Randolph Blake

List of Publications by Year
in descending order

172 papers	15,417 citations	18482 62 h-index	18647 119 g-index
176 all docs	176 docs citations	176 times ranked	6639 citing authors

#	Article	IF	Citations
1	Contribution of a common ability in average and variability judgments. Psychonomic Bulletin and Review, 2022, 29, 108-115.	2.8	7
2	The Perceptual Magic of Binocular Rivalry. Current Directions in Psychological Science, 2022, 31, 139-146.	5.3	8
3	The role of category- and exemplar-specific experience in ensemble processing of objects. Attention, Perception, and Psychophysics, 2021, 83, 1080-1093.	1.3	4
4	Reflections on Eriksenâ€™s seminal essay on discrimination, performance and learning without awareness. Attention, Perception, and Psychophysics, 2021, 83, 546-557.	1.3	1
5	Optics and neural adaptation jointly limit human stereovision. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	3
6	Judging Relative Onsets and Offsets of Audiovisual Events. Vision (Switzerland), 2020, 4, 17.	1.2	4
7	Evidence for neural rhythms embedded within binocular rivalry. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14811-14812.	7.1	8
8	Spatial suppression promotes rapid figure-ground segmentation of moving objects. Nature Communications, 2019, 10, 2732.	12.8	42
9	Individual differences in continuous flash suppression: Potency and linkages to binocular rivalry dynamics. Vision Research, 2019, 160, 10-23.	1.4	9
10	Congruent audio-visual stimulation during adaptation modulates the subsequently experienced visual motion aftereffect. Scientific Reports, 2019, 9, 19391.	3.3	2
11	Novel procedure for generating continuous flash suppression: Seurat meets Mondrian. Journal of Vision, 2019, 19, 1.	0.3	19
12	Stimulus-specific learning facilitates ensemble processing of cars. Journal of Vision, 2019, 19, 32.	0.3	0
13	Can human stereopsis improve by making the eyes optically perfect?. Journal of Vision, 2019, 19, 130b.	0.3	0
14	Probing Electrophysiological Indices of Perceptual Awareness across Unisensory and Multisensory Modalities. Journal of Cognitive Neuroscience, 2018, 30, 814-828.	2.3	11
15	Multistable Perception and the Role of the Frontoparietal Cortex in Perceptual Inference. Annual Review of Psychology, 2018, 69, 77-103.	17.7	109
16	Battle of the Mondrians: Investigating the Role of Unpredictability in Continuous Flash Suppression. I-Perception, 2018, 9, 204166951879293.	1.4	3
17	Composite binocular perception from dichoptic stimulus arrays with similar ensemble information. Scientific Reports, 2018, 8, 8263.	3.3	3
18	Slow and steady, not fast and furious: Slow temporal modulation strengthens continuous flash suppression. Consciousness and Cognition, 2018, 58, 10-19.	1.5	17

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19	Low-level properties of dynamic Mondrians, not their predictability, empower continuous flash suppression. Journal of Vision, 2018, 18, 960.	0.3	0
20	Does direction of walking impact binocular rivalry between competing patterns of optic flow?. Attention, Perception, and Psychophysics, 2017, 79, 1182-1194.	1.3	6
21	Monocular Perceptual Deprivation from Interocular Suppression Temporarily Imbalances Ocular Dominance. Current Biology, 2017, 27, 884-889.	3.9	59
22	Individual differences in sensory eye dominance reflected in the dynamics of binocular rivalry. Vision Research, 2017, 141, 40-50.	1.4	40
23	Persistent Biases in Binocular Rivalry Dynamics within the Visual Field. Vision (Switzerland), 2017, 1, 18.	1.2	14
24	Binocular Rivalryâ˜†. , 2017, , .		3
25	Distributional analyses of individual differences in binocular rivalry dynamics. Journal of Vision, 2017, 17, 582.	0.3	2
26	Dissimilarity between feature ensembles triggers binocular rivalry without competing local features. Journal of Vision, 2017, 17, 1221.	0.3	0
27	Why are dynamic Mondrian patterns unusually effective in inducing interocular suppression?. Journal of Vision, 2017, 17, 140.	0.3	0
28	The time course of binocular rivalry during the phases of the menstrual cycle. Journal of Vision, 2016, 16, 22.	0.3	8
29	Does visual attention drive the dynamics of bistable perception?. Attention, Perception, and Psychophysics, 2016, 78, 1861-1873.	1.3	27
30	Pupil size dynamics during fixation impact the accuracy and precision of video-based gaze estimation. Vision Research, 2016, 118, 48-59.	1.4	92
31	Biological Motion Perception, Brain Responses, and Schizotypal Personality Disorder. JAMA Psychiatry, 2016, 73, 260.	11.0	18
32	A new technique for generating disordered point-light animations for the study of biological motion perception. Journal of Vision, 2015, 15, 13.	0.3	12
33	Vision in schizophrenia: why it matters. Frontiers in Psychology, 2015, 6, 41.	2.1	27
34	The Occipital Face Area Is Causally Involved in Facial Viewpoint Perception. Journal of Neuroscience, 2015, 35, 16398-16403.	3.6	15
35	Cognitive Neuroscience: Integration of Sight and Sound outside of Awareness?. Current Biology, 2015, 25, R157-R159.	3.9	15
36	Melodic sound enhances visual awareness of congruent musical notes, but only if you can read music. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8493-8498.	7.1	13

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37	Individual differences in the temporal dynamics of binocular rivalry and stimulus rivalry. Psychonomic Bulletin and Review, 2015, 22, 476-482.	2.8	20
38	Long-range traveling waves of activity triggered by local dichoptic stimulation in V1 of behaving monkeys. Journal of Neurophysiology, 2015, 113, 277-294.	1.8	12
39	Negligible fronto-parietal BOLD activity accompanying unreportable switches in bistable perception. Nature Neuroscience, 2015, 18, 1672-1678.	14.8	97
40	On the use of continuous flash suppression for the study of visual processing outside of awareness. Frontiers in Psychology, 2014, 5, 724.	2.1	113
41	Dissociation between Neural Signatures of Stimulus and Choice in Population Activity of Human V1 during Perceptual Decision-Making. Journal of Neuroscience, 2014, 34, 2725-2743.	3.6	28
42	Can binocular rivalry reveal neural correlates of consciousness?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130211.	4.0	73
43	A monocular contribution to stimulus rivalry. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8337-8344.	7.1	37
44	QnAs with Randolph Blake. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8320-8320.	7.1	0
45	Revisiting the Perceptual Reality of Synesthetic Color. , 2013, , .		3
46	Individual differences in the perception of biological motion and fragmented figures are not correlated. Frontiers in Psychology, 2013, 4, 795.	2.1	3
47	Neural Activity Reflecting Perceptual Awareness of Biologically Relevant Events. Korean Journal of Cognitive and Biological Psychology, 2013, 25, 153-172.	0.0	0
48	Inattention Abolishes Binocular Rivalry. Psychological Science, 2012, 23, 1159-1167.	3.3	65
49	Normalization Regulates Competition for Visual Awareness. Neuron, 2012, 75, 531-540.	8.1	41
50	Deconstructing continuous flash suppression. Journal of Vision, 2012, 12, 8-8.	0.3	111
51	An Integrated Framework of Spatiotemporal Dynamics of Binocular Rivalry. Frontiers in Human Neuroscience, 2011, 5, 88.	2.0	23
52	Stimulus Fractionation by Interocular Suppression. Frontiers in Human Neuroscience, 2011, 5, 135.	2.0	36
53	Callosal connections of primary visual cortex predict the spatial spreading of binocular rivalry across the visual hemifields. Frontiers in Human Neuroscience, 2011, 5, 161.	2.0	38
54	Comparing Biological Motion Perception in Two Distinct Human Societies. PLoS ONE, 2011, 6, e28391.	2.5	19

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55	Binocular vision. Vision Research, 2011, 51, 754-770.	1.4	211
56	Semantic Analysis Does Not Occur in the Absence of Awareness Induced by Interocular Suppression. Journal of Neuroscience, 2011, 31, 13535-13545.	3.6	77
57	The Role of Frontal and Parietal Brain Areas in Bistable Perception. Journal of Neuroscience, 2011, 31, 10293-10301.	3.6	188
58	Perception of Biological Motion in Schizophrenia and Healthy Individuals: A Behavioral and fMRI Study. PLoS ONE, 2011, 6, e19971.	2.5	80
59	What causes alternations in dominance during binocular rivalry?. Attention, Perception, and Psychophysics, 2010, 72, 179-186.	1.3	61
60	Visual Sensitivity Underlying Changes in Visual Consciousness. Current Biology, 2010, 20, 1362-1367.	3.9	123
61	Experience-Driven Plasticity in Binocular Vision. Current Biology, 2010, 20, 1464-1469.	3.9	87
62	Detecting contrast changes in invisible patterns during binocular rivalry. Vision Research, 2010, 50, 2421-2429.	1.4	9
63	A New Interocular Suppression Technique for Measuring Sensory Eye Dominance. , 2010, 51, 588.		85
64	Neural Integration of Information Specifying Human Structure from Form, Motion, and Depth. Journal of Neuroscience, 2010, 30, 838-848.	3.6	39
65	Adaptation aftereffects to facial expressions suppressed from visual awareness. Journal of Vision, 2010, 10, 24-24.	0.3	55
66	A Dissociation of Attention and Awareness in Phase-sensitive but Not Phase-insensitive Visual Channels. Journal of Cognitive Neuroscience, 2010, 22, 2326-2344.	2.3	30
67	Modulation of spatiotemporal dynamics of binocular rivalry by collinear facilitation and pattern-dependent adaptation. Journal of Vision, 2010, 10, 3-3.	0.3	27
68	Periodic perturbations producing phase-locked fluctuations in visual perception. Journal of Vision, 2009, 9, 8-8.	0.3	35
69	Visual Perception: Tracking the Elusive Footprints of Awareness. Current Biology, 2009, 19, R30-R32.	3.9	0
70	Interocular suppression differentially affects achromatic and chromatic mechanisms. Attention, Perception, and Psychophysics, 2009, 71, 403-411.	1.3	57
71	Suppression During Binocular Rivalry Broadens Orientation Tuning. Psychological Science, 2009, 20, 1348-1355.	3.3	25
72	Spatial Spread of Interocular Suppression is Guided by Stimulus Configuration. Perception, 2009, 38, 215-231.	1.2	12

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73	Selective impairment in visual perception of biological motion in obsessive-compulsive disorder. Depression and Anxiety, 2008, 25, E15-E25.	4.1	34
74	Enhancement of bistable perception associated with visual stimulus rivalry. Psychonomic Bulletin and Review, 2008, 15, 586-591.	2.8	7
75	The efficiency of biological motion perception. Perception & Psychophysics, 2008, 70, 88-95.	2.3	26
76	Aging and perception of visual form from temporal structure.. Psychology and Aging, 2008, 23, 181-189.	1.6	19
77	Contextual modulations of center-surround interactions in motion revealed with the motion aftereffect. Journal of Vision, 2008, 8, 9.	0.3	20
78	BINOCULAR RIVALRY AND NEURAL DYNAMICS. Psichologija, 2008, 38, 7-18.	0.1	0
79	Voluntary Action Influences Visual Competition. Psychological Science, 2007, 18, 1090-1098.	3.3	82
80	Fearful expressions gain preferential access to awareness during continuous flash suppression.. Emotion, 2007, 7, 882-886.	1.8	295
81	Perception of Human Motion. Annual Review of Psychology, 2007, 58, 47-73.	17.7	765
82	Stimulus Motion Propels Traveling Waves in Binocular Rivalry. PLoS ONE, 2007, 2, e739.	2.5	22
83	The effects of transcranial magnetic stimulation on visual rivalry. Journal of Vision, 2007, 7, 2.	0.3	36
84	Hierarchy of cortical responses underlying binocular rivalry. Nature Neuroscience, 2007, 10, 1048-1054.	14.8	142
85	Spatial grouping in human vision: Temporal structure trumps temporal synchrony. Vision Research, 2007, 47, 219-230.	1.4	21
86	Illusory colors promote interocular grouping during binocular rivalry. Psychonomic Bulletin and Review, 2007, 14, 356-362.	2.8	7
87	Neural bases of binocular rivalry. Trends in Cognitive Sciences, 2006, 10, 502-511.	7.8	634
88	Depth of interocular suppression associated with continuous flash suppression, flash suppression, and binocular rivalry. Journal of Vision, 2006, 6, 6.	0.3	167
89	The Development of Sensitivity to Biological Motion in Noise. Perception, 2006, 35, 647-657.	1.2	37
90	Adaptive center-surround interactions in human vision revealed during binocular rivalry. Vision Research, 2006, 46, 599-604.	1.4	42

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91	Exogenous attention and endogenous attention influence initial dominance in binocular rivalry. Vision Research, 2006, 46, 1794-1803.	1.4	111
92	Weakened Center-Surround Interactions in Visual Motion Processing in Schizophrenia. Journal of Neuroscience, 2006, 26, 11403-11412.	3.6	162
93	Strength of early visual adaptation depends on visual awareness. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4783-4788.	7.1	193
94	Fine Temporal Properties of Center-Surround Interactions in Motion Revealed by Reverse Correlation. Journal of Neuroscience, 2006, 26, 2614-2622.	3.6	38
95	Traveling waves of activity in primary visual cortex during binocular rivalry. Nature Neuroscience, 2005, 8, 22-23.	14.8	282
96	The Interaction between Binocular Rivalry and Negative Afterimages. Current Biology, 2005, 15, 1740-1744.	3.9	39
97	Endogenous attention prolongs dominance durations in binocular rivalry. Journal of Vision, 2005, 5, 6.	0.3	142
98	The Role of Temporal Structure in Human Vision. Behavioral and Cognitive Neuroscience Reviews, 2005, 4, 21-42.	3.9	80
99	Mixed messengers, unified message: spatial grouping from temporal structure. Vision Research, 2005, 45, 1021-1030.	1.4	7
100	Eccentric perception of biological motion is unscalably poor. Vision Research, 2005, 45, 1935-1943.	1.4	75
101	Psychophysical magic: rendering the visible â€˜invisibleâ€™. Trends in Cognitive Sciences, 2005, 9, 381-388.	7.8	335
102	Motion Perception Getting Better with Age?. Neuron, 2005, 45, 325-327.	8.1	27
103	Impaired visual recognition of biological motion in schizophrenia. Schizophrenia Research, 2005, 77, 299-307.	2.0	121
104	Learning to See Biological Motion: Brain Activity Parallels Behavior. Journal of Cognitive Neuroscience, 2004, 16, 1669-1679.	2.3	127
105	Neural Synergy Between Kinetic Vision and Touch. Psychological Science, 2004, 15, 397-402.	3.3	173
106	Physics embedded in visual perception of three-dimensional shape from motion. Nature Neuroscience, 2004, 7, 921-922.	14.8	29
107	Perceiving object motion using vision and touch. Cognitive, Affective and Behavioral Neuroscience, 2004, 4, 201-207.	2.0	19
108	A fresh look at interocular grouping during binocular rivalry. Vision Research, 2004, 44, 983-991.	1.4	84

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109	Preserved gain control for luminance contrast during binocular rivalry suppression. Vision Research, 2004, 44, 3065-3071.	1.4	26
110	Perceptual consequences of centreâ€“surround antagonism in visual motion processing. Nature, 2003, 424, 312-315.	27.8	284
111	Subjective contours and binocular rivalry suppression. Vision Research, 2003, 43, 1533-1540.	1.4	17
112	Visual Motion Retards Alternations between Conflicting Perceptual Interpretations. Neuron, 2003, 39, 869-878.	8.1	94
113	Visual Recognition of Biological Motion is Impaired in Children With Autism. Psychological Science, 2003, 14, 151-157.	3.3	465
114	Reconciling Rival Interpretations of Binocular Rivalry. , 2003, , 101-126.		2
115	Motion Processing in Human Visual Cortex. Frontiers in Neuroscience, 2003, , .	0.0	1
116	How Context Influences Predominance during Binocular Rivalry. Perception, 2002, 31, 813-824.	1.2	57
117	Brain Areas Active during Visual Perception of Biological Motion. Neuron, 2002, 35, 1167-1175.	8.1	618
118	Minimizing rivalry in San Miniato. Trends in Cognitive Sciences, 2002, 6, 407-408.	7.8	3
119	V1 activity is reduced during binocular rivalry. Journal of Vision, 2002, 2, 4.	0.3	79
120	What constitutes an efficient reference frame for vision?. Nature Neuroscience, 2002, 5, 1010-1015.	14.8	54
121	Visual competition. Nature Reviews Neuroscience, 2002, 3, 13-21.	10.2	1,305
122	Interocular interactions reveal the opponent structure of motion mechanisms. Vision Research, 2001, 41, 441-448.	1.4	6
123	Neural synergy in visual grouping: when good continuation meets common fate. Vision Research, 2001, 41, 2057-2064.	1.4	30
124	A Primer on Binocular Rivalry, Including Current Controversies. Brain and Mind, 2001, 2, 5-38.	0.6	581
125	Dynamics of travelling waves in visual perception. Nature, 2001, 412, 907-910.	27.8	254
126	Neuronal activity in human primary visual cortex correlates with perception during binocular rivalry. Nature Neuroscience, 2000, 3, 1153-1159.	14.8	483

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127	Temporal Structure in the Input to Vision Can Promote Spatial Grouping. Lecture Notes in Computer Science, 2000, , 635-653.	1.3	5
128	Neural strength of visual attention gauged by motion adaptation. Nature Neuroscience, 1999, 2, 1015-1018.	14.8	102
129	Visual Form Created Solely from Temporal Structure. Science, 1999, 284, 1165-1168.	12.6	193
130	Rival ideas about binocular rivalry. Vision Research, 1999, 39, 1447-1454.	1.4	139
131	Detection of temporal structure depends on spatial structure. Vision Research, 1999, 39, 3033-3048.	1.4	19
132	Grouping visual features during binocular rivalry. Vision Research, 1999, 39, 4341-4353.	1.4	120
133	Visual features that vary together over time group together over space. Nature Neuroscience, 1998, 1, 160-164.	14.8	126
134	Detection and discrimination of optical flow components. Japanese Psychological Research, 1998, 40, 19-30.	1.1	14
135	Interactions between global motion and local binocular rivalry. Vision Research, 1998, 38, 637-644.	1.4	61
136	Anisotropies in visual motion perception: a fresh look. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 2003.	1.5	93
137	Binocular Rivalry and Motion Perception. Journal of Cognitive Neuroscience, 1998, 10, 46-60.	2.3	75
138	Binocular Rivalry Disrupts Visual Priming. Psychological Science, 1998, 9, 299-302.	3.3	38
139	What Can Be â€œPerceivedâ€•in the Absence of Visual Awareness?. Current Directions in Psychological Science, 1997, 6, 157-162.	5.3	27
140	Perception of Biological Motion. Perception, 1997, 26, 1539-1548.	1.2	113
141	Direction repulsion in motion transparency. Visual Neuroscience, 1996, 13, 187-197.	1.0	81
142	Binocular Disparity Processing with Opposite-Contrast Stimuli. Perception, 1995, 24, 33-47.	1.2	52
143	On the accuracy of surface reconstruction from disparity interpolation. Vision Research, 1995, 35, 949-960.	1.4	21
144	Broad tuning for spatial frequency of neural mechanisms underlying visual perception of coherent motion. Nature, 1994, 371, 793-796.	27.8	36

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145	Visually guided attention is neutralized when informative cues are visible but unperceived. Vision Research, 1993, 33, 2057-2064.	1.4	34
146	Another means for measuring the motion aftereffect. Vision Research, 1993, 33, 1589-1592.	1.4	72
147	Cats Perceive Biological Motion. Psychological Science, 1993, 4, 54-57.	3.3	166
148	Visual Alchemy: Stereoscopic Adaptation Produces Kinetic Depth from Random Noise. Perception, 1993, 22, 635-642.	1.2	5
149	Spatial zones of binocular rivalry in central and peripheral vision. Visual Neuroscience, 1992, 8, 469-478.	1.0	193
150	Binocular rivalry suppression disrupts recovery from motion adaptation. Visual Neuroscience, 1992, 9, 143-148.	1.0	13
151	Do recognizable figures enjoy an advantage in binocular rivalry?. Journal of Experimental Psychology: Human Perception and Performance, 1992, 18, 1158-1173.	0.9	53
152	On the Variety of Percepts Associated with Dichoptic Viewing of Dissimilar Monocular Stimuli. Perception, 1992, 21, 47-62.	1.2	41
153	Neural models of stereoscopic vision. Trends in Neurosciences, 1991, 14, 445-452.	8.6	115
154	Coarse spatial scales constrain the range of binocular fusion on fine scales. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1991, 8, 229.	1.5	63
155	On the coexistence of stereopsis and binocular rivalry. Vision Research, 1991, 31, 1191-1203.	1.4	33
156	The interplay between stereopsis and structure from motion. Perception & Psychophysics, 1991, 49, 230-244.	2.3	86
157	A neural network model of kinetic depth. Visual Neuroscience, 1991, 6, 219-227.	1.0	52
158	Organization of Binocular Pathways: Modeling and Data Related to Rivalry. Neural Computation, 1991, 3, 44-53.	2.2	33
159	Temporal perturbations of binocular rivalry. Perception & Psychophysics, 1990, 48, 593-602.	2.3	58
160	A neural theory of binocular rivalry.. Psychological Review, 1989, 96, 145-167.	3.8	565
161	Dichoptic reading: The role of meaning in binocular rivalry. Perception & Psychophysics, 1988, 44, 133-141.	2.3	31
162	The precedence of binocular fusion over binocular rivalry. Perception & Psychophysics, 1985, 37, 114-124.	2.3	85

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163	Binocular rivalry suppression interferes with phase adaptation. Perception & Psychophysics, 1985, 38, 277-280.	2.3	5
164	Binocular rivalry and semantic processing: Out of sight, out of mind.. Journal of Experimental Psychology: Human Perception and Performance, 1983, 9, 807-815.	0.9	75
165	Interocular transfer of visual aftereffects.. Journal of Experimental Psychology: Human Perception and Performance, 1981, 7, 367-381.	0.9	56
166	What is Suppressed during Binocular Rivalry?. Perception, 1980, 9, 223-231.	1.2	159
167	On utrocular discrimination. Perception & Psychophysics, 1979, 26, 53-68.	2.3	67
168	On the inhibitory nature of binocular rivalry suppression.. Journal of Experimental Psychology: Human Perception and Performance, 1979, 5, 315-323.	0.9	61
169	Adaptation to invisible gratings and the site of binocular rivalry suppression. Nature, 1974, 249, 488-490.	27.8	205
170	Binocular rivalry suppression: Insensitive to spatial frequency and orientation change. Vision Research, 1974, 14, 687-692.	1.4	136
171	The psychophysical inquiry into binocular summation. Perception & Psychophysics, 1973, 14, 161-185.	2.3	277
172	Binocular Rivalry and Perceptual Ambiguity. , 0, , .		10