

# Publications for Alexander Holcombe

## 2018

Ransley, K., Goodbourn, P., Nguyen, E., Moustafa, A., Holcombe, A. (2018). Reading Direction Influences Lateral Biases in Letter Processing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 44(10), 1678-1686. <a href="http://dx.doi.org/10.1037/xlm0000540">[More Information]</a>

Miller, K., Holcombe, A., Latham, A. (2018). Temporal phenomenology: phenomenological illusion versus cognitive error. *Synthese*. <a href="http://dx.doi.org/10.1007/s11229-018-1730-y">[More Information]</a>

Ngiam, W., Khaw, K., Holcombe, A., Goodbourn, P. (2018). Visual working memory for letters varies with familiarity but not complexity. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. <a href="http://dx.doi.org/10.1037/xlm0000682">[More Information]</a>

## 2017

Holcombe, A., Nguyen, E., Goodbourn, P. (2017). Implied Reading Direction and Prioritization of Letter Encoding. *Journal of Experimental Psychology: General*, 146(10), 1420-1437. <a href="http://dx.doi.org/10.1037/xge0000357">[More Information]</a>

## 2016

Holcombe, A., Brown, N., Goodbourn, P., Etz, A., Geukes, S. (2016). Does sadness impair color perception? Flawed evidence and faulty methods. *F1000Research*, 5, 1-9. <a href="http://dx.doi.org/10.12688/f1000research.9202.1">[More Information]</a>

Holcombe, A. (2016). Introduction to a Registered Replication Report on Ego Depletion. *Perspectives on Psychological Science*, 11(4), 545-545. <a href="http://dx.doi.org/10.1177/1745691616652871">[More Information]</a>

Holcombe, A. (2016). Introduction to the Registered Replication Report: Hart & Albarracán (2011). *Perspectives on Psychological Science*, 11(1), 156-157. <a href="http://dx.doi.org/10.1177/1745691615625899">[More Information]</a>

Goodbourn, P., Martini, P., Barnett-Cowan, M., Harris, I., Livesey, E., Holcombe, A. (2016). Reconsidering Temporal Selection in the Attentional Blink. *Psychological Science*, 27(8), 1146-1156. <a href="http://dx.doi.org/10.1177/0956797616654131">[More Information]</a>

McIntyre, S., Birznieks, I., Vickery, R., Holcombe, A., Seizova-Cajic, T. (2016). The tactile motion aftereffect suggests an intensive code for speed in neurons sensitive to both speed and direction of motion. *Journal of Neurophysiology*, 115(3), 1703-1712. <a href="http://dx.doi.org/10.1152/jn.00460.2015">[More Information]</a>

McIntyre, S., Seizova-Cajic, T., Holcombe, A. (2016). The tactile speed aftereffect depends on the speed of adapting motion across the skin, rather than other spatio-temporal features. *Journal of Neurophysiology*, 15(3), 1112-1121. <a href="http://dx.doi.org/10.1152/jn.00821.2014">[More Information]</a>

## 2015

Goodbourn, P., Holcombe, A. (2015). Pseudoextinction: Asymmetries in simultaneous attentional selection. *Journal of Experimental Psychology: Human Perception and Performance*, 41(2), 364-384. <a href="http://dx.doi.org/10.1037/a0038734">[More Information]</a>

Cellini, N., Goodbourn, P., McDevitt, E., Martini, P., Holcombe, A., Mednick, S. (2015). Sleep after practice reduces the attentional blink. *Attention, Perception, and Psychophysics*, 77, 1945-1954. <a href="http://dx.doi.org/10.3758/s13414-015-0912-7">[More Information]</a>

Holcombe, A. (2015). The temporal organisation of perception. In Johan Wagemans (Eds.), *The Oxford Handbook of Perceptual Organization*, (pp. 820-839). Oxford: Oxford University Press. <a href="http://dx.doi.org/10.1093/oxfordhb/9780199686858.013.057">[More Information]</a>

## 2014

McIntyre, S., Seizova-Cajic, T., Birznieks, I., Holcombe, A., Vickery, R. (2014). Adaptation to Motion Presented with a Tactile Array. *Lecture Notes in Computer Science (LNCS)*, 8618, 351-359. <a href="http://dx.doi.org/10.1007/978-3-662-44193-0\_44">[More Information]</a>

Simons, D., Holcombe, A., Spellman, B. (2014). An Introduction to Registered Replication Reports at Perspectives on Psychological Science. *Perspectives on Psychological Science*, 9(5), 552-555. <a href="http://dx.doi.org/10.1177/1745691614543974">[More Information]</a>

Holcombe, A. (2014). Are There Cracks in the Facade of Continuous Visual Experience? In Valtteri Arstila, Dan Lloyd (Eds.), *Subjective Time: The Philosophy, Psychology, and Neuroscience of Temporality*, (pp. 179-198). Cambridge: The MIT Press.

Linares, D., Holcombe, A. (2014). Differences in perceptual latency estimated from judgments of temporal order, simultaneity and duration are inconsistent. *i-Perception*, 5(6), 559-571. <a href="http://dx.doi.org/10.1068/i0675">[More Information]</a>

Lo, S., Holcombe, A. (2014). How do we select multiple features? Transient costs for selecting two colors rather than one, persistent costs for color-location conjunctions. *Attention, Perception, and Psychophysics*, 76(2), 304-321. <a href="http://dx.doi.org/10.3758/s13414-013-0573-3">[More Information]</a>

Stiefel, K., Holcombe, A. (2014). Neurocomputation and Coding in the Claustrum: Comparisons with the Pulvinar. In John R. Smythies, Lawrence R. Edelman, Vilayanur S. Ramachandran (Eds.), *The Claustrum: Structural, Functional, and Clinical Neuroscience*, (pp. 193-207). San Diego: Elsevier. <a href="http://dx.doi.org/10.1016/B978-0-12-404566-8.00006-4">[More Information]</a>

Holcombe, A., Chen, W., Howe, P. (2014). Object tracking:

Absence of long-range spatial interference supports resource theories. *Journal of Vision*, 14(6), 1-21. <a href="http://dx.doi.org/10.1167/14.6.1">[More Information]</a>

Stiefel, K., Merrifield, A., Holcombe, A. (2014). The claustrum's proposed role in consciousness is supported by the effect and target localization of *Salvia divinorum*. *Frontiers in integrative neuroscience*, 8(FEB), 1-7. <a href="http://dx.doi.org/10.3389/fnint.2014.00020">[More Information]</a>

## 2013

Maruya, K., Holcombe, A., Nishida, S. (2013). Rapid encoding of relationships between spatially remote motion signals. *Journal of Vision*, 13(2), 1-20. <a href="http://dx.doi.org/10.1167/13.2.4">[More Information]</a>

Chen, W., Howe, P., Holcombe, A. (2013). Resource demands of object tracking and differential allocation of the resource. *Attention, Perception, and Psychophysics*, 75(4), 710-725. <a href="http://dx.doi.org/10.3758/s13414-013-0425-1">[More Information]</a>

Holcombe, A., Chen, W. (2013). Splitting attention reduces temporal resolution from 7 Hz for tracking one object to (less than) 3 Hz when tracking three. *Journal of Vision*, 13(1), 1-19. <a href="http://dx.doi.org/10.1167/13.1.12">[More Information]</a>

Howe, P., Holcombe, A., Lapierre, M., Cropper, S. (2013). Visually tracking and localizing expanding and contracting objects. *Perception*, 42(12), 1281-1300. <a href="http://dx.doi.org/10.1068/p7635">[More Information]</a>

## 2012

Saiki, J., Holcombe, A. (2012). Blindness to a simultaneous change of all elements in a scene, unless there is a change in summary statistics. *Journal of Vision*, 12(3), 1-11. <a href="http://dx.doi.org/10.1167/12.3.2">[More Information]</a>

Holcombe, A., Chen, W. (2012). Exhausting attentional tracking resources with a single fast-moving object. *Cognition*, 123(2), 218-228. <a href="http://dx.doi.org/10.1016/j.cognition.2011.10.003">[More Information]</a>

Holcombe, A., Clifford, C. (2012). Failures to bind spatially coincident features: comment on Di Lollo. *Trends in Cognitive Sciences*, 18(8). <a href="http://dx.doi.org/10.1016/j.tics.2012.06.011">[More Information]</a>

Lo, S., Howard, C., Holcombe, A. (2012). Feature-based attentional interference revealed in perceptual errors and lags. *Vision Research*, 63(2012), 20-33. <a href="http://dx.doi.org/10.1016/j.visres.2012.04.021">[More Information]</a>

Howe, P., Holcombe, A. (2012). Motion information is sometimes used as an aid to the visual tracking of objects. *Journal of Vision*, 12(13), 1-10. <a href="http://dx.doi.org/10.1167/12.13.10">[More Information]</a>

Holcombe, A. (2012), *Spread the word: Scientists are tearing down publishers' walls.*

McIntyre, S., Holcombe, A., Birznieks, I., Seizova-Cajic, T. (2012). Tactile Motion Adaptation Reduces Perceived Speed but Shows No Evidence of Direction Sensitivity. *PLoS One*,

7(9), 1-12. <a href="http://dx.doi.org/10.1371/journal.pone.0045438">[More Information]</a>

Howe, P., Holcombe, A. (2012). The effect of visual distinctiveness on multiple object tracking performance. *Frontiers in Psychology*, 3(AUG), 1-7. <a href="http://dx.doi.org/10.3389/fpsyg.2012.00307">[More Information]</a>

## 2011

Holcombe, A., Linares, D., Vaziri-Pashkam, M. (2011). Perceiving spatial relationships via attentional tracking and shifting. *Current Biology*, 21(13), 1135-1139. <a href="http://dx.doi.org/10.1016/j.cub.2011.05.031">[More Information]</a>

Howard, C., Masom, D., Holcombe, A. (2011). Position representations lag behind targets in multiple object tracking. *Vision Research*, 51(17), 1907-1919. <a href="http://dx.doi.org/10.1016/j.visres.2011.07.001">[More Information]</a>

## 2010

Holcombe, A., Pashler, H. (2010). Online Evidence Charts To Help Students Systematically Evaluate Theories And Evidence. *16th UniServe Science Annual Conference 2010*, Sydney: University of Sydney.

Howard, C., Holcombe, A. (2010). Unexpected changes in direction of motion attract attention. *Attention, Perception, and Psychophysics*, 72(8), 2087-2095. <a href="http://dx.doi.org/10.3758/APP.72.8.2087">[More Information]</a>

## 2009

Holcombe, A., Altschuler, E., Over, H. (2009). A developmental theory of synaesthesia, with long historical roots: A comment on Hochel & MilÅ;n (2008). *Cognitive Neuropsychology*, 26(2), 227-229. <a href="http://dx.doi.org/10.1080/02643290802405601">[More Information]</a>

Holcombe, A. (2009). Seeing slow and seeing fast: two limits on perception. *Trends in Cognitive Sciences*, 13(5), 216-221. <a href="http://dx.doi.org/10.1016/j.tics.2009.02.005">[More Information]</a>

Holcombe, A. (2009). Temporal binding favours the early phase of colour changes, but not of motion changes, yielding the colour-motion asynchrony illusion. *Visual Cognition*, 17(1-2), 232-253. <a href="http://dx.doi.org/10.1080/13506280802340653">[More Information]</a>

Linares-Herreros, D., Holcombe, A., White, A. (2009). Where is the moving object now? Judgements of instantaneous position show poor temporal precision (SD = 70 ms). *Journal of Vision*, 9(13), 9-1-9-14. <a href="http://dx.doi.org/10.1167/9.13.9">[More Information]</a>

## 2008

Holcombe, A., Seizova-Cajic, T. (2008). Illusory motion reversals from unambiguous motion with visual, proprioceptive, and tactile stimuli. *Vision Research*, 48, 1743-1757. <a href="http://dx.doi.org/10.1016/j.visres.2008.05.019">[More Information]</a>

Holcombe, A., Cavanagh, P. (2008). Independent, synchronous access to color and motion features. *Cognition*, 107, 552-580. <a href="http://dx.doi.org/10.1016/j.cognition.2008.05.019">[More Information]</a>

<http://dx.doi.org/10.1016/j.cognition.2007.11.006>>[More Information]</a>

Cavanagh, P., Holcombe, A., Chou, W. (2008). Mobile computation: Spatiotemporal integration of the properties of objects in motion. *Journal of Vision*, 8(12), 1-23. <a href="http://dx.doi.org/10.1167/8.12.1">[More Information]</a>

Sumner, P., Holcombe, A., Grayson, L., Briscoe, J. (2008). Multisensory processing in autism spectrum disorders. *Perception*, 37(6), 965-965.

Linares-Herreros, D., Holcombe, A. (2008). Position perception: Influence of motion with displacement dissociated from the influence of motion alone. *Journal of Neurophysiology*, 100, 2472-2476. <a href="http://dx.doi.org/10.1152/jn.90682.2008">[More Information]</a>

Howard, C., Holcombe, A. (2008). Tracking the changing features of multiple objects: Progressively poorer perceptual precision and progressively greater perceptual lag. *Vision Research*, 48, 1164-1180. <a href="http://dx.doi.org/10.1016/j.visres.2008.01.023">[More Information]</a>

White, A., Linares-Herreros, D., Holcombe, A. (2008). Visuomotor timing compensates for changes in perceptual latency. *Current Biology*, 18(20), R951-R953. <a href="http://dx.doi.org/10.1016/j.cub.2008.08.022">[More Information]</a>

## 2007

Holcombe, A. (2007). Ancient history of sexual arousal and alcohol. *World Congress for Sexual Health, Sydney, Australia*.

Cavanagh, P., Holcombe, A. (2007). Non-retinotopic crowding. *Vision Sciences Society*.

Holcombe, A., Judson, J. (2007). Visual binding of English and Chinese word parts is limited to low temporal frequencies. *Perception*, 36(1), 49-74. <a href="http://dx.doi.org/10.1068/p5582">[More Information]</a>

## 2006

Holcombe, A., Cavanagh, P. (2006). Apparent asynchrony between the perception of color and motion: An issue of different latencies or of attention? *Vision Sciences Society*.

Grayson, L., Holcombe, A., Briscoe, J. (2006). Broader Autistic Phenotype, weak central coherence and perceptual causality. *European Conference for Visual Perception, St. Petersburg, Russia*.

Howard, C., Holcombe, A. (2006). Progressively poorer perceptual precision and progressively greater perceptual lag: Tracking the changing features of one, two and four objects. *Vision Sciences Society*.

Holcombe, A. (2006). Provoking the desire. *The Lancet*, 368(9540), 990. <a href="http://dx.doi.org/10.1016/S0140-6736(06)69415-4">[More Information]</a>

Cavanagh, P., Holcombe, A. (2006). Successive rivalry does not occur without attention. *Vision Sciences Society*.

## 2005

Cavanagh, P., Holcombe, A. (2005). Distinguishing pre-selection from post-selection processing limits using a moving window of selection. *Vision Sciences Society*.

Kline, K., Holcombe, A., Eagleman, D. (2005). Illusory motion reversal does not imply discrete processing: Reply to Rojas et

al. *Vision Research*, 46(6-7), 1158-1159. <a href="http://dx.doi.org/10.1016/j.visres.2005.08.021">[More Information]</a>

Holcombe, A., Clifford, C., Eagleman, D., Pakarian, P. (2005). Illusory motion reversal in tune with motion detectors. *Trends in Cognitive Sciences*, 9(12), 559-560. <a href="http://dx.doi.org/10.1016/j.tics.2005.10.009">[More Information]</a>

Howard, C., Holcombe, A. (2005). Limits on continuous monitoring of the features of multiple objects. *XXVIII Annual Meeting: European Conference on Visual Perception*. Pion Ltd.

Holcombe, A., Over, H., Altschuler, E. (2005). Old roots of a theory of synesthesia in Rousseau's Emile and Mary Shelley's Frankenstein. *Society for Neuroscience, San Diego, California*.

Grayson, L., Briscoe, J., Holcombe, A. (2005). Perceptual reversal of ambiguous figures: How do children with ASD respond under non-directed conditions? *British Psychological Society Developmental Conference, Edinburgh, Scotland*.

Kline, K., Holcombe, A., Eagleman, D. (2005). The visual system does not take global snapshots of the visual field. *Vision Sciences Society*.

Eagleman, D., Tse, P., Buonomano, D., Janssen, P., Nobre, A., Holcombe, A. (2005). Time and the Brain: How Subjective Time Relates to Neural Time. *Journal of Neuroscience*, 25(45), 10369-10371. <a href="http://dx.doi.org/10.1523/JNEUROSCI.3487-05.2005">[More Information]</a>

## 2004

Horowitz, T., Holcombe, A., Wolfe, J., Arsenio, H., DiMase, J. (2004). Attentional pursuit is faster than attentional saccade. *Journal of Vision*, 4(7), 585-603. <a href="http://dx.doi.org/10.1167/4.7.6">[More Information]</a>

Kline, K., Holcombe, A., Eagleman, D. (2004). Illusory motion reversal is caused by rivalry, not by perceptual snapshots of the visual field. *Vision Research*, 44(23), 2653-2658. <a href="http://dx.doi.org/10.1016/j.visres.2004.05.030">[More Information]</a>

Holcombe, A., MacLeod, D., Mitten, S. (2004). Positive afterimages caused by a filled-in representation. *Holcombe. Vision Sciences Society*.

Clifford, C., Holcombe, A., Pearson, J. (2004). Rapid Global Form Binding With Loss Of Associated Colors. *Journal of Vision*, 4(12), 1090-1101. <a href="http://dx.doi.org/10.1167/4.12.8">[More Information]</a>

Huang, L., Holcombe, A., Pashler, H. (2004). Repetition priming in visual search: Episodic retrieval, not feature priming. *Memory and Cognition*, 32(1), 12-20. <a href="http://dx.doi.org/10.3758/BF03195816">[More Information]</a>

## 2003

Eagleman, D., Holcombe, A. (2003). Improving science through online commentary: The Internet offers a timely opportunity to widen, and reduce delays in, scientific debate. *Nature*, 423(6935), 15. <a href="http://dx.doi.org/10.1038/423015a">[More Information]</a>

Holcombe, A. (2003). Occlusion cues resolve sudden onsets into morphing or line motion, disocclusion, and sudden materialization. *Journal of Vision*, 3(8), 562-572. <a href="http://dx.doi.org/10.1167/3.8.4">[More Information]</a>

Holcombe, A. (2003). Perceptual binding of letters into a word is low temporal resolution. *Vision Sciences Society*.

Clifford, C., Holcombe, A., Pearson, J. (2003). Temporal limitations on extracting global form and binding it with local colour. *European Conference On Visual Perception, Paris, France*.

## **2002**

Eagleman, D., Holcombe, A. (2002). Causality and the perception of time. *Trends in Cognitive Sciences*, 6(8), 323-325.

## **2001**

Holcombe, A. (2001). A purely temporal transparency mechanism in the visual system. *Perception*, 30(11), 1311-1320.

Holcombe, A., Cavanagh, P. (2001). Early binding of feature pairs for visual perception. *Nature Neuroscience*, 4(2), 127-128. [\[More Information\]](http://dx.doi.org/10.1038/83945)

Holcombe, A., Kanwisher, N., Treisman, A. (2001). The midstream order deficit. *Perception and Psychophysics*, 63(2), 322-329.