Jeremy M Wolfe

List of Publications by Year
in descending order

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328 papers	23,353 citations	11651 70 h-index	9103 144 g-index
342 all docs	342 docs citations	342 times ranked	9072 citing authors

#	Article	IF	Citations
1	Guided Search 2.0 A revised model of visual search. Psychonomic Bulletin and Review, 1994, 1, 202-238.	2.8	2,987
2	Guided search: An alternative to the feature integration model for visual search.. Journal of Experimental Psychology: Human Perception and Performance, 1989, 15, 419-433.	0.9	1,455
3	What attributes guide the deployment of visual attention and how do they do it?. Nature Reviews Neuroscience, 2004, 5, 495-501.	10.2	1,382
4	What Can 1 Million Trials Tell Us About Visual Search?. Psychological Science, 1998, 9, 33-39.	3.3	663
5	Modeling the role of parallel processing in visual search. Cognitive Psychology, 1990, 22, 225-271.	2.2	573
6	Visual search has no memory. Nature, 1998, 394, 575-577.	27.8	542
7	Guided Search 4.0. , 2007, , 99-119.		486
8	Five factors that guide attention in visual search. Nature Human Behaviour, 2017, 1, .	12.0	470
9	Rare items often missed in visual searches. Nature, 2005, 435, 439-440.	27.8	438
10	Visual search in scenes involves selective and nonselective pathways. Trends in Cognitive Sciences, 2011, 15, 77-84.	7.8	431
11	The order of visual processing: â€œTop-down,â€•â€œbottom-up,â€•or â€œmiddle-outâ€• Perception & Psychophysics, 1979, 25, 225-231.	2.3	419
12	Changing your mind: On the contributions of top-down and bottom-up guidance in visual search for feature singletons.. Journal of Experimental Psychology: Human Perception and Performance, 2003, 29, 483-502.	0.9	410
13	The Invisible Gorilla Strikes Again. Psychological Science, 2013, 24, 1848-1853.	3.3	398
14	Just Say No: How Are Visual Searches Terminated When There Is No Target Present?. Cognitive Psychology, 1996, 30, 39-78.	2.2	373
15	Preattentive Object Files: Shapeless Bundles of Basic Features. Vision Research, 1997, 37, 25-43.	1.4	331
16	Low target prevalence is a stubborn source of errors in visual search tasks.. Journal of Experimental Psychology: General, 2007, 136, 623-638.	2.1	294
17	How fast can you change your mind? The speed of top-down guidance in visual search. Vision Research, 2004, 44, 1411-1426.	1.4	273
18	Moving towards solutions to some enduring controversies in visual search. Trends in Cognitive Sciences, 2003, 7, 70-76.	7.8	263

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19	Why is visual search superior in autism spectrum disorder?. Developmental Science, 2009, 12, 1083-1096.	2.4	247
20	Asymmetries in visual search: An introduction. Perception & Psychophysics, 2001, 63, 381-389.	2.3	245
21	The role of categorization in visual search for orientation.. Journal of Experimental Psychology: Human Perception and Performance, 1992, 18, 34-49.	0.9	242
22	Guided Search 6.0: An updated model of visual search. Psychonomic Bulletin and Review, 2021, 28, 1060-1092.	2.8	225
23	Varying Target Prevalence Reveals Two Dissociable Decision Criteria in Visual Search. Current Biology, 2010, 20, 121-124.	3.9	221
24	Reversing ocular dominance and suppression in a single flash. Vision Research, 1984, 24, 471-478.	1.4	194
25	Why are there eccentricity effects in visual search? Visual and attentional hypotheses. Perception & Psychophysics, 1998, 60, 140-156.	2.3	182
26	The Psychophysical Evidence for a Binding Problem in Human Vision. Neuron, 1999, 24, 11-17.	8.1	178
27	Visual search in continuous, naturalistic stimuli. Vision Research, 1994, 34, 1187-1195.	1.4	175
28	If You Donâ€™t Find It Often, You Often Donâ€™t Find It: Why Some Cancers Are Missed in Breast Cancer Screening. PLoS ONE, 2013, 8, e64366.	2.5	175
29	Postattentive vision.. Journal of Experimental Psychology: Human Perception and Performance, 2000, 26, 693-716.	0.9	169
30	â€œEffortlessâ€•texture segmentation and â€œparallelâ€•visual search are not the same thing. Vision Research, 1992, 32, 757-763.	1.4	168
31	Auditory recognition memory is inferior to visual recognition memory. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6008-6010.	7.1	159
32	Influence of Spatial Frequency, Luminance, and Duration on Binocular Rivalry and Abnormal Fusion of Briefly Presented Dichoptic Stimuli. Perception, 1983, 12, 447-456.	1.2	156
33	Informatics in Radiology: What Can You See in a Single Glance and How Might This Guide Visual Search in Medical Images?. Radiographics, 2013, 33, 263-274.	3.3	156
34	Differential Electrophysiological Signatures of Semantic and Syntactic Scene Processing. Psychological Science, 2013, 24, 1816-1823.	3.3	154
35	Does contextual cuing guide the deployment of attention?. Journal of Experimental Psychology: Human Perception and Performance, 2007, 33, 816-828.	0.9	153
36	Segmentation of objects from backgrounds in visual search tasks. Vision Research, 2002, 42, 2985-3004.	1.4	151

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37	Attention is fast but volition is slow. Nature, 2000, 406, 691-691.	27.8	146
38	Saved by a Log. Psychological Science, 2012, 23, 698-703.	3.3	145
39	Stereopsis and binocular rivalry.. Psychological Review, 1986, 93, 269-282.	3.8	140
40	Tracking unique objects. Perception & Psychophysics, 2007, 69, 172-184.	2.3	139
41	Second-order parallel processing: Visual search for the odd item in a subset.. Journal of Experimental Psychology: Human Perception and Performance, 1995, 21, 531-551.	0.9	136
42	What are the shapes of response time distributions in visual search?. Journal of Experimental Psychology: Human Perception and Performance, 2011, 37, 58-71.	0.9	136
43	Visual search for arbitrary objects in real scenes. Attention, Perception, and Psychophysics, 2011, 73, 1650-1671.	1.3	129
44	Scanners and drillers: Characterizing expert visual search through volumetric images. Journal of Vision, 2013, 13, 3-3.	0.3	129
45	Reaction time distributions constrain models of visual search. Vision Research, 2010, 50, 1304-1311.	1.4	128
46	When is it time to move to the next raspberry bush? Foraging rules in human visual search. Journal of Vision, 2013, 13, 10-10.	0.3	118
47	Reconsidering Yarbus: A failure to predict observersâ€™ task from eye movement patterns. Vision Research, 2012, 62, 1-8.	1.4	117
48	Limitations on the parallel guidance of visual search: Colorâ€‚Ã—â€‚Color and Orientationâ€‚Ã—â€‚Orientation conjunctions.. Journal of Experimental Psychology: Human Perception and Performance, 1990, 16, 879-892.	0.9	115
49	Search for multiple targets: Remember the targets, forget the search. Perception & Psychophysics, 2001, 63, 272-285.	2.3	112
50	Binocularity and visual search. Perception & Psychophysics, 1988, 44, 81-93.	2.3	111
51	Color Channels, Not Color Appearance or Color Categories, Guide Visual Search for Desaturated Color Targets. Psychological Science, 2010, 21, 1208-1214.	3.3	111
52	When does repeated search in scenes involve memory? Looking at versus looking for objects in scenes.. Journal of Experimental Psychology: Human Perception and Performance, 2012, 38, 23-41.	0.9	111
53	The gist of the abnormal: Above-chance medical decision making in the blink of an eye. Psychonomic Bulletin and Review, 2013, 20, 1170-1175.	2.8	108
54	Fractionating the binding process: neuropsychological evidence distinguishing binding of form from binding of surface features. Vision Research, 2000, 40, 1569-1596.	1.4	103

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55	Prevalence effects in newly trained airport checkpoint screeners: Trained observers miss rare targets, too. Journal of Vision, 2013, 13, 33-33.	0.3	103
56	Efficacy of bright light and sleep/darkness scheduling in alleviating circadian maladaptation to night work. American Journal of Physiology - Endocrinology and Metabolism, 2001, 281, E384-E391.	3.5	102
57	Curvature is a Basic Feature for Visual Search Tasks. Perception, 1992, 21, 465-480.	1.2	94
58	Searching Night and Day. Psychological Science, 2003, 14, 549-557.	3.3	94
59	Using fMRI to distinguish components of the multiple object tracking task. Journal of Vision, 2009, 9, 10-10.	0.3	93
60	Optimizing Analysis, Visualization, and Navigation of Large Image Data Sets: One 5000-Section CT Scan Can Ruin Your Whole Day. Radiology, 2011, 259, 346-362.	7.3	93
61	Memory for rejected distractors in visual search?. Visual Cognition, 2003, 10, 257-298.	1.6	92
62	Visual search. Current Biology, 2010, 20, R346-R349.	3.9	90
63	Visual Attention. , 2000, , 335-386.		89
64	Fixational Eye Movements Are Not an Index of Covert Attention. Psychological Science, 2007, 18, 356-363.	3.3	87
65	Why do we miss rare targets? Exploring the boundaries of the low prevalence effect. Journal of Vision, 2008, 8, 15-15.	0.3	85
66	Auditory and visual memory in musicians and nonmusicians. Psychonomic Bulletin and Review, 2011, 18, 586-591.	2.8	84
67	Visual Search: How Do We Find What We Are Looking For?. Annual Review of Vision Science, 2020, 6, 539-562.	4.4	83
68	The role of memory for visual search in scenes. Annals of the New York Academy of Sciences, 2015, 1339, 72-81.	3.8	81
69	Visual memory: What do you know about what you saw?. Current Biology, 1998, 8, R303-R304.	3.9	80
70	Failures of perception in the low-prevalence effect: Evidence from active and passive visual search.. Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 977-994.	0.9	80
71	Inhibitory tagging in visual search: A failure to replicate. Perception & Psychophysics, 1990, 48, 357-362.	2.3	75
72	The Parallel Guidance of Visual Attention. Current Directions in Psychological Science, 1992, 1, 124-128.	5.3	75

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73	The interplay of episodic and semantic memory in guiding repeated search in scenes. Cognition, 2013, 126, 198-212.	2.2	74
74	Prevalence of Abnormalities Influences Cytologists' Error Rates in Screening for Cervical Cancer. Archives of Pathology and Laboratory Medicine, 2011, 135, 1557-1560.	2.5	73
75	Short test flashes produce large tilt aftereffects. Vision Research, 1984, 24, 1959-1964.	1.4	72
76	On the Role of Symmetry in Visual Search. Psychological Science, 1992, 3, 194-198.	3.3	71
77	Even in correctable search, some types of rare targets are frequently missed. Attention, Perception, and Psychophysics, 2009, 71, 541-553.	1.3	71
78	Visual search asymmetries in motion and optic flow fields. Perception & Psychophysics, 2001, 63, 436-444.	2.3	67
79	The role of object categories in hybrid visual and memory search.. Journal of Experimental Psychology: General, 2014, 143, 1585-1599.	2.1	66
80	A half-second glimpse often lets radiologists identify breast cancer cases even when viewing the mammogram of the opposite breast. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10292-10297.	7.1	63
81	Contextual cuing by global features. Perception & Psychophysics, 2006, 68, 1204-1216.	2.3	62
82	Is Accommodation Colorblind? Focusing Chromatic Contours. Perception, 1981, 10, 53-62.	1.2	60
83	Panoramic Search: The Interaction of Memory and Vision in Search Through a Familiar Scene.. Journal of Experimental Psychology: Human Perception and Performance, 2004, 30, 1132-1146.	0.9	60
84	Delineating the Neural Signatures of Tracking Spatial Position and Working Memory during Attentive Tracking. Journal of Neuroscience, 2011, 31, 659-668.	3.6	58
85	Time to guide: Evidence for delayed attentional guidance in contextual cueing. Visual Cognition, 2008, 16, 804-825.	1.6	55
86	Why don't we see changes? The role of attentional bottlenecks and limited visual memory. Visual Cognition, 2006, 14, 749-780.	1.6	53
87	The role of memory and restricted context in repeated visual search. Perception & Psychophysics, 2008, 70, 314-328.	2.3	53
88	The Representation of Location in Visual Images. Cognitive Psychology, 1994, 26, 1-32.	2.2	52
89	Textures as Global Signals of Abnormality in the Interpretation of Mammograms. Journal of Vision, 2018, 18, 1.	0.3	51
90	Rethinking the basic-applied dichotomy. Cognitive Research: Principles and Implications, 2016, 1, 1.	2.0	50

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91	Seek and you shall remember: Scene semantics interact with visual search to build better memories. Journal of Vision, 2014, 14, 10-10.	0.3	49
92	How do we track invisible objects?. Psychonomic Bulletin and Review, 2006, 13, 516-523.	2.8	48
93	Does visual expertise improve visual recognition memory?. Attention, Perception, and Psychophysics, 2011, 73, 30-35.	1.3	48
94	HOW DO RADIOLOGISTS USE THE HUMAN SEARCH ENGINE?. Radiation Protection Dosimetry, 2016, 169, 24-31.	0.8	48
95	You think you know where you looked? You better look again.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 1477-1481.	0.9	47
96	Neural Measures of Dynamic Changes in Attentive Tracking Load. Journal of Cognitive Neuroscience, 2012, 24, 440-450.	2.3	45
97	Radiologists can detect the â€˜gistâ€™ of breast cancer before any overt signs of cancer appear. Scientific Reports, 2018, 8, 8717.	3.3	44
98	Do Multielement Visual Tracking and Visual Search Draw Continuously on the Same Visual Attention Resources?. Journal of Experimental Psychology: Human Perception and Performance, 2005, 31, 643-667.	0.9	44
99	A purely binocular mechanism in human vision. Vision Research, 1981, 21, 1755-1759.	1.4	42
100	Attentional pursuit is faster than attentional saccade. Journal of Vision, 2004, 4, 6.	0.3	42
101	QUICK ASSESSMENT OF PREFERENTIAL LOOKING ACUITY IN INFANTS. Optometry and Vision Science, 1980, 57, 420-427.	1.2	41
102	The effects of local prevalence and explicit expectations on search termination times. Attention, Perception, and Psychophysics, 2012, 74, 115-123.	1.3	40
103	Is visual attention required for robust picture memory?. Vision Research, 2007, 47, 955-964.	1.4	39
104	Extending guided search: Why guided search needs a preattentive "item map". , 0, , 247-270.		39
105	Looking at scenes while searching for numbers: Dividing attention multiplies space. Perception & Psychophysics, 2008, 70, 1337-1349.	2.3	38
106	The speed of free will. Quarterly Journal of Experimental Psychology, 2009, 62, 2262-2288.	1.1	38
107	When and Why Might a Computer-aided Detection (CAD) System Interfere with Visual Search? An Eye-tracking Study. Academic Radiology, 2012, 19, 1260-1267.	2.5	38
108	Do Intersections Serve as Basic Features in Visual Search?. Perception, 2003, 32, 645-656.	1.2	37

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109	Do Multielement Visual Tracking and Visual Search Draw Continuously on the Same Visual Attention Resources?. Journal of Experimental Psychology: Human Perception and Performance, 2005, 31, 643-667.	0.9	37
110	When Categories Collide. Psychological Science, 2011, 22, 739-746.	3.3	35
111	What is a preattentive feature?. Current Opinion in Psychology, 2019, 29, 19-26.	4.9	35
112	When do I Quit? The Search Termination Problem in Visual Search. Nebraska Symposium on Motivation, 2012, 59, 183-208.	0.9	35
113	Global Factors in the Hermann Grid Illusion. Perception, 1984, 13, 33-40.	1.2	34
114	Hybrid foraging search: Searching for multiple instances of multiple types of target. Vision Research, 2016, 119, 50-59.	1.4	34
115	Multiple object juggling: Changing what is tracked during extended multiple object tracking. Psychonomic Bulletin and Review, 2007, 14, 344-349.	2.8	32
116	Spatial and temporal separation fails to counteract the effects of low prevalence in visual search. Visual Cognition, 2010, 18, 881-897.	1.6	32
117	Infant visual acuity is underestimated because near threshold gratings are not preferentially fixated. Vision Research, 1979, 19, 1377-1379.	1.4	31
118	Signal detection evidence for limited capacity in visual search. Attention, Perception, and Psychophysics, 2011, 73, 2413-2424.	1.3	31
119	Guidance of Visual Search by Preattentive Information. , 2005, , 101-104.		30
120	Visual attention. Wiley Interdisciplinary Reviews: Cognitive Science, 2011, 2, 503-514.	2.8	30
121	Getting beyond the serial/parallel debate in visual search: a hybrid approach. , 2001, , 178-198.		30
122	Partâ€"whole information is useful in visual search for size Ã— size but not orientation Ã— orientation conjunctions. Perception & Psychophysics, 1995, 57, 749-760.	2.3	29
123	Briefly Presented Stimuli Can Disrupt Constant Suppression and Binocular Rivalry Suppression. Perception, 1986, 15, 413-417.	1.2	28
124	Differential attentional modulation of cortical responses to S-cone and luminance stimuli. Journal of Vision, 2011, 11, 1-1.	0.3	28
125	Visual Search Revived: The Slopes Are Not That Slippery: A Reply to Kristjansson (2015). I-Perception, 2016, 7, 204166951664324.	1.4	28
126	One visual search, many memory searches: An eye-tracking investigation of hybrid search. Journal of Vision, 2017, 17, 5.	0.3	28

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127	Resolving perceptual ambiguity. Nature, 1996, 380, 587-588.	27.8	27
128	The binding problem lives on: comment on Di Lollo. Trends in Cognitive Sciences, 2012, 16, 307-308.	7.8	27
129	Guidance and selection history in hybrid foraging visual search. Attention, Perception, and Psychophysics, 2019, 81, 637-653.	1.3	27
130	Microsaccades and Attention: Does a Weak Correlation Make an Index?. Psychological Science, 2007, 18, 367-368.	3.3	26
131	Guided search for triple conjunctions. Attention, Perception, and Psychophysics, 2014, 76, 1535-1559.	1.3	26
132	When is it time to move to the next map? Optimal foraging in guided visual search. Attention, Perception, and Psychophysics, 2016, 78, 2135-2151.	1.3	26
133	Which end is up? Two representations of orientation in visual search. Vision Research, 1999, 39, 2075-2086.	1.4	24
134	Kanizsa-type subjective contours do not guide attentional deployment in visual search but line termination contours do. Perception & Psychophysics, 2008, 70, 477-488.	2.3	24
135	Target absent trials in configural contextual cuing. Attention, Perception, and Psychophysics, 2011, 73, 2077-2091.	1.3	24
136	Winter is coming: How humans forage in a temporally structured environment. Journal of Vision, 2015, 15, 1.	0.3	24
137	Even if I showed you where you looked, remembering where you just looked is hard. Journal of Vision, 2017, 17, 2.	0.3	24
138	Eye torsion and visual tilt are mediated by different binocular processes. Vision Research, 1979, 19, 917-920.	1.4	23
139	Searching while loaded: Visual working memory does not interfere with hybrid search efficiency but hybrid search uses working memory capacity. Psychonomic Bulletin and Review, 2016, 23, 201-212.	2.8	23
140	Eye Movements in Medical Image Perception: A Selective Review of Past, Present and Future. Vision (Switzerland), 2019, 3, 32.	1.2	23
141	Shared characteristics of stereopsis and the purely binocular process. Vision Research, 1983, 23, 217-227.	1.4	22
142	Visual search for oriented lines: The role of angular relations between targets and distractors. Spatial Vision, 1992, 6, 199-207.	1.4	22
143	A Soft Handoff of Attention between Cerebral Hemispheres. Current Biology, 2014, 24, 1133-1137.	3.9	22
144	Gist in time: Scene semantics and structure enhance recall of searched objects. Acta Psychologica, 2016, 169, 100-108.	1.5	22

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145	Gravity and the tilt aftereffect. Vision Research, 1982, 22, 1075-1078.	1.4	21
146	An Unbinding Problem? The disintegration of visible, previously attended objects does not attract attention. Journal of Vision, 2002, 2, 5-5.	0.3	21
147	Hybrid search in the temporal domain: Evidence for rapid, serial logarithmic search through memory. Attention, Perception, and Psychophysics, 2014, 76, 296-303.	1.3	21
148	CB Database: A change blindness database for objects in natural indoor scenes. Behavior Research Methods, 2016, 48, 1343-1348.	4.0	21
149	Computational assessment of visual search strategies in volumetric medical images. Journal of Medical Imaging, 2016, 3, 015501.	1.5	21
150	The Computer Paper Illusion. Perception, 1979, 8, 347-348.	1.2	20
151	Guided Search 3.0. Documenta Ophthalmologica Proceedings Series, 1997, , 189-192.	0.0	20
152	Binocular Adaptation That Cannot Be Measured Monocularly. Perception, 1982, 11, 287-295.	1.2	19
153	Global image properties do not guide visual search. Journal of Vision, 2011, 11, 18-18.	0.3	19
154	Searching for the right word: Hybrid visual and memory search for words. Attention, Perception, and Psychophysics, 2015, 77, 1132-1142.	1.3	19
155	A binocular contribution to the production of optokinetic nystagmus in normal and stereoblind subjects. Vision Research, 1981, 21, 587-590.	1.4	18
156	Binocular Rivalry and Fusion under Scotopic Luminances. Perception, 1994, 23, 771-784.	1.2	18
157	Comparing search patterns in digital breast tomosynthesis and full-field digital mammography: an eye tracking study. Journal of Medical Imaging, 2017, 4, 1.	1.5	18
158	Inversion effects in the expert classification of mammograms and faces. Cognitive Research: Principles and Implications, 2018, 3, 31.	2.0	17
159	Fur in the midst of the waters: Visual search for material type is inefficient. Journal of Vision, 2010, 10, 8-8.	0.3	16
160	You look familiar, but I donâ€™t care: Lure rejection in hybrid visual and memory search is not based on familiarity.. Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 1576-1587.	0.9	16
161	How did I miss that? Developing mixed hybrid visual search as a â€˜model systemâ€™ for incidental finding errors in radiology. Cognitive Research: Principles and Implications, 2017, 2, 35.	2.0	16
162	Detecting the â€œgistâ€•of breast cancer in mammograms three years before localized signs of cancer are visible. British Journal of Radiology, 2019, 92, 20190136.	2.2	16

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163	Approaches to Visual Search. , 2014, , .		15
164	Guided Search 4.0: A guided search model that does not require memory for rejected distractors. Journal of Vision, 2010, 1, 349-349.	0.3	15
165	Visual search. Scholarpedia Journal, 2008, 3, 3325.	0.3	15
166	Satisfaction of Search in Radiographic Modalities. Radiology, 2011, 261, 1000-1001.	7.3	14
167	Hybrid value foraging: How the value of targets shapes human foraging behavior. Attention, Perception, and Psychophysics, 2018, 80, 609-621.	1.3	14
168	A New Multiple Object Awareness Paradigm Shows that Imperfect Knowledge of Object Location Is Still Knowledge. Current Biology, 2018, 28, 3430-3434.e3.	3.9	14
169	Hybrid foraging search in younger and older age.. Psychology and Aging, 2019, 34, 805-820.	1.6	14
170	Cyclopean stimulation can influence sensations of self-motion in normal and stereoblind subjects. Perception & Psychophysics, 1980, 28, 139-142.	2.3	13
171	Hidden Visual Processes. Scientific American, 1983, 248, 94-103.	1.0	13
172	In a blink of the mind's eye. Nature, 1997, 387, 756-757.	27.8	13
173	Visual Search for Type of Motion is Based on Simple Motion Primitives. Perception, 2007, 36, 1624-1634.	1.2	13
174	Through the looking-glass: Objects in the mirror are less real. Psychonomic Bulletin and Review, 2015, 22, 980-986.	2.8	13
175	Binocularity and visual searchâ€”Revisited. Attention, Perception, and Psychophysics, 2017, 79, 473-483.	1.3	13
176	Efficiency and accuracy of visual search develop at different rates from early childhood through early adulthood. Psychonomic Bulletin and Review, 2020, 27, 504-511.	2.8	13
177	Guided Search 5.0: Meeting the challenge of hybrid search and multiple-target foraging. Journal of Vision, 2015, 15, 1106.	0.3	13
178	Right place, right time: Spatiotemporal predictions guide attention in dynamic visual search.. Journal of Experimental Psychology: General, 2022, 151, 348-362.	2.1	13
179	Visual search for transparency and opacity: Attentional guidance by cue combination?. Journal of Vision, 2005, 5, 9.	0.3	12
180	Apparent colorâ€“orientation bindings in the periphery can be influenced by feature binding in central vision. Vision Research, 2013, 82, 58-65.	1.4	12

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181	Using the past to anticipate the future in human foraging behavior. Vision Research, 2015, 111, 66-74.	1.4	12
182	Age doesnâ€™t matter much: hybrid visual and memory search is preserved in older adults. Aging, Neuropsychology, and Cognition, 2020, 27, 220-253.	1.3	12
183	Parallel ideas about stereopsis and binocular rivalry: A reply to Blake and O'Shea (1988).. Psychological Review, 1988, 95, 155-158.	3.8	11
184	Coarse guidance by numerosity in visual search. Attention, Perception, and Psychophysics, 2013, 75, 16-28.	1.3	11
185	Hybrid search in context: How to search for vegetables in the produce section and cereal in the cereal aisle. Visual Cognition, 2013, 21, 678-682.	1.6	11
186	Use-inspired basic research in medical image perception. Cognitive Research: Principles and Implications, 2016, 1, 17.	2.0	11
187	How humans react to changing rewards during visual foraging. Attention, Perception, and Psychophysics, 2017, 79, 2299-2309.	1.3	11
188	The Functional Visual Field(s) in simple visual search. Vision Research, 2022, 190, 107965.	1.4	11
189	Afterimages, Binocular Rivalry, and the Temporal Properties of Dominance and Suppression. Perception, 1983, 12, 439-445.	1.2	10
190	Why does vantage point affect boundary extension?. Visual Cognition, 2011, 19, 234-257.	1.6	10
191	Visual Attention: The Multiple Ways in which History Shapes Selection. Current Biology, 2019, 29, R155-R156.	3.9	10
192	Forty years after feature integration theory: An introduction to the special issue in honor of the contributions of Anne Treisman. Attention, Perception, and Psychophysics, 2020, 82, 1-6.	1.3	10
193	Global processing provides malignancy evidence complementary to the information captured by humans or machines following detailed mammogram inspection. Scientific Reports, 2021, 11, 20122.	3.3	9
194	A new era at attention, perception, & psychophysics. Attention, Perception, and Psychophysics, 2011, 73, 1-1.	1.3	8
195	Lions or tigers or bears: Oh my! Hybrid visual and memory search for categorical targets. Visual Cognition, 2012, 20, 1024-1027.	1.6	8
196	Change blindness for cast shadows in natural scenes: Even informative shadow changes are missed. Attention, Perception, and Psychophysics, 2016, 78, 978-987.	1.3	8
197	Letâ€™s Use Cognitive Science to Create Collaborative Workstations. Journal of the American College of Radiology, 2016, 13, 571-575.	1.8	8
198	Measuring the time course of selection during visual search. Attention, Perception, and Psychophysics, 2019, 81, 47-60.	1.3	8

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199	An exact picture of your target guides visual search better than any other representation. Journal of Vision, 2010, 3, 230-230.	0.3	8
200	NEUROSCIENCE: Watching Single Cells Pay Attention. Science, 2005, 308, 503-504.	12.6	7
201	The boundary conditions for Bohrâ€™s law: when is reacting faster than acting?. Attention, Perception, and Psychophysics, 2011, 73, 613-620.	1.3	7
202	How does our search engine â€œseeâ€•the world? The case of amodal completion. Attention, Perception, and Psychophysics, 2011, 73, 1054-1064.	1.3	7
203	Image toggling saves time in mammography. Journal of Medical Imaging, 2015, 3, 011003.	1.5	7
204	Visual Attention: Size Matters. Current Biology, 2017, 27, R1002-R1003.	3.9	7
205	Not your parentâ€™s NIH clinical trial. Nature Human Behaviour, 2018, 2, 107-109.	12.0	7
206	Comparing eye movements during position tracking and identity tracking: No evidence for separate systems. Attention, Perception, and Psychophysics, 2018, 80, 453-460.	1.3	7
207	Assessing Cancer Risk from Mammograms: Deep Learning Is Superior to Conventional Risk Models. Radiology, 2019, 292, 67-68.	7.3	7
208	The Level of Attention: Mediating Between the Stimulus and Perception. , 2003, , 169-191.		7
209	Perception in dynamic scenes: What is your Heider capacity?. Journal of Experimental Psychology: General, 2019, 148, 252-271.	2.1	7
210	The Vernier Aftereffect. Perception, 1987, 16, 593-597.	1.2	6
211	Asymmetrical Effect of Crossed and Uncrossed Disparity on Stereoscopic Capture. Perception, 1993, 22, 1403-1413.	1.2	6
212	Stability and change. Visual Cognition, 2005, 12, 639-690.	1.6	6
213	Shuffling your way out of change blindness. Psychonomic Bulletin and Review, 2016, 23, 193-200.	2.8	6
214	Visual search for changes in scenes creates long-term, incidental memory traces. Attention, Perception, and Psychophysics, 2018, 80, 829-843.	1.3	6
215	Lost in the supermarket: Quantifying the cost of partitioning memory sets in hybrid search. Memory and Cognition, 2018, 46, 43-57.	1.6	6
216	Choosing or rejecting a food item, does framing matter? And what has sugar to do with it!. Appetite, 2019, 143, 104410.	3.7	6

#	Article	IF	Citations
217	Feedback moderates the effect of prevalence on perceptual decisions. Psychonomic Bulletin and Review, 2021, 28, 1906-1914.	2.8	6
218	What do experts look at and what do experts find when reading mammograms?. Journal of Medical Imaging, 2021, 8, 045501.	1.5	6
219	Gist processing in digital breast tomosynthesis. Journal of Medical Imaging, 2019, 7, 1.	1.5	6
220	Hybrid foraging meets navigation: Can augmented reality improve performance in real world search tasks?. Journal of Vision, 2018, 18, 6.	0.3	6
221	How many pixels make a memory? Picture memory for small pictures. Psychonomic Bulletin and Review, 2011, 18, 469-475.	2.8	5
222	Explicit Expectations and the Effects of Prevalence. Radiology, 2011, 261, 328-328.	7.3	5
223	Analog Computer-Aided Detection (CAD) information can be more effective than binary marks. Attention, Perception, and Psychophysics, 2017, 79, 679-690.	1.3	5
224	Axis of rotation as a basic feature in visual search. Attention, Perception, and Psychophysics, 2020, 82, 31-43.	1.3	5
225	Implicitly and explicitly encoded features can guide attention in free viewing. Journal of Vision, 2020, 20, 8.	0.3	5
226	Detection of the abnormal gist in the prior mammograms even with no overt sign of breast cancer. , 2018, , .		5
227	Everything is Foreseen, Yet Free will is Given (Mishna Avot 3:15). Journal of Cognition, 2018, 1, 22.	1.4	5
228	Guided Search 2.0: The Upgrade. Proceedings of the Human Factors and Ergonomics Society, 1993, 37, 1295-1299.	0.3	4
229	The pertinence of research on visual search to radiologic practice. Academic Radiology, 1995, 2, 74-78.	2.5	4
230	Attention: Selective Attention and Consciousness. , 2009, , 61-75.		4
231	Flexible cue combination in the guidance of attention in visual search. Acta Psychologica, 2014, 153, 129-138.	1.5	4
232	Multiple event monitoring. Cognitive Research: Principles and Implications, 2016, 1, 21.	2.0	4
233	â€œI am not dead yet!â€Ââ€“ÂThe Item responds to Hulleman & Olivers. Behavioral and Brain Sciences, 2017, 40, e161.	0.7	4
234	Major issues in the study of visual search: Part 2 of â€œ40 Years of Feature Integration: Special Issue in Memory of Anne Treismanâ€•. Attention, Perception, and Psychophysics, 2020, 82, 383-393.	1.3	4

#	Article	IF	Citations
235	Is apparent instability a guiding feature in visual search?. Visual Cognition, 2020, 28, 218-238.	1.6	4
236	Looking ahead: When do you find the next item in foraging visual search?. Journal of Vision, 2020, 20, 3.	0.3	4
237	Limits on multielement tracking. Journal of Vision, 2010, 1, 347-347.	0.3	4
238	Top-down control of attention by stereoscopic depth. Vision Research, 2022, 198, 108061.	1.4	4
239	Evidence for Separable Binocular Processes Differentially Affected by Artificially Induced Anisometropia. Optometry and Vision Science, 1979, 56, 279-284.	1.2	3
240	The meaning of non-monotonic psychometric functions in the assessment of infant preferential looking acuity. A reply to Bankset al. (1982) and Telleret al. (1982). Vision Research, 1983, 23, 917-920.	1.4	3
241	How do you pay attention?. Nature, 1999, 400, 813-815.	27.8	3
242	41.1: Invited Paper: How Might the Rules that Govern Visual Search Constrain the Design of Visual Displays?. Digest of Technical Papers SID International Symposium, 2005, 36, 1395.	0.3	3
243	Visual Search. , 2008, , 275-280.		3
244	Editorial: Visual Search and Selective Attention. Vision Research, 2010, 50, 1301-1303.	1.4	3
245	Introduction to the special issue on visual working memory. Attention, Perception, and Psychophysics, 2014, 76, 1861-1870.	1.3	3
246	Categorical grouping is not required for guided conjunction search. Journal of Vision, 2020, 20, 30.	0.3	3
247	Relationships between expertise and distinctiveness: Abnormal medical images lead to enhanced memory performance only in experts. Memory and Cognition, 2021, 49, 1067-1081.	1.6	3
248	The Rules of Guidance in Visual Search. Lecture Notes in Computer Science, 2012, , 1-10.	1.3	3
249	Does the strength of the gist signal predict the difficulty of breast cancer detection in usual presentation and reporting mechanisms?. , 2019, , .		3
250	Detecting the "gist" of breast cancer in mammograms three years before the cancer appears.. Journal of Vision, 2017, 17, 927.	0.3	3
251	What shall we do with the preattentive processing stage: Use it or lose it?. Journal of Vision, 2010, 3, 572-572.	0.3	3
252	Sometimes it helps to be taken out of context: Memory for objects in scenes. Visual Cognition, 2022, 30, 229-244.	1.6	3

#	Article	IF	Citations
253	How one block of trials influences the next: persistent effects of disease prevalence and feedback on decisions about images of skin lesions in a large online study. Cognitive Research: Principles and Implications, 2022, 7, 10.	2.0	3
254	Making use of texton gradients: visual search and perceptual grouping exploit the same parallel processes in different ways. Spatial Vision, 1993, 7, 90.	1.4	2
255	Brief Communications (RIP) and the soul of wit. Nature, 2006, 444, 31-31.	27.8	2
256	Event monitoring: Can we detect more than one event at a time?. Vision Research, 2018, 145, 49-55.	1.4	2
257	The First Moments of Medical Image Perception. , 2018, , 188-196.		2
258	Order, please! Explicit sequence learning in hybrid search in younger and older age. Memory and Cognition, 2021, 49, 1220-1235.	1.6	2
259	Exorcizing "ghosts" in repeated visual search. Journal of Vision, 2010, 2, 733-733.	0.3	2
260	Guided Search 6.0: An upgrade with five forms of guidance, three types of functional visual fields, and two, distinct search templates. Journal of Vision, 2020, 20, 303.	0.3	2
261	Remodeling visual search: How gamma distributions can bring those boring old RTs to life. Journal of Vision, 2010, 2, 735-735.	0.3	2
262	Gist Perception and Holistic Processing in Rapidly Presented Mammograms.. Journal of Vision, 2018, 18, 391.	0.3	2
263	Advancing Research on Medical Image Perception by Strengthening Multidisciplinary Collaboration. JNCI Cancer Spectrum, 2022, 6, .	2.9	2
264	Texture and visual search: a special issue in honor of Bela Julesz. Spatial Vision, 1993, 7, 275-276.	1.4	1
265	Talking to yourself aboutwhat is where: What is the vocabulary of preattentive vision?. Behavioral and Brain Sciences, 1993, 16, 254-255.	0.7	1
266	Modifying guided search: Preattentive object files.. Canadian Psychology, 1996, 37, 60-60.	2.1	1
267	Neurons that know when to quit. Nature Neuroscience, 2006, 9, 984-985.	14.8	1
268	Transient signals per se do not disrupt the flash-lag effect. Behavioral and Brain Sciences, 2008, 31, 206-206.	0.7	1
269	In visual search, guidance by surface type is different than classic guidance. Vision Research, 2009, 49, 765-773.	1.4	1
270	Memory search for the first target modulates the magnitude of the attentional blink. Memory and Cognition, 2014, 42, 1333-1344.	1.6	1

#	Article	IF	Citations
271	In dialogue with the NIH on clinical trials policy. Nature Human Behaviour, 2018, 2, 100-102.	12.0	1
272	Ann Treisman (1935â€“2018). Current Biology, 2018, 28, R329-R331.	3.9	1
273	Visual Perception: How Better Imaging Can Make Things Worse. Current Biology, 2021, 31, R246-R248.	3.9	1
274	Target value and prevalence influence visual foraging in younger and older age. Vision Research, 2021, 186, 87-102.	1.4	1
275	Prevalence effects on the road: Rare hazards are often missed. Journal of Vision, 2021, 21, 2968.	0.3	1
276	Visual search through a 3D volume: Studying novices in order to help radiologists. Journal of Vision, 2015, 15, 1107.	0.3	1
277	How is visual search guided by shape? Using features from deep learning to understand preattentive "shape space". Journal of Vision, 2016, 16, 695.	0.3	1
278	Hybrid visual and memory search is preserved in older age. Journal of Vision, 2018, 18, 531.	0.3	1
279	Useful Field of View shows why we miss the search target when we â€œlook atâ€•it. Journal of Vision, 2019, 19, 314d.	0.3	1
280	What is the role of working memory in hybrid search?: Evidence from the Contralateral Delay Activity. Journal of Vision, 2020, 20, 261.	0.3	1
281	Is opacity a basic feature? It's not transparent. Journal of Vision, 2010, 3, 634-634.	0.3	1
282	Inversion effects in the ability to classify mammograms in one second.. Journal of Vision, 2017, 17, 1226.	0.3	1
283	When do you find the next item?: Using occluders to uncover the time course of visual foraging. Journal of Vision, 2019, 19, 234.	0.3	1
284	Prevalence effects on perceptual decisions: Category broadening, elevated miss rates, or both?. Journal of Vision, 2020, 20, 720.	0.3	1
285	How fixation durations are affected by search difficulty manipulations. Visual Cognition, 0, , 1-15.	1.6	1
286	Priming effects in inefficient visual search: Real, but transient. Attention, Perception, and Psychophysics, 2022, 84, 1417-1431.	1.3	1
287	Complexity, guided search, and the data. Behavioral and Brain Sciences, 1990, 13, 457-458.	0.7	0
288	Capturing the user's attention. , 2007, , .		0

#	Article	IF	Citations
289	Introducing Tutorial Reviews, Having an Impact. Attention, Perception, and Psychophysics, 2009, 71, 431-431.	1.3	0
290	Seeking Tutorial Articles for Attention, Perception, & Psychophysics. Attention, Perception, and Psychophysics, 2009, 71, 1677-1677.	1.3	0
291	Comment and response in Attention, Perception, & Psychophysics. Attention, Perception, and Psychophysics, 2010, 72, 555-555.	1.3	0
292	Ideological purity not required. Attention, Perception, and Psychophysics, 2011, 73, 1631-1631.	1.3	0
293	Gestalt of Medical Images. Radiographics, 2013, 33, 1519-1519.	3.3	0
294	Visual search from lab to clinic and back. Proceedings of SPIE, 2014, , .	0.8	0
295	The Influence of Selective Attention on Consciousness â˜†. , 2017, , .		0
296	Guided search through memory. Visual Cognition, 2018, 26, 285-298.	1.6	0
297	Does feature priming guide your whole visual search?. Journal of Vision, 2021, 21, 2206.	0.3	0
298	Semantic content allows flexible memory-partitioning in hybrid search. Journal of Vision, 2021, 21, 2151.	0.3	0
299	Missing what is right in front of our eyes. Journal of Vision, 2021, 21, 2073.	0.3	0
300	Prevalence effects in two feature dimensions. Journal of Vision, 2021, 21, 2252.	0.3	0
301	How does a 2D preview help a 3D search? â€“ An eye tracking study of Digital Breast Tomosynthesis. Journal of Vision, 2021, 21, 2155.	0.3	0
302	Effects of target value and prevalence on foraging in aging. Journal of Vision, 2021, 21, 1847.	0.3	0
303	Response times in an old/new face recognition test provide an objective measure of face memory deficits in developmental prosopagnosia. Journal of Vision, 2021, 21, 1905.	0.3	0
304	The log rolls on: Hybrid search with same-category targets and distractors. Journal of Vision, 2021, 21, 2257.	0.3	0
305	Things fall apart: The transience of binding in visual search. Journal of Vision, 2010, 1, 121-121.	0.3	0
306	Serial position effects in visual short term memory. Journal of Vision, 2010, 2, 295-295.	0.3	0

#	Article	IF	Citations
307	How fast can you change your mind? Effects of target identity cues in visual search. Journal of Vision, 2010, 2, 534-534.	0.3	0
308	Preattentive segmentation of figures from target found in visual search. Journal of Vision, 2010, 2, 542-542.	0.3	0
309	Constraints on task switching in multielement tracking and visual search. Journal of Vision, 2010, 3, 337-337.	0.3	0
310	Memory as an internal vision. Journal of Vision, 2010, 1, 123-123.	0.3	0
311	Memory for scenes: May I have the spatial envelope, please?. Journal of Vision, 2010, 2, 517-517.	0.3	0
312	Rapid visual search during slow attentional shifts. Journal of Vision, 2010, 3, 181-181.	0.3	0
313	Taking a picture apart: Memory for backgrounds and objects in scene photographs. Journal of Vision, 2010, 2, 252-252.	0.3	0
314	Memory in visual search: Do the eyes have it?. Journal of Vision, 2010, 2, 731-731.	0.3	0
315	The Psychoanatomy of Binocular Single Vision. , 1991, , 199-215.		0
316	Thinking About Color. PsycCritiques, 1993, 38, 924-925.	0.0	0
317	Winter is coming: How humans forage in a temporally structured environment. Journal of Vision, 2014, 14, 913-913.	0.3	0
318	Training a Convolutional Neural Network to Detect the Gist of Breast Cancer. Journal of Vision, 2018, 18, 518.	0.3	0
319	Oculomotor behaviour of radiologists reading digital breast tomosynthesis (DBT). , 2019, , .		0
320	From the clinic to the lab and back: Fixing the problem of missed â€œincidental findingsâ€• Journal of Vision, 2019, 19, 313.	0.3	0
321	Computational strategies used during hybrid visual search. Journal of Vision, 2019, 19, 132.	0.3	0
322	Playing nicely with your robot.. Journal of Vision, 2019, 19, 107b.	0.3	0
323	Explicit Sequence Learning in Hybrid Visual Search in Younger and Older Age. Journal of Vision, 2019, 19, 308a.	0.3	0
324	Memory capacity meets expertise: increased capacity for abnormal images in expert radiologists. Journal of Vision, 2019, 19, 74.	0.3	0

#	Article	IF	Citations
325	Visual search errors are persistent in a laboratory analog of the incidental finding problem. Cognitive Research: Principles and Implications, 2020, 5, 32.	2.0	0
326	What you donâ€™t see can help you: Image triage in human-AI interactions. Journal of Vision, 2020, 20, 519.	0.3	0
327	Multiple Functional Visual Fields (FVFs) surround the same fixation point during visual search. Journal of Vision, 2020, 20, 716.	0.3	0
328	Hiding the Rabbit: Using a genetic algorithm to investigate shape guidance in visual search. Journal of Vision, 2022, 22, 7.	0.3	0