

Marvin M Chun

List of Publications by Year in descending order

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Version: 2024-02-01

147
papers

29,644
citations

12303

69
h-index

12233

133
g-index

161
all docs

161
docs citations

161
times ranked

17350
citing authors

#	ARTICLE	IF	CITATIONS
1	A brain-based general measure of attention. <i>Nature Human Behaviour</i> , 2022, 6, 782-795.	6.2	12
2	A cognitive state transformation model for task-general and task-specific subsystems of the brain connectome. <i>NeuroImage</i> , 2022, 257, 119279.	2.1	4
3	The contribution of object identity and configuration to scene representation in convolutional neural networks. <i>PLoS ONE</i> , 2022, 17, e0270667.	1.1	4
4	Using functional connectivity models to characterize relationships between working and episodic memory. <i>Brain and Behavior</i> , 2021, 11, e02105.	1.0	5
5	Visual memorability in the absence of semantic content. <i>Cognition</i> , 2021, 212, 104714.	1.1	14
6	Predicting identity-preserving object transformations across the human ventral visual stream. <i>Journal of Neuroscience</i> , 2021, 41, JN-RM-2137-20.	1.7	4
7	Functional Connectivity during Encoding Predicts Individual Differences in Long-Term Memory. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 2279-2296.	1.1	3
8	Predicting multilingual effects on executive function and individual connectomes in children: An ABCD study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2110811118.	3.3	7
9	Distributed Patterns of Functional Connectivity Predict Working Memory Performance in Novel Healthy and Memory-impaired Individuals. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 241-255.	1.1	62
10	Connectome-based neurofeedback: A pilot study to improve sustained attention. <i>NeuroImage</i> , 2020, 212, 116684.	2.1	28
11	Functional connectivity predicts changes in attention observed across minutes, days, and months. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3797-3807.	3.3	128
12	Searching through functional space reveals distributed visual, auditory, and semantic coding in the human brain. <i>PLoS Computational Biology</i> , 2020, 16, e1008457.	1.5	4
13	Title is missing!. , 2020, 16, e1008457.		0
14	Title is missing!. , 2020, 16, e1008457.		0
15	Title is missing!. , 2020, 16, e1008457.		0
16	Title is missing!. , 2020, 16, e1008457.		0
17	Title is missing!. , 2020, 16, e1008457.		0
18	Title is missing!. , 2020, 16, e1008457.		0

#	ARTICLE	IF	CITATIONS
19	An information network flow approach for measuring functional connectivity and predicting behavior. <i>Brain and Behavior</i> , 2019, 9, e01346.	1.0	12
20	Multivariate approaches improve the reliability and validity of functional connectivity and prediction of individual behaviors. <i>NeuroImage</i> , 2019, 197, 212-223.	2.1	66
21	The Functional Brain Organization of an Individual Allows Prediction of Measures of Social Abilities Transdiagnostically in Autism and Attention-Deficit/Hyperactivity Disorder. <i>Biological Psychiatry</i> , 2019, 86, 315-326.	0.7	95
22	Dynamic functional connectivity during task performance and rest predicts individual differences in attention across studies. <i>NeuroImage</i> , 2019, 188, 14-25.	2.1	133
23	Opportunities and challenges for a maturing science of consciousness. <i>Nature Human Behaviour</i> , 2019, 3, 104-107.	6.2	58
24	Deep learning fMRI classification of temporal codes during naturalistic movie viewing and memory recall. <i>Journal of Vision</i> , 2019, 19, 203a.	0.1	0
25	Image memorability is driven by visual and conceptual distinctiveness. <i>Journal of Vision</i> , 2019, 19, 290c.	0.1	0
26	Zero-shot neural decoding from rhesus macaque inferior temporal cortex using deep convolutional neural networks. <i>Journal of Vision</i> , 2019, 19, 209a.	0.1	1
27	Resting-state functional connectivity predicts neuroticism and extraversion in novel individuals. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 224-232.	1.5	137
28	Connectome-based Models Predict Separable Components of Attention in Novel Individuals. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 160-173.	1.1	82
29	Connectome-based predictive modeling of attention: Comparing different functional connectivity features and prediction methods across datasets. <i>NeuroImage</i> , 2018, 167, 11-22.	2.1	139
30	Predicting eye movement patterns from fMRI responses to natural scenes. <i>Nature Communications</i> , 2018, 9, 5159.	5.8	27
31	Resting-State Functional Connectivity Predicts Cognitive Impairment Related to Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 94.	1.7	75
32	General Transformations of Object Representations in Human Visual Cortex. <i>Journal of Neuroscience</i> , 2018, 38, 8526-8537.	1.7	15
33	Visual memorability in the absence of semantic content. <i>Journal of Vision</i> , 2018, 18, 1302.	0.1	2
34	Lower Parietal Encoding Activation Is Associated with Sharper Information and Better Memory. <i>Cerebral Cortex</i> , 2017, 27, bhw097.	1.6	32
35	Characterizing Attention with Predictive Network Models. <i>Trends in Cognitive Sciences</i> , 2017, 21, 290-302.	4.0	121
36	Using connectome-based predictive modeling to predict individual behavior from brain connectivity. <i>Nature Protocols</i> , 2017, 12, 506-518.	5.5	766

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37	Studying Consciousness Through Inattentional Blindness, Change Blindness, and the Attentional Blink. , 2017, , 537-550.		2
38	Deep neural network features decoded from fMRI responses to scenes predict eye movements. Journal of Vision, 2017, 17, 1273.	0.1	0
39	Methylphenidate Modulates Functional Network Connectivity to Enhance Attention. Journal of Neuroscience, 2016, 36, 9547-9557.	1.7	88
40	Statistical learning of movement. Psychonomic Bulletin and Review, 2016, 23, 1913-1919.	1.4	1
41	Memory-Guided Attention: Independent Contributions of the Hippocampus and Striatum. Neuron, 2016, 89, 317-324.	3.8	99
42	Neural Discriminability of Object Features Predicts Perceptual Organization. Psychological Science, 2016, 27, 3-11.	1.8	2
43	A neuromarker of sustained attention from whole-brain functional connectivity. Nature Neuroscience, 2016, 19, 165-171.	7.1	833
44	Predicting moment-to-moment attentional state. NeuroImage, 2015, 114, 249-256.	2.1	58
45	Opponent Identity Influences Value Learning in Simple Games. Journal of Neuroscience, 2015, 35, 11133-11143.	1.7	7
46	Functional connectome fingerprinting: identifying individuals using patterns of brain connectivity. Nature Neuroscience, 2015, 18, 1664-1671.	7.1	2,191
47	Successful Remembering Elicits Event-Specific Activity Patterns in Lateral Parietal Cortex. Journal of Neuroscience, 2014, 34, 8051-8060.	1.7	200
48	Neural antecedents of social decision-making in a partner choice task. Social Cognitive and Affective Neuroscience, 2014, 9, 1722-1729.	1.5	8
49	Neural portraits of perception: Reconstructing face images from evoked brain activity. NeuroImage, 2014, 94, 12-22.	2.1	96
50	The Effect of Attention on Repetition Suppression and Multivoxel Pattern Similarity. Journal of Cognitive Neuroscience, 2013, 25, 1305-1314.	1.1	23
51	Repetition Suppression and Multi-Voxel Pattern Similarity Differentially Track Implicit and Explicit Visual Memory. Journal of Neuroscience, 2013, 33, 14749-14757.	1.7	98
52	Complementary attentional components of successful memory encoding. NeuroImage, 2013, 66, 553-562.	2.1	43
53	Dissociable Neural Mechanisms for Goal-Directed Versus Incidental Memory Reactivation. Journal of Neuroscience, 2013, 33, 16099-16109.	1.7	67
54	Neurolaw: Differential brain activity for Black and White faces predicts damage awards in hypothetical employment discrimination cases. Social Neuroscience, 2012, 7, 398-409.	0.7	15

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55	Neural Reactivation Reveals Mechanisms for Updating Memory. <i>Journal of Neuroscience</i> , 2012, 32, 3453-3461.	1.7	87
56	Category-Selective Background Connectivity in Ventral Visual Cortex. <i>Cerebral Cortex</i> , 2012, 22, 391-402.	1.6	105
57	Attending to the Present When Remembering the Past. <i>Neuron</i> , 2012, 75, 944-947.	3.8	3
58	The attentional requirements of consciousness. <i>Trends in Cognitive Sciences</i> , 2012, 16, 411-417.	4.0	243
59	Response to Tsuchiya et al.: considering endogenous and exogenous attention. <i>Trends in Cognitive Sciences</i> , 2012, 16, 528.	4.0	8
60	Perceptual averaging by eye and ear: Computing summary statistics from multimodal stimuli. <i>Attention, Perception, and Psychophysics</i> , 2012, 74, 810-815.	0.7	36
61	Ubiquity and Specificity of Reinforcement Signals throughout the Human Brain. <i>Neuron</i> , 2011, 72, 166-177.	3.8	223
62	Memory: Enduring Traces of Perceptual and Reflective Attention. <i>Neuron</i> , 2011, 72, 520-535.	3.8	159
63	Visual working memory as visual attention sustained internally over time. <i>Neuropsychologia</i> , 2011, 49, 1407-1409.	0.7	242
64	A Taxonomy of External and Internal Attention. <i>Annual Review of Psychology</i> , 2011, 62, 73-101.	9.9	1,027
65	Attention doesn't slide: spatiotopic updating after eye movements instantiates a new, discrete attentional locus. <i>Attention, Perception, and Psychophysics</i> , 2011, 73, 7-14.	0.7	44
66	Increases in rewards promote flexible behavior. <i>Attention, Perception, and Psychophysics</i> , 2011, 73, 938-952.	0.7	69
67	Fidelity of neural reactivation reveals competition between memories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5903-5908.	3.3	165
68	Eye Movements Help Link Different Views in Scene-Selective Cortex. <i>Cerebral Cortex</i> , 2011, 21, 2094-2102.	1.6	16
69	Robustness of the retinotopic attentional trace after eye movements. <i>Journal of Vision</i> , 2010, 10, 1-12.	0.1	54
70	Predictive spatial working memory content guides visual search. <i>Visual Cognition</i> , 2010, 18, 574-590.	0.9	5
71	Object-Based Warping. <i>Psychological Science</i> , 2010, 21, 1759-1764.	1.8	15
72	Attentional Facilitation throughout Human Visual Cortex Lingers in Retinotopic Coordinates after Eye Movements. <i>Journal of Neuroscience</i> , 2010, 30, 10493-10506.	1.7	68

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73	Refreshing and Integrating Visual Scenes in Scene-selective Cortex. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2813-2822.	1.1	21
74	Implicit Perceptual Anticipation Triggered by Statistical Learning. <i>Journal of Neuroscience</i> , 2010, 30, 11177-11187.	1.7	322
75	Enhanced Visual Motion Perception in Major Depressive Disorder. <i>Journal of Neuroscience</i> , 2009, 29, 9072-9077.	1.7	98
76	Neural Evidence of Statistical Learning: Efficient Detection of Visual Regularities Without Awareness. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 1934-1945.	1.1	399
77	The contents of perceptual hypotheses: Evidence from rapid resumption of interrupted visual search. <i>Attention, Perception, and Psychophysics</i> , 2009, 71, 681-689.	0.7	6
78	Selecting and perceiving multiple visual objects. <i>Trends in Cognitive Sciences</i> , 2009, 13, 167-174.	4.0	229
79	Different roles of the parahippocampal place area (PPA) and retrosplenial cortex (RSC) in panoramic scene perception. <i>NeuroImage</i> , 2009, 47, 1747-1756.	2.1	194
80	Spatiotemporal object continuity in human ventral visual cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8840-8845.	3.3	35
81	Neural Dissociation of Delay and Uncertainty in Intertemporal Choice. <i>Journal of Neuroscience</i> , 2008, 28, 14459-14466.	1.7	152
82	The Native Coordinate System of Spatial Attention Is Retinotopic. <i>Journal of Neuroscience</i> , 2008, 28, 10654-10662.	1.7	161
83	Neural predictors of moment-to-moment fluctuations in cognitive flexibility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13592-13597.	3.3	141
84	When a Thought Equals a Look: Refreshing Enhances Perceptual Memory. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 1371-1380.	1.1	38
85	Babies and Brains: Habituation in Infant Cognition and Functional Neuroimaging. <i>Frontiers in Human Neuroscience</i> , 2008, 2, 16.	1.0	72
86	Associative Learning Mechanisms in Vision. , 2008, , 209-246.		26
87	Visual grouping in human parietal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18766-18771.	3.3	148
88	Dissociating Task Performance from fMRI Repetition Attenuation in Ventral Visual Cortex. <i>Journal of Neuroscience</i> , 2007, 27, 5981-5985.	1.7	72
89	Spatial constraints on learning in visual search: Modeling contextual cuing. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2007, 33, 798-815.	0.7	150
90	Concurrent working memory load can facilitate selective attention: Evidence for specialized load. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2007, 33, 1062-1075.	0.7	83

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91	Beyond the Edges of a View: Boundary Extension in Human Scene-Selective Visual Cortex. <i>Neuron</i> , 2007, 54, 335-342.	3.8	99
92	How is spatial context learning integrated over signal versus noise? A primacy effect in contextual cueing. <i>Visual Cognition</i> , 2007, 15, 1-11.	0.9	96
93	Interactions between attention and memory. <i>Current Opinion in Neurobiology</i> , 2007, 17, 177-184.	2.0	459
94	Attentional modulation of the amygdala varies with personality. <i>NeuroImage</i> , 2006, 31, 934-944.	2.1	118
95	Linking Implicit and Explicit Memory: Common Encoding Factors and Shared Representations. <i>Neuron</i> , 2006, 49, 917-927.	3.8	208
96	Dissociable neural mechanisms supporting visual short-term memory for objects. <i>Nature</i> , 2006, 440, 91-95.	13.7	851
97	Response-specific sources of dual-task interference in human pre-motor cortex. <i>Psychological Research</i> , 2006, 70, 436-447.	1.0	49
98	Shape-specific perceptual learning in a figure-ground segregation task. <i>Vision Research</i> , 2006, 46, 914-924.	0.7	14
99	Attentional modulation of repetition attenuation is anatomically dissociable for scenes and faces. <i>Brain Research</i> , 2006, 1080, 53-62.	1.1	76
100	The role of working memory and long-term memory in visual search. <i>Visual Cognition</i> , 2006, 14, 808-830.	0.9	49
101	Attentional rubbernecking: Cognitive control and personality in emotion-induced blindness. <i>Psychonomic Bulletin and Review</i> , 2005, 12, 654-661.	1.4	315
102	Delayed Attentional Engagement in the Attentional Blink.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2005, 31, 1463-1475.	0.7	127
103	Visual Attention in Deaf and Normal Hearing Adults. <i>Journal of Speech, Language, and Hearing Research</i> , 2005, 48, 1529-1537.	0.7	69
104	Attentional Modulation of Learning-Related Repetition Attenuation Effects in Human Parahippocampal Cortex. <i>Journal of Neuroscience</i> , 2005, 25, 3593-3600.	1.7	153
105	Concurrent working memory load can reduce distraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16524-16529.	3.3	167
106	Drug-induced amnesia impairs implicit relational memory. <i>Trends in Cognitive Sciences</i> , 2005, 9, 355-357.	4.0	16
107	Contextual Guidance of Visual Attention. , 2005, , 246-250.		12
108	A Common Parieto-Frontal Network Is Recruited Under Both Low Visibility and High Perceptual Interference Conditions. <i>Journal of Neurophysiology</i> , 2004, 92, 2985-2992.	0.9	36

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109	Neural fate of ignored stimuli: dissociable effects of perceptual and working memory load. <i>Nature Neuroscience</i> , 2004, 7, 992-996.	7.1	198
110	The Neural Fate of Consciously Perceived and Missed Events in the Attentional Blink. <i>Neuron</i> , 2004, 41, 465-472.	3.8	311
111	Implicit scene learning is viewpoint dependent. <i>Perception & Psychophysics</i> , 2003, 65, 72-80.	2.3	86
112	Effects of scene inversion on change detection of targets matched for visual salience. <i>Journal of Vision</i> , 2003, 3, 1.	0.1	78
113	Scene Perception and Memory. <i>Psychology of Learning and Motivation - Advances in Research and Theory</i> , 2003, , 79-108.	0.5	21
114	Implicit, long-term spatial contextual memory.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2003, 29, 224-234.	0.7	321
115	Visual marking: Selective attention to asynchronous temporal groups.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2002, 28, 717-730.	0.7	99
116	Visual marking: Dissociating effects of new and old set size.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2002, 28, 293-302.	0.7	22
117	Perceptual constraints on implicit learning of spatial context. <i>Visual Cognition</i> , 2002, 9, 273-302.	0.9	165
118	Perceptual learning of temporal structure. <i>Vision Research</i> , 2002, 42, 3019-3030.	0.7	7
119	The dark side of visual attention. <i>Current Opinion in Neurobiology</i> , 2002, 12, 184-189.	2.0	122
120	Visual marking: dissociating effects of new and old set size. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2002, 28, 293-302.	0.7	19
121	The spatial gradient of visual masking by object substitution. <i>Vision Research</i> , 2001, 41, 3121-3131.	0.7	28
122	Temporal contextual cuing of visual attention.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2001, 27, 1299-1313.	0.7	123
123	Effects of phonological length on the attentional blink for words.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2001, 27, 1116-1123.	0.7	29
124	The influence of temporal selection on spatial selection and distractor interference: An attentional blink study.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2001, 27, 664-679.	0.7	31
125	Asymmetric object substitution masking.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2001, 27, 895-918.	0.7	48
126	What are the units of visual short-term memory, objects or spatial locations?. <i>Perception & Psychophysics</i> , 2001, 63, 253-257.	2.3	98

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127	Selective attention modulates implicit learning. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2001, 54, 1105-1124.	2.3	229
128	Temporal contextual cuing of visual attention. Journal of Experimental Psychology: Learning Memory and Cognition, 2001, 27, 1299-313.	0.7	76
129	Organization of visual short-term memory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2000, 26, 683-702.	0.7	454
130	Neural Correlates of the Attentional Blink. Neuron, 2000, 28, 299-308.	3.8	228
131	Contextual cueing of visual attention. Trends in Cognitive Sciences, 2000, 4, 170-178.	4.0	632
132	On the Functional Role of Implicit Visual Memory for the Adaptive Deployment of Attention Across Scenes. Visual Cognition, 2000, 7, 65-81.	0.9	244
133	Memory deficits for implicit contextual information in amnesic subjects with hippocampal damage. Nature Neuroscience, 1999, 2, 844-847.	7.1	512
134	Top-Down Attentional Guidance Based on Implicit Learning of Visual Covariation. Psychological Science, 1999, 10, 360-365.	1.8	440
135	Contextual Cueing: Implicit Learning and Memory of Visual Context Guides Spatial Attention. Cognitive Psychology, 1998, 36, 28-71.	0.9	1,682
136	Vision and attention: the role of training. Nature, 1998, 393, 425-425.	13.7	13
137	Two attentional deficits in serial target search: The visual attentional blink and an amodal task-switch deficit.. Journal of Experimental Psychology: Learning Memory and Cognition, 1998, 24, 979-992.	0.7	231
138	Seeing Two as One: Linking Apparent Motion and Repetition Blindness. Psychological Science, 1997, 8, 74-79.	1.8	49
139	The Fusiform Face Area: A Module in Human Extrastriate Cortex Specialized for Face Perception. Journal of Neuroscience, 1997, 17, 4302-4311.	1.7	6,909
140	Types and tokens in visual processing: A double dissociation between the attentional blink and repetition blindness.. Journal of Experimental Psychology: Human Perception and Performance, 1997, 23, 738-755.	0.7	122
141	Attentional requirements in a "preattentive" feature search task. Nature, 1997, 387, 805-807.	13.7	399
142	Temporal binding errors are redistributed by the attentional blink. Perception & Psychophysics, 1997, 59, 1191-1199.	2.3	110
143	Functional imaging of human visual recognition. Cognitive Brain Research, 1996, 5, 55-67.	3.3	202
144	Just Say No: How Are Visual Searches Terminated When There Is No Target Present?. Cognitive Psychology, 1996, 30, 39-78.	0.9	373

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145	A two-stage model for multiple target detection in rapid serial visual presentation.. Journal of Experimental Psychology: Human Perception and Performance, 1995, 21, 109-127.	0.7	1,125
146	Selective attention modulates implicit learning. , 0, .		51
147	Predicting Eye Movements from Deep Neural Network Activity Decoded from fMRI Responses to Natural Scenes. SSRN Electronic Journal, 0, , .	0.4	0