

Timothy F Brady

List of Publications by Year in descending order

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92
papers

4,884
citations

257450

24
h-index

168389

53
g-index

139
all docs

139
docs citations

139
times ranked

3228
citing authors

#	ARTICLE	IF	CITATIONS
1	Visual long-term memory has a massive storage capacity for object details. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14325-14329.	7.1	799
2	A review of visual memory capacity: Beyond individual items and toward structured representations. <i>Journal of Vision</i> , 2011, 11, 4-4.	0.3	342
3	Conceptual distinctiveness supports detailed visual long-term memory for real-world objects.. <i>Journal of Experimental Psychology: General</i> , 2010, 139, 558-578.	2.1	339
4	Hierarchical Encoding in Visual Working Memory. <i>Psychological Science</i> , 2011, 22, 384-392.	3.3	308
5	Spontaneous Motor Entrainment to Music in Multiple Vocal Mimicking Species. <i>Current Biology</i> , 2009, 19, 831-836.	3.9	297
6	Scene Memory Is More Detailed Than You Think. <i>Psychological Science</i> , 2010, 21, 1551-1556.	3.3	274
7	Compression in visual working memory: Using statistical regularities to form more efficient memory representations.. <i>Journal of Experimental Psychology: General</i> , 2009, 138, 487-502.	2.1	246
8	Disentangling Scene Content from Spatial Boundary: Complementary Roles for the Parahippocampal Place Area and Lateral Occipital Complex in Representing Real-World Scenes. <i>Journal of Neuroscience</i> , 2011, 31, 1333-1340.	3.6	231
9	Statistical Learning Using Real-World Scenes. <i>Psychological Science</i> , 2008, 19, 678-685.	3.3	187
10	Modeling visual working memory with the MemToolbox. <i>Journal of Vision</i> , 2013, 13, 9-9.	0.3	161
11	A probabilistic model of visual working memory: Incorporating higher order regularities into working memory capacity estimates.. <i>Psychological Review</i> , 2013, 120, 85-109.	3.8	156
12	Working memory is not fixed-capacity: More active storage capacity for real-world objects than for simple stimuli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7459-7464.	7.1	151
13	Spatial constraints on learning in visual search: Modeling contextual cuing.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2007, 33, 798-815.	0.9	150
14	Visual Long-Term Memory Has the Same Limit on Fidelity as Visual Working Memory. <i>Psychological Science</i> , 2013, 24, 981-990.	3.3	149
15	Psychophysical scaling reveals a unified theory of visual memory strength. <i>Nature Human Behaviour</i> , 2020, 4, 1156-1172.	12.0	104
16	Individual differences in ensemble perception reveal multiple, independent levels of ensemble representation.. <i>Journal of Experimental Psychology: General</i> , 2015, 144, 432-446.	2.1	101
17	Detecting changes in real-world objects: The relationship between visual long-term memory and change blindness. <i>Communicative and Integrative Biology</i> , 2009, 2, 1-3.	1.4	95
18	Real-world objects are not represented as bound units: Independent forgetting of different object details from visual memory.. <i>Journal of Experimental Psychology: General</i> , 2013, 142, 791-808.	2.1	86

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19	The Confidence Database. <i>Nature Human Behaviour</i> , 2020, 4, 317-325.	12.0	84
20	No evidence for a fixed object limit in working memory: Spatial ensemble representations inflate estimates of working memory capacity for complex objects.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2015, 41, 921-929.	0.9	77
21	Terms of the debate on the format and structure of visual memory. <i>Attention, Perception, and Psychophysics</i> , 2014, 76, 2071-2079.	1.3	60
22	Contextual effects in visual working memory reveal hierarchically structured memory representations. <i>Journal of Vision</i> , 2015, 15, 6.	0.3	60
23	Global ensemble texture representations are critical to rapid scene perception.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2017, 43, 1160-1176.	0.9	54
24	Greater Visual Working Memory Capacity for Visually Matched Stimuli When They Are Perceived as Meaningful. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 902-918.	2.3	32
25	The role of meaning in visual working memory: Real-world objects, but not simple features, benefit from deeper processing.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2022, 48, 942-958.	0.9	25
26	Independent storage of different features of real-world objects in long-term memory.. <i>Journal of Experimental Psychology: General</i> , 2020, 149, 530-549.	2.1	23
27	Are You Smiling, or Have I Seen You Before? Familiarity Makes Faces Look Happier. <i>Psychological Science</i> , 2017, 28, 1087-1102.	3.3	22
28	Individual representations in visual working memory inherit ensemble properties.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2020, 46, 458-473.	0.9	20
29	Spatial Frequency Integration During Active Perception: Perceptual Hysteresis When an Object Recedes. <i>Frontiers in Psychology</i> , 2012, 3, 462.	2.1	19
30	The Role of Meaning in Visual Memory: Face-Selective Brain Activity Predicts Memory for Ambiguous Face Stimuli. <i>Journal of Neuroscience</i> , 2019, 39, 1100-1108.	3.6	17
31	Tracking the emergence of memories: A category-learning paradigm to explore schema-driven recognition. <i>Memory and Cognition</i> , 2017, 45, 105-120.	1.6	15
32	Ensemble statistics accessed through proxies: Range heuristic and dependence on low-level properties in variability discrimination. <i>Journal of Vision</i> , 2018, 18, 3.	0.3	15
33	Rethinking the Ranks of Visual Channels. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2022, 28, 707-717.	4.4	14
34	Separating memoranda in depth increases visual working memory performance. <i>Journal of Vision</i> , 2019, 19, 4.	0.3	12
35	When "capacity" changes with set size: Ensemble representations support the detection of across-category changes in visual working memory. <i>Journal of Vision</i> , 2019, 19, 3.	0.3	11
36	Real-world objects are not stored in holistic representations in visual working memory. <i>Journal of Vision</i> , 2021, 21, 18.	0.3	11

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37	Guidance of attention by working memory is a matter of representational fidelity.. Journal of Experimental Psychology: Human Perception and Performance, 2022, 48, 202-231.	0.9	11
38	Scaling up visual attention and visual working memory to the real world. Psychology of Learning and Motivation - Advances in Research and Theory, 2019, 70, 29-69.	1.1	10
39	Is working memory inherently more "precise" than long-term memory? Extremely high fidelity visual long-term memories for frequently encountered objects.. Journal of Experimental Psychology: Human Perception and Performance, 2020, 46, 813-830.	0.9	7
40	The contents of perceptual hypotheses: Evidence from rapid resumption of interrupted visual search. Attention, Perception, and Psychophysics, 2009, 71, 681-689.	1.3	6
41	Amplification in the evaluation of multiple emotional expressions over time. Nature Human Behaviour, 2022, 6, 1408-1416.	12.0	6
42	Target templates in low target-distractor discriminability visual search have higher resolution, but the advantage they provide is short-lived. Attention, Perception, and Psychophysics, 2021, 83, 1435-1454.	1.3	5
43	Scene layout priming relies primarily on low-level features rather than scene layout. Journal of Vision, 2019, 19, 14.	0.3	4
44	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
45	Asymmetric confidence intervals reveal hidden information in working memory. Journal of Vision, 2016, 16, 34.	0.3	2
46	Impact of a Student-Led Rheumatology Interest Group on Medical Student Interest in Rheumatology. International Journal of Rheumatology, 2019, 2019, 1-4.	1.6	1
47	The role of meaning in visual working memory: Real-world objects, but not simple features, benefit from deeper processing. Journal of Vision, 2021, 21, 2644.	0.3	1
48	A quantitative model of ensemble perception as summed patterns of activation in feature space. Journal of Vision, 2021, 21, 2315.	0.3	1
49	Perceptually-matched images that are meaningful are remembered better and result in increased CDA in visual working memory. Journal of Vision, 2018, 18, 105.	0.3	1
50	Is set size six really set size six? Relational coding in visual working memory.. Journal of Vision, 2019, 19, 134a.	0.3	1
51	Natural variation in the representational fidelity between multiple working memory items can explain which item guides attention. Journal of Vision, 2020, 20, 1616.	0.3	1
52	Noisy perceptual expectations: Multiple object tracking benefits when objects obey features of realistic physics.. Journal of Experimental Psychology: Human Perception and Performance, 2020, 46, 1280-1300.	0.9	1
53	Effects of category learning strategies on recognition memory. Memory and Cognition, 2021, , 1.	1.6	0
54	Visual Hindsight Bias for Mammogram Abnormalities in Expert Radiologists. Journal of Vision, 2021, 21, 2395.	0.3	0

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55	Category labels do not improve working memory performance for ambiguous shapes. <i>Journal of Vision</i> , 2021, 21, 2778.	0.3	0
56	Deep-net-derived surface estimations from natural scenes predict voxel responses in scene-selective cortex. <i>Journal of Vision</i> , 2021, 21, 2805.	0.3	0
57	Interactions between items within working memory overpower biases from recent history and long-term category priors. <i>Journal of Vision</i> , 2021, 21, 2708.	0.3	0
58	Encoding specificity in face memory: Face masks harm long-term memory for faces, but wearing the same (unique) mask each time is best. <i>Journal of Vision</i> , 2021, 21, 2792.	0.3	0
59	Chunking is not all-or-none: hierarchical representations preserve perceptual detail within chunks. <i>Journal of Vision</i> , 2021, 21, 2312.	0.3	0
60	Real World Objects in the Attentional Blink. <i>Journal of Vision</i> , 2021, 21, 2989.	0.3	0
61	Remembering similar items results in better visual working memory performance due to chunking and not due to more detailed encoding. <i>Journal of Vision</i> , 2021, 21, 2870.	0.3	0
62	Using a betting game to directly reveal the rich nature of visual working memories. <i>Journal of Vision</i> , 2015, 15, 1290.	0.3	0
63	Visual working memory relies on separate viewpoint-specific ensemble and viewpoint-invariant object representations. <i>Journal of Vision</i> , 2016, 16, 32.	0.3	0
64	Remembering stimuli in different depth planes increases visual working memory precision and reduces swap errors.. <i>Journal of Vision</i> , 2017, 17, 848.	0.3	0
65	Reconsidering the focus of attention: Cued items contain more information but are not more accessible. <i>Journal of Vision</i> , 2017, 17, 874.	0.3	0
66	Binding errors in long-term memory: Independent storage of different features of real-world objects. <i>Journal of Vision</i> , 2017, 17, 1114.	0.3	0
67	Proactive interference results from visual working memory, not just contamination from visual long-term memory. <i>Journal of Vision</i> , 2017, 17, 1283.	0.3	0
68	No distinction between capacity and resolution in working memory: A single memory strength parameter explains the shape of visual working memory response distributions. <i>Journal of Vision</i> , 2018, 18, 672.	0.3	0
69	Repetition allows for long-term memories that are as precise as the best working memories. <i>Journal of Vision</i> , 2018, 18, 1306.	0.3	0
70	Ensemble Statistics are (only) Accessed through Proxies: Range and Spatial Texture Heuristics in Variability Discrimination. <i>Journal of Vision</i> , 2018, 18, 78.	0.3	0
71	The minimal proactive interference observed with real-world objects in a visual working memory task is not location-specific. <i>Journal of Vision</i> , 2018, 18, 694.	0.3	0
72	Episodic Memory Replaces Active Maintenance in Working Memory When Available. <i>Journal of Vision</i> , 2018, 18, 187.	0.3	0

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73	The impact of perceptual encoding on subsequent visual memory. <i>Journal of Vision</i> , 2018, 18, 1361.	0.3	0
74	Multiple visual working memory items can guide attention and facilitate perceptual processing. <i>Journal of Vision</i> , 2018, 18, 682.	0.3	0
75	Real-world objects are not stored in bound representations in visual working memory. <i>Journal of Vision</i> , 2018, 18, 700.	0.3	0
76	Similar items repel each other in visual working memory. <i>Journal of Vision</i> , 2018, 18, 679.	0.3	0
77	Entities also require relational coding and binding. <i>Behavioral and Brain Sciences</i> , 2019, 42, e285.	0.7	0
78	Attribute Amnesia Reveals a Dependency on Conceptual Activation for Memory Consolidation. <i>Journal of Vision</i> , 2019, 19, 268b.	0.3	0
79	Dissociating visual working memory for objects and scene layout. <i>Journal of Vision</i> , 2019, 19, 201.	0.3	0
80	Memory capacity meets expertise: increased capacity for abnormal images in expert radiologists. <i>Journal of Vision</i> , 2019, 19, 74.	0.3	0
81	The contributions of visual details vs semantic information to visual long-term memory. <i>Journal of Vision</i> , 2019, 19, 292.	0.3	0
82	The importance of distinguishing between subjective and objective guessing in visual working memory. <i>Journal of Vision</i> , 2019, 19, 74a.	0.3	0
83	Unambiguous evidence in favor of a signal detection model of visual working memory. <i>Journal of Vision</i> , 2019, 19, 82.	0.3	0
84	Lingering population codes: Serial dependence in working memory reports as evidence for population-based memory representations. <i>Journal of Vision</i> , 2020, 20, 1557.	0.3	0
85	Decision strategy matters: Different testing procedures can change decision strategies and lead to spurious effects on estimates of visual working memory sensitivity. <i>Journal of Vision</i> , 2020, 20, 611.	0.3	0
86	Information about all items is actively held in mind when computing ensemble statistics about a set. <i>Journal of Vision</i> , 2020, 20, 1523.	0.3	0
87	Many exposures to a real-world object without knowing the details: The focus of attention does not include entire objects but only the relevant level of abstraction. <i>Journal of Vision</i> , 2020, 20, 1740.	0.3	0
88	Global scene similarity structure predicts memory performance. <i>Journal of Vision</i> , 2020, 20, 614.	0.3	0
89	Hierarchical representations in visual working memory are space-based. <i>Journal of Vision</i> , 2020, 20, 351.	0.3	0
90	The role of object files in visual working memory: Facilitating integration over longer timescales for moving objects. <i>Journal of Vision</i> , 2020, 20, 1208.	0.3	0

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91	Evaluating the independence of working memory for scene layout and simple features. <i>Journal of Vision</i> , 2020, 20, 1576.	0.3	0
92	Individual items in visual working memory inherit ensemble properties. <i>Journal of Vision</i> , 2020, 20, 476.	0.3	0