Nicholas B Turk-Browne

List of Publications by Year
in descending order

105	9,715	76196	53109
papers	citations	40 h-index	85 g-index

123	123	123	7056
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Taxonomy of External and Internal Attention. Annual Review of Psychology, 2011, 62, 73-101.	9.9	1,027
2	The Automaticity of Visual Statistical Learning.. Journal of Experimental Psychology: General, 2005, 134, 552-564.	1.5	618
3	Brain charts for the human lifespan. Nature, 2022, 604, 525-533.	13.7	518
4	Interactions between attention and memory. Current Opinion in Neurobiology, 2007, 17, 177-184.	2.0	459
5	Neural Evidence of Statistical Learning: Efficient Detection of Visual Regularities Without Awareness. Journal of Cognitive Neuroscience, 2009, 21, 1934-1945.	1.1	399
6	Neural representations of events arise from temporal community structure. Nature Neuroscience, 2013, 16, 486-492.	7.1	398
7	Shaping of Object Representations in the Human Medial Temporal Lobe Based on Temporal Regularities. Current Biology, 2012, 22, 1622-1627.	1.8	381
8	Implicit Perceptual Anticipation Triggered by Statistical Learning. Journal of Neuroscience, 2010, 30, 11177-11187.	1.7	322
9	Complementary learning systems within the hippocampus: a neural network modelling approach to reconciling episodic memory with statistical learning. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160049.	1.8	305
10	The Necessity of the Medial Temporal Lobe for Statistical Learning. Journal of Cognitive Neuroscience, 2014, 26, 1736-1747.	1.1	264
11	Closed-loop training of attention with real-time brain imaging. Nature Neuroscience, 2015, 18, 470-475.	7.1	254
12	Attention Is Spontaneously Biased Toward Regularities. Psychological Science, 2013, 24, 667-677.	1.8	238
13	Statistical learning of temporal community structure in the hippocampus. Hippocampus, 2016, 26, 3-8.	0.9	220
14	Linking Implicit and Explicit Memory: Common Encoding Factors and Shared Representations. Neuron, 2006, 49, 917-927.	3.8	208
15	Functional Interactions as Big Data in the Human Brain. Science, 2013, 342, 580-584.	6.0	207
16	Linking pattern completion in the hippocampus to predictive coding in visual cortex. Nature Neuroscience, 2016, 19, 665-667.	7.1	196
17	Computational approaches to fMRI analysis. Nature Neuroscience, 2017, 20, 304-313.	7.1	185
18	Optimizing real time fMRI neurofeedback for therapeutic discovery and development. NeuroImage: Clinical, 2014, 5, 245-255.	1.4	179

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19	Mechanisms for widespread hippocampal involvement in cognition.. Journal of Experimental Psychology: General, 2013, 142, 1159-1170.	1.5	160
20	Memory-guided attention: control from multiple memory systems. Trends in Cognitive Sciences, 2012, 16, 576-579.	4.0	156
21	Attention promotes episodic encoding by stabilizing hippocampal representations. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E420-9.	3.3	145
22	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.	3.3	141
23	Multidimensional visual statistical learning.. Journal of Experimental Psychology: Learning Memory and Cognition, 2008, 34, 399-407.	0.7	113
24	Hippocampal Structure Predicts Statistical Learning and Associative Inference Abilities during Development. Journal of Cognitive Neuroscience, 2017, 29, 37-51.	1.1	113
25	Pruning of memories by context-based prediction error. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8997-9002.	3.3	108
26	Attention Stabilizes Representations in the Human Hippocampus. Cerebral Cortex, 2016, 26, bhv041.	1.6	102
27	Nonmonotonic Plasticity: How Memory Retrieval Drives Learning. Trends in Cognitive Sciences, 2019, 23, 726-742.	4.0	97
28	Learning hierarchical sequence representations across human cortex and hippocampus. Science Advances, 2021, 7, .	4.7	93
29	Associative Prediction of Visual Shape in the Hippocampus. Journal of Neuroscience, 2018, 38, 6888-6899.	1.7	90
30	Visual Quality Determines the Direction of Neural Repetition Effects. Cerebral Cortex, 2007, 17, 425-433.	1.6	83
31	Flexible visual statistical learning: Transfer across space and time.. Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 195-202.	0.7	81
32	Dissociating Task Performance from fMRI Repetition Attenuation in Ventral Visual Cortex. Journal of Neuroscience, 2007, 27, 5981-5985.	1.7	72
33	Babies and Brains: Habituation in Infant Cognition and Functional Neuroimaging. Frontiers in Human Neuroscience, 2008, 2, 16.	1.0	72
34	Scene Representations in Parahippocampal Cortex Depend on Temporal Context. Journal of Neuroscience, 2012, 32, 7202-7207.	1.7	72
35	Mutual Interference Between Statistical Summary Perception and Statistical Learning. Psychological Science, 2011, 22, 1212-1219.	1.8	69
36	Forgetting from lapses of sustained attention. Psychonomic Bulletin and Review, 2018, 25, 605-611.	1.4	67

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37	Assessment of age-related changes in inhibition and binding using eye movement monitoring.. Psychology and Aging, 2007, 22, 239-250.	1.4	66
38	Face-Specific Resting Functional Connectivity between the Fusiform Gyrus and Posterior Superior Temporal Sulcus. Frontiers in Human Neuroscience, 2010, 4, 176.	1.0	66
39	Neural Differentiation of Incorrectly Predicted Memories. Journal of Neuroscience, 2017, 37, 2022-2031.	1.7	64
40	Attentional bias in depression: understanding mechanisms to improve training and treatment. Current Opinion in Psychology, 2019, 29, 266-273.	2.5	62
41	The prevalence and importance of statistical learning in human cognition and behavior. Current Opinion in Behavioral Sciences, 2020, 32, 15-20.	2.0	60
42	Learning Naturalistic Temporal Structure in the Posterior Medial Network. Journal of Cognitive Neuroscience, 2018, 30, 1345-1365.	1.1	51
43	The hippocampus as a visual area organized by space and time: A spatiotemporal similarity hypothesis. Vision Research, 2019, 165, 123-130.	0.7	51
44	Neurocognitive therapeutics: from concept to application in the treatment of negative attention bias. Biology of Mood & Anxiety Disorders, 2015, 5, 1.	4.7	47
45	How Hippocampal Memory Shapes, and Is Shaped by, Attention. , 2017, , 369-403.		47
46	Statistical prediction of the future impairs episodic encoding of the present. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22760-22770.	3.3	47
47	Evidence of hippocampal learning in human infants. Current Biology, 2021, 31, 3358-3364.e4.	1.8	45
48	Re-imagining fMRI for awake behaving infants. Nature Communications, 2020, 11, 4523.	5.8	44
49	BrainIAK tutorials: User-friendly learning materials for advanced fMRI analysis. PLoS Computational Biology, 2020, 16, e1007549.	1.5	44
50	Complementary attentional components of successful memory encoding. NeuroImage, 2013, 66, 553-562.	2.1	43
51	Statistical Learning and Its Consequences. Nebraska Symposium on Motivation, 2012, 59, 117-146.	0.9	42
52	Representations of individuals in ventral temporal cortex defined by faces and biographies. Neuropsychologia, 2013, 51, 2100-2108.	0.7	41
53	Infant fMRI: A Model System for Cognitive Neuroscience. Trends in Cognitive Sciences, 2018, 22, 375-387.	4.0	40
54	When a Thought Equals a Look: Refreshing Enhances Perceptual Memory. Journal of Cognitive Neuroscience, 2008, 20, 1371-1380.	1.1	38

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55	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.	3.3	35
56	Attentional modulation of background connectivity between ventral visual cortex and the medial temporal lobe. Neurobiology of Learning and Memory, 2016, 134, 115-122.	1.0	32
57	Representations of Facial Identity in the Left Hemisphere Require Right Hemisphere Processing. Journal of Cognitive Neuroscience, 2012, 24, 1006-1017.	1.1	31
58	Attention recruits frontal cortex in human infants. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
59	Flexible weighting of diverse inputs makes hippocampal function malleable. Neuroscience Letters, 2018, 680, 13-22.	1.0	29
60	Incidental biasing of attention from visual long-term memory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2016, 42, 970-977.	0.7	27
61	Full correlation matrix analysis (FCMA): An unbiased method for task-related functional connectivity. Journal of Neuroscience Methods, 2015, 251, 108-119.	1.3	26
62	Common Object Representations for Visual Production and Recognition. Cognitive Science, 2018, 42, 2670-2698.	0.8	25
63	Content-based Dissociation of Hippocampal Involvement in Prediction. Journal of Cognitive Neuroscience, 2020, 32, 527-545.	1.1	24
64	Increasing stimulus similarity drives nonmonotonic representational change in hippocampus. ELife, 2022, 11, .	2.8	22
65	Neurofeedback helps to reveal a relationship between context reinstatement and memory retrieval. NeuroImage, 2019, 200, 292-301.	2.1	21
66	Focusing on what matters: Modulation of the human hippocampus by relational attention. Hippocampus, 2019, 29, 1025-1037.	0.9	21
67	Retinotopic organization of visual cortex in human infants. Neuron, 2021, 109, 2616-2626.e6.	3.8	21
68	Noise correlations in the human brain and their impact on pattern classification. PLoS Computational Biology, 2017, 13, e1005674.	1.5	21
69	Action-Based Learning of Multistate Objects in the Medial Temporal Lobe. Cerebral Cortex, 2016, 26, 1853-1865.	1.6	20
70	Relating Visual Production and Recognition of Objects in Human Visual Cortex. Journal of Neuroscience, 2020, 40, 1710-1721.	1.7	18
71	BrainIAK: The Brain Imaging Analysis Kit. , 2022, 2021, .		18
72	The promise of awake behaving infant fMRI as a deep measure of cognition. Current Opinion in Behavioral Sciences, 2021, 40, 5-11.	2.0	17

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73	Dissociable behavioural outcomes of visual statistical learning. Visual Cognition, 2015, 23, 1072-1097.	0.9	15
74	Emergence and organization of adult brain function throughout child development. NeuroImage, 2021, 226, 117606.	2.1	15
75	Neural Overlap in Item Representations Across Episodes Impairs Context Memory. Cerebral Cortex, 2019, 29, 2682-2693.	1.6	11
76	Biased Competition during Long-term Memory Formation. Journal of Cognitive Neuroscience, 2016, 28, 187-197.	1.1	10
77	Finding the Pattern: On-Line Extraction of Spatial Structure During Virtual Navigation. Psychological Science, 2020, 31, 1183-1190.	1.8	10
78	Capturing Shared and Individual Information in fMRI Data. , 2018, , .		9
79	Cloud-Based Functional Magnetic Resonance Imaging Neurofeedback to Reduce the Negative Attentional Bias in Depression: A Proof-of-Concept Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 490-497.	1.1	9
80	Spatial gist extraction during human memory consolidation.. Journal of Experimental Psychology: Learning Memory and Cognition, 2022, 48, 929-941.	0.7	8
81	Error-driven learning in statistical summary perception.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 266-280.	0.7	8
82	Real-time full correlation matrix analysis of fMRI data. , 2016, , .		6
83	Functions of ventral visual cortex after bilateral medial temporal lobe damage. Progress in Neurobiology, 2020, 191, 101819.	2.8	5
84	Searching through functional space reveals distributed visual, auditory, and semantic coding in the human brain. PLoS Computational Biology, 2020, 16, e1008457.	1.5	4
85	Incidental encoding of numerosity in visual long-term memory. Visual Cognition, 2011, 19, 928-955.	0.9	2
86	Neural systems involved in processing novel linguistic constructions and their visual referents. Language, Cognition and Neuroscience, 2016, 31, 129-144.	0.7	2
87	RT-Cloud: A cloud-based software framework to simplify and standardize real-time fMRI. NeuroImage, 2022, 257, 119295.	2.1	2
88	Feedback-driven tuning of statistical summary representations. Visual Cognition, 2013, 21, 685-689.	0.9	1
89	Information theoretic complexity affects multisensory perception. Visual Cognition, 2015, 23, 825-829.	0.9	1
90	Brain kernel: A new spatial covariance function for fMRI data. NeuroImage, 2021, 245, 118580.	2.1	1

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91	Statistical Learning in Perception. , 2012, , 3182-3185.		0
92	Synthesizing images with deep neural networks to manipulate representational similarity and induce representational change. Journal of Vision, 2019, 19, 202d.	0.1	0
93	Decoding the contents of the developing visual system with fMRI in awake infants. Journal of Vision, 2019, 19, 56a.	0.1	0
94	Regularity-induced attentional biases and their mnemonic consequences. Journal of Vision, 2019, 19, 231c.	0.1	0
95	Using Closed-Loop Real-Time fMRI Neurofeedback to Induce Neural Plasticity and Influence Perceptual Similarity. Journal of Vision, 2019, 19, 186c.	0.1	0
96	Title is missing!. , 2020, 16, e1008457.		0
97	Title is missing!. , 2020, 16, e1008457.		0
98	Title is missing!. , 2020, 16, e1008457.		0
99	Title is missing!. , 2020, 16, e1008457.		0
100	Title is missing!. , 2020, 16, e1008457.		0
101	Title is missing!. , 2020, 16, e1008457.		0
102	BrainIAK tutorials: User-friendly learning materials for advanced fMRI analysis. , 2020, 16, e1007549.		0
103	BrainIAK tutorials: User-friendly learning materials for advanced fMRI analysis. , 2020, 16, e1007549.		0
104	BrainIAK tutorials: User-friendly learning materials for advanced fMRI analysis. , 2020, 16, e1007549.		0
105	BrainIAK tutorials: User-friendly learning materials for advanced fMRI analysis. , 2020, 16, e1007549.		0