

# Alan Johnston

## List of Publications by Year in descending order

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Version: 2024-02-01

131  
papers

3,526  
citations

186265

28  
h-index

155660

55  
g-index

134  
all docs

134  
docs citations

134  
times ranked

2096  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Spatially Localized Distortions of Event Time. <i>Current Biology</i> , 2006, 16, 472-479.   | 3.9  | 316       |
| 2  | Categorizing sex and identity from the biological motion of faces. <i>Current Biology</i> , 2001, 11, 880-885.   | 3.9  | 201       |
| 3  | Recognising Faces: Effects of Lighting Direction, Inversion, and Brightness Reversal. <i>Perception</i> , 1992, 21, 365-375.   | 1.2  | 200       |
| 4  | The Role of Movement in Face Recognition. <i>Visual Cognition</i> , 1997, 4, 265-273.  | 1.6  | 196       |
| 5  | Influence of motion signals on the perceived position of spatial pattern. <i>Nature</i> , 1999, 397, 610-612.  | 27.8 | 190       |
| 6  | Marker Correspondence, Not Processing Latency, Determines Temporal Binding of Visual Attributes. <i>Current Biology</i> , 2002, 12, 359-368.   | 3.9  | 168       |
| 7  | A computational model of the analysis of some first-order and second-order motion patterns by simple and complex cells. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1992, 250, 297-306. | 2.6  | 130       |
| 8  | Visual search for a target changing in synchrony with an auditory signal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 865-874.   | 2.6  | 73        |
| 9  | Temporal dependence of local motion induced shifts in perceived position. <i>Vision Research</i> , 2004, 44, 357-366.  | 1.4  | 71        |
| 10 | Retinotopic adaptation-based visual duration compression. <i>Journal of Vision</i> , 2010, 10, 30-30.  | 0.3  | 64        |
| 11 | Robust velocity computation from a biologically motivated model of motion perception. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 509-518.                                   | 2.6  | 63        |
| 12 | Time perception: Brain time or event time?. <i>Current Biology</i> , 2001, 11, R427-R430.  | 3.9  | 62        |
| 13 | The spatial tuning of adaptation-based time compression. <i>Journal of Vision</i> , 2009, 9, 2-2.  | 0.3  | 62        |
| 14 | The Hollow-Face Illusion: Object-Specific Knowledge, General Assumptions or Properties of the Stimulus?. <i>Perception</i> , 2007, 36, 199-223.  | 1.2  | 58        |
| 15 | Spatial scaling of central and peripheral contrast-sensitivity functions. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1987, 4, 1583.                          | 1.5  | 56        |
| 16 | Timing sight and sound. <i>Vision Research</i> , 2005, 45, 1275-1284.  | 1.4  | 56        |
| 17 | Visually-based temporal distortion in dyslexia. <i>Vision Research</i> , 2008, 48, 1852-1858.  | 1.4  | 54        |
| 18 | Facial Self-Imitation. <i>Psychological Science</i> , 2013, 24, 93-98.   | 3.3  | 49        |

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|----|--|------|-----------|
| 19 | Shape from Shading. I: Surface Curvature and Orientation. Perception, 1994, 23, 169-189.   | 1.2  | 47        |
| 20 | Motion and position coding. Vision Research, 2007, 47, 2403-2410.  | 1.4  | 47        |
| 21 | Recognising Faces: Effects of Lighting Direction, Inversion, and Brightness Reversal. Perception, 2013, 42, 1227-1237.                       | 1.2  | 46        |
| 22 | Pupil dilation as an index of preferred mutual gaze duration. Royal Society Open Science, 2016, 3, 160086.                                   | 2.4  | 45        |
| 23 | Visual Motion Induces a Forward Prediction of Spatial Pattern. Current Biology, 2011, 21, 740-745.   | 3.9  | 42        |
| 24 | Independent encoding of surface orientation and surface curvature. Vision Research, 1994, 34, 3005-3012.                                     | 1.4  | 33        |
| 25 | Motion signal and the perceived positions of moving objects. Journal of Vision, 2007, 7, 1.  | 0.3  | 33        |
| 26 | The effect of Illuminant position on perceived curvature. Vision Research, 1996, 36, 1399-1410.  | 1.4  | 31        |
| 27 | Inverse perspective mapping and optic flow: A calibration method and a quantitative analysis. Image and Vision Computing, 2006, 24, 153-165. | 4.5  | 30        |
| 28 | Performance of three recursive algorithms for fast space-variant Gaussian filtering. Real Time Imaging, 2003, 9, 215-228.                    | 1.6  | 29        |
| 29 | Effect of the luminance signal on adaptation-based time compression. Journal of Vision, 2011, 11, 22-22.                                     | 0.3  | 28        |
| 30 | Motion-induced spatial conflict. Nature, 2003, 425, 181-184.   | 27.8 | 27        |
| 31 | Exploring expression space: Adaptation to orthogonal and anti-expressions. Journal of Vision, 2011, 11, 2-2.                                 | 0.3  | 27        |
| 32 | Induced motion at texture-defined motion boundaries. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 2441-2450.          | 2.6  | 26        |
| 33 | Comparing Solid-Body with Point-Light Animations. Perception, 2003, 32, 561-566.   | 1.2  | 26        |
| 34 | Motion as a cue for viewpoint invariance. Visual Cognition, 2005, 12, 1291-1308.   | 1.6  | 26        |
| 35 | A new approach to analysing texture-defined motion. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2435-2443.           | 2.6  | 24        |
| 36 | Tactile duration compression by vibrotactile adaptation. NeuroReport, 2010, 21, 856-860.   | 1.2  | 24        |

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|----|---|-----|-----------|
| 37 | Latency differences and the flash-lag effect. <i>Vision Research</i> , 2003, 43, 1829-1835.   | 1.4 | 23        |
| 38 | Integration of shading and texture cues: Testing the linear model. <i>Vision Research</i> , 1994, 34, 1863-1874.  | 1.4 | 22        |
| 39 | Motion transparency arises from perceptual grouping: evidence from luminance and contrast modulation motion displays. <i>Current Biology</i> , 1996, 6, 1343-1346.  | 3.9 | 22        |
| 40 | A spatial property of the retino-cortical mapping. <i>Spatial Vision</i> , 1986, 1, 319-331.  | 1.4 | 21        |
| 41 | Computational modeling of non-Fourier motion: further evidence for a single luminance-based mechanism. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001, 18, 2204. | 1.5 | 20        |
| 42 | Infants' Discrimination of Faces by Using Biological Motion Cues. <i>Perception</i> , 2006, 35, 79-89.  | 1.2 | 19        |
| 43 | Two mechanisms underlying the effect of angle of motion direction change on colour motion asynchrony. <i>Vision Research</i> , 2007, 47, 687-705.   | 1.4 | 19        |
| 44 | Contrast gain shapes visual time. <i>Frontiers in Psychology</i> , 2010, 1, 170.  | 2.1 | 19        |
| 45 | Impaired Perception of Facial Motion in Autism Spectrum Disorder. <i>PLoS ONE</i> , 2014, 9, e102173.   | 2.5 | 19        |
| 46 | Effects of Temporal Features and Order on the Apparent duration of a Visual Stimulus. <i>Frontiers in Psychology</i> , 2012, 3, 90.   | 2.1 | 18        |
| 47 | An Adaptable Metric Shapes Perceptual Space. <i>Current Biology</i> , 2016, 26, 1911-1915.  | 3.9 | 18        |
| 48 | Suboptimal human multisensory cue combination. <i>Scientific Reports</i> , 2019, 9, 5155.   | 3.3 | 18        |
| 49 | Early Cognitive Vision: Using Gestalt-Laws for Task-Dependent, Active Image-Processing. <i>Natural Computing</i> , 2004, 3, 293-321.  | 3.0 | 17        |
| 50 | Range- and domain-specific exaggeration of facial speech. <i>Journal of Vision</i> , 2005, 5, 4.  | 0.3 | 17        |
| 51 | Self-recognition of avatar motion: how do I know it's me?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 669-674.   | 2.6 | 17        |
| 52 | The geometry of the topographic map in striate cortex. <i>Vision Research</i> , 1989, 29, 1493-1500.  | 1.4 | 16        |
| 53 | Motion-direction specificity for adaptation-induced duration compression depends on temporal frequency. <i>Journal of Vision</i> , 2013, 13, 19-19.   | 0.3 | 16        |
| 54 | A MULTI-DIFFERENTIAL NEUROMORPHIC APPROACH TO MOTION DETECTION. <i>International Journal of Neural Systems</i> , 1999, 09, 429-434.   | 5.2 | 15        |

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|----|---|-----|-----------|
| 55 | Computational modelling of interleaved first- and second-order motion sequences and translating 3f+4f beat patterns. <i>Vision Research</i> , 2000, 40, 1135-1142.      | 1.4 | 14        |
| 56 | How Different is Different? Criterion and Sensitivity in Face-Space. <i>Frontiers in Psychology</i> , 2011, 2, 41.  | 2.1 | 14        |
| 57 | Duration Judgments Over Multiple Elements. <i>Frontiers in Psychology</i> , 2012, 3, 459.   | 2.1 | 14        |
| 58 | Occipital alpha-band brain waves when the eyes are closed are shaped by ongoing visual processes. <i>Scientific Reports</i> , 2022, 12, 1194.                           | 3.3 | 14        |
| 59 | Motion-induced position shifts in global dynamic Gabor arrays. <i>Journal of Vision</i> , 2009, 9, 8-8.   | 0.3 | 13        |
| 60 | Retinotopic selectivity of adaptation-based compression of event duration: Reply to Burr, Cicchini, Arrighi, and Morrone. <i>Journal of Vision</i> , 2011, 11, 21a-21a. | 0.3 | 13        |
| 61 | Changes in apparent duration follow shifts in perceptual timing. <i>Journal of Vision</i> , 2015, 15, 2.  | 0.3 | 13        |
| 62 | Shape from Shading. II. Geodesic Bisection and Alignment. <i>Perception</i> , 1994, 23, 191-200.  | 1.2 | 12        |
| 63 | The visual processing of motion-defined transparency. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 1049-1057.                            | 2.6 | 12        |
| 64 | Identifying regions that carry the best information about global facial configurations. <i>Journal of Vision</i> , 2010, 10, 27-27.                                     | 0.3 | 12        |
| 65 | Three-dimensional Curvature Contrast—Geometric or Brightness Illusion?. <i>Vision Research</i> , 1996, 36, 3641-3653.   | 1.4 | 11        |
| 66 | Moving from spatially segregated to transparent motion: a modelling approach. <i>Biology Letters</i> , 2006, 2, 101-105.  | 2.3 | 11        |
| 67 | Global motion coherence can influence the representation of ambiguous local motion. <i>Journal of Vision</i> , 2011, 11, 6-6.   | 0.3 | 11        |
| 68 | Object Constancy in Face Processing: Intermediate Representations and Object Forms. <i>Irish Journal of Psychology</i> , 1992, 13, 426-439.                             | 0.2 | 10        |
| 69 | When Texture Takes Precedence over Motion in Depth Perception. <i>Perception</i> , 2000, 29, 437-452.   | 1.2 | 10        |
| 70 | Bimodal sensory discrimination is finer than dual single modality discrimination. <i>Journal of Vision</i> , 2007, 7, 14.   | 0.3 | 10        |
| 71 | Alpha band amplification during illusory jitter perception. <i>Journal of Vision</i> , 2008, 8, 3-3.  | 0.3 | 10        |
| 72 | Investigating Shape-from-shading Illusions Using Solid Objects. <i>Vision Research</i> , 1996, 36, 2827-2835.   | 1.4 | 9         |

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|----|--|-----|-----------|
| 73 | Motion of contrast envelopes: peace and noise. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001, 18, 2237.  | 1.5 | 9         |
| 74 | Motion drag induced by global motion Gabor arrays. <i>Journal of Vision</i> , 2010, 10, 14-14.   | 0.3 | 9         |
| 75 | Biologically inspired framework for spatial and spectral velocity estimations. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011, 28, 713.                         | 1.5 | 9         |
| 76 | An absolute interval scale of order for point patterns. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140342.  | 3.4 | 9         |
| 77 | Illusory Feature Slowing. <i>Psychological Science</i> , 2015, 26, 512-517.  | 3.3 | 9         |
| 78 | Golfers May Have to Overcome a Persistent Visuospatial Illusion. <i>Perception</i> , 2003, 32, 1151-1154.  | 1.2 | 8         |
| 79 | Spatially Localized Time Shifts of the Perceptual Stream. <i>Frontiers in Psychology</i> , 2010, 1, 181.   | 2.1 | 8         |
| 80 | Duration expansion at low luminance levels. <i>Journal of Vision</i> , 2011, 11, 13-13.  | 0.3 | 8         |
| 81 | Specificity of attention in the stroop test: An EP study. <i>Biological Psychology</i> , 1982, 15, 75-83.  | 2.2 | 7         |
| 82 | The Role of the Harmonic Vector Average in Motion Integration. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 146.  | 2.1 | 7         |
| 83 | Temporal synchrony is an effective cue for grouping and segmentation in the absence of form cues. <i>Journal of Vision</i> , 2016, 16, 23.   | 0.3 | 7         |
| 84 | Judging Political Affiliation from Faces of UK MPs. <i>Perception</i> , 2011, 40, 949-952.   | 1.2 | 6         |
| 85 | The interrelationship between the face and vocal tract configuration during audiovisual speech. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32791-32798. | 7.1 | 6         |
| 86 | The time marker account of cross-channel temporal judgments. , 0, , 278-300.   |     | 6         |
| 87 | Contrast inconstancy across changes in polarity. <i>Vision Research</i> , 1999, 39, 4076-4084.   | 1.4 | 5         |
| 88 | The detection of the motion of contrast modulation: A parametric study. <i>Attention, Perception, and Psychophysics</i> , 2009, 71, 757-782.   | 1.3 | 5         |
| 89 | Relative faces: Encoding of family resemblance relative to gender means in face space. <i>Journal of Vision</i> , 2011, 11, 8-8.   | 0.3 | 5         |
| 90 | POTS, PIRACY AND AEGILA: HELLENISTIC CERAMICS FROM AN INTENSIVE SURVEY OF ANTIKYTHERA, GREECE. <i>Annual of the British School at Athens</i> , 2012, 107, 247-272.   | 0.5 | 5         |

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|-----|--|-----|-----------|
| 91  | Time order reversals and saccades. <i>Vision Research</i> , 2016, 125, 23-29.  | 1.4 | 5         |
| 92  | Individual differences in first- and second-order temporal judgment. <i>PLoS ONE</i> , 2018, 13, e0191422.   | 2.5 | 5         |
| 93  | Understanding Sensory Induced Hallucinations: From Neural Fields to Amplitude Equations. <i>SIAM Journal on Applied Dynamical Systems</i> , 2021, 20, 1683-1714.     | 1.6 | 5         |
| 94  | Motion induced spatial conflict following binocular integration. <i>Vision Research</i> , 2005, 45, 2934-2942.   | 1.4 | 4         |
| 95  | Synchronous facial action binds dynamic facial features. <i>Scientific Reports</i> , 2021, 11, 7191.   | 3.3 | 4         |
| 96  | An observer model of tilt perception, sensitivity and confidence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211276.              | 2.6 | 4         |
| 97  | A data-driven characterisation of natural facial expressions when giving good and bad news. <i>PLoS Computational Biology</i> , 2020, 16, e1008335.                  | 3.2 | 4         |
| 98  | Masking and color inheritance along the apparent motion path. <i>Journal of Vision</i> , 2012, 12, 18-18.  | 0.3 | 3         |
| 99  | Causality: Perceiving the Causes of Visual Events. <i>Current Biology</i> , 2013, 23, R202-R204.   | 3.9 | 3         |
| 100 | Pupil response hazard rates predict perceived gaze durations. <i>Scientific Reports</i> , 2017, 7, 3969.   | 3.3 | 3         |
| 101 | Time-Order Errors in Duration Judgment Are Independent of Spatial Positioning. <i>Frontiers in Psychology</i> , 2017, 8, 340.  | 2.1 | 3         |
| 102 | Visual crowding is unaffected by adaptation-induced spatial compression. <i>Journal of Vision</i> , 2018, 18, 12.  | 0.3 | 3         |
| 103 | A spatial frequency spectral peakedness model predicts discrimination performance of regularity in dot patterns. <i>Vision Research</i> , 2018, 149, 102-114.        | 1.4 | 3         |
| 104 | Motion integration is anisotropic during smooth pursuit eye movements. <i>Journal of Neurophysiology</i> , 2019, 121, 1787-1797.                                     | 1.8 | 3         |
| 105 | KYTHERAFORTY YEARS ON: THE POTTERY FROM HISTORICAL KASTRI REVISITED. <i>Annual of the British School at Athens</i> , 2014, 109, 3-64.                                | 0.5 | 2         |
| 106 | Asymmetric global motion integration in drifting Gabor arrays. <i>Journal of Vision</i> , 2014, 14, 18-18.   | 0.3 | 2         |
| 107 | Foveal motion standstill. <i>Vision Research</i> , 2017, 134, 1-6.   | 1.4 | 2         |
| 108 | Temporal Order Judgements of Dynamic Gaze Stimuli Reveal a Postdictive Prioritisation of Averted Over Direct Shifts. <i>I-Perception</i> , 2017, 8, 204166951772080. | 1.4 | 2         |

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|-----|---|-----|-----------|
| 109 | Personality Traits Do Not Predict How We Look at Faces. <i>Perception</i> , 2018, 47, 976-984.  | 1.2 | 2         |
| 110 | A color neuromorphic approach for motion estimation. , 2009, , .  |     | 1         |
| 111 | Selective binding of facial features reveals dynamic expression fragments. <i>Scientific Reports</i> , 2018, 8, 9031.   | 3.3 | 1         |
| 112 | Recognising the dynamic form of fire. <i>Scientific Reports</i> , 2021, 11, 10566.  | 3.3 | 1         |
| 113 | Visual predictions, neural oscillations and naïve physics. <i>Scientific Reports</i> , 2021, 11, 16127.   | 3.3 | 1         |
| 114 | The perception and meta-perception of time within and between modalities. <i>Journal of Vision</i> , 2018, 18, 326.   | 0.3 | 1         |
| 115 | LATE ARCHAIC ALPHABETS FROM LE MOLLAIE, ETRURIA. <i>Bulletin of the Institute of Classical Studies</i> , 1984, 31, 115-118.   | 0.0 | 0         |
| 116 | On Archaic Greek orientalingâ€”weird or woolly?. <i>Antiquity</i> , 2001, 75, 889-891.  | 1.0 | 0         |
| 117 | History - (A.) Inglese Thera arcaica. Le iscrizioni rupestri dell' agora degli dei. Tivoli: Tored, 2008. Pp. xix + 525, illus. â„150. 9788888617138.. <i>Journal of Hellenic Studies</i> , 2009, 129, 194-195. | 0.0 | 0         |
| 118 | Function over form. , 2010, , .   |     | 0         |
| 119 | FRAGMENTA BRITANNICA V. AMPHORAS FROM TOP TO BOTTOM. <i>Bulletin of the Institute of Classical Studies</i> , 2016, 59, 46-53.   | 0.0 | 0         |
| 120 | Spatial properties of the adaptation-based compression of perceived distance. <i>Journal of Vision</i> , 2021, 21, 1987.  | 0.3 | 0         |
| 121 | Techniques for Mimicry and Identity Blending Using Morph Space PCA. <i>Lecture Notes in Computer Science</i> , 2013, , 296-307.   | 1.3 | 0         |
| 122 | Lateralisation and binding of dynamic facial features. <i>Journal of Vision</i> , 2017, 17, 1028.   | 0.3 | 0         |
| 123 | Individual differences in the perception of (a bigger) time. <i>Journal of Vision</i> , 2017, 17, 181.  | 0.3 | 0         |
| 124 | Adaptation-induced changes to the â€œintrinsicâ€™ occipital alpha rhythm. <i>Journal of Vision</i> , 2019, 19, 165.   | 0.3 | 0         |
| 125 | Time (The â€œAudiovisual Rulezâ€™™ Remix). <i>Journal of Vision</i> , 2019, 19, 163b.   | 0.3 | 0         |
| 126 | Exploring the Common Mechanisms of Motion-Based Visual Prediction. <i>Frontiers in Psychology</i> , 2022, 13, 827029.   | 2.1 | 0         |



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|-----|---|-----|-----------|
| 127 | A data-driven characterisation of natural facial expressions when giving good and bad news. , 2020, 16, e1008335.   |     | 0         |
| 128 | A data-driven characterisation of natural facial expressions when giving good and bad news. , 2020, 16, e1008335.   |     | 0         |
| 129 | A data-driven characterisation of natural facial expressions when giving good and bad news. , 2020, 16, e1008335.   |     | 0         |
| 130 | A data-driven characterisation of natural facial expressions when giving good and bad news. , 2020, 16, e1008335.   |     | 0         |
| 131 | A PCA-Based Active Appearance Model for Characterising Modes of Spatiotemporal Variation in Dynamic Facial Behaviours. Frontiers in Psychology, 2022, 13, . | 2.1 | 0         |