Patrick Cavanagh

List of Publications by Citations

120 papers	6,038 citations	31 h-index	77 g-index
143 ext. papers	6,765 ext. citations	5.3 avg, IF	6.13 L-index

#	Paper	IF	Citations
120	Attentional resolution and the locus of visual awareness. *Nature*, **1996**, 383, 334-7	50.4	861
119	Motion: the long and short of it. *Spatial Vision*, **1989**, 4, 103-29		535
118	Tracking multiple targets with multifocal attention. *Trends in Cognitive Sciences*, **2005**, 9, 349-54	14	455
117	Cortical fMRI activation produced by attentive tracking of moving targets. *Journal of Neurophysiology*, **1998**, 80, 2657-70	3.2	415
116	Visual stability based on remapping of attention pointers. *Trends in Cognitive Sciences*, **2010**, 14, 147-53	14	269
115	Predictive remapping of attention across eye movements. *Nature Neuroscience*, **2011**, 14, 252-6	25.5	248
114	Masking produces compression of space and time in the absence of eye movements. *Journal of Neurophysiology*, **2014**, 112, 3066-76	3.2	234
113	Flexible cognitive resources: competitive content maps for attention and memory. *Trends in Cognitive Sciences*, **2013**, 17, 134-41	14	206
112	The attentional requirements of consciousness. *Trends in Cognitive Sciences*, **2012**, 16, 411-7	14	201
111	The artist as neuroscientist. *Nature*, **2005**, 434, 301-7	50.4	177
110	Motion distorts visual space: shifting the perceived position of remote stationary objects. *Nature Neuroscience*, **2000**, 3, 954-9	25.5	172
109	Illusory spatial offset of a flash relative to a moving stimulus is caused by differential latencies for moving and flashed stimuli. *Vision Research*, **2000**, 40, 137-49	2.1	153
108	Attention-based visual routines: sprites. *Cognition*, **2001**, 80, 47-60	3.5	135
107	Early binding of feature pairs for visual perception. *Nature Neuroscience*, **2001**, 4, 127-8	25.5	122
106	A jitter after-effect reveals motion-based stabilization of vision. *Nature*, **1998**, 395, 798-801	50.4	93
105	Allocation of attention across saccades. *Journal of Neurophysiology*, **2013**, 109, 1425-34	3.2	85
104	Visual cognition. *Vision Research*, **2011**, 51, 1538-51	2.1	84

103	Visual adaptation of the perception of causality. *Current Biology*, **2013**, 23, 250-4	6.3	78
102	Post-saccadic location judgments reveal remapping of saccade targets to non-foveal locations. *Journal of Vision*, **2009**, 9, 29.1-9	0.4	74
101	Dissociation between the Perceptual and Saccadic Localization of Moving Objects. *Current Biology*, **2015**, 25, 2535-40	6.3	59
100	The reference frame of the tilt aftereffect. *Journal of Vision*, **2010**, 10, 8.1-13	0.4	59
99	Variations in crowding, saccadic precision, and spatial localization reveal the shared topology of spatial vision. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E3573-E3582	11.5	58
98	Attention biases the perceived midpoint of horizontal lines. *Neuropsychologia*, **2011**, 49, 238-46	3.2	54
97	The flash grab effect. *Vision Research*, **2013**, 91, 8-20	2.1	51
96	Spatial heterogeneity in the perception of face and form attributes. *Current Biology*, **2010**, 20, 2112-6	6.3	48
95	The influence of cast shadows on visual search. *Perception*, **2004**, 33, 1339-58	1.2	46
94	Semantic priming from crowded words. *Psychological Science*, **2012**, 23, 608-16	7.9	44
93	Within-hemifield competition in early visual areas limits the ability to track multiple objects with attention. *Journal of Neuroscience*, **2014**, 34, 11526-33	6.6	42
92	Remapped visual masking. *Journal of Vision*, **2011**, 11, 13	0.4	38
91	Complete sparing of high-contrast color input to motion perception in cortical color blindness. *Nature Neuroscience*, **1998**, 1, 242-7	25.5	31
90	Mobile computation: spatiotemporal integration of the properties of objects in motion. *Journal of Vision*, **2008**, 8, 1.1-23	0.4	31
89	Anatomical constraints on attention: hemifield independence is a signature of multifocal spatial selection. *Journal of Vision*, **2012**, 12, 9	0.4	30
88	Attentional trade-offs maintain the tracking of moving objects across saccades. *Journal of Neurophysiology*, **2015**, 113, 2220-31	3.2	29
87	Onset rivalry: the initial dominance phase is independent of ongoing perceptual alternations. *Frontiers in Human Neuroscience*, **2011**, 5, 140	3.3	29
86	Crowding in a detection task: external noise triggers change in processing strategy. *Vision Research*, **2011**, 51, 408-16	2.1	28

85	Retrospective Attention Gates Discrete Conscious Access to Past Sensory Stimuli. *PLoS ONE*, **2016**, 11, e0148504	3.7	27
84	Spatiotopic apparent motion reveals local variations in space constancy. *Journal of Vision*, **2011**, 11,	0.4	24
83	What line drawings reveal about the visual brain. *Frontiers in Human Neuroscience*, **2011**, 5, 118	3.3	24
82	Do artists see their retinas?. *Frontiers in Human Neuroscience*, **2011**, 5, 171	3.3	24
81	Drawing experts have better visual memory while drawing. *Journal of Vision*, **2015**, 15, 5	0.4	22
80	Strikingly rapid neural basis of motion-induced position shifts revealed by high temporal-resolution EEG pattern classification. *Vision Research*, **2015**, 113, 1-10	2.1	22
79	Transsaccadic perceptual fusion. *Journal of Vision*, **2017**, 17, 14	0.4	20
78	Different spatial representations guide eye and hand movements. *Journal of Vision*, **2017**, 17, 12	0.4	20
77	Large crowding zones in peripheral vision for briefly presented stimuli. *Journal of Vision*, **2014**, 14, 11	0.4	20
76	The art of transparency. *I-Perception*, **2011**, 2, 679-96	1.2	20
75	Decoding Trans-Saccadic Memory. *Journal of Neuroscience*, **2018**, 38, 1114-1123	6.6	19
74	Drawing skill is related to the efficiency of encoding object structure. *I-Perception*, **2014**, 5, 101-19	1.2	18
73	Voluntary attention modulates motion-induced mislocalization. *Journal of Vision*, **2011**, 11, 12	0.4	18
72	Presaccadic motion integration between current and future retinotopic locations of attended objects. *Journal of Neurophysiology*, **2016**, 116, 1592-1602	3.2	18
71	Spatial constancy of attention across eye movements is mediated by the presence of visual objects. *Attention, Perception, and Psychophysics*, **2015**, 77, 1159-69	2	17
70	Motion correspondence in the Ternus display shows feature bias in spatiotopic coordinates. *Journal of Vision*, **2012**, 12,	0.4	17
69	Motion Extrapolation for Eye Movements Predicts Perceived Motion-Induced Position Shifts. *Journal of Neuroscience*, **2018**, 38, 8243-8250	6.6	16
68	Foveal target repetitions reduce crowding. *Journal of Vision*, **2014**, 14,	0.4	16

67	Crowding of biological motion stimuli. *Journal of Vision*, **2013**, 13, 20	0.4	16
66	Learning the trajectory of a moving visual target and evolution of its tracking in the monkey. *Journal of Neurophysiology*, **2016**, 116, 2739-2751	3.2	16
65	Target Displacements during Eye Blinks Trigger Automatic Recalibration of Gaze Direction. *Current Biology*, **2017**, 27, 445-450	6.3	15
64	The artistS advantage: Better integration of object information across eye movements. *I-Perception* , **2013**, 4, 380-95	1.2	15
63	Default perception of high-speed motion. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 7080-5	11.5	15
62	Perifoveal spatial compression. *Journal of Vision*, **2013**, 13, 21	0.4	15
61	Neural Correlates of the Conscious Perception of Visual Location Lie Outside Visual Cortex. *Current Biology*, **2019**, 29, 4036-4044.e4	6.3	15
60	Calibration of peripheral perception of shape with and without saccadic eye movements. *Attention, Perception, and Psychophysics*, **2018**, 80, 723-737	2	13
59	Attentional sampling of multiple wagon wheels. *Attention, Perception, and Psychophysics*, **2014**, 76, 64-72	2	13
58	The motion-induced shift in the perceived location of a grating also shifts its aftereffect. *Journal of Vision*, **2012**, 12,	0.4	12
57	Reflections in art. *Spatial Vision*, **2008**, 21, 261-70		11
56	Is artistsSperception more veridical?. *Frontiers in Neuroscience*, **2013**, 7, 6	5.1	10
55	Crowding is reduced by onset transients in the target object (but not in the flankers). *Journal of Vision*, **2014**, 14, 2	0.4	9
54	Different processing strategies underlie voluntary averaging in low and high noise. *Journal of Vision* , **2012**, 12, 6	0.4	9
53	Temporal dynamics of remapping captured by peri-saccadic continuous motion. *Journal of Vision*, **2012**, 12,	0.4	9
52	Memory-guided saccades show effect of a perceptual illusion whereas visually guided saccades do not. *Journal of Neurophysiology*, **2018**, 119, 62-72	3.2	8
51	The vector combination underlying the double-drift illusion is based on motion in world coordinates: Evidence from smooth pursuit. *Journal of Vision*, **2019**, 19, 2	0.4	8
50	Motion-induced position shifts are influenced by global motion, but dominated by component motion. *Vision Research*, **2015**, 110, 93-9	2.1	7

49	Close encounters: details veto depth from shadows. *Science*, **2000**, 287, 2423-5	33.3	7
48	Predictive position computations mediated by parietal areas: TMS evidence. *NeuroImage*, **2017**, 153, 49-57	7.9	6
47	Meridian interference reveals neural locus of motion-induced position shifts. *Journal of Neurophysiology*, **2018**, 119, 2091-2099	3.2	6
46	The spatial profile of mask-induced compression for perception and action. *Vision Research*, **2015**, 110, 128-41	2.1	5
45	Feature-based attention across saccades and immediate postsaccadic selection. *Attention, Perception, and Psychophysics*, **2016**, 78, 1293-301	2	5
44	Backward position shift in apparent motion. *Journal of Vision*, **2014**, 14,	0.4	5
43	Apparent motion from outside the visual field, retinotopic cortices may register extra-retinal positions. *PLoS ONE*, **2012**, 7, e47386	3.7	5
42	The boogie-woogie illusion. *Perception*, **2002**, 31, 1005-11	1.2	5
41	Pop-out for illusory rather than veridical trajectories with double-drift stimuli. *Attention, Perception, and Psychophysics*, **2020**, 82, 3065-3071	2	4
40	Motion and position shifts induced by the double-drift stimulus are unaffected by attentional load. *Attention, Perception, and Psychophysics*, **2018**, 80, 884-893	2	4
39	Response trajectories reveal conflict phase in image-word mismatch. *Attention, Perception, and Psychophysics*, **2012**, 74, 263-8	2	4
38	Moving Backgrounds Massively Change the Apparent Size, Shape and Orientation of Flashed Test Squares. *I-Perception*, **2017**, 8, 2041669517737561	1.2	4
37	Object recognition: visual crowding from a distance. *Current Biology*, **2013**, 23, R478-9	6.3	4
36	Apparent Motion Is Computed in Perceptual Coordinates. *I-Perception*, **2020**, 11, 2041669520933309	1.2	4
35	Adding temporally localized noise can enhance the contribution of target knowledge on contrast detection. *Journal of Vision*, **2017**, 17, 5	0.4	3
34	When brain damage "improves" perception: neglect patients can localize motion-shifted probes better than controls. *Journal of Neurophysiology*, **2015**, 114, 3351-8	3.2	3
33	Manual tracking of the double-drift illusion. *Journal of Vision*, **2019**, 19, 286b	0.4	3
32	The Tactile Quartet: Comparing Ambiguous Apparent Motion in Tactile and Visual Stimuli. *Perception*, **2020**, 49, 61-80	1.2	3

31	Expecting the unexpected: Temporal expectation increases the flash-grab effect. *Journal of Vision*, **2019**, 19, 9	0.4	3
30	Perception, cognition and reasoning about shadows. *Spatial Cognition and Computation*, **2018**, 18, 78-85	1.3	2
29	Diamond Patterns: Cumulative Cornsweet Effects and Motion-Induced Brightening. *I-Perception*, **2018**, 9, 2041669518770690	1.2	2
28	Familiarity does not affect the unilateral field advantage for repetition detection. *Attention, Perception, and Psychophysics*, **2012**, 74, 1216-25	2	2
27	Effect of speed overestimation on flash-lag effect at low luminance. *I-Perception*, **2011**, 2, 1063-75	1.2	2
26	Recognition criteria vary with fluctuating uncertainty. *Journal of Vision*, **2012**, 12,	0.4	2
25	The cognitive impenetrability of cognition. *Behavioral and Brain Sciences*, **1999**, 22, 370-371	0.9	2
24	Saccades create similar mislocalizations in visual and auditory space. *Journal of Neurophysiology*, **2016**, 115, 2237-45	3.2	2
23	Motion-Induced Scotoma. *Perception*, **2019**, 48, 115-137	1.2	1
22	Unifying Visual Space Across the Left and Right Hemifields. *Psychological Science*, **2018**, 29, 356-369	7.9	1
21	Build Your Own Equiluminance Helmet. *I-Perception*, **2017**, 8, 2041669517716467	1.2	1
20	Attentional facilitation of detection of flicker on moving objects. *Journal of Vision*, **2015**, 15, 3	0.4	1
19	Distance not time imposes limits on accumulation of illusory position shifts in the double-drift stimulus. *Journal of Vision*, **2019**, 19, 288	0.4	1
18	Idiosyncratic, retinotopic bias in face identification modulated by familiarity		1
17	Jumpy and Jerky: When Peripheral Vision Faces Reverse-Phi. *I-Perception*, **2020**, 11, 2041669520939107	1.2	1
16	Dynamic presentation boosts the Ebbinghaus illusion but reduces the Müller-Lyer and orientation contrast illusions. *Journal of Vision*, **2021**, 21, 4	0.4	1
15	Feature-based attention across saccades: Pop-out in color search is spatiotopic. *Attention, Perception, and Psychophysics*, **2019**, 81, 85-97	2	1
14	Attentional tracking takes place over perceived rather than veridical positions. *Attention, Perception, and Psychophysics*, **2021**, 83, 1455-1462	2	1

13	The Language of Vision. *Perception*, **2021**, 50, 195-215	1.2	1
12	Crowding and the Furrow Illusion. *I-Perception*, **2018**, 9, 2041669518801029	1.2	1
11	Effects of internal and external velocity on the perceived direction of the double-drift illusion. *Journal of Vision*, **2021**, 21, 2	0.4	1
10	Fr□lich effect and delays of visual attention. *Journal of Vision*, **2017**, 17, 3	0.4	0
9	Frame-induced position shifts. *Journal of Vision*, **2020**, 20, 607	0.4	0
8	Effect of bilingualism on visual tracking attention and resistance to distraction. *Scientific Reports*, **2020**, 10, 14263	4.9	0
7	Orbiting Black/White Rays Produce an "Illusory" Gray Disk. *Perception*, **2016**, 45, 596-600	1.2	
6	An unattended mask makes an attended target disappear. *Journal of Vision*, **2015**, 15, 9	0.4	
5	Smooth pursuit operates over perceived not physical positions of the double-drift stimulus. *Journal of Vision*, **2021**, 21, 6	0.4	
4	Tight shadows shrink depth. *Journal of Vision*, **2018**, 18, 493	0.4	
3	Flashed M□ller-Lyer and Poggendorff Virtual Illusions. *I-Perception*, **2021**, 12, 20416695211015699	1.2	
2	Different spatial transfer of high-level and low-level priming of pop-out with the double-drift illusion.. *Journal of Vision*, **2021**, 21, 2213	0.4	
1	Errors in constructing visual experience.. *Cognitive Neuropsychology*, **2022**, 1-2	2.3	