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List of Publications by Year
in descending order

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156 papers	5,379 citations	101384 36 h-index	95083 68 g-index
187 all docs	187 docs citations	187 times ranked	3501 citing authors

#	Article	IF	Citations
1	Object Perception as Bayesian Inference. Annual Review of Psychology, 2004, 55, 271-304.	9.9	1,113
2	Multisensory Processing in Review: from Physiology to Behaviour. Seeing and Perceiving, 2010, 23, 3-38.	0.4	239
3	Bayesian decision theory as a model of human visual perception: Testing Bayesian transfer. Visual Neuroscience, 2009, 26, 147-155.	0.5	215
4	Prior knowledge on the illumination position. Cognition, 2001, 81, B1-B9.	1.1	191
5	The perception of cast shadows. Trends in Cognitive Sciences, 1998, 2, 288-295.	4.0	172
6	Predictive Properties of Visual Adaptation. Current Biology, 2012, 22, 622-626.	1.8	169
7	Moving Cast Shadows Induce Apparent Motion in Depth. Perception, 1997, 26, 171-192.	0.5	168
8	Observer biases in the 3D interpretation of line drawings. Vision Research, 1998, 38, 2817-2832.	0.7	168
9	A New Look at Sensory Attenuation. Psychological Science, 2010, 21, 1740-1745.	1.8	148
10	Illusory motion from shadows. Nature, 1996, 379, 31-31.	13.7	129
11	Does Confidence Use a Common Currency Across Two Visual Tasks?. Psychological Science, 2014, 25, 1286-1288.	1.8	107
12	Visual Confidence. Annual Review of Vision Science, 2016, 2, 459-481.	2.3	103
13	Noise and Correlations in Parallel Perceptual Decision Making. Current Biology, 2012, 22, 1391-1396.	1.8	95
14	Interaction of visual prior constraints. Vision Research, 2001, 41, 2653-2668.	0.7	89
15	Principles of Multisensory Behavior. Journal of Neuroscience, 2013, 33, 7463-7474.	1.7	86
16	Temporal dynamics in bistable perception. Journal of Vision, 2005, 5, 7.	0.1	79
17	Confidence as a Common Currency between Vision and Audition. PLoS ONE, 2016, 11, e0147901.	1.1	74
18	Flexible mechanisms underlie the evaluation of visual confidence. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20834-20839.	3.3	73

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19	Ambiguities and conventions in the perception of visual art. Vision Research, 2008, 48, 2143-2153.	0.7	71
20	Bayesian modeling of cue interaction: bistability in stereoscopic slant perception. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 1398.	0.8	70
21	Evaluation of Objective Uncertainty in the Visual System. PLoS Computational Biology, 2009, 5, e1000504.	1.5	70
22	More is not always better: adaptive gain control explains dissociation between perception and action. Nature Neuroscience, 2012, 15, 1596-1603.	7.1	60
23	Confidence controls perceptual evidence accumulation. Nature Communications, 2020, 11, 1753.	5.8	58
24	Prehension of objects oriented in three-dimensional space. Experimental Brain Research, 1997, 114, 235-245.	0.7	56
25	Temporal order judgment and simple reaction times: Evidence for a common processing system. Journal of Vision, 2007, 7, 11.	0.1	56
26	Effect of the accommodation-vergence conflict on vergence eye movements. Vision Research, 2014, 100, 124-133.	0.7	56
27	Weighting Mean and Variability during Confidence Judgments. PLoS ONE, 2015, 10, e0120870.	1.1	55
28	What does the illusory-flash look like?. Vision Research, 2008, 48, 63-69.	0.7	51
29	Overconfidence in an Objective Anticipatory Motor Task. Psychological Science, 2008, 19, 601-606.	1.8	49
30	Illumination, Shading and the Perception of Local Orientation. Vision Research, 1996, 36, 2351-2367.	0.7	48
31	Impossible Shadows and the Shadow Correspondence Problem. Perception, 2004, 33, 1279-1290.	0.5	48
32	Persistent states in vision break universality and time invariance. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14990-14995.	3.3	48
33	Prior knowledge of illumination for 3D perception in the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16309-16314.	3.3	47
34	Geometry of shadows. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1997, 14, 3216.	0.8	44
35	A simple model of the verticalâ€“horizontal illusion. Vision Research, 2010, 50, 956-962.	0.7	44
36	Bayesian modeling of dynamic motion integration. Journal of Physiology (Paris), 2007, 101, 64-77.	2.1	42

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37	Bayesian Modelling of Visual Perception. , 2002, , 13-36.		36
38	Audiovisual integration of stimulus transients. Vision Research, 2008, 48, 2537-2544.	0.7	33
39	Bayesian combination of ambiguous shape cues. Journal of Vision, 2004, 4, 7.	0.1	32
40	Disambiguating serial effects of multiple timescales. Journal of Vision, 2019, 19, 24.	0.1	32
41	Neural correlates of shape from shading. NeuroReport, 2003, 14, 971-975.	0.6	31
42	The effects of task and saliency on latencies for colour and motion processing. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 139-146.	1.2	30
43	Visual estimation under risk. Journal of Vision, 2007, 7, 4.	0.1	29
44	Multisensory Decisions: the Test of a Race Model, ItsÂLogic, and Power. Multisensory Research, 2017, 30, 1-24.	0.6	29
45	Spatial and temporal tuning of motion in depth. Vision Research, 2003, 43, 2861-2873.	0.7	26
46	Shape from shading: New perspectives from the Polo Mint stimulus. Journal of Vision, 2007, 7, 13.	0.1	26
47	Confidence Forced-Choice and Other Metaperceptual Tasks*. Perception, 2020, 49, 616-635.	0.5	25
48	Performance monitoring for sensorimotor confidence: A visuomotor tracking study. Cognition, 2020, 205, 104396.	1.1	24
49	Pursuing motion illusions: A realistic oculomotor framework for Bayesian inference. Vision Research, 2011, 51, 867-880.	0.7	22
50	A Glossy Simultaneous Contrast: Conjoint Measurements of Gloss and Lightness. I-Perception, 2017, 8, 204166951668777.	0.8	22
51	The efficiency of depth discrimination for non-transparent and transparent stereoscopic surfaces. Vision Research, 2004, 44, 2253-2267.	0.7	21
52	Neural correlates of shape from shading. NeuroReport, 2003, 14, 971-975.	0.6	20
53	If I saw it, it probably wasn't far from where I was looking. Journal of Vision, 2008, 8, 7.	0.1	19
54	Modeling perceptual confidence and the confidence forced-choice paradigm.. Psychological Review, 2022, 129, 976-998.	2.7	19

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55	Categorical Local-Shape Perception. Perception, 1996, 25, 95-107.	0.5	18
56	It's that time again. Nature Neuroscience, 2010, 13, 914-916.	7.1	18
57	Priors and payoffs in confidence judgments. Attention, Perception, and Psychophysics, 2020, 82, 3158-3175.	0.7	18
58	Relationship between eye preference and binocular rivalry, and between eyeâ€hand preference and reading ability in children. Developmental Psychobiology, 2008, 50, 789-798.	0.9	17
59	Task Usefulness Affects Perception of Rivalrous Images. Psychological Science, 2010, 21, 1886-1893.	1.8	17
60	Sustained directional biases in motion transparency. Journal of Vision, 2011, 10, 23-23.	0.1	17
61	Perceptual confidence judgments reflect self-consistency. Journal of Vision, 2021, 21, 8.	0.1	17
62	Comparison of perceptual and motor latencies via anticipatory and reactive response times. Perception & Psychophysics, 2009, 71, 82-94.	2.3	16
63	Comparison of the Distortion of Probability Information in Decision Under Risk and an Equivalent Visual Task. Psychological Science, 2012, 23, 419-426.	1.8	16
64	The efficiency of speed discrimination for coherent and transparent motion. Vision Research, 2003, 43, 2795-2810.	0.7	15
65	Global visual confidence. Psychonomic Bulletin and Review, 2021, 28, 1233-1242.	1.4	15
66	Consensus Goals in the Field of Visual Metacognition. Perspectives on Psychological Science, 2022, 17, 1746-1765.	5.2	15
67	Temporal attention causes systematic biases in visual confidence. Scientific Reports, 2019, 9, 11622.	1.6	14
68	Structure learning and the Occam's razor principle: a new view of human function acquisition. Frontiers in Computational Neuroscience, 2014, 8, 121.	1.2	13
69	A Normalization Mechanism for Estimating Visual Motion across Speeds and Scales. Current Biology, 2017, 27, 1514-1520.e3.	1.8	13
70	Amodal Completion and the Perception of Depth without Binocular Correspondence. Perception, 2002, 31, 1037-1045.	0.5	12
71	Usefulness influences visual appearance in motion transparency depth rivalry. Journal of Vision, 2011, 11, 18-18.	0.1	12
72	The prediction of visual stimuli influences auditory loudness discrimination. Experimental Brain Research, 2014, 232, 3317-3324.	0.7	12

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73	The verticalâ€“horizontal illusion in hemi-spatial neglect. Neuropsychologia, 2010, 48, 3245-3251.	0.7	11
74	Synchronized Audio-Visual Transients Drive Efficient Visual Search for Motion-in-Depth. PLoS ONE, 2012, 7, e37190.	1.1	11
75	Introspective duration estimation of reactive and proactive motor responses. Acta Psychologica, 2010, 134, 142-153.	0.7	10
76	Selective biasing of stereo correspondence in an ambiguous stereogram. Vision Research, 2005, 45, 469-483.	0.7	9
77	Processing temporal events simultaneously in healthy human adults and in hemi-neglect patients. Neuropsychologia, 2012, 50, 791-799.	0.7	9
78	How the Statistics of Sequential Presentation Influence the Learning of Structure. PLoS ONE, 2013, 8, e62276.	1.1	9
79	The role of the corpus callosum in the perception of reversible figures in children. Vision Research, 2008, 48, 2451-2455.	0.7	8
80	â€œWhere is the sunâ€•for hemi-neglect patients?. Brain and Cognition, 2010, 72, 264-270.	0.8	8
81	Depth-of-Focus Affects 3D Perception in Stereoscopic Displays. Perception, 2015, 44, 613-627.	0.5	8
82	Internal surface representations approximated by reverse correlation. Vision Research, 2004, 44, 2515-2520.	0.7	7
83	The Influence of Object Size and Surface Shape on Shape Constancy from Stereo. Perception, 2004, 33, 237-247.	0.5	7
84	The role of transparency in da Vinci stereopsis. Vision Research, 2011, 51, 2186-2197.	0.7	7
85	Separable neural signatures of confidence during perceptual decisions. ELife, 2021, 10, .	2.8	7
86	Temporal dynamics of stereo correspondence bi-stability. Vision Research, 2006, 46, 3575-3585.	0.7	6
87	Bayesian inference of form and shape. Progress in Brain Research, 2006, 154, 265-270.	0.9	6
88	Recovery of surface pose from texture orientation statistics under perspective projection. Biological Cybernetics, 2010, 103, 199-212.	0.6	6
89	Sensory loss due to object formation. Vision Research, 2020, 174, 22-40.	0.7	6
90	Underconfidence in peripheral vision. Journal of Vision, 2021, 21, 2.	0.1	6

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91	Early, local motion signals generate directional preferences in depth ordering of transparent motion. Journal of Vision, 2015, 15, 6.	0.1	6
92	Common mechanisms for 2D tilt and 3D slant after-effects. Vision Research, 2002, 42, 2563-2568.	0.7	5
93	Events are perceived earlier in peripheral vision. Current Biology, 2020, 30, R1299-R1300.	1.8	5
94	<title>Isophotes on a smooth surface related to scene geometry</title>. , 1993, 2031, 124.		4
95	Stereopsis and binocular rivalry are based on perceived rather than physical orientations. Vision Research, 2012, 63, 63-68.	0.7	4
96	Dual Process for Intentional and Reactive Decisions. PLoS Computational Biology, 2013, 9, e1003013.	1.5	4
97	Contextual effects on real bicolored glossy surfaces. Journal of Vision, 2017, 17, 17.	0.1	4
98	Metacognitive blindness in temporal selection during the deployment of spatial attention. Cognition, 2021, 216, 104864.	1.1	4
99	Age-related differences in visual confidence are driven by individual differences in cognitive control capacities. Scientific Reports, 2022, 12, 6016.	1.6	4
100	Early, local motion signals generate directional preferences in depth ordering of transparent motion. Journal of Vision, 2016, 16, 24.	0.1	3
101	Contextual effects in human gloss perception. IS&T International Symposium on Electronic Imaging, 2018, 30, 1-7.	0.3	3
102	When an Event Is Perceived Depends on Where We Attend. I-Perception, 2019, 10, 204166951985809.	0.8	3
103	Temporal context affects the perceived time of visual events. Psychonomic Bulletin and Review, 2020, 27, 56-61.	1.4	3
104	Mapping the effects of stimulus history on perception. Journal of Vision, 2018, 18, 8.	0.1	3
105	Diagnosis of Hyperactivity Disorder in Gifted Children Depends on Observational Sources. Gifted and Talented International, 2007, 22, 62-67.	0.2	2
106	Disparity-based stereomotion detectors are poorly suited to track 2D motion. Journal of Vision, 2012, 12, 15-15.	0.1	2
107	Perceived Rigidity in Motion-in-Depth Increases with Contour Perspective. Perception, 2014, 43, 481-498.	0.5	2
108	Contrasting contributions of movement onset and duration to selfâ€evaluation of sensorimotor timing performance. European Journal of Neuroscience, 2021, 54, 5092-5111.	1.2	2

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109	Speed uncertainty and motion perception with naturalistic random textures. Journal of Vision, 2018, 18, 345.	0.1	2
110	Speed estimation for visual tracking emerges dynamically from nonlinear frequency interactions. ENeuro, 2022, , ENEURO.0511-21.2022.	0.9	2
111	No evidence for sequential effects of the interaction of stereo and motion cues in judgements of perceived shape. Vision Research, 2004, 44, 483-487.	0.7	1
112	Active control does not eliminate motion-induced illusory displacement. , 2011, , .		1
113	Perception of stereo at different vergence distances: Implications for realism. , 2012, , .		1
114	Response: Genuine long-term positive aftereffects. Current Biology, 2013, 23, R439-R440.	1.8	1
115	Sensory Development: Late Integration of MultipleÂCues. Current Biology, 2015, 25, R1044-R1046.	1.8	1
116	Timing in the absence of a clock reset. Journal of Vision, 2018, 18, 13.	0.1	1
117	The efficiency of depth discrimination for non-transparent and transparent stereoscopic surfaces. , 2004, 44, 2253-2253.		1
118	Computing global confidence: psychophysical evidence for an integration mechanism. Journal of Vision, 2015, 15, 974.	0.1	1
119	Limits of sensory fusion in audio-visual cue conflict stimuli. Journal of Vision, 2017, 17, 195.	0.1	1
120	Exogenous cues and visual confidence. Journal of Vision, 2017, 17, 670.	0.1	1
121	Changes in confidence judgments with perceptual aftereffects. Journal of Vision, 2016, 16, 537.	0.1	1
122	Measuring and Modeling Human Probabilistic Segmentation Maps. Journal of Vision, 2020, 20, 260.	0.1	1
123	Uncertain perceptual confidence. Nature Human Behaviour, 2022, , .	6.2	1
124	Sensory coding and the natural environment: Probabilistic models of perception. Color Research and Application, 2002, 27, 219-219.	0.8	0
125	Principles of multisensory behavior. Seeing and Perceiving, 2012, 25, 4.	0.4	0
126	The effect of audioâ€“visual expectancies on stereoacuity. Seeing and Perceiving, 2012, 25, 160.	0.4	0

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127	Sensory Plasticity: When Eye Movements Change Visual Appearance. Current Biology, 2016, 26, R24-R26.	1.8	0
128	Adaptation to one perceived motion direction can generate multiple velocity aftereffects. Journal of Vision, 2021, 21, 17.	0.1	0
129	Neural signatures of confidence after the completion of a perceptual decision. Journal of Vision, 2021, 21, 2518.	0.1	0
130	Modeling visual estimation of the centers of symmetric distributions. Journal of Vision, 2021, 21, 2381.	0.1	0
131	Shape from Shadows. , 2021, , 1148-1150.		0
132	Shape from Shadows. , 2014, , 724-725.		0
133	Gloss averaging and simultaneous contrast effects on real bicolored glossy surfaces. Journal of Vision, 2015, 15, 939.	0.1	0
134	History effects in perception after manipulating the statistics of the environment. Journal of Vision, 2015, 15, 392.	0.1	0
135	Random walks of internal visual states. Journal of Vision, 2015, 15, 1303.	0.1	0
136	Recalibration to audiovisual simultaneity: Insights from a temporal bisection task. Journal of Vision, 2016, 16, 862.	0.1	0
137	Speed channel interactions in naturalistic motion stimuli. Journal of Vision, 2016, 16, 1131.	0.1	0
138	Simultaneous gloss contrast: Conjoint measurements of lightness and gloss. Journal of Vision, 2016, 16, 943.	0.1	0
139	Dynamic visual localization with moving dot clouds. Journal of Vision, 2017, 17, 1166.	0.1	0
140	Interactions between horizontal and orientation disparities in stereopsis. Journal of Vision, 2017, 17, 1056.	0.1	0
141	Dissociable biases in orientation recall: The oblique effect follows retinal coordinates, while repulsion from cardinal follows real-world coordinates.. Journal of Vision, 2017, 17, 107.	0.1	0
142	Perceptual effects of adaptation over multiple timescales. Journal of Vision, 2017, 17, 489.	0.1	0
143	Perception of duration in the absence of the clock reset. Journal of Vision, 2017, 17, 182.	0.1	0
144	Perceiving gloss behind transparent layers. Journal of Vision, 2017, 17, 226.	0.1	0

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145	Assessing the role of rewards and priors on confidence judgments. Journal of Vision, 2018, 18, 1046.	0.1	0
146	When a visual event is perceived depends on where it is presented. Journal of Vision, 2018, 18, 714.	0.1	0
147	Confidence blinks before attention. Journal of Vision, 2018, 18, 1112.	0.1	0
148	Sequential Effects in Confidence. Journal of Vision, 2018, 18, 658.	0.1	0
149	Metacognitive estimates of time during spatial orienting of attention. Journal of Vision, 2019, 19, 214c.	0.1	0
150	Dynamic non-linear interactions serving speed estimation inferred from channel interactions during ocular following. Journal of Vision, 2019, 19, 167b.	0.1	0
151	Under-confidence in peripheral vision. Journal of Vision, 2019, 19, 67c.	0.1	0
152	Sensitivity of confidence judgments for different duration estimations. Journal of Vision, 2019, 19, 211.	0.1	0
153	Temporal binding across senses facilitates change detection within senses. Journal of Vision, 2019, 19, 19a.	0.1	0
154	Graded, multidimensional representations of sensory evidence allow for dissociable performance in second-choice and confidence judgments.. Journal of Vision, 2019, 19, 289a.	0.1	0
155	Visual cue estimation with non-gaussian distribution. Journal of Vision, 2020, 20, 1436.	0.1	0
156	Structure of visual biases revealed by individual differences. Vision Research, 2022, 195, 108014.	0.7	0