

PS3060: Consciousness and Cognition

[View Online](#)

[1]

D. Dennett, 'The Illusion of Consciousness'. 2007 [Online]. Available:
<https://www.youtube.com/watch?v=fjbWr3ODbAo>

[2]

J. L. Bradshaw and J. B. Mattingley, 'Clinical Neuropsychology: Behavioral and Brain Science', in Clinical Neuropsychology: Behavioral and Brain Science, San Diego: Academic Press, 1995.

[3]

D. Dennett, 'Consciousness: More like Fame than Television', 1996. [Online]. Available:
<http://pp.kpnet.fi/seirioa/cdenn/concfame.htm>

[4]

A. Berti and G. Bottini, 'Shared Cortical Anatomy for Motor Awareness and Motor Control', Science, vol. 309, no. 5733, pp. 488–491, 2005 [Online]. Available:
<http://www.jstor.org/stable/3842242>

[5]

D. C. Dennett, Consciousness Explained. London: Allen Lane, 1991.

[6]

D. Dennett, 'Filling in Versus Finding Out: A Ubiquitous Confusion in Cognitive Science', in *Cognition: conceptual and methodological issues*, Washington, DC: American Psychological Association, 1992.

[7]

P. S. Churchland and V. S. Ramachandran, 'Filling In: Why Dennett Is Wrong', in *Perception*, New York: Oxford University Press, 1996.

[8]

P. S. Churchland and V. S. Ramachandran, 'Filling In: Why Dennett Is Wrong', in *Perception*, vol. Vancouver studies in cognitive science, New York: Oxford University Press, 1996
[Online]. Available:
<http://ezproxy01.rhul.ac.uk/login?url=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780195359169>

[9]

P. W. Halligan, 'Completion in Visuo-Spatial Neglect: A Case Study', *Neurocase*, vol. 3, no. 5, pp. 395–403, 1997, doi: 10.1093/neucas/3.5.395-j.

[10]

R. McKay et al., 'Vestibular Stimulation Attenuates Unrealistic Optimism', *Cortex*, vol. 49, no. 8, pp. 2272–2275, 2013, doi: 10.1016/j.cortex.2013.04.005.

[11]

V. S. Ramachandran, 'Anosognosia in Parietal Lobe Syndrome', *Consciousness and Cognition*, vol. 4, no. 1, pp. 22–51, 1995, doi: 10.1006/ccog.1995.1002.

[12]

G. Rode, N. Charles, M. T. Perenin, A. Vighetto, M. Trillet, and G. Aimard, 'Partial Remission of Hemiplegia and Somatoparaphrenia Through Vestibular Stimulation in a Case of Unilateral Neglect', *Cortex*, vol. 28, no. 2, pp. 203–208, 1992, doi: 10.1016/S0010-9452(13)80048-2.

[13]

R. Walker and J. B. Mattingley, 'Ghosts in the Machine? Pathological Visual Completion Phenomena in the Damaged Brain', *Neurocase*, vol. 3, no. 5, pp. 313–335, 1997, doi: 10.1080/13554799708411972.

[14]

R. Walker and A. W. Young, 'Object-Based Neglect: An Investigation of the Contributions of Eye Movements and Perceptual Completion', *Cortex*, vol. 32, no. 2, pp. 279–295, 1996 [Online]. Available: <http://www.sciencedirect.com/science/article/pii/S0010945296800517>

[15]

R. S. Weil, G. T. Plant, M. James-Galton, and G. Rees, 'Neural Correlates of Hemianopic Completion Across the Vertical Meridian', *Neuropsychologia*, vol. 47, no. 2, pp. 457–464, 2009, doi: 10.1016/j.neuropsychologia.2008.09.020.

[16]

A. W. Young, D. J. Hellawell, and J. Welch, 'Neglect and Visual Recognition', *Brain*, vol. 115, no. 1, pp. 51–71, 1992, doi: 10.1093/brain/115.1.51.

[17]

A. Kingstone, 'Taking a Real Look at Social Attention', *Current Opinion in Neurobiology*, vol. 19, no. 1, pp. 52–56, 2009, doi: 10.1016/j.conb.2009.05.004.

[18]

S. R. H. Langton, R. J. Watt, and V. Bruce, 'Do the Eyes Have It? Cues to the Direction of Social Attention', *Trends in Cognitive Sciences*, vol. 4, no. 2, pp. 50–59, 2000, doi: 10.1016/S1364-6613(99)01436-9.

[19]

L. Nummenmaa and A. J. Calder, 'Neural Mechanisms of Social Attention', *Trends in Cognitive Sciences*, vol. 13, no. 3, pp. 135–143, 2009, doi: 10.1016/j.tics.2008.12.006.

[20]

A. J. Calder et al., 'Separate Coding of Different Gaze Directions in the Superior Temporal Sulcus and Inferior Parietal Lobule', *Current Biology*, vol. 17, no. 1, pp. 20–25, 2007, doi: 10.1016/j.cub.2006.10.052.

[21]

J. Driver, G. Davis, P. Ricciardelli, P. Kidd, E. Maxwell, and S. Baron-Cohen, 'Gaze Perception Triggers Reflexive Visuospatial Orienting', *Visual Cognition*, vol. 6, no. 5, pp. 509–540, 1999, doi: 10.1080/135062899394920.

[22]

C. W. Eriksen and J. D. St. James, 'Visual Attention Within and Around the Field of Focal Attention: A Zoom Lens Model', *Perception & Psychophysics*, vol. 40, no. 4, pp. 225–240, 1986, doi: 10.3758/BF03211502.

[23]

J. M. Findlay and I. D. Gilchrist, *Active Vision: The Psychology of Looking and Seeing*, vol. Oxford Psychology Series. Oxford: Oxford University Press, 2003.

[24]

C. K. Friesen and A. Kingstone, 'The Eyes Have It! Reflexive Orienting Is Triggered by Nonpredictive Gaze', *Psychonomic Bulletin & Review*, vol. 5, no. 3, pp. 490–495, 1998, doi: 10.3758/BF03208827.

[25]

C. K. Friesen and A. Kingstone, 'Inhibition of Return and Reflexive Attention to Gaze Direction [open access]', *Journal of Cognitive Neuroscience*, 1999 [Online]. Available: http://cognet2.mit.edu/library/conferences/paper?paper_id=4332

[26]

J. M. Henderson, 'Visual Attention and Eye Movement Control During Reading and Picture Viewing', in *Eye Movements and Visual Cognition: Scene Perception and Reading*, Softcover reprint of the original 1st ed. 1992., vol. Springer Series in Neuropsychology, New York, NY: Springer, 1992.

[27]

R. Jenkins and J. D. Beaver, 'I Thought You Were Looking at Me: Direction-Specific Aftereffects in Gaze Perception', *Psychological Science*, vol. 17, no. 6, pp. 506-513, 2006 [Online]. Available: http://www.jstor.org/stable/40064401?seq=1#page_scan_tab_contents

[28]

J. M. Findlay and I. D. Gilchrist, *Active Vision: The Psychology of Looking and Seeing*, vol. Oxford Psychology Series. Oxford: Oxford University Press, 2003.

[29]

I. Biederman, 'Perceiving Real-World Scenes', *Science*, vol. 177, no. 4043, pp. 77-80, 1972 [Online]. Available: http://www.jstor.org/stable/1733939?seq=1#page_scan_tab_contents

[30]

A. Fei-Fei, C. Iyer, and P. Pietro, 'What Do We Perceive in a Glance of a Real-World Scene?[open access]', *Journal of Vision*, vol. 7, no. 1, 2007 [Online]. Available: <http://jov.arvojournals.org/article.aspx?articleid=2192891>

[31]

J. Henderson, 'Human Gaze Control During Real-World Scene Perception', *Trends in Cognitive Sciences*, vol. 7, no. 11, pp. 498-504, 2003, doi: 10.1016/j.tics.2003.09.006.

[32]

J. M. Henderson, P. A. Weeks, and A. Hollingworth, 'The Effects of Semantic Consistency on

Eye Movements During Complex Scene Viewing', *Journal of Experimental Psychology: Human Perception and Performance*, vol. 25, no. 1, pp. 210–228, 1999 [Online]. Available: <http://search.ebscohost.com/login.aspx?direct=true&db=pdh&AN=1999-00001-015&site=ehost-live>

[33]

J. M. Henderson and A. Hollingworth, 'High-Level Scene Perception', *Annual Review of Psychology*, vol. 50, no. 1, pp. 243–271, 1999, doi: 10.1146/annurev.psych.50.1.243.

[34]

L. Itti and C. Koch, 'A Saliency-Based Search Mechanism for Overt and Covert Shifts of Visual Attention', *Vision Research*, vol. 40, no. 10–12, pp. 1489–1506, 2000, doi: 10.1016/S0042-6989(99)00163-7.

[35]

L. Itti and C. Koch, 'Computational Modelling of Visual Attention', *Nature Reviews Neuroscience*, vol. 2, no. 3, pp. 194–203, 2001, doi: 10.1038/35058500.

[36]

G. R. Loftus and N. H. Mackworth, 'Cognitive Determinants of Fixation Location During Picture Viewing', *Journal of Experimental Psychology: Human Perception and Performance*, vol. 4, no. 4, pp. 565–572, 1978, doi: 10.1037/0096-1523.4.4.565. [Online]. Available: <http://web.a.ebscohost.com/ehost/detail/detail?vid=1&sid=0eabbab7-87c7-4858-88c2-2f84f180eced%40sessionmgr4006&hid=4114&bdata=JnNpdGU9ZWWhvc3QtbGl2ZQ%3d%3d#AN=1980-22602-001&db=pdh>

[37]

D. Parkhurst, K. Law, and E. Niebur, 'Modeling the Role of Saliency in the Allocation of Overt Visual Attention', *Vision Research*, vol. 42, no. 1, pp. 107–123, 2002, doi: 10.1016/S0042-6989(01)00250-4.

[38]

R. Righart and B. De Gelder, 'Recognition of Facial Expressions Is Influenced by Emotional

Scene Gist', *Cognitive, Affective, & Behavioral Neuroscience*, vol. 8, no. 3, pp. 264–272, 2008, doi: 10.3758/CABN.8.3.264.

[39]

G. Rousselet, O. Joubert, and M. Fabre-Thorpe, 'How Long to Get to the "Gist" of Real-World Natural Scenes?', *Visual Cognition*, vol. 12, no. 6, pp. 852–877, 2005, doi: 10.1080/13506280444000553.

[40]

B. W. Tatler, R. J. Baddeley, and I. D. Gilchrist, 'Visual Correlates of Fixation Selection: Effects of Scale and Time', *Vision Research*, vol. 45, no. 5, pp. 643–659, 2005, doi: 10.1016/j.visres.2004.09.017.

[41]

B. W. Tatler and N. J. Wade, 'Yarbus, Eye Movements, and Vision', *i-Perception*, vol. 1, no. 1, pp. 7–27, 2010, doi: 10.1068/i0382.

[42]

S. Thorpe, D. Fize, and C. Marlot, 'Speed of Processing in the Human Visual System', *Nature*, vol. 381, no. 6582, pp. 520–522, 1996, doi: 10.1038/381520a0.

[43]

G. J. Walker-Smith, A. G. Gale, and J. M. Findlay, 'Eye Movement Strategies Involved in Face Perception', *Perception*, vol. 6, no. 3, 1977 [Online]. Available: <http://journals.sagepub.com/doi/abs/10.1068/p060313n>

[44]

V. Bruce and A. Young, 'Understanding Face Recognition', *British Journal of Psychology*, vol. 77, 1986 [Online]. Available: <http://onlinelibrary.wiley.com/doi/10.1111/j.2044-8295.1986.tb02199.x/abstract>

[45]

T. Busigny, M. Graf, E. Mayer, and B. Rossion, 'Acquired Prosopagnosia as a Face-Specific Disorder: Ruling Out the General Visual Similarity Account', *Neuropsychologia*, vol. 48, no. 7, pp. 2051–2067, 2010, doi: 10.1016/j.neuropsychologia.2010.03.026.

[46]

A. J. Calder, *The Oxford Handbook of Face Perception*, vol. Oxford library of psychology. Oxford: Oxford University Press, 2011.

[47]

A. J. Calder and A. W. Young, 'Understanding the Recognition of Facial Identity and Facial Expression', *Nature Reviews Neuroscience*, vol. 6, no. 8, pp. 641–651, 2005, doi: 10.1038/nrn1724.

[48]

J. V. Haxby, E. A. Hoffman, and M. I. Gobbini, 'The Distributed Human Neural System for Face Perception', *Trends in Cognitive Sciences*, vol. 4, no. 6, pp. 223–233, 2000, doi: 10.1016/S1364-6613(00)01482-0.

[49]

G. Hole and V. Bourne, *Face Processing: Psychological, Neuropsychological, and Applied Perspectives*, 1st ed. New York: Oxford University Press, 2010.

[50]

N. Kanwisher and G. Yovel, 'The Fusiform Face Area: A Cortical Region Specialized for the Perception of Faces', *Philosophical Transactions Of The Royal Society Of London. Series B, Biological Sciences*, vol. 361, no. 1476, 2006 [Online]. Available: http://www.jstor.org/stable/20209804?seq=1#page_scan_tab_contents

[51]

D. Y. Tsao and M. S. Livingstone, 'Mechanisms of Face Perception', *Annual Review of Neuroscience*, vol. 31, no. 1, pp. 411–437, 2008, doi:

10.1146/annurev.neuro.30.051606.094238.

[52]

T. Valentine, M. B. Lewis, and P. J. Hills, 'Face-Space: A Unifying Concept in Face Recognition Research', *The Quarterly Journal of Experimental Psychology*, vol. 69, no. 10, pp. 1996–2019, 2016, doi: 10.1080/17470218.2014.990392.

[53]

N. Furl, 'Face Recognition Algorithms and the Other-Race Effect: Computational Mechanisms for a Developmental Contact Hypothesis', *Cognitive Science*, vol. 26, no. 6, pp. 797–815, 2002, doi: 10.1016/S0364-0213(02)00084-8. [Online]. Available: <http://www.sciencedirect.com/science/article/pii/S0364021302000848>

[54]

G. Hole and V. Bourne, *Face Processing: Psychological, Neuropsychological, and Applied Perspectives*, 1st ed. New York: Oxford University Press, 2010.

[55]

N. Kanwisher, J. McDermott, and M. M. Chun, 'The Fusiform Face Area: A Module in Human Extrastriate Cortex Specialized for Face Perception [open access]', *Journal Of Neuroscience : The Official Journal Of The Society For Neuroscience*, vol. 17, no. 11, 1997 [Online]. Available: <http://www.jneurosci.org/content/17/11/4302>

[56]

P. K. Kuhl and K. A. Williams, 'Linguistic Experience Alters Phonetic Perception in Infants by 6 Months of Age', *Science*, vol. 255, no. 5044, pp. 606–608, 1992 [Online]. Available: <http://www.jstor.org/stable/2876832>

[57]

K. Lee, G. Byatt, and G. Rhodes, 'Caricature Effects, Distinctiveness, and Identification: Testing the Face-Space Framework', *Psychological Science*, vol. 11, no. 5, pp. 379–385, 2000 [Online]. Available: http://www.jstor.org/stable/40063545?seq=1#page_scan_tab_contents

[58]

L. L. Light, F. Kayra-Stuart, and S. Hollander, 'Recognition Memory for Typical and Unusual Faces', *Journal of Experimental Psychology: Human Learning and Memory*, vol. 5, no. 3, pp. 212–228, 1979, doi: 10.1037/0278-7393.5.3.212. [Online]. Available: <http://web.a.ebscohost.com/ehost/detail/detail?sid=009b0429-c620-4266-8a29-469db754dab2%40sessionmgr4007&vid=0&hid=4204&bdata=JnNpdGU9ZWZWhvc3QtbGl2ZQ%3d%3d#AN=1981-07092-001&db=pdh>

[59]

J. E. McNeil and E. K. Warrington, 'Prosopagnosia: A Face-Specific Disorder', *The Quarterly Journal of Experimental Psychology Section A*, vol. 46, no. 1, pp. 1–10, 1993, doi: 10.1080/14640749308401064.

[60]

M. Moscovitch, G. Winocur, and M. Behrmann, 'What Is Special about Face Recognition? Nineteen Experiments on a Person with Visual Object Agnosia and Dyslexia but Normal Face Recognition', *Journal of Cognitive Neuroscience*, vol. 9, no. 5, pp. 555–604, 1997, doi: 10.1162/jocn.1997.9.5.555.

[61]

D. I. Perrett, E. T. Rolls, and W. Caan, 'Visual Neurones Responsive to Faces in the Monkey Temporal Cortex', *Experimental Brain Research*, vol. 47, no. 3, 1982, doi: 10.1007/BF00239352.

[62]

J. Sergent and J. L. Signoret, 'Varieties of Functional Deficits in Prosopagnosia', *Cerebral Cortex* (New York, N.Y. : 1991), vol. 2, no. 5, 1992 [Online]. Available: <http://cercor.oxfordjournals.org/content/2/5/375>

[63]

J. W. Tanaka and D. Simonyi, 'The "Parts and Wholes" of Face Recognition: A Review of the Literature', *The Quarterly Journal of Experimental Psychology*, vol. 69, no. 10, pp. 1876–1889, 2016, doi: 10.1080/17470218.2016.1146780.

[64]

P. Thompson, 'Margaret Thatcher: A New Illusion', *Perception*, vol. 38, no. 6, pp. 483–484, 2009 [Online]. Available: <http://journals.sagepub.com/doi/abs/10.1068/p090483>

[65]

D. Y. Tsao and W. A. Freiwald, 'A Cortical Region Consisting Entirely of Face-Selective Cells', *Science (New York, N.Y.)*, vol. 311, no. 5761, 2006 [Online]. Available: http://www.jstor.org/stable/3843515?seq=1#page_scan_tab_contents

[66]

T. Valentine and V. Bruce, 'The Effects of Distinctiveness in Recognising and Classifying Faces', *Perception*, vol. 15, no. 5, 1986 [Online]. Available: <http://journals.sagepub.com/doi/abs/10.1068/p150525>

[67]

T. Valentine, 'A Unified Account of the Effects of Distinctiveness, Inversion, and Race in Face Recognition', *The Quarterly Journal of Experimental Psychology Section A*, vol. 43, no. 2, pp. 161–204, 1991, doi: 10.1080/14640749108400966.

[68]

A. W. Young, D. Hellawell, and D. C. Hay, 'Configurational Information in Face Perception', *Perception*, vol. 16, no. 6, 1987 [Online]. Available: <http://journals.sagepub.com/doi/abs/10.1068/p160747n>

[69]

P. Sumner and M. Husain, 'At the Edge of Consciousness: Automatic Motor Activation and Voluntary Control', *The Neuroscientist*, vol. 14, no. 5, pp. 474–486, 2007, doi: 10.1177/1073858408314435.

[70]

S. J. Anderson, N. Yamagishi, and V. Karavia, 'Attentional Processes Link Perception and Action', *Proceedings. Biological Sciences*, vol. 269, no. 1497, 2002 [Online]. Available: http://www.jstor.org/stable/3067896?seq=1#page_scan_tab_contents

[71]

I. Biran and A. Chatterjee, 'Alien Hand Syndrome', *Archives of Neurology*, vol. 61, no. 2, 2004.

[72]

S. Della Sala, C. Marchetti, and H. Spinnler, 'Right-Sided Anarchic (Alien) Hand: A Longitudinal Study', *Neuropsychologia*, vol. 29, no. 11, pp. 1113-1127, 1991, doi: 10.1016/0028-3932(91)90081-I.

[73]

M. Eimer and F. Schlaghecken, 'Links Between Conscious Awareness and Response Inhibition: Evidence From Masked Priming', *Psychonomic Bulletin & Review*, vol. 9, no. 3, pp. 514-520, 2002, doi: 10.3758/BF03196307.

[74]

M. Eimer and F. Schlaghecken, 'Effects of Masked Stimuli on Motor Activation: Behavioral and Electrophysiological Evidence', *Journal of Experimental Psychology: Human Perception and Performance*, vol. 24, no. 6, pp. 1737-1747, 1998, doi: 10.1037/0096-1523.24.6.1737. [Online]. Available: <http://web.a.ebscohost.com/ehost/detail/detail?vid=2&sid=c4684ec7-4a93-4b66-b404-8e08ca6065e9%40sessionmgr4007&hid=4204&bdata=JnNpdGU9ZWZWhvc3QtbGl2ZQ%3d%3d#AN=1998-11401-012&db=pdh>

[75]

M. Eimer and F. Schlaghecken, 'Response Facilitation and Inhibition in Subliminal Priming', *Biological Psychology*, vol. 64, no. 1-2, pp. 7-26, 2003, doi: 10.1016/S0301-0511(03)00100-5.

[76]

J. Grèzes and M. Tucker, 'Objects Automatically Potentiate Action: An fMRI Study of Implicit Processing', *European Journal of Neuroscience*, vol. 17, no. 12, pp. 2735–2740, 2003, doi: 10.1046/j.1460-9568.2003.02695.x.

[77]

F. Hermens, P. Sumner, and R. Walker, 'Inhibition of Masked Primes as Revealed by Saccade Curvature', *Vision Research*, vol. 50, no. 1, pp. 46–56, 2010, doi: 10.1016/j.visres.2009.10.008.

[78]

G. W. Humphreys and M. J. Riddoch, 'One More Cup of Coffee for the Road: Object- Action Assemblies, Response Blocking and Response Capture After Frontal Lobe Damage', in *Executive Control and the Frontal Lobe: Current Issues*, 2000 Reprint., 2000, pp. 81–93 [Online]. Available: <http://link.springer.com/article/10.1007/s002210000403>

[79]

J. C. Karremans, W. Stroebe, and J. Claus, 'Beyond Vicary's Fantasies: The Impact of Subliminal Priming and Brand Choice', *Journal of Experimental Social Psychology*, vol. 42, no. 6, pp. 792–798, 2006, doi: 10.1016/j.jesp.2005.12.002.

[80]

V. W. Mark, 'Alien Hand Syndrome', *MedLink Journal*. 2007 [Online]. Available: <https://www.jsmf.org/meetings/2008/may/Mark%20VW%202008%20Alien%20hand%20syndrome.pdf>

[81]

E. Misirlisoy and F. Hermens, 'Spatial Primes Produce Dissociated Inhibitory Effects on Saccadic Latencies and Trajectories', *Vision Research*, vol. 96, pp. 1–7, 2014, doi: 10.1016/j.visres.2013.12.017.

[82]

T. Paus and M. Kalina, 'Medial vs Lateral Frontal Lobe Lesions and Differential Impairment of Central-Gaze Fixation Maintenance in Man', *Brain*, vol. 114, no. 5, pp. 2051–2067, 1991,

doi: 10.1093/brain/114.5.2051.

[83]

M. J. Riddoch and M. G. Edwards, 'Visual Affordances Direct Action: Neuropsychological Evidence From Manual Interference', *Cognitive Neuropsychology*, vol. 15, no. 6-8, pp. 645-683, 1998, doi: 10.1080/026432998381041.

[84]

W. Sato, T. Okada, and M. Toichi, 'Attentional Shift by Gaze Is Triggered Without Awareness', *Experimental Brain Research*, vol. 183, no. 1, pp. 87-94, 2007, doi: 10.1007/s00221-007-1025-x.

[85]

F. Schlaghecken, S. T. Klapp, and E. A. Maylor, 'Either or Neither, but Not Both: Locating the Effects of Masked Primes', *Proceedings of the Royal Society B: Biological Sciences*, vol. 276, no. 1656, pp. 515-521, 2009, doi: 10.1098/rspb.2008.0933.

[86]

P. Sumner and P. Nachev, 'Human Medial Frontal Cortex Mediates Unconscious Inhibition of Voluntary Action', *Neuron*, vol. 54, no. 5, pp. 697-711, 2007, doi: 10.1016/j.neuron.2007.05.016.

[87]

P. Sumner and M. Husain, 'At the Edge of Consciousness: Automatic Motor Activation and Voluntary Control', *The Neuroscientist*, vol. 14, no. 5, pp. 474-486, 2007, doi: 10.1177/1073858408314435.

[88]

M. Tucker and R. Ellis, 'On the Relations Between Seen Objects and Components of Potential Actions', *Journal of Experimental Psychology: Human Perception and Performance*, vol. 24, no. 3, pp. 830-846, 1998, doi: 10.1037/0096-1523.24.3.830. [Online]. Available: <http://web.a.ebscohost.com/ehost/detail/detail?vid=1&sid=9f2caa69-88a4-4fe9-82c8-b4ef2ef8e337%40sessionmgr4007&hid=4204&bdata=JnNpdGU9ZWwhvc3QtbGl2>

ZQ%3d%3d#db=pdh&AN=1998-02354-011

[89]

D. Chalmers, 'What is a Neural Correlate of Consciousness?', 2000. [Online]. Available: <http://consc.net/papers/ncc2.html>

[90]

J. D. Haynes, 'An Information-Based Approach to Consciousness: Mental State Decoding', 2015 [Online]. Available: https://open-mind.net/papers/an-information-based-approach-to-consciousness-mental-state-decoding/at_download/paperPDF

[91]

J.-D. Haynes, 'Decoding Visual Consciousness From Human Brain Signals', Trends in Cognitive Sciences, vol. 13, no. 5, pp. 194–202, 2009, doi: 10.1016/j.tics.2009.02.004.

[92]

E. B. Goldstein, 'Cengage Learning', in Sensation and Perception, 9th ed., Belmont, Calif: Wadsworth, 2015.

[93]

E. B. Goldstein, 'Cengage Learning', in Sensation and Perception, 2015 [Online]. Available: <http://ezproxy01.rhul.ac.uk/login?url=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9781473711167>

[94]

J. M. Zanker, 'Perception as Gateway to the World', in Sensation, Perception and Action: An Evolutionary Perspective, Basingstoke: Palgrave Macmillan, 2010.

[95]

D. C. Van Essen and J. H. R. Maunsell, 'Hierarchical Organization and Functional Streams in the Visual Cortex', *Trends in Neurosciences*, vol. 6, pp. 370–375, 1983, doi: 10.1016/0166-2236(83)90167-4.

[96]

J.-D. Haynes, 'Decoding Visual Consciousness From Human Brain Signals', *Trends in Cognitive Sciences*, vol. 13, no. 5, pp. 194–202, 2009, doi: 10.1016/j.tics.2009.02.004.

[97]

J. D. Haynes, 'An Information-Based Approach to Consciousness: Mental State Decoding', 2015 [Online]. Available:
https://open-mind.net/papers/an-information-based-approach-to-consciousness-mental-state-decoding/at_download/paperPDF

[98]

F. Crick and C. Koch, 'Consciousness and Neuroscience', *Cerebral Cortex* (New York, N.Y. : 1991), vol. 8, no. 2, 1998 [Online]. Available:
<http://cercor.oxfordjournals.org/content/8/2/97>

[99]

A. Bartels, N. K. Logothetis, and K. Moutoussis, 'fMRI and Its Interpretations: An Illustration on Directional Selectivity in Area V5/MT', *Trends in Neurosciences*, vol. 31, no. 9, pp. 444–453, 2008, doi: 10.1016/j.tins.2008.06.004.

[100]

D. A. Leopold and N. K. Logothetis, 'Multistable Phenomena: Changing Views in Perception', *Trends in Cognitive Sciences*, vol. 3, no. 7, pp. 254–264, 1999, doi: 10.1016/S1364-6613(99)01332-7.

[101]

C. V. Buhusi and W. H. Meck, 'What Makes Us Tick? Functional and Neural Mechanisms of Interval Timing', *Nature Reviews Neuroscience*, vol. 6, no. 10, pp. 755–765, 2005, doi: 10.1038/nrn1764.

[102]

S. Grondin, 'Timing and Time Perception: A Review of Recent Behavioral and Neuroscience Findings and Theoretical Directions', *Attention, Perception, & Psychophysics*, vol. 72, no. 3, pp. 561–582, 2010, doi: 10.3758/APP.72.3.561.

[103]

A. Johnston, D. H. Arnold, and S. Nishida, 'Spatially Localized Distortions of Event Time', *Current Biology*, vol. 16, no. 5, pp. 472–479, 2006, doi: 10.1016/j.cub.2006.01.032.

[104]

P. U. Tse, J. Intriligator, J. Rivest, and P. Cavanagh, 'Attention and the Subjective Expansion of Time', *Perception & Psychophysics*, vol. 66, no. 7, pp. 1171–1189, 2004, doi: 10.3758/BF03196844.

[105]

S. M. Kosslyn, G. Ganis, and W. L. Thompson, 'Neural Foundations of Imagery', *Nature Reviews Neuroscience*, vol. 2, no. 9, pp. 635–642, 2001, doi: 10.1038/35090055.

[106]

Z. Pylyshyn, 'Return of the Mental Image: Are There Really Pictures in the Brain?', *Trends in Cognitive Sciences*, vol. 7, no. 3, pp. 113–118, 2003, doi: 10.1016/S1364-6613(03)00003-2.

[107]

J. Pearson and S. M. Kosslyn, 'The Heterogeneity of Mental Representation: Ending the Imagery Debate', *Proceedings of the National Academy of Sciences*, vol. 112, no. 33, pp. 10089–10092, 2015, doi: 10.1073/pnas.1504933112.

[108]

P. Cisek and J. F. Kalaska, 'Neural Correlates of Mental Rehearsal in Dorsal Premotor

Cortex', *Nature*, vol. 431, no. 7011, pp. 993–996, 2004, doi: 10.1038/nature03005.

[109]

M. S. Cohen, S. M. Brookheimer, and G. J. Breiter, 'Changes in Cortical Activity During Mental Rotation: A Mapping Study Using Functional MRI', *Brain*, vol. 119, no. 1, pp. 89–100, 1996 [Online]. Available: <http://brain.oxfordjournals.org/content/119/1/89>

[110]

E. F. Ester, J. T. Serences, and E. Awh, 'Spatially Global Representations in Human Primary Visual Cortex during Working Memory Maintenance', *Journal of Neuroscience*, vol. 29, no. 48, pp. 15258–15265, 2009, doi: 10.1523/JNEUROSCI.4388-09.2009.

[111]

R. A. Finke and H. S. Kurtzman, 'Mapping the Visual Field in Mental Imagery', *Journal of Experimental Psychology: General*, vol. 110, no. 4, pp. 501–517, 1981, doi: 10.1037/0096-3445.110.4.501. [Online]. Available: <http://search.ebscohost.com/login.aspx?direct=true&db=pdh&AN=1982-08745-001&site=ehost-live>

[112]

T. L. Hubbard, 'Auditory Imagery: Empirical Findings', *Psychological Bulletin*, vol. 136, no. 2, pp. 302–329, 2010, doi: 10.1037/a0018436. [Online]. Available: <http://search.ebscohost.com/login.aspx?direct=true&db=pdh&AN=2010-03383-013&site=ehost-live>

[113]

A. Ishai and D. Sagi, 'Common Mechanisms of Visual Imagery and Perception', *Science*, vol. 268, no. 5218, pp. 1772–1774, 1995 [Online]. Available: http://www.jstor.org/stable/2887815?seq=1#page_scan_tab_contents

[114]

M. Jeannerod and J. Decety, 'Mental Motor Imagery: A Window Into the Representational Stages of Action', *Current Opinion in Neurobiology*, vol. 5, no. 6, pp. 727–732, 1995, doi:

10.1016/0959-4388(95)80099-9.

[115]

S. M. Kosslyn, *Image and Brain: The Resolution of the Imagery Debate*. Cambridge, Mass: MIT, 1994.

[116]

S. M. Kosslyn, G. Ganis, and W. L. Thompson, 'Neural Foundations of Imagery', *Nature Reviews Neuroscience*, vol. 2, no. 9, pp. 635–642, 2001, doi: 10.1038/35090055.

[117]

S. M. Kosslyn, W. L. Thompson, I. J. Klm, and N. M. Alpert, 'Topographical Representations of Mental Images in Primary Visual Cortex', *Nature*, vol. 378, no. 6556, pp. 496–498, 1995, doi: 10.1038/378496a0.

[118]

S. M. Kosslyn, M. Behrmann, and M. Jeannerod, 'The Cognitive Neuroscience of Mental Imagery', *Neuropsychologia*, vol. 33, no. 11, pp. 1335–1344, 1995, doi: 10.1016/0028-3932(95)00067-D.

[119]

S. M. Kosslyn, 'The Role of Area 17 in Visual Imagery: Convergent Evidence from PET and rTMS', *Science*, vol. 284, no. 5411, pp. 167–170, 1999, doi: 10.1126/science.284.5411.167.

[120]

S. M. Kosslyn and W. L. Thompson, 'When Is Early Visual Cortex Activated During Visual Mental Imagery?', *Psychological Bulletin*, vol. 129, no. 5, pp. 723–746, 2003, doi: 10.1037/0033-2909.129.5.723. [Online]. Available: <http://web.a.ebscohost.com/ehost/detail/detail?vid=1&sid=d7b96109-f49a-4d8b-ba26-eec3da1432e4%40sessionmgr4010&hid=4204&bdata=JnNpdGU9ZWZWhvc3QtbGl2ZQ%3d%3d#AN=2003-99991-004&db=pdh>

[121]

D. E. J. Linden, K. Thornton, C. N. Kuswanto, S. J. Johnston, V. van de Ven, and M. C. Jackson, 'The Brain's Voices: Comparing Nonclinical Auditory Hallucinations and Imagery', *Cerebral Cortex*, vol. 21, no. 2, pp. 330–337, 2011, doi: 10.1093/cercor/bhq097.

[122]

L. M. Parsons, 'Imagined Spatial Transformations of One's Hands and Feet', *Cognitive Psychology*, vol. 19, no. 2, pp. 178–241, 1987, doi: 10.1016/0010-0285(87)90011-9.

[123]

J. Pearson and S. M. Kosslyn, 'The Heterogeneity of Mental Representation: Ending the Imagery Debate', *Proceedings of the National Academy of Sciences*, vol. 112, no. 33, pp. 10089–10092, 2015, doi: 10.1073/pnas.1504933112.

[124]

C. W. Perky, 'An Experimental Study of Imagination', *The American Journal of Psychology*, vol. 21, no. 3, pp. 422–452, 1910, doi: 10.2307/1413350.

[125]

Z. Pylyshyn, 'Return of the Mental Image: Are There Really Pictures in the Brain?', *Trends in Cognitive Sciences*, vol. 7, no. 3, pp. 113–118, 2003, doi: 10.1016/S1364-6613(03)00003-2.

[126]

A. N. Rich et al., 'Neural Correlates of Imagined and Synaesthetic Colours', *Neuropsychologia*, vol. 44, no. 14, pp. 2918–2925, 2006, doi: 10.1016/j.neuropsychologia.2006.06.024.

[127]

R. N. Shepard and J. Metzler, 'Mental Rotation of Three-Dimensional Objects', *Science*, vol.

171, no. 3972, pp. 701–703, 1971 [Online]. Available:
http://www.jstor.org/stable/1731476?seq=1#page_scan_tab_contents

[128]

P. Thompson, 'Margaret Thatcher: A New Illusion', *Perception*, vol. 38, no. 6, pp. 483–484, 2009 [Online]. Available: <http://journals.sagepub.com/doi/abs/10.1068/p090483>

[129]

R. B. H. Tootell et al., 'The Retinotopy of Visual Spatial Attention', *Neuron*, vol. 21, no. 6, pp. 1409–1422, 1998, doi: 10.1016/S0896-6273(00)80659-5.

[130]

M. S. Silverman, E. Switkes, and R. L. De Valois, 'Deoxyglucose Analysis of Retinotopic Organization in Primate Striate Cortex', *Science*, vol. 218, no. 4575, pp. 902–904, 1982 [Online]. Available: http://www.jstor.org/stable/1689041?seq=1#page_scan_tab_contents

[131]

R. A. Rensink, 'Change Detection', *Annual Review of Psychology*, vol. 53, no. 1, pp. 245–277, 2002, doi: 10.1146/annurev.psych.53.100901.135125.

[132]

D. J. Simons and R. A. Rensink, 'Change Blindness: Past, Present, and Future', *Trends in Cognitive Sciences*, vol. 9, no. 1, pp. 16–20, 2005, doi: 10.1016/j.tics.2004.11.006.

[133]

D. M. Beck, 'Right Parietal Cortex Plays a Critical Role in Change Blindness', *Cerebral Cortex*, vol. 16, no. 5, pp. 712–717, 2005, doi: 10.1093/cercor/bhj017.

[134]

D. M. Beck, G. Rees, C. D. Frith, and N. Lavie, 'Neural Correlates of Change Detection and Change Blindness', *Nature Neuroscience*, vol. 4, no. 6, pp. 645–650, 2001, doi: 10.1038/88477. [Online]. Available: http://www.nature.com/neuro/journal/v4/n6/full/nn0601_645.html

[135]

E. C. Cherry, 'Some Experiments on the Recognition of Speech, With One and With Two Ears', *The Journal of the Acoustical Society of America*, vol. 25, no. 5, pp. 975–979, 1953, doi: 10.1121/1.1907229.

[136]

R. Eramudugolla, D. R. F. Irvine, K. I. McAnally, R. L. Martin, and J. B. Mattingley, 'Directed Attention Eliminates "Change Deafness" in Complex Auditory Scenes', *Current Biology*, vol. 15, no. 12, pp. 1108–1113, 2005, doi: 10.1016/j.cub.2005.05.051.

[137]

G. W. McConkie and C. B. Currie, 'Visual Stability Across Saccades While Viewing Complex Pictures', *Journal of Experimental Psychology: Human Perception and Performance*, vol. 22, no. 3, pp. 563–581, 1996, doi: 10.1037/0096-1523.22.3.563. [Online]. Available: <http://search.ebscohost.com/login.aspx?direct=true&db=pdh&AN=1996-04250-004&site=ehost-live>

[138]

J. M. Henderson and A. Hollingworth, 'High-Level Scene Perception', *Annual Review of Psychology*, vol. 50, no. 1, pp. 243–271, 1999, doi: 10.1146/annurev.psych.50.1.243.

[139]

J. K. O'Regan, '"Mud Splashes" Render Picture Changes Invisible [open access]', *Invest. Ophthalmol. Vis. Sci*, vol. 37, no. 3.

[140]

R. A. Rensink, 'Change Detection', *Annual Review of Psychology*, vol. 53, no. 1, pp. 245–277, 2002, doi: 10.1146/annurev.psych.53.100901.135125.

[141]

R. A. Rensink, J. K. O'Regan, and J. J. Clark, 'To See or Not to See: The Need for Attention to Perceive Changes in Scenes', *Psychological Science*, vol. 8, no. 5, pp. 368–373, 1997 [Online]. Available: http://www.jstor.org/stable/40063214?seq=1#page_scan_tab_contents

[142]

D. J. Simons and M. S. Ambinder, 'Change Blindness: Theory and Consequences', *Current Directions in Psychological Science*, vol. 14, no. 1, pp. 44–48, 2005 [Online]. Available: http://www.jstor.org/stable/20182983?seq=1#page_scan_tab_contents

[143]

M. S. Vitevitch, 'Change Deafness: The Inability to Detect Changes Between Two Voices', *Journal of Experimental Psychology: Human Perception and Performance*, vol. 29, no. 2, pp. 333–342, 2003, doi: 10.1037/0096-1523.29.2.333. [Online]. Available: <http://web.b.ebscohost.com/ehost/detail/detail?vid=0&sid=0035e98f-3841-4b58-83e5-1b93b159f85c%40sessionmgr103&bdata=JnNpdGU9ZWhtbGl2ZQ%3d%3d#AN=2003-00308-007&db=pdh>

[144]

R. J. Howard, 'The Functional Anatomy of Imagining and Perceiving Colour [open access]', *NeuroReport*, vol. 9, no. 6, pp. 1019–1023, 1998.

[145]

J. C. Adair, R. L. Schwartz, D. L. Na, E. Fennell, R. L. Gilmore, and K. M. Heilman, 'Anosognosia: Examining the Disconnection Hypothesis', *Journal of Neurology, Neurosurgery & Psychiatry*, vol. 63, no. 6, pp. 798–800, 1997, doi: 10.1136/jnnp.63.6.798.

[146]

A. Berti et al., 'Motor Awareness and Motor Intention in Anosognosia for Hemiplegia', in *Sensorimotor Foundations of Higher Cognition*, vol. 22, Oxford: Oxford University Press, 2008, pp. 163–181.

[147]

A. Berti et al., 'Shared Cortical Anatomy for Motor Awareness and Motor Control', *Science*, vol. 309, no. 5733, pp. 488–491, 2005 [Online]. Available: <https://www.jstor.org/stable/3842242>

[148]

E. Bisiach, G. Vallar, D. Perani, C. Papagno, and A. Berti, 'Unawareness of Disease Following Lesions of the Right Hemisphere: Anosognosia for Hemiplegia and Anosognosia for Hemianopia', *Neuropsychologia*, vol. 24, no. 4, pp. 471–482, 1986, doi: 10.1016/0028-3932(86)90092-8.

[149]

S. Cappa, R. Sterzi, G. Vallar, and E. Bisiach, 'Remission of Hemineglect and Anosognosia During Vestibular Stimulation', *Neuropsychologia*, vol. 25, no. 5, pp. 775–782, 1987, doi: 10.1016/0028-3932(87)90115-1.

[150]

K. Carpenter, A. Berti, S. Oxbury, A. J. Molyneux, E. Bisiach, and J. M. Oxbury, 'Awareness of and Memory for Arm Weakness During Intracarotid Sodium Amytal Testing', *Brain*, vol. 118, no. 1, pp. 243–251, 1995, doi: 10.1093/brain/118.1.243.

[151]

G. Cocchini, N. Beschin, and S. D. Sala, 'Chronic Anosognosia: A Case Report and Theoretical Account', *Neuropsychologia*, vol. 40, no. 12, pp. 2030–2038, 2002, doi: 10.1016/S0028-3932(02)00054-4.

[152]

J. Cutting, 'Study of Anosognosia', *Journal of Neurology, Neurosurgery & Psychiatry*, vol. 41, no. 6, pp. 548–555, 1978, doi: 10.1136/jnnp.41.6.548.

[153]

M. Davies, A. A. Davies, and M. Coltheart, 'Anosognosia and the Two-Factor Theory of Delusions', *Mind and Language*, vol. 20, no. 2, pp. 209–236, 2005, doi: 10.1111/j.0268-1064.2005.00283.x.

[154]

O. Fasold et al., 'Human Vestibular Cortex as Identified With Caloric Stimulation in Functional Magnetic Resonance Imaging', *NeuroImage*, vol. 17, no. 3, pp. 1384–1393, 2002, doi: 10.1006/nimg.2002.1241.

[155]

A. Fotopoulou, S. Pernigo, R. Maeda, A. Rudd, and M. A. Kopelman, 'Implicit Awareness in Anosognosia for Hemiplegia: Unconscious Interference Without Conscious Re-Representation', *Brain*, vol. 133, no. 12, pp. 3564–3577, 2010, doi: 10.1093/brain/awq233.

[156]

A. Fotopoulou, A. Rudd, P. Holmes, and M. Kopelman, 'Self-Observation Reinstates Motor Awareness in Anosognosia for Hemiplegia', *Neuropsychologia*, vol. 47, no. 5, pp. 1256–1260, 2009, doi: 10.1016/j.neuropsychologia.2009.01.018.

[157]

C. D. Frith, S.-J. Blakemore, and D. M. Wolpert, 'Abnormalities in the Awareness and Control of Action', *Philosophical Transactions of the Royal Society of London. Series B: Biological Sciences*, vol. 355, no. 1404, pp. 1771–1788, 2000, doi: 10.1098/rstb.2000.0734.

[158]

F. Garbarini et al., '"Moving" a Paralysed Hand: Bimanual Coupling Effect in Patients With Anosognosia for Hemiplegia', *Brain*, vol. 135, no. 5, pp. 1486–1497, 2012, doi: 10.1093/brain/aws015.

[159]

M. Gold, J. C. Adair, D. H. Jacobs, and K. M. Heilman, 'Anosognosia for Hemiplegia: An

Electrophysiologic Investigation of the Feed-Forward Hypothesis', *Neurology*, vol. 44, no. 10, pp. 1804–1804, 1994, doi: 10.1212/WNL.44.10.1804.

[160]

K. M. Heilman, 'Possible Mechanisms of Anosognosia of Hemiplegia', *Cortex*, vol. 61, pp. 30–42, 2014, doi: 10.1016/j.cortex.2014.06.007.

[161]

K. M. Heilman, A. M. Barrett, and J. C. Adair, 'Possible Mechanisms of Anosognosia: A Defect in Self-awareness', *Philosophical Transactions of the Royal Society of London. Series B: Biological Sciences*, vol. 353, no. 1377, pp. 1903–1909, 1998, doi: 10.1098/rstb.1998.0342.

[162]

H.-O. Karnath, 'Awareness of the Functioning of One's Own Limbs Mediated by the Insular Cortex?', *Journal of Neuroscience*, vol. 25, no. 31, pp. 7134–7138, 2005, doi: 10.1523/JNEUROSCI.1590-05.2005.

[163]

D. N. Levine, 'Unawareness of Visual and Sensorimotor Defects: A Hypothesis', *Brain and Cognition*, vol. 13, no. 2, pp. 233–281, 1990, doi: 10.1016/0278-2626(90)90052-P.

[164]

L. H. Lu et al., 'Anosognosia and Confabulation During the Wada Test', *Neurology*, vol. 49, no. 5, pp. 1316–1322, 1997, doi: 10.1212/WNL.49.5.1316.

[165]

H. L. Lu, M. A. Barrett, E. J. Cibula, L. R. Gilmore, and M. K. Heilman, 'Proprioception More Impaired Distally Than Proximally in Subjects With Hemispheric Dysfunction', *Neurology*, vol. 55, no. 4, pp. 596–597, 2000 [Online]. Available: https://librarysearch.royalholloway.ac.uk/permalink/f/4u704i/TN_ovid00006114-200008220-00034

[166]

A. J. Marcel, 'Slippage in the Unity of Consciousness', in *Experimental and Theoretical Studies of Consciousness*, vol. 174, Chichester: Wiley, 1993.

[167]

A. J. Marcel, 'Slippage in the Unity of Consciousness', in *Experimental and Theoretical Studies of Consciousness*, vol. 174, Chichester: Wiley, 1993, pp. 168–186 [Online]. Available: <http://doi.wiley.com/10.1002/9780470514412.ch9>

[168]

A. Marcel, R. Tegner, and I. Nimmosmith, 'Anosognosia for Plegia: Specificity, Extension, Partiality and Disunity of Bodily Unawareness', *Cortex*, vol. 40, no. 1, pp. 19–40, 2004, doi: 10.1016/S0010-9452(08)70919-5.

[169]

R. McKay et al., 'Vestibular Stimulation Attenuates Unrealistic Optimism', *Cortex*, vol. 49, no. 8, pp. 2272–2275, 2013, doi: 10.1016/j.cortex.2013.04.005.

[170]

M. Nathanson, 'Denial of Illness: Its Occurrence in One Hundred Cases of Hemiplegia', *A.M.A. Archives of Neurology & Psychiatry*, vol. 68, no. 3, pp. 380–387, 1952, doi: 10.1001/archneurpsyc.1952.02320210090010.

[171]

I. B. Nardone, R. Ward, A. Fotopoulou, and O. H. Turnbull, 'Attention and Emotion in Anosognosia: Evidence of Implicit Awareness and Repression?', *Neurocase*, vol. 13, no. 5–6, pp. 438–445, 2008, doi: 10.1080/13554790701881749.

[172]

L. Pia, M. Neppi-Modona, R. Ricci, and A. Berti, 'The Anatomy of Anosognosia for

Hemiplegia: A Meta-Analysis', *Cortex*, vol. 40, no. 2, pp. 367–377, 2004, doi: 10.1016/S0010-9452(08)70131-X.

[173]

M. D. Orfei et al., 'Anosognosia for Hemiplegia After Stroke Is a Multifaceted Phenomenon: A Systematic Review of the Literature', *Brain*, vol. 130, no. 12, pp. 3075–3090, 2007, doi: 10.1093/brain/awm106.

[174]

L. Pia, M. Neppi-Modona, R. Ricci, and A. Berti, 'The Anatomy of Anosognosia for Hemiplegia: A Meta-Analysis', *Cortex*, vol. 40, no. 2, pp. 367–377, 2004, doi: 10.1016/S0010-9452(08)70131-X.

[175]

V. S. Ramachandran, 'Anosognosia in Parietal Lobe Syndrome', *Consciousness and Cognition*, vol. 4, no. 1, pp. 22–51, 1995, doi: 10.1006/ccog.1995.1002.

[176]

T. Sharot, C. W. Korn, and R. J. Dolan, 'How Unrealistic Optimism Is Maintained in the Face of Reality', *Nature Neuroscience*, vol. 14, no. 11, pp. 1475–1479, 2011, doi: 10.1038/nn.2949.

[177]

M. Small and S. Ellis, 'Denial of Hemiplegia: An Investigation Into the Theories of Causation', *European Neurology*, vol. 36, no. 6, pp. 353–363, 1996, doi: 10.1159/000117293.

[178]

O. H. Turnbull, A. Fotopoulou, and M. Solms, 'Anosognosia as Motivated Unawareness: The "Defence" Hypothesis Revisited', *Cortex*, vol. 61, pp. 18–29, 2014, doi: 10.1016/j.cortex.2014.10.008.

[179]

P. Vuilleumier, 'Anosognosia: The Neurology of Beliefs and Uncertainties', *Cortex*, vol. 40, no. 1, pp. 9–17, 2004, doi: 10.1016/S0010-9452(08)70918-3.

[180]

E. A. Weinstein, 'Anosognosia and Denial of Illness', in *Awareness of Deficit After Brain Injury*, New York: Oxford University Press, 1991, pp. 240–257.

[181]

E. A. Weinstein and R. L. Kahn, *Denial of Illness: Symbolic and Physiological Aspects*. Springfield, Ill: Thomas, 1955.

[182]

J. L. Bradshaw and J. B. Mattingley, *Clinical Neuropsychology: Behavioral and Brain Science*. San Diego: Academic Press, 1995.

[183]

J. L. Bradshaw and J. B. Mattingley, *Clinical Neuropsychology: Behavioral and Brain Science*. San Diego: Academic Press, 1995 [Online]. Available: <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1874364>

[184]

A. D. Milner and M. A. Goodale, *The Visual Brain in Action*, 2nd Edition., vol. 43. Oxford: Oxford University Press, 2006.

[185]

A. D. Milner and M. A. Goodale, *The Visual Brain in Action*, 2nd Edition., vol. 27. Oxford: Oxford University Press, Incorporated, 2006 [Online]. Available: <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=5121591>

[186]

I. H. Robertson and J. C. Marshall, *Unilateral Neglect: Clinical and Experimental Studies*. Hove: Erlbaum, 1993.

[187]

A. Berti and G. Rizzolatti, 'Visual Processing Without Awareness: Evidence From Unilateral Neglect', *Journal of Cognitive Neuroscience*, vol. 4, no. 4, pp. 345–351, 1992, doi: 10.1162/jocn.1992.4.4.345.

[188]

S. Cappa, R. Sterzi, G. Vallar, and E. Bisiach, 'Remission of Hemineglect and Anosognosia During Vestibular Stimulation', *Neuropsychologia*, vol. 25, no. 5, pp. 775–782, 1987, doi: 10.1016/0028-3932(87)90115-1.

[189]

B. de Haan, H.-O. Karnath, and J. Driver, 'Mechanisms and Anatomy of Unilateral Extinction After Brain Injury', *Neuropsychologia*, vol. 50, no. 6, pp. 1045–1053, 2012, doi: 10.1016/j.neuropsychologia.2012.02.015.

[190]

C. Dennett Daniel, 'Filling in Versus Finding Out: A Ubiquitous Confusion in Cognitive Science', in *Cognition, Conception, and Methodological Issues*, American Psychological Association, 1992 [Online]. Available: <http://cogprints.org/267/1/fillin.htm>

[191]

P. S. Churchland and V. S. Ramachandran, 'Filling In: Why Dennett Is Wrong', in *Perception*, vol. 5, New York: Oxford University Press, 1993, pp. 132–157 [Online]. Available: <http://ezproxy01.rhul.ac.uk/login?url=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780195359169>

[192]

J. Duncan, G. Humphreys, and R. Ward, 'Competitive Brain Activity in Visual Attention',

Current Opinion in Neurobiology, vol. 7, no. 2, pp. 255–261, 1997, doi:
10.1016/S0959-4388(97)80014-1.

[193]

O. Fasold et al., 'Human Vestibular Cortex as Identified With Caloric Stimulation in Functional Magnetic Resonance Imaging', *NeuroImage*, vol. 17, no. 3, pp. 1384–1393, 2002, doi: 10.1006/nimg.2002.1241.

[194]

M. Husain and P. Nachev, 'Space and the Parietal Cortex', *Trends in Cognitive Sciences*, vol. 11, no. 1, pp. 30–36, 2007, doi: 10.1016/j.tics.2006.10.011.

[195]

J. C. Marshall and P. W. Halligan, 'Blindsight and Insight in Visuo-Spatial Neglect', *Nature*, vol. 336, no. 6201, pp. 766–767, 1988, doi: 10.1038/336766a0.

[196]

J. B. Mattingley, J. Driver, N. Beschin, and I. H. Robertson, 'Attentional Competition Between Modalities: Extinction Between Touch and Vision After Right Hemisphere Damage', *Neuropsychologia*, vol. 35, no. 6, pp. 867–880, 1997, doi: 10.1016/S0028-3932(97)00008-0.

[197]

G. Rizzolatti and A. Berti, 'Neural Mechanisms of Spatial Neglect', in *Unilateral Neglect*, L. Erlbaum, 2013, pp. 87–106 [Online]. Available:
<http://ezproxy01.rhul.ac.uk/login?url=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780203765258>

[198]

I. H. Robertson and J. Heutink, 'Rehabilitation of Unilateral Neglect', in *Neuropsychological Rehabilitation: A Cognitive Approach*, Amsterdam: Boom, 2002.

[199]

G. Rode, N. Charles, M.-T. Perenin, A. Vighetto, M. Trillet, and G. Aimard, 'Partial Remission of Hemiplegia and Somatoparaphrenia Through Vestibular Stimulation in a Case of Unilateral Neglect', *Cortex*, vol. 28, no. 2, pp. 203–208, 1992, doi: 10.1016/S0010-9452(13)80048-2.

[200]

V. Singh-Curry and M. Husain, 'Rehabilitation of Neglect', in *Cognitive Neurorehabilitation: Evidence and Application*, 2nd Edition., Cambridge: Cambridge University Press, 2010, pp. 449–463.

[201]

T. Torjussen, 'Visual Processing in Cortically Blind Hemifields', *Neuropsychologia*, vol. 16, no. 1, pp. 15–21, 1978, doi: 10.1016/0028-3932(78)90038-6.

[202]

G. Vallar, 'Spatial Hemineglect in Humans', *Trends in Cognitive Sciences*, vol. 2, no. 3, pp. 87–97, 1998, doi: 10.1016/S1364-6613(98)01145-0.

[203]

G. Vallar, G. Bottini, M. L. Rusconi, and R. Sterzi, 'Exploring Somatosensory Hemineglect by Vestibular Stimulation', *Brain*, vol. 116, no. 1, pp. 71–86, 1993, doi: 10.1093/brain/116.1.71.

[204]

G. Vallar, R. Sterzi, G. Bottini, S. Cappa, and M. L. Rusconi, 'Temporary Remission of Left Hemianesthesia After Vestibular Stimulation. a Sensory Neglect Phenomenon', *Cortex*, vol. 26, no. 1, pp. 123–131, 1990, doi: 10.1016/S0010-9452(13)80078-0.

[205]

G. Vallar, M. L. Rusconi, L. Bignamini, G. Geminiani, and D. Perani, 'Anatomical Correlates of Visual and Tactile Extinction in Humans: A Clinical Ct Scan Study.', *Journal of Neurology*,

Neurosurgery & Psychiatry, vol. 57, no. 4, pp. 464–470, 1994, doi: 10.1136/jnnp.57.4.464.

[206]

G. Vallar, 'Spatial Hemineglect in Humans', Trends in Cognitive Sciences, vol. 2, no. 3, pp. 87–97, 1998, doi: 10.1016/S1364-6613(98)01145-0.

[207]

B. T. Volpe, J. E. Ledoux, and M. S. Gazzaniga, 'Information Processing of Visual Stimuli in an "Extinguished" Field', Nature, vol. 282, no. 5740, pp. 722–724, 1979, doi: 10.1038/282722a0.

[208]

R. Walker and J. B. Mattingley, 'Ghosts in the Machine? Pathological Visual Completion Phenomena in the Damaged Brain', Neurocase, vol. 3, no. 5, pp. 313–335, 1997, doi: 10.1080/13554799708411972.

[209]

R. Walker and A. W. Young, 'Object-Based Neglect: An Investigation of the Contributions of Eye Movements and Perceptual Completion', Cortex, vol. 32, no. 2, pp. 279–295, 1996, doi: 10.1016/S0010-9452(96)80051-7.

[210]

R. S. Weil, G. T. Plant, M. James-Galton, and G. Rees, 'Neural Correlates of Hemianopic Completion Across the Vertical Meridian', Neuropsychologia, vol. 47, no. 2, pp. 457–464, 2009, doi: 10.1016/j.neuropsychologia.2008.09.020.

[211]

A. W. Young, D. J. Hellawell, and J. Welch, 'Neglect and Visual Recognition', Brain, vol. 115, no. 1, pp. 51–71, 1992, doi: 10.1093/brain/115.1.51.

[212]

B. Williams, 'The Self and the Future', *The Philosophical Review*, vol. 79, no. 2, pp. 161–180, 1970, doi: 10.2307/2183946.

[213]

R. N. Goldstein, 'Extract - Identity Crisis', in *Betraying Spinoza: The Renegade Jew Who Gave Us Modernity*, New York: Nextbook/Shocken, 2006, pp. 124–125 [Online]. Available: <https://contentstore.cla.co.uk/EReader/Index?p=RDpcU2l0ZXNccHJvZHVjdGlvbXlxEb2NzXDlxMzM3N1xEQ1MtNTY0OTlmOWQtMWQ2YS00MDEwLTkxYjktYzZiY2MzYmRkMmJkLnBkZg==&o=JnB1Ymxpc2hlZENvbmlbnRfSWQ9NzA2ODQ3JmNvbmlbnRSZXF1ZXN0X0lkPTc3OTE0MyZkb2N1bWVudExpbms9YzBjYmI5OWUtZjg1OC1lODExLTgwY2QtMDA1MDU2YWY0MDk5JmNvbmlbnRjdGVtX0lkPTIxMzM3Nw==&id=c0cbb99e-f858-e811-80cd-005056af4099>

[214]

P. Broks, 'To be Two or Not to Be', in *Into the Silent Land*, London: Atlantic Books, 2003, pp. 204–225 [Online]. Available: <https://contentstore.cla.co.uk/EReader/Index?p=RDpcU2l0ZXNccHJvZHVjdGlvbXlXUZW1wXERDUy0wZmFmMmZiOC0yN2M1LTQzYWMT0GE3Yy0wNzdkNjczNmY4MTcucGRm&o=JnB1Ymxpc2hlZENvbmlbnRfSWQ9NzA2ODQ1JmNvbmlbnRSZXF1ZXN0X0lkPTc3OTE0MSZkb2N1bWVudExpbms9MTQ4NzVIOTgtZjg1OC1lODExLTgwY2QtMDA1MDU2YWY0MDk5JmNvbmlbnRjdGVtX0lkPTIwNzcwNA==&id=14875e98-f858-e811-80cd-005056af4099>

[215]

D. Hofstadter, 'Prelude... Ant Fugue', in *Gödel, Escher, Bach : An Eternal Golden Braid*, Basic Books, 1945, pp. 275–336 [Online]. Available: <https://contentstore.cla.co.uk/EReader/Index?p=RDpcU2l0ZXNccHJvZHVjdGlvbXlXUZW1wXERDUy0yZGUzMdA0Mi1lY2Q4LTQxMzMtOGRmNi1hNTc3NmQ3OTI4OTQucGRm&o=JnB1Ymxpc2hlZENvbmlbnRfSWQ9OTM0NjMwJmNvbmlbnRSZXF1ZXN0X0lkPTEwMTA0ODMmZG9jdW1lbnRMaW5rPTk1MThkOGQzLTMwY2UtZTkxMS04MGnkLTAwNTA1NmFmNDA5OSZjb250ZW50SXRlbV9jZD0yNzE2MDY=&id=9518d8d3-30ce-e911-80cd-005056af4099>

[216]

D. Dennet, 'Where am I', in *The Mind's I*, Harmondsworth: Penguin, 1982, pp. 217–231 [Online]. Available:

<https://contentstore.cla.co.uk/EReader/Index?p=RDpcU2l0ZXNccHJvZHVjdGlvbXUZW1wXERDUy1kNWU3ZmEwNi1hN2M5LTRjMzgtOTYyMC0wMjdhZWY1ZjZlMjMucGRm&o=JnB1Ymxpc2hlZENvb3RlbnRfSWQ9NzA2ODQ2JmNvb3RlbnRSZXF1ZXN0X0lkPTc3OTE0MiZkb2N1bWVudExpbms9MTU4NzVIOTgtZjg1OC1lODExLTgwY2QtMDA1MDU2YWY0MDk5JmNvb3RlbnRjdGVtX0lkPTlwNzcwNQ==&id=15875e98-f858-e811-80cd-005056af4099>

[217]

W. von Hippel and R. Trivers, 'The Evolution and Psychology of Self-Deception', *Behavioral and Brain Sciences*, vol. 34, no. 1, pp. 1–16, 2011, doi: 10.1017/S0140525X10001354.

[218]

S. Lamba and V. Nityananda, 'Self-Deceived Individuals Are Better at Deceiving Others', *PLoS ONE*, vol. 9, no. 8, 2014, doi: 10.1371/journal.pone.0104562.

[219]

D. S. N. Van Leeuwen, 'The Spandrels of Self-Deception: Prospects for a Biological Theory of a Mental Phenomenon', *Philosophical Psychology*, vol. 20, no. 3, pp. 329–348, 2007, doi: 10.1080/09515080701197148.

[220]

A. R. Mele, 'Real self-deception', *Behavioral and Brain Sciences*, vol. 20, no. 1, pp. 91–102, 1997, doi: 10.1017/S0140525X97000034.

[221]

R. Kurzban, *Why Everyone (Else) Is a Hypocrite: Evolution and the Modular Mind*. Princeton, New Jersey: Princeton University Press, 2012.

[222]

R. Kurzban, *Why Everyone (Else) Is a Hypocrite: Evolution and the Modular Mind*. 2010 [Online]. Available: <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=664599>

[223]

P. Johansson, L. Hall, S. Sikström, and A. Olsson, 'Failure to Detect Mismatches Between Intention and Outcome in a Simple Decision Task', *Science*, vol. 310, no. 5745, pp. 116–119, 2005 [Online]. Available: <https://www.jstor.org/stable/3842875>

[224]

R. McKay, 'Isn't it ironic? A review of "Why Everyone (Else) is a Hypocrite: Evolution and the Modular Mind"', *Evolution and Human Behavior*, vol. 32, no. 6, pp. 444–446, 2011, doi: 10.1016/j.evolhumbehav.2011.04.005.

[225]

B. M. Tappin, L. van der Leer, and R. T. McKay, 'The Heart Trumps the Head: Desirability Bias in Political Belief Revision.', *Journal of Experimental Psychology: General*, vol. 146, no. 8, pp. 1143–1149, 2017, doi: 10.1037/xge0000298.

[226]

L. van der Leer and R. McKay, 'The Optimist Within? Selective Sampling and Self-Deception', *Consciousness and Cognition*, vol. 50, pp. 23–29, 2017, doi: 10.1016/j.concog.2016.07.005.

[227]

Y. Nir and G. Tononi, 'Dreaming and the brain: from phenomenology to neurophysiology', *Trends in Cognitive Sciences*, vol. 14, no. 2, pp. 88–100, Feb. 2010, doi: 10.1016/j.tics.2009.12.001.

[228]

M. Dresler et al., 'Neural Correlates of Dream Lucidity Obtained from Contrasting Lucid versus Non-Lucid REM Sleep: A Combined EEG/fMRI Case Study', *Sleep*, vol. 35, no. 7, pp. 1017–1020, Jul. 2012, doi: 10.5665/sleep.1974.

[229]

S. M. Southwick et al., 'Relationship of Enhanced Norepinephrine Activity During Memory

Consolidation to Enhanced Long-Term Memory in Humans', *American Journal of Psychiatry*, vol. 159, no. 8, pp. 1420–1422, Aug. 2002, doi: 10.1176/appi.ajp.159.8.1420.

[230]

R. Stickgold, 'Replaying the Game: Hypnagogic Images in Normals and Amnesics', *Science*, vol. 290, no. 5490, pp. 350–353, Oct. 2000, doi: 10.1126/science.290.5490.350.

[231]

F. Siclari et al., 'The neural correlates of dreaming', *Nature Neuroscience*, vol. 20, no. 6, pp. 872–878, Jun. 2017, doi: 10.1038/nn.4545.

[232]

J. A. Hobson, E. F. Pace-Schott, and R. Stickgold, 'Dreaming and the brain: Toward a cognitive neuroscience of conscious states', *Behavioral and Brain Sciences*, vol. 23, no. 6, pp. 793–842, Dec. 2000, doi: 10.1017/S0140525X00003976.

[233]

J. A. Hobson, 'REM sleep and dreaming: towards a theory of protoconsciousness', *Nature Reviews Neuroscience*, vol. 10, no. 11, pp. 803–813, Nov. 2009, doi: 10.1038/nrn2716.

[234]

M. Solms, 'Dreaming and REM sleep are controlled by different brain mechanisms', *Behavioral and Brain Sciences*, vol. 23, no. 6, pp. 843–850, Dec. 2000, doi: 10.1017/S0140525X00003988.

[235]

Mark Solms, 'Freud Returns', *Scientific American*, vol. 290, no. 5, 2004 [Online]. Available: https://www.jstor.org/stable/26047718?seq=1#metadata_info_tab_contents

[236]

'Freudian dream theory today | The Psychologist'. [Online]. Available:

<https://thepsychologist.bps.org.uk/volume-13/edition-12/freudian-dream-theory-today-0>

[237]

A. Revonsuo, 'The reinterpretation of dreams: An evolutionary hypothesis of the function of dreaming', *Behavioral and Brain Sciences*, vol. 23, no. 6, pp. 877–901, Dec. 2000, doi: 10.1017/S0140525X00004015.

[238]

KATJA VALLI and ANTTI REVONSUO, 'The threat simulation theory in light of recent empirical evidence: A review', *The American Journal of Psychology*, vol. 122, no. 1, 2009 [Online]. Available: https://www.jstor.org/stable/27784372?seq=1#metadata_info_tab_contents

[239]

K. Valli, T. Strandholm, L. Sillanmäki, and A. Revonsuo, 'Dreams are more negative than real life: Implications for the function of dreaming', *Cognition & Emotion*, vol. 22, no. 5, pp. 833–861, Aug. 2008, doi: 10.1080/02699930701541591.

[240]

K. Valli, A. Revonsuo, O. Pälkäs, K. H. Ismail, K. J. Ali, and R.-L. Punamäki, 'The threat simulation theory of the evolutionary function of dreaming: Evidence from dreams of traumatized children', *Consciousness and Cognition*, vol. 14, no. 1, pp. 188–218, Mar. 2005, doi: 10.1016/S1053-8100(03)00019-9.

[241]

Revonsuo, Antti, 'The Avatars in the Machine: Dreaming as a Simulation of Social Reality', doi: 10.15502/9783958570375. [Online]. Available: <https://open-mind.net/papers/the-avatars-in-the-machine-dreaming-as-a-simulation-of-social-reality>