Marvin M Chun

List of Publications by Year
in descending order

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147 papers	29,644 citations	12330 69 h-index	11939 134 g-index
161 all docs	161 docs citations	161 times ranked	17350 citing authors

#	Article	IF	Citations
1	The Fusiform Face Area: A Module in Human Extrastriate Cortex Specialized for Face Perception. Journal of Neuroscience, 1997, 17, 4302-4311.	3.6	6,909
2	Functional connectome fingerprinting: identifying individuals using patterns of brain connectivity. Nature Neuroscience, 2015, 18, 1664-1671.	14.8	2,191
3	Contextual Cueing: Implicit Learning and Memory of Visual Context Guides Spatial Attention. Cognitive Psychology, 1998, 36, 28-71.	2.2	1,682
4	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.	0.9	1,125
5	A Taxonomy of External and Internal Attention. Annual Review of Psychology, 2011, 62, 73-101.	17.7	1,027
6	Dissociable neural mechanisms supporting visual short-term memory for objects. Nature, 2006, 440, 91-95.	27.8	851
7	A neuromarker of sustained attention from whole-brain functional connectivity. Nature Neuroscience, 2016, 19, 165-171.	14.8	833
8	Using connectome-based predictive modeling to predict individual behavior from brain connectivity. Nature Protocols, 2017, 12, 506-518.	12.0	766
9	Contextual cueing of visual attention. Trends in Cognitive Sciences, 2000, 4, 170-178.	7.8	632
10	Memory deficits for implicit contextual information in amnesic subjects with hippocampal damage. Nature Neuroscience, 1999, 2, 844-847.	14.8	512
11	Interactions between attention and memory. Current Opinion in Neurobiology, 2007, 17, 177-184.	4.2	459
12	Organization of visual short-term memory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2000, 26, 683-702.	0.9	454
13	Top-Down Attentional Guidance Based on Implicit Learning of Visual Covariation. Psychological Science, 1999, 10, 360-365.	3.3	440
14	Attentional requirements in a â€˜preattentiveâ€™ feature search task. Nature, 1997, 387, 805-807.	27.8	399
15	Neural Evidence of Statistical Learning: Efficient Detection of Visual Regularities Without Awareness. Journal of Cognitive Neuroscience, 2009, 21, 1934-1945.	2.3	399
16	Just Say No: How Are Visual Searches Terminated When There Is No Target Present?. Cognitive Psychology, 1996, 30, 39-78.	2.2	373
17	Implicit Perceptual Anticipation Triggered by Statistical Learning. Journal of Neuroscience, 2010, 30, 11177-11187.	3.6	322
18	Implicit, long-term spatial contextual memory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2003, 29, 224-234.	0.9	321

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19	Attentional rubbernecking: Cognitive control and personality in emotion-induced blindness. Psychonomic Bulletin and Review, 2005, 12, 654-661.	2.8	315
20	The Neural Fate of Consciously Perceived and Missed Events in the Attentional Blink. Neuron, 2004, 41, 465-472.	8.1	311
21	On the Functional Role of Implicit Visual Memory for the Adaptive Deployment of Attention Across Scenes. Visual Cognition, 2000, 7, 65-81.	1.6	244
22	The attentional requirements of consciousness. Trends in Cognitive Sciences, 2012, 16, 411-417.	7.8	243
23	Visual working memory as visual attention sustained internally over time. Neuropsychologia, 2011, 49, 1407-1409.	1.6	242
24	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.	0.9	231
25	Selective attention modulates implicit learning. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2001, 54, 1105-1124.	2.3	229
26	Selecting and perceiving multiple visual objects. Trends in Cognitive Sciences, 2009, 13, 167-174.	7.8	229
27	Neural Correlates of the Attentional Blink. Neuron, 2000, 28, 299-308.	8.1	228
28	Ubiquity and Specificity of Reinforcement Signals throughout the Human Brain. Neuron, 2011, 72, 166-177.	8.1	223
29	Linking Implicit and Explicit Memory: Common Encoding Factors and Shared Representations. Neuron, 2006, 49, 917-927.	8.1	208
30	Functional imaging of human visual recognition. Cognitive Brain Research, 1996, 5, 55-67.	3.0	202
31	Successful Remembering Elicits Event-Specific Activity Patterns in Lateral Parietal Cortex. Journal of Neuroscience, 2014, 34, 8051-8060.	3.6	200
32	Neural fate of ignored stimuli: dissociable effects of perceptual and working memory load. Nature Neuroscience, 2004, 7, 992-996.	14.8	198
33	Different roles of the parahippocampal place area (PPA) and retrosplenial cortex (RSC) in panoramic scene perception. NeuroImage, 2009, 47, 1747-1756.	4.2	194
34	Concurrent working memory load can reduce distraction. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16524-16529.	7.1	167
35	Perceptual constraints on implicit learning of spatial context. Visual Cognition, 2002, 9, 273-302.	1.6	165
36	Fidelity of neural reactivation reveals competition between memories. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5903-5908.	7.1	165

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37	The Native Coordinate System of Spatial Attention Is Retinotopic. Journal of Neuroscience, 2008, 28, 10654-10662.	3.6	161
38	Memory: Enduring Traces of Perceptual and Reflective Attention. Neuron, 2011, 72, 520-535.	8.1	159
39	Attentional Modulation of Learning-Related Repetition Attenuation Effects in Human Parahippocampal Cortex. Journal of Neuroscience, 2005, 25, 3593-3600.	3.6	153
40	Neural Dissociation of Delay and Uncertainty in Intertemporal Choice. Journal of Neuroscience, 2008, 28, 14459-14466.	3.6	152
41	Spatial constraints on learning in visual search: Modeling contextual cuing.. Journal of Experimental Psychology: Human Perception and Performance, 2007, 33, 798-815.	0.9	150
42	Visual grouping in human parietal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18766-18771.	7.1	148
43	Neural predictors of moment-to-moment fluctuations in cognitive flexibility. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13592-13597.	7.1	141
44	Connectome-based predictive modeling of attention: Comparing different functional connectivity features and prediction methods across datasets. NeuroImage, 2018, 167, 11-22.	4.2	139
45	Resting-state functional connectivity predicts neuroticism and extraversion in novel individuals. Social Cognitive and Affective Neuroscience, 2018, 13, 224-232.	3.0	137
46	Dynamic functional connectivity during task performance and rest predicts individual differences in attention across studies. NeuroImage, 2019, 188, 14-25.	4.2	133
47	Functional connectivity predicts changes in attention observed across minutes, days, and months. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3797-3807.	7.1	128
48	Delayed Attentional Engagement in the Attentional Blink.. Journal of Experimental Psychology: Human Perception and Performance, 2005, 31, 1463-1475.	0.9	127
49	Temporal contextual cuing of visual attention.. Journal of Experimental Psychology: Learning Memory and Cognition, 2001, 27, 1299-1313.	0.9	123
50	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.	0.9	122
51	The dark side of visual attention. Current Opinion in Neurobiology, 2002, 12, 184-189.	4.2	122
52	Characterizing Attention with Predictive Network Models. Trends in Cognitive Sciences, 2017, 21, 290-302.	7.8	121
53	Attentional modulation of the amygdala varies with personality. NeuroImage, 2006, 31, 934-944.	4.2	118
54	Temporal binding errors are redistributed by the attentional blink. Perception & Psychophysics, 1997, 59, 1191-1199.	2.3	110

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55	Category-Selective Background Connectivity in Ventral Visual Cortex. Cerebral Cortex, 2012, 22, 391-402.	2.9	105
56	Visual marking: Selective attention to asynchronous temporal groups.. Journal of Experimental Psychology: Human Perception and Performance, 2002, 28, 717-730.	0.9	99
57	Beyond the Edges of a View: Boundary Extension in Human Scene-Selective Visual Cortex. Neuron, 2007, 54, 335-342.	8.1	99
58	Memory-Guided Attention: Independent Contributions of the Hippocampus and Striatum. Neuron, 2016, 89, 317-324.	8.1	99
59	What are the units of visual short-term memory, objects or spatial locations?. Perception & Psychophysics, 2001, 63, 253-257.	2.3	98
60	Enhanced Visual Motion Perception in Major Depressive Disorder. Journal of Neuroscience, 2009, 29, 9072-9077.	3.6	98
61	Repetition Suppression and Multi-Voxel Pattern Similarity Differentially Track Implicit and Explicit Visual Memory. Journal of Neuroscience, 2013, 33, 14749-14757.	3.6	98
62	How is spatial context learning integrated over signal versus noise? A primacy effect in contextual cueing. Visual Cognition, 2007, 15, 1-11.	1.6	96
63	Neural portraits of perception: Reconstructing face images from evoked brain activity. NeuroImage, 2014, 94, 12-22.	4.2	96
64	The Functional Brain Organization of an Individual Allows Prediction of Measures of Social Abilities Transdiagnostically in Autism and Attention-Deficit/Hyperactivity Disorder. Biological Psychiatry, 2019, 86, 315-326.	1.3	95
65	Methylphenidate Modulates Functional Network Connectivity to Enhance Attention. Journal of Neuroscience, 2016, 36, 9547-9557.	3.6	88
66	Neural Reactivation Reveals Mechanisms for Updating Memory. Journal of Neuroscience, 2012, 32, 3453-3461.	3.6	87
67	Implicit scene learning is viewpoint dependent. Perception & Psychophysics, 2003, 65, 72-80.	2.3	86
68	Concurrent working memory load can facilitate selective attention: Evidence for specialized load.. Journal of Experimental Psychology: Human Perception and Performance, 2007, 33, 1062-1075.	0.9	83
69	Connectome-based Models Predict Separable Components of Attention in Novel Individuals. Journal of Cognitive Neuroscience, 2018, 30, 160-173.	2.3	82
70	Effects of scene inversion on change detection of targets matched for visual salience. Journal of Vision, 2003, 3, 1.	0.3	78
71	Attentional modulation of repetition attenuation is anatomically dissociable for scenes and faces. Brain Research, 2006, 1080, 53-62.	2.2	76
72	Temporal contextual cuing of visual attention.. Journal of Experimental Psychology: Learning Memory and Cognition, 2001, 27, 1299-1313.	0.9	76

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73	Resting-State Functional Connectivity Predicts Cognitive Impairment Related to Alzheimer's Disease. Frontiers in Aging Neuroscience, 2018, 10, 94.	3.4	75
74	Dissociating Task Performance from fMRI Repetition Attenuation in Ventral Visual Cortex. Journal of Neuroscience, 2007, 27, 5981-5985.	3.6	72
75	Babies and Brains: Habituation in Infant Cognition and Functional Neuroimaging. Frontiers in Human Neuroscience, 2008, 2, 16.	2.0	72
76	Visual Attention in Deaf and Normal Hearing Adults. Journal of Speech, Language, and Hearing Research, 2005, 48, 1529-1537.	1.6	69
77	Increases in rewards promote flexible behavior. Attention, Perception, and Psychophysics, 2011, 73, 938-952.	1.3	69
78	Attentional Facilitation throughout Human Visual Cortex Lingers in Retinotopic Coordinates after Eye Movements. Journal of Neuroscience, 2010, 30, 10493-10506.	3.6	68
79	Dissociable Neural Mechanisms for Goal-Directed Versus Incidental Memory Reactivation. Journal of Neuroscience, 2013, 33, 16099-16109.	3.6	67
80	Multivariate approaches improve the reliability and validity of functional connectivity and prediction of individual behaviors. NeuroImage, 2019, 197, 212-223.	4.2	66
81	Distributed Patterns of Functional Connectivity Predict Working Memory Performance in Novel Healthy and Memory-impaired Individuals. Journal of Cognitive Neuroscience, 2020, 32, 241-255.	2.3	62
82	Predicting moment-to-moment attentional state. NeuroImage, 2015, 114, 249-256.	4.2	58
83	Opportunities and challenges for a maturing science of consciousness. Nature Human Behaviour, 2019, 3, 104-107.	12.0	58
84	Robustness of the retinotopic attentional trace after eye movements. Journal of Vision, 2010, 10, 1-12.	0.3	54
85	Selective attention modulates implicit learning. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2001, 54, 1105-1124.	2.3	51
86	Seeing Two as One: Linking Apparent Motion and Repetition Blindness. Psychological Science, 1997, 8, 74-79.	3.3	49
87	Response-specific sources of dual-task interference in human pre-motor cortex. Psychological Research, 2006, 70, 436-447.	1.7	49
88	The role of working memory and long-term memory in visual search. Visual Cognition, 2006, 14, 808-830.	1.6	49
89	Asymmetric object substitution masking.. Journal of Experimental Psychology: Human Perception and Performance, 2001, 27, 895-918.	0.9	48
90	Attention doesnâ€™t slide: spatiotopic updating after eye movements instantiates a new, discrete attentional locus. Attention, Perception, and Psychophysics, 2011, 73, 7-14.	1.3	44

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91	Complementary attentional components of successful memory encoding. NeuroImage, 2013, 66, 553-562.	4.2	43
92	When a Thought Equals a Look: Refreshing Enhances Perceptual Memory. Journal of Cognitive Neuroscience, 2008, 20, 1371-1380.	2.3	38
93	A Common Parieto-Frontal Network Is Recruited Under Both Low Visibility and High Perceptual Interference Conditions. Journal of Neurophysiology, 2004, 92, 2985-2992.	1.8	36
94	Perceptual averaging by eye and ear: Computing summary statistics from multimodal stimuli. Attention, Perception, and Psychophysics, 2012, 74, 810-815.	1.3	36
95	Spatiotemporal object continuity in human ventral visual cortex. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8840-8845.	7.1	35
96	Lower Parietal Encoding Activation Is Associated with Sharper Information and Better Memory. Cerebral Cortex, 2017, 27, bhw097.	2.9	32
97	The influence of temporal selection on spatial selection and distractor interference: An attentional blink study.. Journal of Experimental Psychology: Human Perception and Performance, 2001, 27, 664-679.	0.9	31
98	Effects of phonological length on the attentional blink for words.. Journal of Experimental Psychology: Human Perception and Performance, 2001, 27, 1116-1123.	0.9	29
99	The spatial gradient of visual masking by object substitution. Vision Research, 2001, 41, 3121-3131.	1.4	28
100	Connectome-based neurofeedback: A pilot study to improve sustained attention. NeuroImage, 2020, 212, 116684.	4.2	28
101	Predicting eye movement patterns from fMRI responses to natural scenes. Nature Communications, 2018, 9, 5159.	12.8	27
102	Associative Learning Mechanisms in Vision. , 2008, , 209-246.		26
103	The Effect of Attention on Repetition Suppression and Multivoxel Pattern Similarity. Journal of Cognitive Neuroscience, 2013, 25, 1305-1314.	2.3	23
104	Visual marking: Dissociating effects of new and old set size.. Journal of Experimental Psychology: Learning Memory and Cognition, 2002, 28, 293-302.	0.9	22
105	Scene Perception and Memory. Psychology of Learning and Motivation - Advances in Research and Theory, 2003, , 79-108.	1.1	21
106	Refreshing and Integrating Visual Scenes in Scene-selective Cortex. Journal of Cognitive Neuroscience, 2010, 22, 2813-2822.	2.3	21
107	Visual marking: Dissociating effects of new and old set size.. Journal of Experimental Psychology: Learning Memory and Cognition, 2002, 28, 293-302.	0.9	19
108	Drug-induced amnesia impairs implicit relational memory. Trends in Cognitive Sciences, 2005, 9, 355-357.	7.8	16

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109	Eye Movements Help Link Different Views in Scene-Selective Cortex. Cerebral Cortex, 2011, 21, 2094-2102.	2.9	16
110	Object-Based Warping. Psychological Science, 2010, 21, 1759-1764.	3.3	15
111	Neurolaw: Differential brain activity for Black and White faces predicts damage awards in hypothetical employment discrimination cases. Social Neuroscience, 2012, 7, 398-409.	1.3	15
112	General Transformations of Object Representations in Human Visual Cortex. Journal of Neuroscience, 2018, 38, 8526-8537.	3.6	15
113	Shape-specific perceptual learning in a figure-ground segregation task. Vision Research, 2006, 46, 914-924.	1.4	14
114	Visual memorability in the absence of semantic content. Cognition, 2021, 212, 104714.	2.2	14
115	Vision and attention: the role of training. Nature, 1998, 393, 425-425.	27.8	13
116	An information network flow approach for measuring functional connectivity and predicting behavior. Brain and Behavior, 2019, 9, e01346.	2.2	12
117	Contextual Guidance of Visual Attention. , 2005, , 246-250.		12
118	A brain-based general measure of attention. Nature Human Behaviour, 2022, 6, 782-795.	12.0	12
119	Response to Tsuchiya et al.: considering endogenous and exogenous attention. Trends in Cognitive Sciences, 2012, 16, 528.	7.8	8
120	Neural antecedents of social decision-making in a partner choice task. Social Cognitive and Affective Neuroscience, 2014, 9, 1722-1729.	3.0	8
121	Perceptual learning of temporal structure. Vision Research, 2002, 42, 3019-3030.	1.4	7
122	Opponent Identity Influences Value Learning in Simple Games. Journal of Neuroscience, 2015, 35, 11133-11143.	3.6	7
123	Predicting multilingual effects on executive function and individual connectomes in children: An ABCD study. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2110811118.	7.1	7
124	The contents of perceptual hypotheses: Evidence from rapid resumption of interrupted visual search. Attention, Perception, and Psychophysics, 2009, 71, 681-689.	1.3	6
125	Predictive spatial working memory content guides visual search. Visual Cognition, 2010, 18, 574-590.	1.6	5
126	Using functional connectivity models to characterize relationships between working and episodic memory. Brain and Behavior, 2021, 11, e02105.	2.2	5

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127	Predicting identity-preserving object transformations across the human ventral visual stream. Journal of Neuroscience, 2021, 41, JN-RM-2137-20.	3.6	4
128	Searching through functional space reveals distributed visual, auditory, and semantic coding in the human brain. PLoS Computational Biology, 2020, 16, e1008457.	3.2	4
129	A cognitive state transformation model for task-general and task-specific subsystems of the brain connectome. NeuroImage, 2022, 257, 119279.	4.2	4
130	The contribution of object identity and configuration to scene representation in convolutional neural networks. PLoS ONE, 2022, 17, e0270667.	2.5	4
131	Attending to the Present When Remembering the Past. Neuron, 2012, 75, 944-947.	8.1	3
132	Functional Connectivity during Encoding Predicts Individual Differences in Long-Term Memory. Journal of Cognitive Neuroscience, 2021, 33, 2279-2296.	2.3	3
133	Neural Discriminability of Object Features Predicts Perceptual Organization. Psychological Science, 2016, 27, 3-11.	3.3	2
134	Studying Consciousness Through Inattentional Blindness, Change Blindness, and the Attentional Blink. , 2017, , 537-550.		2
135	Visual memorability in the absence of semantic content. Journal of Vision, 2018, 18, 1302.	0.3	2
136	Statistical learning of movement. Psychonomic Bulletin and Review, 2016, 23, 1913-1919.	2.8	1
137	Zero-shot neural decoding from rhesus macaque inferior temporal cortex using deep convolutional neural networks. Journal of Vision, 2019, 19, 209a.	0.3	1
138	Deep neural network features decoded from fMRI responses to scenes predict eye movements. Journal of Vision, 2017, 17, 1273.	0.3	0
139	Predicting Eye Movements from Deep Neural Network Activity Decoded from fMRI Responses to Natural Scenes. SSRN Electronic Journal, 0, , .	0.4	0
140	Deep learning fMRI classification of temporal codes during naturalistic movie viewing and memory recall. Journal of Vision, 2019, 19, 203a.	0.3	0
141	Image memorability is driven by visual and conceptual distinctivenes. Journal of Vision, 2019, 19, 290c.	0.3	0
142	Title is missing!. , 2020, 16, e1008457.		0
143	Title is missing!. , 2020, 16, e1008457.		0
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145	Title is missing!. , 2020, 16, e1008457.		0
146	Title is missing!. , 2020, 16, e1008457.		0
147	Title is missing!. , 2020, 16, e1008457.		0