Alan Johnston

List of Publications by Year
in descending order

131 papers	3,526 citations	185998 28 h-index	155451 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. Current Biology, 2006, 16, 472-479.	1.8	316
2	Categorizing sex and identity from the biological motion of faces. Current Biology, 2001, 11, 880-885.	1.8	201
3	Recognising Faces: Effects of Lighting Direction, Inversion, and Brightness Reversal. Perception, 1992, 21, 365-375.	0.5	200
4	The Role of Movement in Face Recognition. Visual Cognition, 1997, 4, 265-273.	0.9	196
5	Influence of motion signals on the perceived position of spatial pattern. Nature, 1999, 397, 610-612.	13.7	190
6	Marker Correspondence, Not Processing Latency, Determines Temporal Binding of Visual Attributes. Current Biology, 2002, 12, 359-368.	1.8	168
7	A computational model of the analysis of some first-order and second-order motion patterns by simple and complex cells. Proceedings of the Royal Society B: Biological Sciences, 1992, 250, 297-306.	1.2	130
8	Visual search for a target changing in synchrony with an auditory signal. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 865-874.	1.2	73
9	Temporal dependence of local motion induced shifts in perceived position. Vision Research, 2004, 44, 357-366.	0.7	71
10	Retinotopic adaptation-based visual duration compression. Journal of Vision, 2010, 10, 30-30.	0.1	64
11	Robust velocity computation from a biologically motivated model of motion perception. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 509-518.	1.2	63
12	Time perception: Brain time or event time?. Current Biology, 2001, 11, R427-R430.	1.8	62
13	The spatial tuning of adaptation-based time compression. Journal of Vision, 2009, 9, 2-2.	0.1	62
14	The Hollow-Face Illusion: Object-Specific Knowledge, General Assumptions or Properties of the Stimulus?. Perception, 2007, 36, 199-223.	0.5	58
15	Spatial scaling of central and peripheral contrast-sensitivity functions. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1987, 4, 1583.	0.8	56
16	Timing sight and sound. Vision Research, 2005, 45, 1275-1284.	0.7	56
17	Visually-based temporal distortion in dyslexia. Vision Research, 2008, 48, 1852-1858.	0.7	54
18	Facial Self-Imitation. Psychological Science, 2013, 24, 93-98.	1.8	49

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19	Shape from Shading. I: Surface Curvature and Orientation. Perception, 1994, 23, 169-189.	0.5	47
20	Motion and position coding. Vision Research, 2007, 47, 2403-2410.	0.7	47
21	Recognising Faces: Effects of Lighting Direction, Inversion, and Brightness Reversal. Perception, 2013, 42, 1227-1237.	0.5	46
22	Pupil dilation as an index of preferred mutual gaze duration. Royal Society Open Science, 2016, 3, 160086.	1.1	45
23	Visual Motion Induces a Forward Prediction of Spatial Pattern. Current Biology, 2011, 21, 740-745.	1.8	42
24	Independent encoding of surface orientation an surface curvature. Vision Research, 1994, 34, 3005-3012.	0.7	33
25	Motion signal and the perceived positions of moving objects. Journal of Vision, 2007, 7, 1.	0.1	33
26	The effect of Illuminant position on perceived curvature. Vision Research, 1996, 36, 1399-1410.	0.7	31
27	Inverse perspective mapping and optic flow: A calibration method and a quantitative analysis. Image and Vision Computing, 2006, 24, 153-165.	2.7	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.	0.1	28
30	Motion-induced spatial conflict. Nature, 2003, 425, 181-184.	13.7	27
31	Exploring expression space: Adaptation to orthogonal and anti-expressions. Journal of Vision, 2011, 11, 2-2.	0.1	27
32	Induced motion at textureâ€“defined motion boundaries. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 2441-2450.	1.2	26
33	Comparing Solid-Body with Point-Light Animations. Perception, 2003, 32, 561-566.	0.5	26
34	Motion as a cue for viewpoint invariance. Visual Cognition, 2005, 12, 1291-1308.	0.9	26
35	A new approach to analysing texture-defined motion. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2435-2443.	1.2	24
36	Tactile duration compression by vibrotactile adaptation. NeuroReport, 2010, 21, 856-860.	0.6	24

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37	Latency differences and the flash-lag effect. Vision Research, 2003, 43, 1829-1835.	0.7	23
38	Integration of shading and texture cues: Testing the linear model. Vision Research, 1994, 34, 1863-1874.	0.7	22
39	Motion transparency arises from perceptual grouping: evidence from luminance and contrast modulation motion displays. Current Biology, 1996, 6, 1343-1346.	1.8	22
40	A spatial property of the retino-cortical mapping. Spatial Vision, 1986, 1, 319-331.	1.4	21
41	Computational modeling of non-Fourier motion: further evidence for a single luminance-based mechanism. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 2204.	0.8	20
42	Infants' Discrimination of Faces by Using Biological Motion Cues. Perception, 2006, 35, 79-89.	0.5	19
43	Two mechanisms underlying the effect of angle of motion direction change on colourâ€“motion asynchrony. Vision Research, 2007, 47, 687-705.	0.7	19
44	Contrast gain shapes visual time. Frontiers in Psychology, 2010, 1, 170.	1.1	19
45	Impaired Perception of Facial Motion in Autism Spectrum Disorder. PLoS ONE, 2014, 9, e102173.	1.1	19
46	Effects of Temporal Features and Order on the Apparent duration of a Visual Stimulus. Frontiers in Psychology, 2012, 3, 90.	1.1	18
47	An Adaptable Metric Shapes Perceptual Space. Current Biology, 2016, 26, 1911-1915.	1.8	18
48	Suboptimal human multisensory cue combination. Scientific Reports, 2019, 9, 5155.	1.6	18
49	Early Cognitive Vision: Using Gestalt-Laws for Task-Dependent, Active Image-Processing. Natural Computing, 2004, 3, 293-321.	1.8	17
50	Range- and domain-specific exaggeration of facial speech. Journal of Vision, 2005, 5, 4.	0.1	17
51	Self-recognition of avatar motion: how do I know it's me?. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 669-674.	1.2	17
52	The geometry of the topographic map in striate cortex. Vision Research, 1989, 29, 1493-1500.	0.7	16
53	Motion-direction specificity for adaptation-induced duration compression depends on temporal frequency. Journal of Vision, 2013, 13, 19-19.	0.1	16
54	A MULTI-DIFFERENTIAL NEUROMORPHIC APPROACH TO MOTION DETECTION. International Journal of Neural Systems, 1999, 09, 429-434.	3.2	15

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55	Computational modelling of interleaved first- and second-order motion sequences and translating 3f+4f beat patterns. Vision Research, 2000, 40, 1135-1142.	0.7	14
56	How Different is Different? Criterion and Sensitivity in Face-Space. Frontiers in Psychology, 2011, 2, 41.	1.1	14
57	Duration Judgments Over Multiple Elements. Frontiers in Psychology, 2012, 3, 459.	1.1	14
58	Occipital alpha-band brain waves when the eyes are closed are shaped by ongoing visual processes. Scientific Reports, 2022, 12, 1194.	1.6	14
59	Motion-induced position shifts in global dynamic Gabor arrays. Journal of Vision, 2009, 9, 8-8.	0.1	13
60	Retinotopic selectivity of adaptation-based compression of event duration: Reply to Burr, Cicchini, Arrighi, and Morrone. Journal of Vision, 2011, 11, 21a-21a.	0.1	13
61	Changes in apparent duration follow shifts in perceptual timing. Journal of Vision, 2015, 15, 2.	0.1	13
62	Shape from Shading. II. Geodesic Bisection and Alignment. Perception, 1994, 23, 191-200.	0.5	12
63	The visual processing of motion-defined transparency. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1049-1057.	1.2	12
64	Identifying regions that carry the best information about global facial configurations. Journal of Vision, 2010, 10, 27-27.	0.1	12
65	Three-dimensional Curvature Contrastâ€"Geometric or Brightness Illusion?. Vision Research, 1996, 36, 3641-3653.	0.7	11
66	Moving from spatially segregated to transparent motion: a modelling approach. Biology Letters, 2006, 2, 101-105.	1.0	11
67	Global motion coherence can influence the representation of ambiguous local motion. Journal of Vision, 2011, 11, 6-6.	0.1	11
68	Object Constancy in Face Processing: Intermediate Representations and Object Forms. Irish Journal of Psychology, 1992, 13, 426-439.	0.2	10
69	When Texture Takes Precedence over Motion in Depth Perception. Perception, 2000, 29, 437-452.	0.5	10
70	Bimodal sensory discrimination is finer than dual single modality discrimination. Journal of Vision, 2007, 7, 14.	0.1	10
71	Alpha band amplification during illusory jitter perception. Journal of Vision, 2008, 8, 3-3.	0.1	10
72	Investigating Shape-from-shading Illusions Using Solid Objects. Vision Research, 1996, 36, 2827-2835.	0.7	9

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73	Motion of contrast envelopes: peace and noise. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 2237.	0.8	9
74	Motion drag induced by global motion Gabor arrays. Journal of Vision, 2010, 10, 14-14.	0.1	9
75	Biologically inspired framework for spatial and spectral velocity estimations. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 713.	0.8	9
76	An absolute interval scale of order for point patterns. Journal of the Royal Society Interface, 2014, 11, 20140342.	1.5	9
77	Illusory Feature Slowing. Psychological Science, 2015, 26, 512-517.	1.8	9
78	Golfers May Have to Overcome a Persistent Visuospatial Illusion. Perception, 2003, 32, 1151-1154.	0.5	8
79	Spatially Localized Time Shifts of the Perceptual Stream. Frontiers in Psychology, 2010, 1, 181.	1.1	8
80	Duration expansion at low luminance levels. Journal of Vision, 2011, 11, 13-13.	0.1	8
81	Specificity of attention in the stroop test: An EP study. Biological Psychology, 1982, 15, 75-83.	1.1	7
82	The Role of the Harmonic Vector Average in Motion Integration. Frontiers in Computational Neuroscience, 2013, 7, 146.	1.2	7
83	Temporal synchrony is an effective cue for grouping and segmentation in the absence of form cues. Journal of Vision, 2016, 16, 23.	0.1	7
84	Judging Political Affiliation from Faces of UK MPs. Perception, 2011, 40, 949-952.	0.5	6
85	The interrelationship between the face and vocal tract configuration during audiovisual speech. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32791-32798.	3.3	6
86	The time marker account of cross-channel temporal judgments. , 0, , 278-300.		6
87	Contrast inconstancy across changes in polarity. Vision Research, 1999, 39, 4076-4084.	0.7	5
88	The detection of the motion of contrast modulation: A parametric study. Attention, Perception, and Psychophysics, 2009, 71, 757-782.	0.7	5
89	Relative faces: Encoding of family resemblance relative to gender means in face space. Journal of Vision, 2011, 11, 8-8.	0.1	5
90	POTS, PIRACY AND AEGILA: HELLENISTIC CERAMICS FROM AN INTENSIVE SURVEY OF ANTIKYTHERA, GREECE. Annual of the British School at Athens, 2012, 107, 247-272.	0.2	5

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91	Time order reversals and saccades. Vision Research, 2016, 125, 23-29.	0.7	5
92	Individual differences in first- and second-order temporal judgment. PLoS ONE, 2018, 13, e0191422.	1.1	5
93	Understanding Sensory Induced Hallucinations: From Neural Fields to Amplitude Equations. SIAM Journal on Applied Dynamical Systems, 2021, 20, 1683-1714.	0.7	5
94	Motion induced spatial conflict following binocular integration. Vision Research, 2005, 45, 2934-2942.	0.7	4
95	Synchronous facial action binds dynamic facial features. Scientific Reports, 2021, 11, 7191.	1.6	4
96	An observer model of tilt perception, sensitivity and confidence. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211276.	1.2	4
97	A data-driven characterisation of natural facial expressions when giving good and bad news. PLoS Computational Biology, 2020, 16, e1008335.	1.5	4
98	Masking and color inheritance along the apparent motion path. Journal of Vision, 2012, 12, 18-18.	0.1	3
99	Causality: Perceiving the Causes of Visual Events. Current Biology, 2013, 23, R202-R204.	1.8	3
100	Pupil response hazard rates predict perceived gaze durations. Scientific Reports, 2017, 7, 3969.	1.6	3
101	Time-Order Errors in Duration Judgment Are Independent of Spatial Positioning. Frontiers in Psychology, 2017, 8, 340.	1.1	3
102	Visual crowding is unaffected by adaptation-induced spatial compression. Journal of Vision, 2018, 18, 12.	0.1	3
103	A spatial frequency spectral peakedness model predicts discrimination performance of regularity in dot patterns. Vision Research, 2018, 149, 102-114.	0.7	3
104	Motion integration is anisotropic during smooth pursuit eye movements. Journal of Neurophysiology, 2019, 121, 1787-1797.	0.9	3
105	KYTHERAFORTY YEARS ON: THE POTTERY FROM HISTORICAL KASTRI REVISITED. Annual of the British School at Athens, 2014, 109, 3-64.	0.2	2
106	Asymmetric global motion integration in drifting Gabor arrays. Journal of Vision, 2014, 14, 18-18.	0.1	2
107	Foveal motion standstill. Vision Research, 2017, 134, 1-6.	0.7	2
108	Temporal Order Judgements of Dynamic Gaze Stimuli Reveal a Postdictive Prioritisation of Averted Over Direct Shifts. I-Perception, 2017, 8, 204166951772080.	0.8	2

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109	Personality Traits Do Not Predict How We Look at Faces. Perception, 2018, 47, 976-984.	0.5	2
110	A color neuromorphic approach for motion estimation. , 2009, , .		1
111	Selective binding of facial features reveals dynamic expression fragments. Scientific Reports, 2018, 8, 9031.	1.6	1
112	Recognising the dynamic form of fire. Scientific Reports, 2021, 11, 10566.	1.6	1
113	Visual predictions, neural oscillations and naÃ¨ve physics. Scientific Reports, 2021, 11, 16127.	1.6	1
114	The perception and meta-perception of time within and between modalities. Journal of Vision, 2018, 18, 326.	0.1	1
115	LATE ARCHAIC ALPHABETS FROM LE MOLLAIE, ETRURIA. Bulletin of the Institute of Classical Studies, 1984, 31, 115-118.	0.4	0
116	On Archaic Greek orientalizingâ€"weird or woolly?. Antiquity, 2001, 75, 889-891.	0.5	0
117	History - (A.) Inglese Thera arcaica. Le iscrizioni rupestri dell'agora degli dei. Tivoli: Tored, 2008. Pp. xix + 525, illus. â‚¬150. 9788888617138.. Journal of Hellenic Studies, 2009, 129, 194-195.	0.0	0
118	Function over form. , 2010, , .		0
119	FRAGMENTA BRITANNICA V. AMPHORAS FROM TOP TO BOTTOM. Bulletin of the Institute of Classical Studies, 2016, 59, 46-53.	0.4	0
120	Spatial properties of the adaptation-based compression of perceived distance. Journal of Vision, 2021, 21, 1987.	0.1	0
121	Techniques for Mimicry and Identity Blending Using Morph Space PCA. Lecture Notes in Computer Science, 2013, , 296-307.	1.0	0
122	Lateralisation and binding of dynamic facial features. Journal of Vision, 2017, 17, 1028.	0.1	0
123	Individual differences in the perception of (a bigger) time. Journal of Vision, 2017, 17, 181.	0.1	0
124	Adaptation-induced changes to the â€˜intrinsicâ€™ occipital alpha rhythm. Journal of Vision, 2019, 19, 165.	0.1	0
125	Time (The â€˜Audiovisual Rulezâ€™ Remix). Journal of Vision, 2019, 19, 163b.	0.1	0
126	Exploring the Common Mechanisms of Motion-Based Visual Prediction. Frontiers in Psychology, 2022, 13, 827029.	1.1	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, .	1.1	0