Paul M Bays

List of Publications by Year
in descending order

68 papers	6,158 citations	147566 31 h-index	128067 60 g-index
80 all docs	80 docs citations	80 times ranked	3898 citing authors

#	Article	IF	Citations
1	Role of time in binding features in visual working memory.. Psychological Review, 2023, 130, 137-154.	2.7	6
2	Swap errors in visual working memory are fully explained by cue-feature variability. Cognitive Psychology, 2022, 137, 101493.	0.9	13
3	Consequence of stroke for feature recall and binding in visual working memory. Neurobiology of Learning and Memory, 2021, 179, 107387.	1.0	9
4	Location-independent feature binding in visual working memory for sequentially presented objects. Attention, Perception, and Psychophysics, 2021, 83, 2377-2393.	0.7	9
5	Transsaccadic integration relies on a limited memory resource. Journal of Vision, 2021, 21, 24.	0.1	4
6	Transsaccadic integration operates independently in different feature dimensions. Journal of Vision, 2021, 21, 7.	0.1	0
7	Limited memory for ensemble statistics in visual change detection. Cognition, 2021, 214, 104763.	1.1	6
8	Mechanisms of feature binding in visual working memory are stable over long delays. Journal of Vision, 2021, 21, 7.	0.1	1
9	Stochastic sampling provides a unifying account of visual working memory limits. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20959-20968.	3.3	44
10	Theory of neural coding predicts an upper bound on estimates of memory variability.. Psychological Review, 2020, 127, 700-718.	2.7	14
11	Recall of facial expressions and simple orientations reveals competition for resources at multiple levels of the visual hierarchy. Journal of Vision, 2019, 19, 8.	0.1	5
12	Flexible updating of dynamic knowledge structures. Scientific Reports, 2019, 9, 2272.	1.6	20
13	The effect of frontoparietal paired associative stimulation on decision-making and working memory. Cortex, 2019, 117, 266-276.	1.1	19
14	Independent working memory resources for egocentric and allocentric spatial information. PLoS Computational Biology, 2019, 15, e1006563.	1.5	20
15	New perspectives on binding in visual working memory. British Journal of Psychology, 2019, 110, 207-244.	1.2	54
16	Theory of neural coding predicts an upper bound on estimates of memory variability. Journal of Vision, 2019, 19, 203b.	0.1	1
17	Working memory resources can be efficiently deallocated from items that become obsolete. Journal of Vision, 2019, 19, 77c.	0.1	0
18	Visual Working Memory Is Independent of the Cortical Spacing Between Memoranda. Journal of Neuroscience, 2018, 38, 3116-3123.	1.7	26

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19	Reassessing the Evidence for Capacity Limits in Neural Signals Related to Working Memory. Cerebral Cortex, 2018, 28, 1432-1438.	1.6	21
20	A neural model of retrospective attention in visual working memory. Cognitive Psychology, 2018, 100, 43-52.	0.9	34
21	Drift in Neural Population Activity Causes Working Memory to Deteriorate Over Time. Journal of Neuroscience, 2018, 38, 4859-4869.	1.7	47
22	The ipsilesional attention bias in right-hemisphere stroke patients as revealed by a realistic visual search task: Neuroanatomical correlates and functional relevance.. Neuropsychology, 2018, 32, 850-865.	1.0	28
23	Functions of Memory Across Saccadic Eye Movements. Current Topics in Behavioral Neurosciences, 2018, 41, 155-183.	0.8	24
24	Internal but not external noise frees working memory resources. PLoS Computational Biology, 2018, 14, e1006488.	1.5	7
25	Efficient Coding in Visual Working Memory Accounts for Stimulus-Specific Variations in Recall. Journal of Neuroscience, 2018, 38, 7132-7142.	1.7	41
26	Failure of self-consistency in the discrete resource model of visual working memory. Cognitive Psychology, 2018, 105, 1-8.	0.9	11
27	Efficient coding in visual working memory accounts for stimulus-specific variations in orientation recall. Journal of Vision, 2018, 18, 692.	0.1	1
28	Optimal change detection without ensemble statistics. Journal of Vision, 2018, 18, 190.	0.1	0
29	Neural Architecture for Feature Binding in Visual Working Memory. Journal of Neuroscience, 2017, 37, 3913-3925.	1.7	158
30	Automatic and intentional influences on saccade landing. Journal of Neurophysiology, 2017, 118, 1105-1122.	0.9	10
31	Reduced Hippocampal Functional Connectivity During Episodic Memory Retrieval in Autism. Cerebral Cortex, 2017, 27, 888-902.	1.6	90
32	Restoration of fMRI Decodability Does Not Imply Latent Working Memory States. Journal of Cognitive Neuroscience, 2017, 29, 1977-1994.	1.1	38
33	Fidelity of the representation of value in decision-making. PLoS Computational Biology, 2017, 13, e1005405.	1.5	4
34	Drift, not decay, in neural population activity causes working memory to deteriorate over time. Journal of Vision, 2017, 17, 1280.	0.1	1
35	Dissociable effects of stimulus capture, global effect and task intention in saccade targeting. Journal of Vision, 2017, 17, 903.	0.1	0
36	A signature of neural coding at human perceptual limits. Journal of Vision, 2016, 16, 4.	0.1	18

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37	No fixed item limit in visuospatial working memory. Cortex, 2016, 83, 181-193.	1.1	78
38	Competition between movement plans increases motor variability: evidence of a shared resource for movement planning. Journal of Neurophysiology, 2016, 116, 1295-1303.	0.9	23
39	Evaluating and excluding swap errors in analogue tests of working memory. Scientific Reports, 2016, 6, 19203.	1.6	66
40	Distinct neural mechanisms underlie the success, precision, and vividness of episodic memory. ELife, 2016, 5, .	2.8	182
41	Neural architecture for binding in visual working memory. Journal of Vision, 2016, 16, 1431.	0.1	0
42	Eyeâ€Search: A webâ€based therapy that improves visual search in hemianopia. Annals of Clinical and Translational Neurology, 2015, 2, 74-78.	1.7	28
43	Evidence for Optimal Integration of Visual Feature Representations across Saccades. Journal of Neuroscience, 2015, 35, 10146-10153.	1.7	59
44	A Probabilistic Palimpsest Model of Visual Short-term Memory. PLoS Computational Biology, 2015, 11, e1004003.	1.5	46
45	Spikes not slots: noise in neural populations limits working memory. Trends in Cognitive Sciences, 2015, 19, 431-438.	4.0	135
46	Working memory retrieval as a decision process. Journal of Vision, 2014, 14, 2-2.	0.1	47
47	Noise in Neural Populations Accounts for Errors in Working Memory. Journal of Neuroscience, 2014, 34, 3632-3645.	1.7	182
48	Changing concepts of working memory. Nature Neuroscience, 2014, 17, 347-356.	7.1	799
49	Functional Magnetic Resonance Imaging of Impaired Sensory Prediction in Schizophrenia. JAMA Psychiatry, 2014, 71, 28.	6.0	138
50	Age-related decline of precision and binding in visual working memory.. Psychology and Aging, 2013, 28, 729-743.	1.4	99
51	Rapid forgetting prevented by retrospective attention cues.. Journal of Experimental Psychology: Human Perception and Performance, 2013, 39, 1224-1231.	0.7	188
52	Obligatory encoding of task-irrelevant features depletes working memory resources. Journal of Vision, 2013, 13, 21-21.	0.1	47
53	Active inhibition and memory promote exploration and search of natural scenes. Journal of Vision, 2012, 12, 8-8.	0.1	43
54	Development of visual working memory precision in childhood. Developmental Science, 2012, 15, 528-539.	1.3	70

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55	Precision of working memory for visual motion sequences and transparent motion surfaces. Journal of Vision, 2011, 11, 2-2.	0.1	51
56	Storage and binding of object features in visual working memory. Neuropsychologia, 2011, 49, 1622-1631.	0.7	195
57	Temporal dynamics of encoding, storage, and reallocation of visual working memory. Journal of Vision, 2011, 11, 6-6.	0.1	178
58	Dynamic Updating of Working Memory Resources for Visual Objects. Journal of Neuroscience, 2011, 31, 8502-8511.	1.7	229
59	Integration of Goal- and Stimulus-Related Visual Signals Revealed by Damage to Human Parietal Cortex. Journal of Neuroscience, 2010, 30, 5968-5978.	1.7	76
60	Response to Comment on "Dynamic Shifts of Limited Working Memory Resources in Human Vision". Science, 2009, 323, 877-877.	6.0	25
61	The precision of visual working memory is set by allocation of a shared resource. Journal of Vision, 2009, 9, 7-7.	0.1	662
62	Dynamic Shifts of Limited Working Memory Resources in Human Vision. Science, 2008, 321, 851-854.	6.0	929
63	Spatial remapping of the visual world across saccades. NeuroReport, 2007, 18, 1207-1213.	0.6	72
64	Computational principles of sensorimotor control that minimize uncertainty and variability. Journal of Physiology, 2007, 578, 387-396.	1.3	284
65	Attenuation of Self-Generated Tactile Sensations Is Predictive, not Postdictive. PLoS Biology, 2006, 4, e28.	2.6	170
66	Actions and Consequences in Bimanual Interaction Are Represented in Different Coordinate Systems. Journal of Neuroscience, 2006, 26, 7121-7126.	1.7	25
67	Perception of the Consequences of Self-Action Is Temporally Tuned and Event Driven. Current Biology, 2005, 15, 1125-1128.	1.8	193
68	Interference between velocity-dependent and position-dependent force-fields indicates that tasks depending on different kinematic parameters compete for motor working memory. Experimental Brain Research, 2005, 163, 400-405.	0.7	38