keri, S., Kelemen, O., Benedek, G., & Janka, Z. (2001). Different trait markers for schizophrenia and bipolar disorder: A neurocognitive approach. *Psychological Medicine*, *31*, 915–922.

Kerkhoff, G. (2001). Spatial neglect in humans. *Progress in Neurobiology*, *63*, 1–27.

Kerzel, D., & Gegenfurtner, K. R. (2003). Neuronal processing delays are compensated in the sensorimotor branch of the visual system. *Current Biology*, *13*, 1975–1978.

Khurana, B., & Nijhawan, R. (1995). Extrapolation or attentional shift?—Reply. *Nature*, *378*, 566.

Khurana, B., Watanabe, K., & Nijhawan, R. (2000). The role of attention in motion extrapolation: Are moving objects 'corrected' or flashed objects attentionally delayed? *Perception*, *29*, 675–692.

Kiefer, M. (2002). The N400 is modulated by unconsciously perceived masked words: Further evidence for an automatic spreading activation account of N400 priming effects. *Brain Research. Cognitive Brain Research*, *13*, 27–39.

Kihlstrom, J. F. (1996). Perception without awareness of what is perceived, learning without awareness of what is learned. In V. Velman (Ed.), *The science of consciousness* (pp. 23–46). London: Routledge.

Kim, H., & Francis, G. (1998). A computational and perceptual account of motion lines. *Perception*, *27*, 785–797.

Kinoshita, S., & Lupker, S. (2003). *Masked priming*. New York: Psychology Press.

Klapp, S. T., & Hinkley, L. B. (2002). The negative compatibility effect: Unconscious inhibition influences reaction time and response selection. *Journal of Experimental Psychology: General*, *131*, 255–269.

Klotz, W., & Neumann, O. (1999). Motor activation without conscious discrimination in metacontrast masking. *Journal of Experimental Psychology: Human Perception and Performance*, *25*, 976–992.

Klotz, W., & Wolff, P. (1995). The effect of a masked stimulus on the response to the masking stimulus. *Psychological Research*, *58*, 92–101.

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

Knill, D. C., & Richards, W. (Eds.). (1996). *Perception as Bayesian inference*. Cambridge, England: Cambridge University Press.

Koch, C. (2004). *The quest for consciousness: A neurobiological approach*. Englewood, CO: Roberts.

Koch, C., & Crick, F. (2001a). The zombie within. *Nature*, *411*, 893.

Koch, C., & Crick, F. (2001b). Neural basis of consciousness. In *International encyclopedia of the social and behavioral sciences* (pp. 2600–2604). Amsterdam: Elsevier.

Koch, C., & Segev, I. (1989). *Methods in neuronal modeling*. Cambridge, MA: MIT Press.

Koechlin, E., Anton, J. L., & Burnod, Y. (1999). Bayesian inference in populations of cortical neurons: A model of motion integration and segregation in area MT.

Koffka, K. (1935). *Principles of Gestalt psychology*. New York: Harcourt Brace.

Kolers, P. A. (1962). Intensity and contour effects in visual masking. *Vision Research*, *2*, 277–294.

Kolers, P. A. (1972). *Aspects of motion perception*. New York: Pergamon Press.

Kolers, P. A., & Rosner, B. S. (1960). On visual masking (metacontrast): Dichoptic observation. *American Journal of Psychology*, *73*, 2–21.

Kouider, S., & Dupoux, E. (2004). Partial awareness creates the "illusion" of subliminal semantic priming. *Psychological Science*, *15*, 75–81.

Kóvacs, G., Vogels, R., & Orban, G. A. (1995). Cortical correlates of pattern backward-masking. *Proceedings of the National Academy of Sciences, USA*, *92*, 5587–5591.

Kovács, I., Papathomas, T. V., Yang., M., & Fehér, Á. (1996). When the brain chages its mind: Interocular grouping during binocular rivalry. *Proceedings of the National Academy of Sciences, USA*, *93*, 15508–15511.

Kragh, U., & Smith, G. (1970). *Percept-genetic analysis.* Lund, Sweden: Gleerup.

Kreegipuu, K., & Allik, J. (2003). Perceived onset time and position of a moving stimulus. *Vision Research*, *43*, 1625–1635.

Kreiman, G., Fried, I., & Koch, C. (2002). Single-neuron correlates of subjective vision in the human medial temporal lobe. *Proceedings of the National Academy of Sciences, USA*, *99*, 8378–8383.

Krekelberg, B., & Lappe, M. (2000). A model of the perceived relative positions of moving objects based upon a slow averaging process. *Vision Research*, *40*, 201–215.

Krekelberg, B., & Lappe, M. (2001). Neuronal latencies and the position of moving objects. *Trends in Neurosciences*, *24*, 335–339.

Kremers, J. (1999). Spatial and temporal response properties of the major retino-geniculate pathways of Old and New World monkeys, *Documenta Ophthalmologica*, *95*, 229–245.

Kulikowski, J. J., & Tolhurst, D. J. (1973). Psychophysical evidence for sustained and transient detectors in human vision. *Journal of Physiology*, *232*, 149–162.

Kwon, J. S., O'Donnell, B. F., Wallenstein, G. V., Greene, R. W., Hirayasu, Y., Nestor, P. G., et al. (1999). Gamma frequency-range abnormalities to auditory stimulation in schizophrenia. *Archives of General Psychiatry*, *56*, 1001–1005.

LaBerge, D. (1995). *Attentional processing*. Cambridge, MA: Harvard University Press.

Ladavas, E., Cimatti, D., Del Pesce, M., & Tuozzi, G. (1993a). Emotional evaluation with and without conscious stimulus identification: Evidence from a split-brain patient. *Cognition and Emotion*, *7*, 95–114.

Ladavas, E., Paladini, R., & Cubelli, R. (1993b). Implicit associative priming in a patient with left visual neglect. *Neuropsychologia*, *31*, 1307–1320.

Ladavas, E., Zeloni, G., Zaccara, G., & Gangemi, P. (1997). Eye movements and orienting of attention in patients with visual neglect. *Journal of Cognitive Neuroscience*, *9*, 67–74.

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

Lamme, V. A. F. (2000). Neural mechanisms of visual awareness: A linking proposition. *Brain and Mind*, *1*, 385–406.

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

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

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

Lamme, V. A. F., & Spekreijse, H. (1998). Neuronal synchrony does not represent texture segregation. *Nature*, *396*, 362–366.

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

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

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

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

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

Landahl, H. D. (1967). A neural net model for masking phenomena. *Bulletin of Mathematical Biophysics*, *29*, 227–232.

Landy, M. S., & Bergen, J. R. (1991). Texture segregation and orientation gradient. *Vision Research*, *31*, 679–691.

Lange, N. N. (1892a). The law of perception. I–II. (in Russian). *Voprosy Filosofii I Psikhologii, Spetsial'nyi Otdel*, *13*, 18–37.

Lange, N. N. (1892b). The law of perception. III. (in Russian). *Voprosy Filosofii I Psikhologii, Spetsial'nyi Otdel*, *14*, 44–54.

Lange, N. N. (1892c). The law of perception. IV–V. (in Russian). *Voprosy Filosofii I Psikhologii, Spetsial'nyi Otdel*, *15*, 55–68.

Lange, N. N. (1892d). The law of perception. VI–VII. (in Russian). *Voprosy Filosofii I Psikhologii, Spetsial'nyi Otdel*, *16*, 25–38.

Lappe, M., & Krekelberg, B. (1998). The position of moving objects. *Perception*, *27*, 1437–1449.

Laureys, S., Antoine, S., Boly, M., Elincx, S., Faymonville, M.-E., Berré, J., Sadzot, B., Ferring, M., De Tiege, X., Van Bogaert, T., Hansen, I., Damas, P., Mavroudakis, N., Lambermont, B., del Fiore, G., Aerts, J., Delguedre, C., Phillips, C., Franck, G., Vincent, J.-L., Lamy, M., Luxen, A., Moonen, G., Goldman, S., & Maquet, P. (2002). Brain function in the vegetative state. *Acta Neurologica Belgica*, *102*, 177–185.

Lawrence, D. H. (1971). Two studies of visual search for word targets with controlled rates of presentation. *Perception and Psychophysics*, *10*, 85–89.

Lee, T. S., Mumford, D., Romero, R., & Lamme, V. A. F. (1998). The role of the primary visual cortex in higher level vision, *Vision Research*, *38*, 2429–2454.

Lee, B. B., Pokorny, J., Smith, V. C., Martin, P. R., & Valberg, A. (1990). Luminance and chromatic modulation sensitivity of macaque ganglion cells and human observers. *Journal of the Optical Society of America, A*, *7*, 2223–2236.

Lee, K.-H., Williams, L. M., Breakspear, M., & Gordon, E. (2003). Synchronous gamma activity: A review and contribution to an integrative neuroscience model of schizophrenia. *Brain Research Reviews*, *41*, 57–78.

Lee, S. H., & Blake, R. (2004). A fresh look at interocular grouping during binocular rivalry. *Vision Research*, *44*, 983–991.

Lee, T. S., & Mumford, D. (2003). Hierarchical Bayesian inference in the visual cortex. *Journal of the Optical Society of America, A*, *20*, 1434–1448.

Lee, T. S., Mumford, D., Romero, R., & Lamme, V. A. F. (1998). The role of the primary visual cortex in higher level vision. *Vision Research*, *38*, 2429–2454.

Lee, T., Mumford, D., & Schiller, P. (1995). Neuronal correlates of boundary and medial axis representations in primate visual cortex. *Journal of Investigative Ophthalmology and Visual Science*, *36*, 477.

Lee, T. S., Yang, C. F., Romero, R. D., & Mumford, D. (2002). Neural activity in early visual cortex reflects behavioral experience and higher-order perceptual saliency. *Nature Neuroscience*, *5*, 589–597.

Leeuwenberg, E., Mens, L., & Calis, G. (1985). Knowledge within perception: Masking caused by incompatible interpretation. *Acta Psychologica*, *55*, 91–102.

Legge, G. (1978). Sustained and transient mechanisms in human vision: Temporal and spatial properties. *Vision Research*, *18*, 341–376.

Lennie, P. (1981). The physiological basis of variations in visual latency. *Vision Research*, *21*, 815–824.

Lennie, P. (1998). Single units and visual cortical organization. *Perception*, *27*, 889–935.

Leopold, D. A., & Logothetis, N. K. (1996). Activity changes in early visual cortex reflect monkeys' percepts during binocular rivalry. *Nature*, *379*, 549–552.

Leopold, D. A., & Logothetis, N. K. (1999). Multistable phenomena: Changing views in perception. *Trends in Cognitive Sciences*, *3*, 254–264.

Leuthold, H., & Kopp, B. (1998). Mechanisms of priming by masked stimuli: Inferences from event-related brain potentials. *Psychological Science*, *9*, 263–269.

Leventhal, A. G., Thompson, K. G., Liu, D., Zhou, Y., & Ault, S. J. (1995). Concomitant sensitivity to orientation, direction, and color of cells in layers 2, 3, and 4 of monkey striate cortex. *Journal of Neuroscience*, *15*, 1808–1818.

Li, C. Y., & Li, W. (1994). Extensive integration field beyond the classical receptive field of cat's striate cortical neurons: Classification and tuning properties. *Vision Research*, *34*, 2337–2355.

Li, W., Thier, P., & Wehrhahn, C. (2000). Contextual influence on orientation discrimination of humans and responses of neurons in V1 of alert monkeys. *Journal of Neurophysiology*, *83*, 941–954.

Li, Z. P. (2000). Can V1 mechanisms account for figure–ground and medial-axis effects? In S. A. Solla, T. K. Leen, & K.-R. Muller (Eds.), *Advances in neural information processing systems* (Vol. 12, pp. 134–142). Cambridge, MA: MIT Press.

Li, Z. P. (2003). V1 mechanisms and some figure–ground and border effects. *Journal of Physiology*, *97*, 503–515.

Libet, B. (1966). Brain stimulation and the threshold of conscious experience. In J. C. Eccles (Ed.), *Brain and conscious experience* (pp. 165–181). Berlin, Germany: Springer-Verlag.

Libet, B. (1973). Electrical stimulation of cortex in human subjects and conscious sensory aspects. In A. Iggo (Ed.), *Handbook of sensory physiology:* Vol. 2. *Somatosensory systems* (pp. 743–790). Berlin, Germany: Springer-Verlag.

Libet, B. (1985). Unconscious cerebral initiative and the role of conscious will in voluntary action. *Behavioral and Brain Sciences*, *8*, 529–566.

Libet, B. (1993). *Neurophysiology of consciousness: Selected papers and new essays by Benjamin Libet*. Boston: Birkhäuser.

Libet, B. (2002). The timing of mental events: Libet's experimental findings and their implications. *Consciousness and Cognition*, *11*, 291–299.

Libet, B. (2004). *Mind time*. Cambridge, MA: Harvard University Press.

Lissauer, H. (1890). Ein Fall von Seelenblindheit nebst einem Baeitrage zur Theorie derselben. *Archiv der Psychiatrie und Nervenkrankheiten*, *21*, 222–270.

Lit, A. (1960). The magnitude of the Pulfrich stereophenomenon as a function of target velocity. *Journal of Experimental Psychology*, *59*, 165–175.

Liu, J., Harris, A., & Kanwisher, N. (2002). Stages of processing in face perception: An MEG study. *Nature Neuroscience*, *5*, 910–916.

Liu, T., & Cooper, L. A. (2001). The influence of task requirements on priming in object decision and matching. *Memory & Cognition*, *29*, 874–882.

Livingstone, M., & Hubel, D. (1988). Segregation of form, color, movement, and depth: Anatomy, physiology, and perception. *Science*, *240*, 740–749.

Lleras, A., & Enns, J. T. (2004). Negative compatibility or object updating? A cautionary tale of mask-dependent priming. *Journal of Experimental Psychology: General*, *133*, 475–493.

Lleras, A., & Moore, C. M. (2003). When the target becomes the mask: Using apparent motion to isolate the object-level component of object substitution masking. *Journal of Experimental Psychology: Human Perception and Performance*, *29*, 106–120.

Lleras, A., Rensink, R. A., & Enns, J. T. (under review). *Rapid resumption of interrupted search reveals new role for memory in human vision.*

Llinás, R. R. (2001). *I of the vortex: From neurons to self*. Cambridge, MA: MIT Press.

Llinás, R., & Pare, D. (1996). The brain as a closed system modulated by the senses. In R. Llinas & P. S. Churchland (Eds.), *The mind–brain continuum* (pp. 1–8). Cambridge, MA: MIT Press.

Loftus, G. R., & Masson, M. E. (1994). Using confidence intervals in within-subject designs. *Psychonomic Bulletin & Review*, *1*, 476–490.

Logan, G. D. (1996). The CODE theory of visual attention: An integration of space-based and object-based attention. *Psychological Review*, *103*, 603–649.

Luck, S. J. (1995). Multiple mechanisms of visual-spatial attention: Recent evidence from human electrophysiology. *Behavioural Brain Research*, *71*, 113–123.

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

Luck, S. J., Fan, S., & Hillyard, S. A. (1993). Attention-related modulation of sensory-evoked brain activity in a visual search task. *Journal of Cognitive Neuroscience*, *5*, 188–195.

Luck, S. J., & Ford, M. A. (1998). On the role of selective attention in visual perception. *Proceedings of the National Academy of Sciences*, *USA*, *95*, 825–830.

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

Luck, S. J., Heinze, H. J., Mangun, G. R., & Hillyard, S. A. (1990). Visual event-related potentials index focused attention within bilateral stimulus arrays: II. Functional dissociation of P1 and N1 components. *Electroencephalography and Clinical Neurophysiology*, *75*, 528–542.

Luck, S. J., & Hillyard, S. A. (1990). Electrophysiological evidence for parallel and serial processing during visual search. *Perception & Psychophysics*, *48*, 603–617.

Luck, S. J., & Hillyard, S. A. (1994a). Electrophysiological correlates of feature analysis during visual search. *Psychophysiology*, *31*, 291–308.

Luck, S. J., & Hillyard, S. A. (1994b). Spatial filtering during visual search: Evidence from human electrophysiology. *Journal of Experimental Psychology: Human Perception and Performance*, *20*, 1000–1014.

Luck, S. J., & Hillyard, S. A. (1995). The role of attention in feature detection and conjunction discrimination: An electrophysiological analysis. *International Journal of Neuroscience*, *80*, 281–297.

Luck, S. J., Hillyard, S. A., Mouloua, M., Woldorff, M. G., Clark, V. P., & Hawkins, H. L. (1994). Effects of spatial cuing on luminance detectability: Psychophysical and electrophysiological evidence for early selection. *Journal of Experimental Psychology: Human Perception and Performance*, *20*, 887–904.

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

Lumer, E. D., Friston, K. J., & Rees, G. (1998). Neural correlates of perceptual rivalry in the human brain. *Science*, *280*, 1930–1934.

Luria, A. R. (1969). *The mind of a mnemonist*. London: Jonathan Cape.

MacDonald, A. W., III, Cohen, J. D., Stenger, V. A., & Carter, C. S. (2000). Dissociating the role of the dorsolateral prefrontal and anterior cingulate cortex in cognitive control. *Science*, *288*, 1835–1838.

Mack, A., & Rock, I. (1998). *Inattentional blindness*. Cambridge, MA: MIT Press.

MacKay, D. M. (1958). Perceptual stability of a stroboscopically lit visual field containing self-luminous objects. *Nature*, *181*, 507–508.

MacKay, D. M. (1973). Lateral interaction between neural channels sensitive to texture density. *Nature*, *245*, 159–161.

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

Macknik, S. L., Martinez-Conde, S., & Haglund, M. M. (2000). The role of spatiotemporal edges in visibility and visual masking. *Proceedings of the National Academy of Sciences*, *USA*, *97*, 7556–7560.

Maffei, L., & Fiorentini, A. (1976). The unresponsive regions of visual cortical receptive fields. *Vision Research*, *16*, 1131–1139.

Magoun, H. W. (1958). *The waking brain*. Springfield, IL: C. C. Thomas.

Maki, W. S., Frigen, K., & Paulson, K. (1997). Associative priming by targets and distractors during rapid serial visual presentation: Does word meaning survive the attentional blink? *Journal of Experimental Psychology: Human Perception and Performance*, *23*, 1014–1034.

Malach, R., Amir, Y., Harel, M., & Grinvald, A. (1993). Relationship between intrinsic connections and functional architecture revealed by optical imaging and in vivo targeted biocytin injections. *Proceedings of the National Academy of Sciences*, *USA*, *90*, 10469–10473.

Mangun, G. R., & Hillyard, S. A. (1991). Modulations of sensory-evoked brain potentials indicate changes in perceptual processing during visual-spatial priming. *Journal of Experimental Psychology: Human Perception and Performance*, *17*, 1057–1074.

Manly, T., Woldt, K., Watson, P., & Warburton, E. (2002). Is motor perseveration in unilateral neglect "driven" by the presence of neglected leftsided stimuli? *Neuropsychologia*, *40*, 1794–1803.

Marcel, A. J. (1983a). Conscious and unconscious perception: Experiments on visual masking and word recognition. *Cognitive Psychology*, *15*, 197–237.

Marcel, A. J. (1983b). Conscious and unconscious perception: An approach to the relations between phenomenal experience and perceptual processes. *Cognitive Psychology*, *15*, 238–300.

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

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

Martin, E., Thiel, T., Joeri, P., Loenneker, T., Ekatodramis, E., Huisman, T., Hennig, J., & Marcar, V. L. (2000). Effect of pentobarbital on visual processing in man. *Human Brain Mapping*, *10*, 132–139.

Martin, K. A. C. (1992). Parallel pathways converge. *Current Biology*, *2*, 555–557.

Martinez, A., Di Russo, F., Anllo-Vento, L., Sereno, M. I., Buxton, R. B., & Hillyard, S. A. (2001). Putting spatial attention on the map: Timing and localization of stimulus selection processes in striate and extrastriate visual areas. *Vision Research*, *41*, 1437–1457.

Marzi, C. A., Tassinari, G., Lutzemberger, L., & Aglioti, A. (1986). Spatial summation across vertical meridian in henianopics. *Neuropsychologia*, *24*, 749–758.

Mateeff, S., Genova, B., & Hohnsbein, J. (1999). The simple reaction time to changes in direction of visual motion. *Experimental Brain Research*, *124*, 391–394.

Mateeff, S., & Hohnsbein, J. (1988). Perceptual latencies are shorter for motion towards the fovea than for motion away. *Vision Research*, *28*, 711–719.

Matell, M. S., & Meck, W. H. (2000). Neuropsychological mechanisms of interval timing behavior. *Bioessays*, *22*, 94–103.

Matin, E. (1975). The two-transient (masking) paradigm. *Psychological Review*, *82*, 451–461.

Mattingley, J. B., Bradshaw, J. L., & Bradshaw, J. A. (1995). The effects of unilateral visuospatial neglect on perception of Müller–Lyer illusory figures. *Perception*, *24*, 415–433.

Mattler, U. (2003). Priming of mental operations by masked stimuli. *Perception & Psychophysics*, *65*, 167–187.

Maunsell, J. H. R., Ghose, G. G., Assas, J. A., McAdams, C. J., Boudreau, C. E., & Noerager, B. D. (1999). Visual response latencies of magnocellular and parvocellular LGN neurons in macaque monkeys. *Visual Neuroscience*, *16*, 1–14.

Maunsell, J. H. R., & Gibson, J. R. (1992). Visual response latencies in striate cortex of the macaque monkey. *Journal of Neurophysiology*, *68*, 1332–1344.

Maunsell, J. H., & Van Essen, D. C. (1983). Functional properties of neurons in middle temporal visual area of the macaque monkey: I. Selectivity for stimulus direction, speed, and orientation. *Journal of Neurophysiology*, *49*, 1127–1147.

McCarley, R. W., Hsiao, J., Freedman, R., Pfefferbaum, A., & Donchin, E. (1996). Neuroimaging and the cognitive neuroscience of schizophrenia. *Schizophrenia Bulletin*, *22*, 703–726.

McCarter, A., & Roehrs, T. (1976). A spatial frequency analogue to Mach bands. *Vision Research*, *16*, 1317–1321.

McElree, B., & Carrasco, M. (1999). The temporal dynamics of visual search: Evidence for parallel processing in feature and conjunction searches. *Journal of Experimental Psychology: Human Perception and Performance*, *25*, 1517–1539.

McGlinchey-Berroth, R., Milberg, W. P., Verfaellie, M., Alexander, M., & Kilduff, P. T. (1993). Semantic processing in the neglected visual field: Evidence from a lexical decision task. *Cognitive Neuropsychology*, *10*, 79–108.

McIntosh, R. (2000). Seeing size and weight. *Trends in Cognitive Sciences*, *4*, 442–444.

Meadows, J. C. (1974). Disturbed perception of colours associated with localized cerebral lesions. *Brain*, *97*, 615–632.

Merikle, P. M., & Daneman, M. (1998). Psychological investigations of nonconscious perception. *Journal of Consciousness Studies*, *5*, 5–18.

Merikle, P. M., & Joordens, S. (1997). Parallels between perception without attention and perception without awareness. *Consciousness and Cognition*, *6*, 219–236.

Merikle, P. M., Joordens, S., & Stolz, J. A. (1995). Measuring the relative magnitude of unconscious influences. *Consciousness and Cognition*, *4*, 422–439.

Metzger, W. (1932). Versuch einer gemeinsamen Theorie der Phänomene Fröhlich's und Hazelhoff's und Kritik ihrer Verfahren zur Messung der Empfindungszeit. *Psychological Research/Psychologische Forschung*, *16*, 176–200.

Metzinger, T. (Ed.). (1995). *Conscious experience*. Paderborn, Germany: Schöningh/Imprint Academic.

Metzinger, T. (2000). *Neural correlates of consciousness*. Cambridge, MA: MIT Press.

Michaels, C. F., & Turvey, M. T. (1979). Central sources of visual masking: Indexing structures supporting seeing at a single, brief glance. *Psychological Research*, *41*, 1–61.

Mignard, M., & Malpeli, J. G. (1991). Paths of information flow through visual cortex. *Science*, *251*, 1249–1251.

Milner, A. D., Dijkerman, H. C., Pisella, L., McIntosh, R. D., Tilikete, C., Vighetto, A., & Rossetti, Y. (2001). Grasping the past: Delay can improve visuomotor performance. *Current Biology*, *11*, 1–20.

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

Milner, A. D., Paulignan, Y., Dijkerman, H. C., Michel, F., & Jeannerod, M. (1999). A paradoxical improvement of misreaching in optic ataxia: New evidence for two separate neural systems for visual localization. *Proceedings of the Royal Society of London*, *B*, *266*, 2225–2229.

Milner, A. D., Perrett, D. I., Johnston, R. S., Benson, P. J., Jordan, T. R., Heeley, D. W., Bettucci, D., Mortara, F., Mutani, R., & Terazzi, E., Davidson, D. L. W. (1991). Perception and action in "visual form agnosia." *Brain*, *114*, 405–428.

Milner, B., & Teuber, H.-L. (1968). Alteration of perception and memory in man. In L. Weiskrantz (Ed.), *Analysis of behavioral change* (pp. 268–376). New York: Harper & Row.

Mithen, S. (1996). *The prehistory of the mind*. London: Thames & Hudson.

Moran, J., & Desimone, R. (1985). Selective attention gates visual processing in the extrastriate cortex. *Science*, *229*, 782–784.

Mordkoff, J. T., Yantis, S., & Egeth, H. E. (1990). Detecting conjunctions of color and form in parallel. *Perception & Psychophysics*, *48*, 157–568.

Morris, J. S., Öhman, A., & Dolan, R. J. (1998). Conscious and unconscious emotional learning in the human amygdala. *Nature*, *393*, 467–470.

Mort, D. J., Malhotra, P., Mannan, S. K., Rorden, C., Pambakian, A., Kennard, C., & Husain, M. (2003). The anatomy of visual neglect. *Brain*, *126*, 1986–1997.

Moruzzi, G., & Magoun, W. (1949). Brainstem reticular formation and activation of the EEG. *Electroencephalography and Clinical Neurophysiology*, *1*, 455–473.

Motter, B. C. (1994). Neural correlates of attentive selection for color or luminance in extrastriate area V4. *Journal of Neuroscience*, *14*, 2178–2189.

Moutoussis, K., & Zeki, S. (1997a). A direct demonstration of perceptual asynchrony in vision. *Proceedings of the Royal Society of London*, *B*, *264*, 393–399.

Moutoussis, K., & Zeki, S. (1997b). Functional segregation and temporal hierarchy of the visual perceptive systems. *Proceedings of the Royal Society of London*, *B*, *264*, 1407–1414.

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

Mumford, D. (1992). On the computational architecture of the neocortex: II. The role of cortico-cortical loops. *Biological Cybernetics*, *66*, 241–251.

Munk, M. H., Nowak, L. G., Girard, P., Chounlamountri, N., & Bullier, J. (1995). Visual latencies in cytochrome oxidase bands of macaque area V2. *Proceedings of the National Academy of Sciences*, *USA*, *92*, 988–992.

Munk, M. H. J., Roelfsema, P. R., König, P., Engel, A. K., & Singer, W. (1996). Role of reticular activation in the modulation of intracortical synchronization. *Science*, *272*, 271–274.

Müsseler, J., Stork, S., & Kerzel, D. (2002). Comparing mislocalizations with moving stimuli: The Fröhlich effect, the flash-lag, and representational momentum. *Visual Cognition*, *9*, 120–138.

Naatanen, R. (1975). Selective attention and evoked potentials in humans—A critical review. *Biological Psychology*, *2*, 237–307.

Naccache, L., Blandin, E., & Dehaene, S. (2002). Unconscious masked priming depends on temporal attention. *Psychological Science*, *13*, 416–424.

Naccache, L., & Dehaene, S. (2001). The priming method: Imaging unconscious repetition priming reveals an abstract representation of number in parietal lobes. *Cerebral Cortex*, *11*, 966–974.

Nakayama, K., & Shimojo, S. (1992). Experiencing and perceiving visual surfaces. *Science*, *257*, 1357–1363.

Nakayama, K., Shimojo, S., & Silverman, G. H. (1989). Stereoscopic depth—Its relation to image segmentation, grouping, and the recognition of occluded objects. *Perception*, *18*, 55–68.

Namba, J., & Baldo, M. V. C. (2004). The modulation of the flash-lag effect by voluntary attention. *Perception*, *33*, 621–631.

Navon, D. (1977). Forest before trees: The precedence of global features in visual perception. *Cognitive Psychology*, *9*, 353–383.

Navon, D., & Purcell, D. G. (1981). Does integration produce masking or protect from it? *Perception*, *10*, 71–84.

Neill, W. T., Hutchison, K. A., & Graves, D. F. (2002). Masking by object substitution: Dissociation of masking and cuing effects. *Journal of Experimental Psychology: Human Perception and Performance*, *28*, 682–694.

Neisser, U. (1967). *Cognitive psychology*. New York: Appleton-Century-Crofts.

Nelkin, N. (1996). *Consciousness and the origins of thought*. Cambridge, England: Cambridge University Press.

Neumann, O. (1990). Direct parameter specification and the concept of perception. *Psychological Research*, *52*, 207–215.

Neumann, O., & Klotz, W. (1994). Motor responses to nonreportable, masked stimuli: Where is the limit of direct parameter specification? In C. Umilta & M. Moscovitch (Eds.), *Attention and performance* (Vol. 15, pp. 123–150). Cambridge, MA: MIT Press.

Newman, J. (1995). Thalamic contributions to attention and consciousness. *Consciousness and Cognition*, *4*, 172–193.

Niedeggen, M., Wichmann, P., & Stoerig, P. (2001). Change detection and time to consciousness. *European Journal of Neuroscience*, *14*, 1–10.

Nijhawan, R. (1994). Motion extrapolation in catching. *Nature*, *370*, 256–257.

Nijhawan, R. (2001). The flash-lag phenomenon: Object and eye movements. *Perception*, *30*, 263–282.

Nijhawan, R. (2002). Neural delays, visual motion and the flash-lag effect. *Trends in Cognitive Sciences*, *6*, 387–393.

Nishida, S., & Johnston, A. (2002). Marker correspondence, not processing latency, determines temporal binding of visual attributes. *Current Biology*, *12*, 359–368.

Nissen, M. J. (1985). Accessing features and objects: Is location special? In M. I. Posner & O. S. M. Marin (Eds.), *Attention and performance* (Vol. 11, pp. 205–219). Hillsdale, NJ: Erlbaum.

Noesselt, T., Hillyard, S. A., Woldorff, M. G., Schoenfeld, A., Hagner, T., Jäncke, L., Tempelmann, C., Hinrichs, H., Heinze, H. J. (2002). Delayed striate cortical activation during spatial attention. *Neuron*, *35*, 575–587.

Nothdurft, H. C. (1985). Orientation sensitivity and texture segmentation in patterns with different line orientation. *Vision Research*, *25*, 551–560.

Nothdurft, H. C. (1991). Texture segmentation and pop-out from orientation contrast. *Vision Research*, *31*, 1073–1078.

Nothdurft, H. C. (1992). Feature analysis and the role of similarity in pre-attentive vision. *Perception & Psychophysics*, *52*, 355–375.

Nowak, L. G., & Bullier, J. (1997). The timing of information transfer in the visual system. In J. Kaas, K. Rockland, & A. Peters (Eds.), *Cerebral cortex: Extrastriate cortex in primates* (pp. 205–241). New York: Plenum Press.

Nowak, L. G., Munk, M. H. J., Girard, P., & Bullier, J. (1985). Visual latencies in areas V1 and V2 of the macaque monkey. *Visual Neuroscience*, *12*, 371–384.

Nunez, P. L. (1981). *Electric fields of the brain*. New York: Oxford University Press.

Öğmen, H. (1993). A neural theory of retino–cortical dynamics. *Neural Networks*, *6*, 245–273.

Öğmen, H., Breitmeyer, B. G., & Melvin, R. (2003). What and where in visual masking. *Vision Research*, *43*, 1337–1350.

Öğmen, H., Breitmeyer, B. G., Todd, S., & Mardon, L. (2004a). Double dissociation in target recovery column effect of contrast. *Journal of Vision*, *4*, 74a.

Öğmen, H., & Gagne, S. (1990). Neural models for sustained and on–off units of insect lamina. *Biological Cybernetics*, *63*, 51–60.

Öğmen, H., Patel, S. S., Bedell, H. E., & Camuz, K. (2004b). Differential latencies and the dynamics of the position-computation process for moving targets, assessed with the flash-lag effect. *Vision Research*, *44*, 2109–2128.

Olk, B., Harvey, M., Dow, L., & Murphy, P. J. S. (2001). Illusion processing in hemispatial neglect. *Neuropsychologia*, *39*, 611–625.

Olson, I. R., Chun, M. M., & Allison, T. (2001). Contextual guidance of attention: Human intracranial event-related potential evidence for feedback modulation in anatomically early, temporally late stages of visual processing. *Brain*, *124*, 1417–1425.

Oostenveld, R., Praamstra, P., Stegeman, D. F., & van Oosterom, A. (2001). Overlap of attention and movement-related activity in lateralized event related brain potentials. *Clinical Neurophysiology*, *112*, 477–484.

Optican, L. M., & Richmond, B. J. (1987). Temporal encoding of two-dimensional patterns by single units in primate inferior temporal cortex: III. Information theoretic analysis. *Journal of Neurophysiology*, *57*, 162–178.

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

O'Regan, J. K., & Noë, A. (2001). A sensorimotor account of vision and visual consciousness. *Behavioral and Brain Sciences*, *24*, 939–1031.

O'Regan, J. K., Rensink, R. A., & Clark, J. J. (1999). Change-blindness as a result of "mudsplashes." *Nature*, *398*, 34.

O'Shea, R. P., & Crassini, B. (1984). Binocular rivalry occurs without simultaneous presentation of rival stimuli. *Perception & Psychophysics*, *36*, 266–276.

Ortells, J. J., Daza, M. T., & Fox, E. (2003). Semantic activation in the absence of perceptual awareness. *Perception & Psychophysics*, *65*, 1307–1317.

Overgaard, M., Nielsen, J. F., & Fuglsang-Frederiksen, A. (2004). A TMS study of the ventral projections from V1 with implications for the finding of neural correlates of consciousness. *Brain and Cognition*, *54*, 58–64.

Pandya, D. N., & Barnes, C. L. (1987). Architecture and connections of the frontal lobe. In E. Perecman (Ed.), *The frontal lobes revisited* (pp. 41–72). New York: Institute for Research in Behavioral Neuroscience.

Panzeri, S., Schultz, S. R., Treves, A., & Rolls, E. T. (1999). Correlations and the encoding of information in the nervous system. *Proceedings of the Royal Society B*, *266*, 1001–1012.

Panzeri, S., & Treves, A. (1996). Analytical estimates of limited sampling biases in different information measures. *Network*, *7*, 87–107.

Paradiso, M. A., & Hahn, S. (1996). Filling-in percepts produced by luminance modulation. *Vision Research*, *36*, 2657–2663.

Paradiso, M. A., & Nakayama, K. (1991). Brightness perception and filling-in. *Vision Research*, *31*, 1221–1236.

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

Pascual-Leone, A., Walsh, V., & Rothwell, J. (2000). Transcranial magnetic stimulation in cognitive neuroscience—Virtual lesion, chronometry, and functional connectivity. *Current Opinion in Neurobiology*, *10*, 232–237.

Pasley, B. N., Mayes, L. C., & Schultz, R. T. (2004). Subcortical discrimination of unperceived objects during binocular rivalry. *Neuron*, *42*, 163–172.

Pasupathy, A., & Connor, C. E. (2002a). Population coding of shape in area V4. *Nature Neuroscience*, *5*, 1332–1338.

Pasupathy, A., & Connor, C. E. (2002b). Responses to contour features in macaque area V4. *Journal of Neurophysiology*, *82*, 2490–2502.

Patel, S. S., Öğmen, H., Bedell, H. E., & Sampath, V. (2000). Flash-lag effect: Differential latency, not postdiction. *Science*, *290*, 1051a.

Pavani, F., Boscagli, I., Benvenuti, F., Rabuffetti, M., & Farne, A. (1999). Are perception and action affected differently by the Titchener circles illusion? *Experimental Brain Research*, *127*, 95–101.

Pena, J. L., & Konishi, M. (2001). Auditory spatial receptive fields created by multiplication. *Science*, *292*, 249–252. Comment by L. Helmuth. *Science*, *292*, 185.

Penn, D. L., Corrigan, P. W., Bentall, R. P., Racenstein, J. M., & Newman, L. (1997). Social cognition in schizophrenia. *Psychological Bulletin*, *121*, 114–132.

Perenin, M.-T. (1978). Discrimination of motion direction in perimetrically blind fields. *Neuroreport*, *2*, 397–400.

Perenin, M. T., & Rossetti, Y. (1996). Grasping without form discrimination in a hemianopic field. *Neuroreport*, *7*, 793–797.

Pessoa, L., & De Weerd, P. (2003). *Filling-in*. Oxford, England: Oxford University Press.

Pessoa, L., & Ungerleider, L. G. (2004). Neural correlates of change detection and change blindness in a working memory task. *Cerebral Cortex*, *14*, 511–520.

Petersen, S. E., Miezin, F. M., & Allman, J. M. (1988). Transient and sustained responses in four extrastriate visual areas of the owl monkey. *Experimental Brain Research*, *70*, 55–60.

Petry, S. (1978). Perceptual changes during metacontrast. *Vision Research*, *18*, 1337–1341.

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

Place, E. J., & Gilmore, G. C. (1980). Perceptual organization in schizophrenia. *Journal of Abnormal Psychology*, *89*, 409–418.

Plum, F., & Posner, J. B. (1982). *The diagnosis of stupor and coma.* Oxford: Oxford University Press.

Pockett, S. (2002). On subjective back-referral and how long it takes to become conscious of a stimulus: A reinterpretation of Libet's data. *Consciousness and Cognition*, *11*, 144–161.

Pockett, S. (2004). Hypnosis and the death of "subjective backwards referral." *Consciousness and Cognition*, *13*, 621–625.

Poeppel, E. (1986). Long-range colour-generating interaction across the retina. *Nature*, *320*, 523–525.

Poeppel, E., Held, R., & Frost, D. (1973). Residual visual function after brain wounds involving the central visual pathways in man. *Nature*, *243*, 295–296.

Pollen, D. A. (1999). On the neural correlates of visual perception. *Cerebral Cortex*, *9*, 4–13.

Pollen, D. A. (2004). Brain stimulation and conscious experience. *Consciousness and Cognition*, *13*, 626–645.

Posner, M. I. (1994). Attention: The mechanism of consciousness. *Proceedings of the National Academy of Sciences*, *USA*, *91*, 7398–7403.

Posner, M. I., & Petersen, S. E. (1990). The attention system of the human brain. *Annual Review of Neuroscience*, *13*, 25–42.

Posner, M. I., Walker, J. A., Friedrich, F. J., & Rafal, R. D. (1984). Effects of parietal injury on covert orienting of attention. *Journal of Neuroscience*, *4*, 1863–1874.

Potter, M. C. (1975). Meaning in visual search. *Science*, *187*, 965–966.

Potter, M. C. (1976). Short-term conceptual memory for pictures. *Journal of Experimental Psychology: Human Learning and Memory*, *2*, 509–522.

Potter, M. C. (1982). *Very short-term memory: In one eye and out the other*. Paper presented at the 23rd annual meeting of the Psychonomic Society, Minneapolis, MN.

Potter, M. C. (1984). Rapid serial visual presentation (RSVP): A method for studying language processing. In D. Kieras & M. Just (Eds.), *New methods in reading comprehension research* (pp. 91–118). Hillsdale, NJ: Erlbaum.

Potter, M. C. (1993). Very short-term conceptual memory. *Memory & Cognition*, *21*, 156–161.

Potter, M. C. (1999). Understanding sentences and scenes: The role of conceptual short term memory. In V. Coltheart (Ed.), *Fleeting memories* (pp. 13–46). Cambridge, MA: MIT Press.

Potter, M. C., Chun, M. M., Banks, B. S., & Muckenhoupt, M. (1998). Two attentional deficits in serial target search: The visual attentional blink and an amodal task-switch deficit. *Journal of Experimental Psychology: Learning*, *Memory*, *and Cognition*, *24*, 979–992.

Potter, M. C., Dell'Acqua, R., Pesciarelli, F., Job, R., Peressotti, F., & O'Connor, D. H. (in press). Bidirectional semantic priming in the attentional blink. *Psychonomic Bulletin & Review*.

Potter, M. C., Fox, L. F., & Meyer, C. T. (in preparation a). *Sentence priming and the attentional blink*.

Potter, M. C., Kroll, J. F., & Harris, C. (1980). Comprehension and memory in rapid sequential reading. In R. Nickerson (Ed.), *Attention and performance* (Vol. 8, pp. 395–418). Hillsdale, NJ: Erlbaum.

Potter, M. C., Kroll, J. F., Yachzel, B., Carpenter, E., & Sherman, J. (1986). Pictures in sentences: Understanding without words. *Journal of Experimental Psychology: General*, *115*, 281–294.

Potter, M. C., & Levy, E. I. (1969). Recognition memory for a rapid sequence of pictures. *Journal of Experimental Psychology*, *81*, 10–15.

Potter, M. C., Meyer, C. T., & Fox, L. F. (in preparation b). *Unmasking effects in a high-speed attentional blink procedure.*

Potter, M. C., & O'Connor, D. H. (2000). *Location uncertainty in a two-stream attentional blink.* Unpublished manuscript.

Potter, M. C., Staub, A., & O'Connor, D. H. (2002). The time course of competition for attention: Attention is initially labile. *Journal of Experimental Psychology: Human Perception and Performance*, *28*, 1149–1162.

Pouget, A., Dayan, P., & Zemel, R. S. (2003). Inference and computation with population codes. *Annual Reviews in Neuroscience*, *26*, 381–410.

Pouget, A., Deneve, S., & Duhamel, J. R. (2002). A computational perspective on the neural basis of multisensory spatial representations. *Nature Reviews Neuroscience*, *3*, 741–747.

Pribram, K. H. (1999). The self as me and I. *Consciousness and Cognition*, *8*, 385–386.

Proverbio, A. M., Burco, F., del Zotto, M., & Zani, A. (2004). Blue piglets? Electrophysiological evidence for the primacy of shape over color in object recognition. *Cognitive Brain Research*, *18*, 288–300.

Pugh, M. C., Ringach, D. L., Shapley, R., & Shelley, M. J. (2000). Computational modeling of orientation tuning dynamics in monkey primary visual cortex. *Journal of Computational Neuroscience*, *8*(2), 143–159.

Purpura, K. P., & Schiff, N. D. (1997). The thalamic intralaminar nuclei: A role in visual awareness. *The Neuroscientist*, *3*, 8–15.

Purushothaman, G., Öğmen, H., & Bedell, H. E. (2000). Gamma-range oscillations in backward-masking function and their putative neural correlates. *Psychological Review*, *107*, 556–577.

Purushothaman, G., Patel, S. S., Bedell, H. E., & Öğmen, H. (1998). Moving ahead through differential latency. *Nature*, *396*, 424.

Pylyshyn, Z. W. (2003). *Seeing and visualizing: It's not what you think.* Cambridge, MA: MIT Press.

Rafal, R. D. (1994). Neglect. *Current Opinion in Neurobiology*, *4*, 2312–2316.

Rafal, R. D. (2000). Neglect II: Cognitive neuropsychological issues. In M. J. Farah & T. E. Feinberg (Eds.), *Patient-based approaches to cognitive neuroscience* (pp. 125–141). Cambridge, MA: MIT Press.

Rafal, R., Smith, J., Krantz, J., Cohen, A., & Brennan, C. (1990). Extrageniculate vision in hemianopic humans: Saccade inhibition by signals in the blind field. *Science*, *250*, 118–121.

Raiguel, S. E., Lagae, L., Gulyas, B., & Orban, G. A. (1989). Response latencies of visual cells in macaque areas V1, V2 and V5. *Brain Research*, *493*, 155–159.

Ramachandran, V. S. (1988). Perceiving shape from shading. *Scientific American*, *259*, 76–83.

Ramachandran, V. S., & Cobb, S. (1995). Visual attention modulates metacontrast masking. *Nature*, *373*, 66–68.

Rao, R. P. N. (2004). Bayesian computation in recurrent neural networks. *Neural Computation*, *16*, 1–38.

Rao, R. P. N., Olshausen, B. A., & Lewicki, M. S. (Eds.). (2002). *Probabilistic models of the brain: perception and neural function.* Cambridge, MA: MIT Press.

Rao, S. C., Rainer, G., & Miller, E. K. (1997). Integration of what and where in the primate prefrontal cortex. *Science*, *276*, 821–824.

Raymond, J. E., Shapiro, K. L., & Arnell, K. M. (1992). Temporary suppression of visual processing in an RSVP task: An attentional blink? *Journal of Experimental Psychology: Human Perception and Performance*, *18*, 849–860.

Rees, G., Kreiman, G., & Koch, C. (2001). Neural correlates of consciousness in humans. *Nature Reviews Neuroscience*, *3*, 261–270.

Reeves, A. (1982). Metacontrast U-shaped functions derive from two monotonic functions. *Perception*, *11*, 415–426.

Reeves, A., & Sperling, G. (1986). Attention gating in short-term visual memory. *Psychological Review*, *9*, 180–206.

Rensink, R. A. (2000). Seeing, sensing, and scrutinizing. *Vision Research*, *40*, 1469–1487.

Rensink, R. A. (2002). Change detection. *Annual Review of Psychology*, *53*, 245–277.

Rensink, R. A., O'Regan, J. K., & Clark, J. J. (1997). To see or not to see: The need for attention to perceive changes in scenes. *Psychological Science*, *8*, 368–373.

Reppas, J. B., Niyogi, S., Dale, A. M., Sereno, M. I., & Tootell, B. H. (1997). Representation of motion boundaries in retinotopic human visual cortical areas. *Nature*, *388*, 175–179.

Revonsuo, A., & Kamppinen, M. (Eds.). (1994). *Consciousness in philosophy and cognitive neuroscience*. Hillsdale, NJ: Erlbaum.

Ricci, R., Pia, L., & Gindri, P. (2004). Effects of illusory spatial anisometry in unilateral neglect. *Experimental Brain Research*, *154*, 226–237.

Richards, W. (1973). Visual processing in scotomata. *Experimental Brain Research*, *17*, 333–347.

Ringach, D. L. (1998). Tuning of orientation detectors in human vision. *Vision Research*, *38*, 963–972.

Ringach, D. L., Hawken, M. J., & Shapley, R. (2003). Dynamics of orientation tuning in macaque V1: The role of global and tuned suppression. *Journal of Neurophysiology*, *90*, 342–352.

Ritter, W., Simson, R., Vaughan, H. G., & Friedman, D. (1979). A brain event related to the making of a sensory discrimination. *Science*, *203*, 1358–1361.

Ro, T., Breitmeyer, B., Burton, P., Singhal, N. S., & Lane, D. (2003). Feedback contributions to visual awareness in human occipital cortex. *Current Biology*, *11*, 1038–1041.

Ro, T., Henik, A., Machado, L., & Rafal, R. (1997). Transcranial magnetic stimulation of the prefrontal cortex delays contralateral endogenous saccades. *Journal of Cognitive Neuroscience*, *9*, 433–440.

Ro, T., & Rafal, R. D. (1996). Perception of geometric illusions in hemispatial neglect. *Neuropsychologia*, *34*, 973–978.

Ro, T., Shelton, D., Lee, O. L., & Chang, E. (2004). Extrageniculate mediation of unconscious vision in transcranial magnetic stimulation-induced blindsight. *Proceedings of the National Academy of Sciences, USA*, *101*, 9933–9935.

Ro, T., Singhal, N., Breitmeyer, B., & Garcia, J. (in preparation). *Unconscious processing of color and form.*

Robertson, E. M., Théoret, H., & Pascual-Leone, A. (2003). Studies in cognition: The problems solved and created by transcranial magnetic stimulation. *Journal of Cognitive Neuroscience*, *15*, 948–960.

Robinson, D. L., & McClurkin, J. W. (1989). The visual superior colliculus and pulvinar. *Review of Oculomotor Research*, *3*, 337–360.

Rock, I., & Palmer, S. (1990). The legacy of Gestalt psychology. *Scientific American*, *263*, 48–61.

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

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*, 525–537.

Rogowitz, B. (1983). Spatial/temporal interactions: Backward and forward metacontrast masking with sine-wave gratings. *Vision Research*, *23*, 1057–1073.

Rolls, E. T. (1992). Neurophysiological mechanisms underlying face processing within and beyond the temporal cortical visual areas. *Philosophical Transactions of the Royal Society of London*, *B*, *335*, 11–21.

Rolls, E. T. (1997). Consciousness in neural networks? *Neural Networks*, *10*, 1227–1240.

Rolls, E. T. (1999). *The brain and emotion.* Oxford, England: Oxford University Press.

Rolls, E. T. (2000a). Functions of the primate temporal lobe cortical visual areas in invariant visual object and face recognition. *Neuron*, *27*, 205–218.

Rolls, E. T. (2000b). Précis of *the brain and emotion*. *Behavioral and Brain Sciences*, *23*, 177–233.

Rolls, E. T. (2004). A higher order syntactic thought (HOST) theory of consciousness. In R. J. Gennaro (Ed.), *Higher order theories of consciousness* (pp. 137–172). Amsterdam: John Benjamins.

Rolls, E. T., Aggelopoulos, N. C., Franco, L., & Treves, A. (2004). Information encoding in the inferior temporal cortex: Contributions of the firing rates and correlations between the firing of neurons. *Biological Cybernetics*, *90*, 19–32.

Rolls, E. T., & Deco, G. (2002). *Computational neuroscience of vision.* Oxford, England: Oxford University Press.

Rolls, E. T., Franco, L., Aggelopoulos, N. C., & Reece, S. (2003). An information theoretic approach to the contributions of the firing rates and correlations between the firing of neurons. *Journal of Neurophysiology*, *89*, 2810–2822.

Rolls, E. T., & Tovée, M. J. (1994). Processing speed in the cerebral cortex, and the neurophysiology of visual masking. *Proceedings of the Royal Society of London*, *B*, *257*, 9–15.

Rolls, E. T., & Tovée, M. J. (1995). The sparseness of the neuronal representation of stimuli in the primate temporal visual cortex. *Journal of Neurophysiology*, *73*, 713–726.

Rolls, E. T., Tovée, M. J., & Panzeri, S. (1999). The neurophysiology of backward visual masking: Information analysis. *Journal of Cognitive Neuroscience*, *11*, 335–346.

Rolls, E. T., Tovée, M. J., Purcell, D. G., Stewart, A. L., & Azzopardi, P. (1994). The responses of neurons in the temporal cortex of primates and face identification and detection. *Experimental Brain Research*, *101*, 473–484.

Rolls, E. T., & Treves, A. (1998). *Neural networks and brain function*. Oxford, England: Oxford University Press.

Rolls, E. T., Treves, A., Tovée, M., & Panzeri, S. (1997). Information in the neuronal representation of individual stimuli in the primate temporal visual cortex. *Journal of Computational Neuroscience*, *4*, 309–333.

Rosenthal, D. (1990). A theory of consciousness. *ZIF Report No. 40*, Zentrum für Interdisziplinäre Forschung, Bielefeld, Germany.

Rosenthal, D. M. (1993). Thinking that one thinks. In: M. Davies, & G. W. Humphreys (Eds.), *Consciousness*, 197–223. Oxford: Blackwell.

Rosenthal, D. M. (2002). How many kinds of consciousness? *Consciousness and Cognition*, *11*, 653–665.

Rosenthal, V. (2004). Microgenesis, immediate experience and visual processes in reading. In A. Carsetti (Ed.), *Seeing and thinking* (pp. 221–243) Amsterdam: Kluwer.

Roskies, A. L. (1999). The binding problem. *Neuron*, *24*, 7–9, and associated articles.

Rossi, A. F., Desimone, R., & Ungerleider, L. G. (2001). Contextual modulation in primary visual cortex of macaques. *Journal of Neuroscience*, *21*, 1698–1709.

Rossi, A. F., & Paradiso, M. A. (1996). Temporal limits of brightness induction and mechanisms of brightness perception. *Vision Research*, *36*, 1391–1398.

Rossi, A. F., & Paradiso, M. A. (1999). Neural correlates of perceived brightness in the retina, lateral geniculate nucleus, and striate cortex. *Journal of Neuroscience*, *19*, 6145–6156.

Rushton, D. (1975). Use of the Pulfrich pendulum for detecting abnormal delay in the visual pathway in multiple sclerosis. *Brain*, *98*, 283–296.

Ruz, M., Madrid, E., Lupiáñez, J., & Tudela, P. (2003). High density ERP indices of conscious and unconscious semantic priming. *Cognitive Brain Research*, *17*, 719–731.

Ryle, G. (1949). *The concept of mind*. London: Hutchison Publishing Group.

Saarinen, J., Levi, D. M., & Shen, B. (1997). Integration of local pattern elements into a global shape in human vision. *Proceedings of the National Academy of Sciences, USA*, *94*, 8267–8271.

Saccuzzo, D. S., Cadenhead, M. D., & Braff, D. L. (1996). Backward versus forward visual masking deficits in schizophrenic patients: Centrally, not peripherally, mediated? *American Journal of Psychiatry*, *153*, 1564–1570.

Sagi, D., & Hochstein, S. (1985). Lateral inhibition between spatially adjacent spatial-frequency channels? *Perception & Psychophysics*, *37*, 315–322.

Sagiv, N., & Bentin, S. (2001). Structural encoding of human and schematic faces: Holistic and part-based processes. *Journal of Cognitive Neuroscience*, *13*, 937–951.

Sahani, M., & Dayan, P. (2003). doubly distributional population codes: Simutaneous representation of uncertainty and multiplicity. *Neural Computation*, *15*, 2255–2279.

Salin, P., & Bullier, J. (1995). Corticocortical connections in the visual system: Structure and function, *Physiological Reviews*, *75*, 107–154.

Salinas, E., & Abbott, L. F. (1996). A model of multiplicative neural responses in parietal cortex. *Proceedings of the National Academy of Sciences USA*, *93*, 11956–11961.

Sander, F. (1962). Experimentelle Ergebnisse der Gestaltpsychologie. In F. Sander & H. Volkelt (Eds.), *Ganzgeitspsychologie.* Munich, Germany: Beck. (Reprinted from E. Becher, Ed., *10 Kongress bericht experimentelle Psychologie*, 1928, 23–87. Jena, Germany: Fischer.)

Sanocki, T. (1993). Time course of object identification: Evidence for a global-to-local contingency. *Journal of Experimental Psychology: Human Perception and Performance*, *19*, 878–898.

Sarikaya, M., Wang, W., & Öğmen, H. (1998). Neural network model of on–off units in the fly visual system: Simulations of dynamic behavior. *Biological Cybernetics*, *78*, 399–412.

Saunders, J. A., & Knill, D. C. (2003). Humans use continuous visual feedback from the hand to control fast reaching movements. *Experimental Brain Research*, *152*, 341–352.

Schacter, D. L. (1987). Implicit memory: History and current status. *Journal of Experimental Psychology: Learning*, *Memory*, *and Cognition*, *13*, 501–518.

Schacter, D. L., & Buckner, R. L. (1998). Priming and the brain. *Neuron*, *20*, 185–195.

Schall, J. D., Hanes, D. P., Thompson, K. G., & King, D. J. (1995). Saccade target selection in frontal eye field of macaque: I. Visual and premovement activation. *Journal of Neuroscience*, *15*, 6905–6918.

Scharf, B., & Lefton, L. A. (1970). Backward and forward masking as a function of stimulus and task parameters. *Journal of Experimental Psychology*, *84*, 331–338.

Scharlau, I. (2004). Evidence against response bias in temporal order tasks with attention manipulation by masked primes. *Psychological Research*, *68*, 224–236.

Scharlau, I., & Ansorge, U. (2003). Direct parameter specification of an attention shift: Evidence from perceptual latency priming. *Vision Research*, *43*, 1351–1363.

Scharlau, I., & Neumann, O. (2003). Temporal parameters and time course of perceptual latency priming. *Acta Psychologica*, *113*, 185–203.

Schechter, I., Butler, P. D., Silipo, G., Zemon, V., & Javitt, D. C. (2002). Magnocellular and parvocellular contributions to backward masking dysfunction in schizophrenia. *Schizophrenia Research*, *64*, 91–101.

Scheibel, A. B. (1981). The problem of selective attention: A possible structural substrate. In O. Pompeiano and C. Ajmone (Eds.), *Brain mechanisms and perceptual awareness* (pp. 319–326). New York: Raven.

Schiff, N. D., & Purpura, K. P. (2002). Towards a neurophysiological foundation for cognitive neuromodulation through deep brain stimulation. *Thalamus & Related Systems*, *2*, 55–69.

Schiller, P. H. (1965). Metacontrast interference as determined by a method of comparison. *Perceptual & Motor Skills*, *20*, 279–285.

Schiller, P. H., Finlay, B. L., & Volman, S. F. (1976). Quantative studies of single cell properties in monkey striate cortex. I–V. *Journal of Neurophysiology*, *39*, 1288–1374.

Schiller, P. H., & Smith, M. C. (1966). Detection in metacontrast. *Journal of Experimental Psychology*, *71*, 32–39.

Schlag, J., & Schlag-Rey, M. (2002). Delays and localization errors in the visual system. *Nature Reviews Neuroscience*, *3*, 191–200.

Schlaghecken, F., & Eimer, M. (2001). Partial response activation to masked primes is not dependent on response readiness. *Perceptual Motor Skills*, *92*, 208–222.

Schlaghecken, F., & Eimer, M. (2002). Motor activation with and without inhibition: Evidence for a threshold mechanism in motor control. *Perception & Psychophysics*, *64*, 148–162.

Schmidt, K. E., Goebel, R., Lowel, S., & Singer, W. (1997). The perceptual grouping criterion of colinearity is reflected by anisotropies of connections in the primary visual cortex. *European Journal of Neuroscience*, *9*, 1083–1089.

Schmidt, T. (2002). The finger in flight: Real-time motor control by visually masked color stimuli. *Psychological Science*, *13*, 112–118.

Schmolesky, M. T., Wang, Y., Hanes, D. G., Thompson, K. G., Leutgeb, S., Schall, J. D., & Leventhal, A. G. (1998). Signal timing across the macaque visual system. *Journal of Neurophysiology*, *79*, 3272–3278.

Schuck, J. R., & Lee, R. G. (1989). Backward masking, information-processing, and schizophrenia. *Schizophrenia Bulletin*, *15*, 491–500.

Schürmann, M., Grumbt, M., Heide, W., & Verleger, R. (2003). Effects of same- and different-modality cues in a Posner task: Extinction-type, spatial, and non-spatial deficits after right-hemispheric stroke. *Cognitive Brain Research*, *16*, 348–358.

Schwartz, B. D., McGinn, T., & Winstead, D. K. (1987). Disordered spatiotemporal processing in schizophrenics. *Biological Psychiatry*, *22*, 688–698.

Schwartz, B. D., & Winstead, D. K. (1982). Visual processing deficits in acute and chronic schizophrenics. *Biological Psychiatry*, *17*, 1377–1387.

Schweinberger, S. R., & Stief, V. (2001). Implicit perception in patients with visual neglect: Lexical specificity in repetition priming. *Neuropsychologia*, *39*, 420–429.

Schyns, P. G., & Oliva, A. (1994). From blobs to boundary edges: Evidence for time- and spatial-scale-dependent scene recognition. *Psychological Science*, *5*, 195–200.

Schyns, P. G., & Oliva, A. (1999). Dr. Angry & Mr. Smile: When categorization flexibly modifies the perception of faces in rapid visual presentations. *Cognition*, *69*, 243–265.

Searle, J. (1992). *The rediscovery of mind*. Cambridge, MA: MIT Press.

Searle, J. (2000). Consciousness. *Annual Review of Neuroscience*, *23*, 557–578.

Seiffert, A. E., & Di Lollo, V. (1997). Low-level masking in the attentional blink. *Journal of Experimental Psychology: Human Perception and Performance*, *23*, 1061–1073.

Selemon, L. D., Rajkowska, G., & Goldman-Rakic, P. S. (1998). Elevated neuronal density in prefrontal area 46 in brains from schizophrenic patients: Application of three-dimensional, stereologic counting method. *Journal of Comparative Neurology*, *392*, 402–412.

Sengpiel, F., Sen, A., & Blakemore, C. (1997). Characteristics of surround inhibition in cat area 17. *Experimental Brain Research*, *116*, 216–238.

Sergent, C., & Dehaene, S. (2004). Is consciousness a gradual phenomenon? Evidence for an all-or-none bifurcation during the attentional blink. *Psychological Science*, *15*, 720–728.

Sergi, M. J., & Green, M. F. (2003). Social perception and early visual processing in schizophrenia. *Schizophrenia Research*, *59*, 233–241.

Shannon, C. E. (1948). A mathematical theory of communication. *AT&T Bell Laboratories Technical Journal*, *27*, 379–423.

Shapiro, K. (2001). *The limits of attention: Temporal constraints on human information processing.* Oxford, England: Oxford University Press.

Shapiro, K., Driver, J., Ward, R., & Sorensen, R. E. (1997). Priming from the attentional blink: A failure to extract visual tokens but not visual types. *Psychological Science*, *8*, 95–100.

Sheinberg, D. L., & Logothetis, N. K. (1997). The role of temporal cortical areas in perceptual organization. *Proceedings of the National Academy of Sciences, USA*, *94*, 3408–3413.

Sherman, S. M., & Guillery, R. W. (1996). Functional organization of thalamocortical relays. *Journal of Neurophysiology*, *76*, 1367–1395.

Shih, S. (2000). Recall of two visual targets embedded in RSVP streams of distractors depends on their temporal and spatial relationship. *Perception & Psychophysics*, *62*, 1348–1355.

Silverstein, S. M., Knight, R. A., Schwarzkopf, S. B., West, L. L., Osborn, L. M., & Kamin, D. (1996). Stimulus configuration and context effects in perceptual organization in schizophrenia. *Journal of Abnormal Psychology*, *105*, 410–420.

Sincich, L. C., & Horton, J. C. (2002). Divided by cytochrome oxidase: A map of the projections from V1 to V2 in macaques. *Science*, *295*, 1734–1737.

Singer, W. (1994). Putative functions of temporal correlations in neocortical processing. In C. Koch & J. L. Davis (Eds.), *Large-scale neuronal theories of the brain* (pp. 201–237). Cambridge, MA: MIT Press.

Singer, W. (1999). Neuronal synchrony: A versatile code for the definition of relations? *Neuron*, *24*, 49–65.

Singer, W. (2000). Response synchronization: A universal coding strategy for the definition of relations. In M. Ganzzaniga (Ed.), *The new cognitive neurosciences* (2nd ed., pp. 325–338). Cambridge, MA: MIT Press.

Slaghuis, W. L., & Bakker, V. J. (1995). Forward and backward visual masking of contour by light in positive- and negative-symptom schizophrenia. *Journal of Abnormal Psychology*, *104*, 41–54.

Slaghuis, W. L., & Bishop, A. M. (2001). Luminance flicker sensitivity in positive- and negative-symptom schizophrenia. *Experimental Brain Research*, *138*, 88–99.

Slaghuis, W. L., & Curran, C. E. (1999). Spatial frequency masking in positive- and negative-symptom schizophrenia. *Journal of Abnormal Psychology*, *108*, 42–50.

Solso, R. L. (2003). *The psychology of art and the evolution of the conscious brain*. Cambridge, MA: MIT Press.

Somers, D. C., Dale, A. M., Seiffert, A. E., & Tootell, R. B. H. (1999). Functional MRI reveals spatially specific attentional modulation in human primary visual cortex. *Proceedings of the National Academy of Sciences*, *USA, 96*, 1663–1668.

Spencer, K. M., Nestor, P. G., Niznikiewicz, M. A., Salisbury, D. F., Shenton, M. E., & McCarley, R. W. (2003). Abnormal neural synchrony in schizophrenia. *The Journal of Neuroscience*, *23*, 7407–7411.

Spencer, T. J., & Shuntich, R. (1970). Evidence for an interruption theory of backward masking. *Journal of Experimental Psychology*, *85*, 198–203.

Sperry, R. (1969). A modified concept of consciousness. *Psychological Review*, *76*, 532–536.

Sperry, R. (1970). An objective approach to subjective experience. *Psychological Review*, *77*, 585–590.

Spillmann, L. (1971). Foveal perceptive fields in the human visual system measured with simultaneous contrast in grids and bars. *Pfluegers Archiv der gesamten Physiologie*, *326*, 281–299.

Seriade, M. (2000). Corticothalamic resonance, states of vigilance and mentation. *Neuroscience*, *101*, 243–276.

Steriade, M., & McCarley, R. (1990). *Brainstem control of wakefulness and sleep*. New York: Plenum.

Sternberg, S. (1969). The discovery of processing stages: Extensions of Donders' method. In W. G. Koster (Ed.), *Attention and performance II* (pp. 276–315). Amsterdam: North-Holland.

Sternberg, S., & Knoll, R. L. (1973). The perception of temporal order: Fundamental issues and a general model. In S. Kornblum (Ed.), *Attention and performance* (Vol. 4, pp. 629–686). New York: Academic Press.

Stewart, A. L., & Purcell D. G. (1970). U-shaped masking functions in visual backward masking: Effects of target configuration and retinal position. *Perception & Psychophysics*, *7*, 253–256.

Stewart, A. L., & Purcell, D. G. (1974). Visual backward masking by a flash of light: A study of U-shaped detection functions. *Journal of Experimental Psychology*, *103*, 553–566.

Stigler, R. (1910). Chronophotische Studien über den Umgebungskontrast. *Pflügers Archiv der Gesamten Physiologie*, *135*, 365–435.

Stigler, R. (1926). Die Untersuchung des zeitlichen Verlaufes des optischen Erregung mittels des Metakontrastes. In E. Aberhalden (Ed.), *Handbuch des Biologischen Arbeitsmethoden* (Pt. 6, Whole No. 6, pp. 949–968). Berlin, Germany: Urban & Schwarzenberg.

Stober, R. S., Brussel, E. M., & Komoda, M. K. (1978). Differential effects of metacontrast on target brightness and clarity. *Bulletin of the Psychonomic Society*, *12*, 433–436.

Stoerig, P. (1996). Varieties of vision: From blind responses to conscious recognition. *Trends in Neurosciences*, *19*, 401–406.

Stoerig, P. (1997). There is no single correlate of conscious vision. *Journal of NIH Research*, *9*, 37–41.

Stoerig, P. (2002). Neural correlates of consciousness as state and trait. In L. Nadel (Ed.), *Encyclopedia of cognitive neuroscience* (pp. 233–240). London: Macmillan.

Stoerig, P., & Brandt, S. (1993). The visual system and levels of perception: Properties of neuromental organization. *Theoretical Medicine*, *14*, 117–135.

Stoerig, P., & Cowey, A. (1989). Wavelength sensitivity in blindsight. *Nature*, *342*, 916–918.

Stoerig, P., & Cowey, A. (1992). Wavelength discrimination in blindsight. *Brain*, *115*, 425–444.

Stoerig, P., & Cowey, A. (1997). Blindsight in man and monkey. *Brain*, *120*, 535–559.

Stoerig, P., Hubner, M., & Poeppel, E. (1985). Signal detection analysis of residual vision in a field defect due to post-geniculate lesion. *Neuropsychologia*, *23*, 589–599.

Stoffer, T. H. (1993). The time course of attentional zooming: A comparison of voluntary and involuntary allocation of attention to the levels of compound stimuli. *Psychological Research/Psychologische Forschung*, *56*, 14–25.

Stoper, A. E., & Mansfield, J. G. (1978). Metacontrast and paracontrast suppression of a contourless area. *Vision Research*, *18*, 1669–1674.

Sugase, Y., Yamane, S., Ueno, S., & Kawano, K. (1999). Global and fine information coded by single neurons in the temporal visual cortex. *Nature*, *400*, 869–873.

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*, 304–310.

Supèr, H., Spekreijse, H., & Lamme, V. A. F. (2003). Figure–ground activity in primary visual cortex (V1) of the monkey matches the speed of behavioral response. *Neuroscience Letters*, *344*, 75–78.

Tallon-Baudry, C., & Bertrand, O. (1999). Oscillatory gamma activity in humans and its role in object representation. *Trends in Cognitive Sciences*, *3*, 151–162.

Tallon-Baudry, C., Bertrand, O., Delpuech, C., & Pernier, J. (1996). Stimulus specificity of phase-locked and non-phase-locked 40 Hz visual responses in humans. *Journal of Neuroscience*, *16*, 4240–4249.

Tallon-Baudry, C., Kreiter, A., & Bertrand, O. (1999). Sustained and transient oscillatory responses in the gamma and beta bands in a visual short-term memory task in humans. *Visual Neuroscience*, *16*, 449–459.

Tata, M. S. (2002). Attend to it now or lose it forever: Selective attention, metacontrast masking and object substitution. *Perception & Psychophysics*, *64*, 1028–1038.

Taylor, J. L., & McCloskey, D. I. (1990). Triggering of preprogrammed movements as reactions to masked stimuli. *Journal of Neurophysiology*, *63*, 439–446.

Teller, D. Y. (1984). Linking propositions. *Vision Research*, *24*, 1233–1246.

Theeuwes, J., Kramer, A. F., Hahn, S., & Irwin, D. E. (1998). Our eyes do not always go where we want them to go: Capture of the eyes by new objects. *Psychological Science*, *9*, 379–385.

Thompson, K. G., & Schall, J. D. (2000). Antecedents and correlates of visual detection and awareness in macaque prefrontal cortex. *Vision Research*, *40*, 1523–1538.

Thompson-Schill, S. L., & Gabrieli, J. D. E. (1999). Priming of visual and functional knowledge on a semantic classification task. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *25*, 41–53.

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

Tolhurst, D. J., & Lewis, P. R. (1992). Effect of myelination on the conduction velocity of optic nerve fibres. *Ophthalmic and Physiological Optics*, *12*, 241–243.

Tong, F. (2001). Competing theories of binocular rivalry: A possible resolution. *Brain and Mind*, *2*, 55–83.

Tong, F. (2003). Primary visual cortex and visual awareness. *Nature Reviews Neuroscience*, *4*, 219–229.

Tong, F., & Engel, S. A. (2001). Interocular rivalry revealed in the human blind-spot representation. *Nature*, *411*, 195–199.

Tong, F., Nakayama, K., Moscovitch, M., Weinrib, O., & Kanwisher, N. (2000). Response properties of the human fusiform face area. *Cognitive Neuropsychology*, *17*, 257–279.

Tootell, R. B., Dale, A. M., Sereno, M. I., & Malach, R. (1996). New images from human visual cortex. *Trends in Neuroscience*, *19*, 481–489.

Tootell, R. B., Tsao, D., & Vanduffel, W. (2003). Neuroimaging weighs in: Humans meet macaques in "primate" visual cortex. *Journal of Neuroscience*, *23*, 3981–3989.

Toth, J. P. (2000). Nonconscious forms of human memory. In E. Tulving & F. I. Craik (Eds.), *The Oxford handbook of memory* (pp. 245–265). Oxford, England: Oxford University Press.

Tovée, M. J., & Rolls, E. T. (1995). Information encoding in short firing rate epochs by single neurons in the primate temporal visual cortex. *Visual Cognition*, *2*, 35–58.

Tovée, M. J., Rolls, E. T., Treves, A., & Bellis, R. P. (1993). Information encoding and the responses of single neurons in the primate temporal visual cortex. *Journal of Neurophysiology*, *70*, 640–654.

Townsend, J. T. (1990). Serial vs. parallel processing: Sometimes they look like Tweedledum and Tweedledee but they can (and should) be distinguished. *Psychological Science*, *1*, 46–54.

Traub, R. D., Whittington, M. A., Stanford, I. M., & Jeffreys, J. G. R. (1996). A mechanism for generation of long-range synchronous fast oscillations in the cortex. *Nature*, *383*, 621–624.

Treisman, A. (1988). Features and objects: The Fourteenth Bartlett Memorial Lecture. *Quarterly Journal of Experimental Psychology*, *40*, *A*, 201–237.

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

Treue, S., & Martinez Trujillo, J. C. (1999). Feature-based attention influences motion processing gain in macaque visual cortex. *Nature*, *399*, 575–579.

Treves, A. (1993). Mean-field analysis of neuronal spike dynamics. *Network*, *4*, 259–284.

Treves, A., Panzeri, S., Rolls, E. T., Booth, M., & Wakeman, E. A. (1999). Firing rate distributions and efficiency of information transmission of inferior temporal cortex neurons to natural visual stimuli. *Neural Computation*, *11*, 611–641.

Trevethan, C. T., & Sahraie, A. (2003). Spatial and temporal processing in a subject with cortical blindness following occipital surgery. *Neuropsychologia*, *41*, 1296–1306.

Tsunoda, K., Yamane, Y., Nishizaki, M., & Tanifuji, M. (2001). Complex objects are represented in macaque inferotemporal cortex by the combination of feature columns. *Nature Neuroscience*, *4*, 832–838.

Tucker, M., & Ellis, R. (1998). On the relations between seen objects and components of potential actions. *Journal of Experimental Psychology: Human Perception and Performance*, *24*, 830–846.

Tucker, M., & Ellis, R. (2004). Action priming by briefly presented objects. *Acta Psychologica*, *116*, 185–203.

Tulving, E., & Schacter, D. L. (1990). Priming and human memory systems. *Science*, *247*, 301–306.

Turvey, M. T. (1973). On peripheral and central processes in vision: Inferences from an information-processing analysis of masking with patterned stimuli. *Psychological Review*, 80, 1–52.

Ullman, S. (2000). *High-level vision: Object recognition and visual cognition.* Cambridge, MA: MIT Press.

Undeutsch, U. (1942). Die Aktualgenese in ihrer Allgemein-Philosophischen und ihrer characterologischen Bedeutung. *Scientia*, *72*, 37–42, 95–98.

Ungerleider, L. G. (1985). The corticocortical pathways for object recognition and spatial perception. In C. Chagas, R. Gattas, & C. Gross (Eds.), *Pattern recognition mechanisms* (pp. 21–37). Vatican City: Pontifical Academy of Sciences.

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: MIT Press.

Valdes-Sosa, M., Bobes, M. A., Rodriguez, V., & Pinilla, T. (1998). Switching attention without shifting the spotlight: Object-based attentional modulation of brain potentials. *Journal of Cognitive Neuroscience*, *10*, 137–151.

Vallar, G. (1993). The anatomical basis of spatial neglect in humans. In I. H. Robertson & J. C. Marshall (Eds.), *Unilateral neglect: Clinical and experimental studies* (pp. 27–62). Hillsdale, NJ: Erlbaum.

Vallar, G. (1998). Spatial hemineglect in humans. *Trends in Cognitive Science*, *2*, 87–97.

Vallar, G., Daini, R., & Antonucci, G. (2000). Processing of illusion of length in spatial hemineglect: A study of line bisection. *Neuropsychologia*, *38*, 1087–1097.

van Beers, R. J., Wolpert, D. M., & Haggard, P. (2001). Sensorimotor integration compensates for visual localization errors during smooth pursuit eye movements. *Journal of Neurophysiology*, *85*, 1914–1922.

Van Essen, D. C., Anderson, C. H., & Felleman, D. J. (1992). Information processing in the primate visual system: An integrated systems perspective. *Science*, *255*, 419–423.

Van Essen, D. C., Lewis, J. W., Drury, H. A., Hadjikhani, N., Tootell, R. B., Bakircioglu, M., & Miller, M. I. (2001). Mapping visual cortex in monkeys and humans using surface-based atlases. *Vision Research*, *41*, 1359–1378.

VanRullen, R., Guyonneau, R., & Thorpe, S. J. (2005). Spike times make sense. *Trends in Neuroscience*, *28*, 1–4.

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

VanRullen, R., & Koch, C. (2003b). Is perception discrete or continuous? *Trends in Cognitive Sciences*, *7*, 207–213.

VanRullen, R., & Koch, C. (2003c). Competition and selection during visual processing of natural scenes and objects. *Journal of Vision*, *3*, 75–85.

Van Voorhis, S. T., & Hillyard, S. A. (1977). Visual evoked potentials and selective attention to points in space. *Perception & Psychophysics*, *22*, 54–62.

Verleger, R. (1997). On the utility of P3 latency as an index of mental chronometry. *Psychophysiology*, *34*, 131–156.

Verleger, R. (1998). Towards an integration of P3 research with cognitive neuroscience. [Author's response on continuing commentary.] *Behavioral and Brain Sciences*, *21*, 150–154.

Verleger, R., Heide, W., Butt, C., Wascher, E., & Kömpf, D. (1996). Online brain potential correlates of right parietal patients' attentional deficit. *Electroencephalography and Clinical Neurophysiology*, *99*, 444–457.

Verleger, R., Heide, W., & Kömpf, D. (2002). Effects of stimulus-induced saccades on manual response times in healthy elderly and in patients with right-parietal lesions. *Experimental Brain Research*, *144*, 17–29.

Verleger, R., Jaskowski, P., Aydemir, A., van der Lubbe, R. H. J., & Groen, M. (2004). Qualitative differences between conscious and non-conscious processing? On inverse priming induced by masked arrows. *Journal of Experimental Psychology: General*, *133*, 494–515.

Visser, T. A. W., Bischoff, W. F., & DiLollo, V. (1999). Attentional switching in spatial and non-spatial domains: Evidence from the attentional blink. *Psychological Bulletin*, *125*, 458–469.

Viviani, P., & Aymoz, C. (2001). Colour, form and movement are not perceived simultaneously. *Vision Research*, *41*, 2909–2918.

Vogel, E. K., & Luck, S. J. (2000). The visual N1 component as an index of a discrimination process. *Psychophysiology*, *37*, 190–123.

Vogel, E. K., Luck, S. J., & Shapiro K. L. (1998). Electrophysiological evidence for a postperceptual locus of suppression during the attentional blink. *Journal of Experimental Psychology: Human Perception and Performance*, *24*, 1656–1674.

Vogeley, K., Kurthen, M., Falkai, P., & Maier, W. (1999). Essential functions of the human self model are implemented in the prefrontal cortex. *Consciousness and Cognition*, *8*, 343–363.

Vogels, R., & Orban, G. A. (1994). Activity of inferior temporal neurons during orientation discrimination with successively presented gratings. *Journal of Neurophysiology*, *71*, 1428–1451.

von der Heydt, E. P., Peterhans, E., & Duersteler, M. R. (1992). Periodic-pattern-selective cells in monkey visual cortex. *Journal of Neuroscience*, *12*, 1416–1434.

von Holst, E., & Mittelstädt, H. (1950). Das reafferenzprinzip: Wechselwirkungen zwischen Zentralnervensystem und Peripherie. *Naturwissenschaften*, *37*, 464–476.

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, USA*, *100*, 6275–6280.

Vorberg, D., Mattler, U., Heinecke, A., Schmidt, T., & Schwarzbach, J. (2004). Invariant time-course of priming with and without awareness. In C. Kaernbach, E. Schröger, & H. Müller (Eds.), *Psychophysics beyond sensation: Laws and invariants of human cognition* (pp. 271–288). Mahwah, NJ: Erlbaum.

Vuilleumier, P. O., & Rafal, R. D. (2000). A systematic study of visual extinction: Between- and within-field deficits of attention in hemispatial neglect. *Brain*, *123*, 1263–1279.

Vuilleumier, P., Schwartz, S., Clarke, K., Husain, M., & Driver, J. (2002b). Testing memory for unseen visual stimuli in patients with extinction and spatial neglect. *Journal of Cognitive Neuroscience*, *14*, 875–886.

Wachtler, T., Sejnowski, T. J., & Albright, T. D. (2003). Representation of color stimuli in awake macaque primary visual cortex. *Neuron*, *37*, 681–691.

Walker, G. A., Ohzawa, R. D., & Freeman, R. (1999). Asymmetric suppression outside the classical receptive field of the visual cortex. *Journal Neuroscience*, *19*, 10536–10553.

Walker, R., Mannan, S., Maurer, D., Pambakian, A. L., & Kennard, C. (2000). The oculomotor distractor effect in normal and hemianopic vision. *Proceedings of the Royal Society of London, B*, *267*, 431–438.

Wallis, G., & Rolls, E. T. (1997). Invariant face and object recognition in the visual system. *Progress in Neurobiology*, *51*, 167–194.

Walsh, V., & Cowey, A. (2000). Transcranial magnetic stimulation and cognitive neuroscience. *Nature Reviews Neuroscience*, *1*, 73–79.

Wapner, S., & Kaplan, B. (Eds.). (1983). *Toward a holistic developmental psychology.* Hillsdale, NJ: Erlbaum.

Ward, L. M. (2003). Synchronous neural oscillations and cognitive processes. *Trends in Cognitive Sciences*, *7*, 553–559.

Wascher, E., Schatz, U., Kuder, T., & Verleger, R. (2001). Validity and boundary conditions of automatic response activation in the Simon task. *Journal of Experimental Psychology: Human Perception and Performance*, *27*, 731–751.

Wauschkuhn, B., Verleger, R., Wascher, E., Klostermann, W., Burk, M., Heide, W., & Kömpf, D. (1998). Lateralised human cortical activity for shifting visuospatial attention and initiating saccades. *Journal of Neurophysiology*, *80*, 2900–2910.

Wehrhahn, C., Li, W., & Westheimer, G. (1996). Patterns that impair discrimination of orientation in human vision. *Perception*, *25*, 1053–1064.

Weichselgartner, E., & Sperling, G. (1987). Dynamics of automatic and controlled visual attention. *Science*, *238*, 778–780.

Weiskrantz, L. (1996). Blindsight revisited. *Current Opinion in Neurobiology*, *6*, 215–220.

Weiskrantz, L. (1997). *Consciousness lost and found*. Oxford, England: Oxford University Press.

Weiskrantz, L. (1998). *Blindsight: A case study and implications* (2nd ed.). Oxford, England: Oxford University Press.

Weiskrantz, L. (2001). Blindsight—Putting beta (β) on the back burner. In B. de Gelder, E. De Haan, & C. Heywood (Eds.), *Out of mind: Varieties of unconscious processes* (pp. 20–31). Oxford, England: Oxford University Press.

Weiskrantz, L., Rao, A., Hodinott-Hill, I., & Cowey, A. (2003). Brain potentials associated with conscious aftereffects induced by unseen stimuli in a blindsight subject. *Proceedings of the National Academy of Sciences, USA*, *100*, 10500–10505.

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

Weisstein, N. (1968). A Rashevsky–Landahl neural net: Simulation of metacontrast. *Psychological Review*, *75*, 494–521.

Weisstein, N. (1972). Metacontrast. In D. Jameson & L. Hurvich (Eds.), *Handbook of sensory physiology: Vol. 7. Visual psychophysics* (pp. 233–272). Berlin, Germany: Springer-Verlag.

Weisstein, N., & Growney, R. L. (1969). Apparent movement and metacontrast: A note on Kahneman's formulation. *Perception & Psychophysics*, *5*, 321–328.

Weisstein, N., Ozog, G., & Szoc, R. (1975). A comparison and elaboration of two models of metacontrast. *Psychological Review*, *82*, 325–343.

Werner, H. (1935). Studies on contour: I. Qualitative analyses. *American Jorunal of Psychology*, *47*, 40–64.

Werner, H. (1940). *Comparative psychology of mental development.* New York: Harper.

Werner, H. (1956). Microgenesis and aphasia. *Journal of Abnormal and Social Psychology*, *52*, 347–353.

Westwood, D. A., & Goodale, M. A. (2003). Perceptual illusion and the real-time control of action. *Spatial Vision*, *16*, 243–254.

Whalen, P. J., Rauch, S. L., Etcoff, N. L., McInerney, S. C., Lee, M. B., & Jenike, M. A. (1998). Masked presentations of emotional facial expressions modulate amygdala activity without explicit knowledge. *Journal of Neuroscience*, *18*, 411–418.

Whitney, D. (2002). The influence of visual motion on spatial position. *Trends in Cognitive Sciences*, *6*, 211–216.

Whitney, D., & Cavanagh, P. (2000). The position of moving objects. *Science*, *289*, 1107.

Whitney, D., Murakami, I., & Cavanagh, P. (2000). Illusory spatial offset of a flash relative to a moving stimulus is caused by differential latencies for moving and flashed stimuli. *Vision Research*, *40*, 137–149.

Whittington, M. A., Traub, R. D., & Jeffreys, J. (1995). Synchronized oscillations in interneuron networks driven by metabotropic glutamate receptor activation. *Nature*, *373*, 612–615.

Wiesenfelder, H., & Blake, R. (1991). Apparent motion can survive binocular rivalry suppression. *Vision Research*, *31*, 1589–1599.

Wiggs, C. L., & Martin, A. (1998). Properties and mechanisms of perceptual priming. *Current Opinion in Neurobiology*, *8*, 227–233.

Wilbrand, H., & Saenger, A. (1900). *Die Neurologie des Auges* (Vol. 3). Wiesbaden, Germany: J. F. Bergmann.

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

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

Williams, C., Azzopardi, P., & Cowey, A. (1995). Nasal and temporal retinal ganglion cells projecting to the midbrain: Implications for "blindsight." *Neuroscience*, *65*, 577–586.

Williams, J. M., & Lit, A. (1983). Luminance-dependent visual latency for the Hess effect, the Pulfrich effect, and simple reaction time. *Vision Research*, *23*, 171–179.

Williams, M. A., Morris, A. P., McGlone, F., Abbott, D. F., & Mattingley, J. B. (2004). Amygdala responses to fearful and happy facial expressions under conditions of binocular suppression. *Journal of Neuroscience*, *24*, 2898–2904.

Williams, P., & Tarr, M. J. (1999). Orientation-specific possibility priming for novel three-dimensional objects. *Perception & Psychophysics*, *61*, 963–976.

Wilson, A. E., & Johnson R. M. (1985). Transposition in backward masking: The case of travelling gap. *Vision Research*, *25*, 283–288.

Wilson, H. R., Blake, R., & Lee, S.-H. (2001). Dynamics of travelling waves in visual perception. *Nature*, *412*, 907–910.

Wolbers, T., Kraft, S., Schoell, E., Jaskowski, P., Büchel, C., & Verleger, R. (2004, June). *Where the brain controls its automatic pilot.* Poster presented at the 10th annual meeting of the Organisation for Human Brain Mapping, Budapest.

Woldorff, M. G., Gallen, C. C., Hampson, S. A., Hillyard, S. A., Pantev, C., Sobel, D., & Bloom, F. E. (1993). Modulation of early sensory processing in human auditory cortex during auditory selective attention. *Proceedings of the National Academy of Sciences, USA*, *90*, 8722–8726.

Woldorff, M. G., Liotti, M., Seabolt, M., Busse, L., Lancaster, J. L., & Fox, P. T. (2002). The temporal dynamics of the effects in occipital cortex of visual–spatial selective attention. *Cognitive Brain Research*, *15*, 1–15.

Wolfe, J. M., O'Neill, P., & Bennett, S. C. (1998). Why are there eccentricity effects in visual search? Visual and attentional hypotheses. *Perception & Psychophysics*, *60*, 140–156.

Wolff, P. (1997, December). *Einfluß der Alternativenzahl auf den Kongruenz-Inkongruenz-Effekt*. Paper presented at the Motorische Effekte nicht bewußt repräsentierter Reize, Bielefeld, Germany.

Wong, P. S., & Root, J. C. (2003). Dynamic variations in affective priming. *Consciousness and Cognition*, *12*, 147–168.

Woodman, G. F., & Luck, S. J. (1999). Electrophysiological measurement of rapid shifts of attention during visual search. *Nature*, *400*, 867–869.

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

Woodman, G. F., & Luck, S. J. (2003b). Serial deployment of attention during visual search. *Journal of Experimental Psychology: Human Perception and Performance*, *29*, 121–138.

Xiao, Y., Wnag, Y., & Fellemen, D. J. (2003). A spatially organized representation of colour in macaque cortical area V2. *Nature*, *421*, 535–539.

Yabuta, N. H., & Callaway, E. M. (1998). Functional streams and local connections of layer 4C neurons in primary visual cortex of the macaque monkey. *Journal of Neuroscience*, *18*, 9489–9499.

Yamada, T., Kameyama, S., Fuchigami, Y., Nakazumi, Y., Dickins, Q. S., & Kimura, J. (1988). Changes of short latency somatosensory evoked potential in sleep. *Electroencpalography & Clinical Neurophysiology*, *70*, 126–136.

Yarrow, K., Haggard, P., Heal, R., Brown, P., & Rothwell, J. C. (2001). Illusory perceptions of space and time preserve cross-saccadic perceptual continuity. *Nature*, *414*, 302–305.

Yi, D.-J., Woodman, G. F., Widders, D., Marois, R., & Chun, M. M. (2004). Neural fate of ignored stimuli: Dissociable effects of perceptual and working memory load. *Nature Neuroscience*, *7*, 992–996.

Young, M. P. (1992). Objective analysis of the topological organization of the primate cortical visual system. *Nature*, *358*, 152–154.

Yuille, A. L., & Bülthoff, H. H. (1996). Bayesian decision theory and psychophysics. In D. C. Knill & W. Richards (Eds.), *Perception as Bayesian inference* (pp. 123–161). Cambridge, England: Cambridge University Press.

Zeki, S. (1991). Cerebral akinetopsia (visual motion blindness). *Brain*, *114*, 811–824.

Zeki, S. (1993). *A vision of the brain*. Oxford, England: Blackwell.

Zeki, S. (1997). The color and motion systems as guides to conscious visual perception. In K. S. Rockland, J. H. Kaas, & A. Peters (Eds.), *Cerebral cortex* (Vol. 12, pp. 777–809). New York: Plenum Press.

Zeki, S. (1998). Parallel processing, asynchronous perception, and a distributed system of consciousness in vision. *The Neuroscientist*, *4*, 365–372.

Zeki, S. (1999). *Inner vision*. Oxford, England: Oxford University Press.

Zeki, S., & Bartels, A. (1999). Toward a theory of visual consciousness. *Consciousness and Cognition*, *8*, 225–259.

Zeki, S., & Marini, L. (1998). Three cortical stages of colour processing in the human brain. *Brain*, *121*, 1669–1685.

Zeki, S., & Moutoussis, K. (1997). Temporal hierarchy of the visual perceptive systems in the Mondrian world. *Proceedings of the Royal Society of London*, *B*, *264*, 1415–1419.

Zeki, S., & Shipp, S. (1988). The functional logic of cortical connections. *Nature*, *335*, 311–317.

Zhaoping, L. (2003). V1 mechanisms and some figure–ground and border effects. *Journal of Physiology*, *Paris*, *97*, 503–515.

Zhou, H., Friedman, H. S., & von der Heydt, R. (2000). Coding of border ownership in monkey visual cortex. *Journal of Neuroscience*, *20*, 6594–6611.

Zihl, J., von Cramon, D., & Mai, N. (1983). Selective disturbance of movement vision after bilateral brain damage. *Brain*, *106*, 313–340.

Zimba, L., & Blake, R. (1983). Binocular rivalry and semantic processing: Out of sight, out of mind. *Journal of Experimental Psychology: Human Perception and Performance*, *9*, 807–815.

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