

Tim Curran

List of Publications by Year in descending order

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120
papers

11,495
citations

38660

50
h-index

29081

104
g-index

122
all docs

122
docs citations

122
times ranked

8426
citing authors

#	ARTICLE	IF	CITATIONS
1	Event-related potentials and recognition memory. Trends in Cognitive Sciences, 2007, 11, 251-257.	4.0	1,080
2	Genetic triple dissociation reveals multiple roles for dopamine in reinforcement learning. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16311-16316.	3.3	614
3	Brain potentials of recollection and familiarity. Memory and Cognition, 2000, 28, 923-938.	0.9	576
4	Attentional and nonattentional forms of sequence learning.. Journal of Experimental Psychology: Learning Memory and Cognition, 1993, 19, 189-202.	0.7	430
5	A Neural Basis for Expert Object Recognition. Psychological Science, 2001, 12, 43-47.	1.8	429
6	Functional role of gamma and theta oscillations in episodic memory. Neuroscience and Biobehavioral Reviews, 2010, 34, 1023-1035.	2.9	418
7	Perceptual interference supports a non-modular account of face processing. Nature Neuroscience, 2003, 6, 428-432.	7.1	400
8	Prefrontal Regions Orchestrate Suppression of Emotional Memories via a Two-Phase Process. Science, 2007, 317, 215-219.	6.0	383
9	Error-Related Negativity Predicts Reinforcement Learning and Conflict Biases. Neuron, 2005, 47, 495-501.	3.8	364
10	Activation of Preexisting and Acquired Face Representations: The N250 Event-related Potential as an Index of Face Familiarity. Journal of Cognitive Neuroscience, 2006, 18, 1488-1497.	1.1	327
11	Using ERPs to dissociate recollection from familiarity in picture recognition. Cognitive Brain Research, 2003, 15, 191-205.	3.3	289
12	Neuroanatomical Correlates of Veridical and Illusory Recognition Memory: Evidence from Positron Emission Tomography. Neuron, 1996, 17, 267-274.	3.8	258
13	EEG oscillations and recognition memory: Theta correlates of memory retrieval and decision making. NeuroImage, 2006, 32, 978-987.	2.1	254
14	False recognition and the right frontal lobe: A case study. Neuropsychologia, 1996, 34, 793-808.	0.7	252
15	Memory Strength and Repetition Suppression: Multimodal Imaging of Medial Temporal Cortical Contributions to Recognition. Neuron, 2005, 47, 751-761.	3.8	241
16	Effects of attention and confidence on the hypothesized ERP correlates of recollection and familiarity. Neuropsychologia, 2004, 42, 1088-1106.	0.7	218
17	A PET investigation of implicit and explicit sequence learning. Human Brain Mapping, 1995, 3, 271-286.	1.9	215
18	A Reevaluation of the Electrophysiological Correlates of Expert Object Processing. Journal of Cognitive Neuroscience, 2006, 18, 1453-1465.	1.1	181

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19	The FN400 indexes familiarity-based recognition of faces. <i>NeuroImage</i> , 2007, 36, 464-471.	2.1	159
20	Effects of aging on implicit sequence learning: Accounting for sequence structure and explicit knowledge. <i>Psychological Research</i> , 1997, 60, 24-41.	1.0	157
21	Comprehending conventional and novel metaphors: An ERP study. <i>Brain Research</i> , 2009, 1284, 145-155.	1.1	154
22	Brain Potentials Reflect Behavioral Differences in True and False Recognition. <i>Journal of Cognitive Neuroscience</i> , 2001, 13, 201-216.	1.1	147
23	Metacognitive Processes in Executive Control Development: The Case of Reactive and Proactive Control. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1125-1136.	1.1	136
24	Higher-Order Associative Learning in Amnesia: Evidence from the Serial Reaction Time Task. <i>Journal of Cognitive Neuroscience</i> , 1997, 9, 522-533.	1.1	134
25	Cognitive Control Reflects Context Monitoring, Not Motoric Stopping, in Response Inhibition. <i>PLoS ONE</i> , 2012, 7, e31546.	1.1	134
26	Cognitive Factors in Learning about Structured Sequences. <i>Studies in Second Language Acquisition</i> , 1994, 16, 205-230.	1.8	122
27	Differentiating amodal familiarity from modality-specific memory processes: An ERP study. <i>Psychophysiology</i> , 2003, 40, 979-988.	1.2	120
28	An electrophysiological comparison of visual categorization and recognition memory. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2002, 2, 1-18.	1.0	115
29	Effects of aging on visuospatial attention: an ERP study. <i>Neuropsychologia</i> , 2001, 39, 288-301.	0.7	112
30	An early electrophysiological response associated with expertise in letter perception. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2005, 5, 306-318.	1.0	111
31	The Limits of Feedforward Vision: Recurrent Processing Promotes Robust Object Recognition when Objects Are Degraded. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 2248-2261.	1.1	110
32	Abnormalities in the thalamus and prefrontal cortex during episodic object recognition in schizophrenia. <i>Biological Psychiatry</i> , 2000, 48, 651-657.	0.7	103
33	The role of category learning in the acquisition and retention of perceptual expertise: A behavioral and neurophysiological study. <i>Brain Research</i> , 2008, 1210, 204-215.	1.1	99
34	A Study of Parallel Implicit and Explicit Information Processing in Patients With Obsessive-Compulsive Disorder. <i>American Journal of Psychiatry</i> , 2002, 159, 1780-1782.	4.0	98
35	Picture Superiority Doubly Dissociates the ERP Correlates of Recollection and Familiarity. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 1247-1262.	1.1	91
36	Effects of similarity and repetition on memory: Registration without learning?. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1992, 18, 667-680.	0.7	90

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37	A defense of the subordinate-level expertise account for the N170 component. <i>Cognition</i> , 2002, 85, 189-196.	1.1	88
38	Combined Pharmacological and Electrophysiological Dissociation of Familiarity and Recollection. <i>Journal of Neuroscience</i> , 2006, 26, 1979-1985.	1.7	88
39	Neural inhibition enables selection during language processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16483-16488.	3.3	78
40	Long-term Expertise with Artificial Objects Increases Visual Competition with Early Face Categorization Processes. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 543-555.	1.1	71
41	Sequential effects in response time reveal learning mechanisms and event representations.. <i>Psychological Review</i> , 2013, 120, 628-666.	2.7	70
42	Using single-trial EEG to predict and analyze subsequent memory. <i>NeuroImage</i> , 2014, 84, 712-723.	2.1	68
43	A Meta-analytic Review of Auditory Event-Related Potential Components as Endophenotypes for Schizophrenia: Perspectives From First-Degree Relatives. <i>Schizophrenia Bulletin</i> , 2016, 42, 1504-1516.	2.3	68
44	ERP correlates of familiarity and recollection processes in visual associative recognition. <i>Brain Research</i> , 2007, 1174, 97-109.	1.1	67
45	ERP evidence for conceptual mappings and comparison processes during the comprehension of conventional and novel metaphors. <i>Brain and Language</i> , 2013, 127, 484-496.	0.8	67
46	Familiarity in source memory. <i>Neuropsychologia</i> , 2012, 50, 2546-2565.	0.7	64
47	Comparing retrieval dynamics in recognition memory and lexical decision.. <i>Journal of Experimental Psychology: General</i> , 1997, 126, 228-247.	1.5	63
48	Thalamic deactivation during early implicit sequence learning. <i>NeuroReport</i> , 1998, 9, 865-870.	0.6	61
49	Motor sequence learning and reading ability: Is poor reading associated with sequencing deficits?. <i>Journal of Experimental Child Psychology</i> , 2003, 84, 338-354.	0.7	58
50	The N250 Brain Potential to Personally Familiar and Newly Learned Faces and Objects. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 111.	1.0	58
51	Medial temporal lobe activation during episodic encoding and retrieval: A PET study. , 1999, 9, 575-581.		55
52	Effects of repetition priming on recognition memory: Testing a perceptual fluency-disfluency model.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2008, 34, 1305-1324.	0.7	55
53	The neural correlates of memory encoding and recognition for own-race and other-race faces. <i>Neuropsychologia</i> , 2011, 49, 3103-3115.	0.7	54
54	ERP old/new effects at different retention intervals in recency discrimination tasks. <i>Cognitive Brain Research</i> , 2004, 18, 107-120.	3.3	52

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55	Semantic and perceptual effects on recognition memory: Evidence from ERP. <i>Brain Research</i> , 2009, 1283, 102-114.	1.1	52
56	Visual Expertise with Pictures of Cars Correlates with RT Magnitude of the Car Inversion Effect. <i>Perception</i> , 2010, 39, 173-183.	0.5	52
57	Separating the FN400 and N400 potentials across recognition memory experiments. <i>Brain Research</i> , 2016, 1635, 41-60.	1.1	52
58	When encoding fails: Instructions, feedback, and registration without learning. <i>Memory and Cognition</i> , 1995, 23, 213-226.	0.9	46
59	Late frontal brain potentials distinguish true and false recognition. <i>NeuroReport</i> , 2003, 14, 1717-1720.	0.6	46
60	Expertsâ€™ memory: an ERP study of perceptual expertise effects on encoding and recognition. <i>Memory and Cognition</i> , 2011, 39, 412-432.	0.9	45
61	Effects of size and orientation change on hippocampal activation during episodic recognition. <i>NeuroReport</i> , 1997, 8, 3993-3998.	0.6	41
62	Conflict and criterion setting in recognition memory.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2007, 33, 2-17.	0.7	41
63	Differentiating location- and distance-based processes in memory for time: An ERP study. <i>Psychonomic Bulletin and Review</i> , 2003, 10, 711-717.	1.4	40
64	Oxytocin can impair memory for social and non-social visual objects: A within-subject investigation of oxytocin's effects on human memory. <i>Brain Research</i> , 2012, 1451, 65-73.	1.1	40
65	Effects of oxytocin on behavioral and ERP measures of recognition memory for own-race and other-race faces in women and men. <i>Psychoneuroendocrinology</i> , 2013, 38, 2140-2151.	1.3	40
66	ERPs and Neural Oscillations during Volitional Suppression of Memory Retrieval. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1624-1633.	1.1	37
67	FN400 and LPC memory effects for concrete and abstract words. <i>Psychophysiology</i> , 2016, 53, 1669-1678.	1.2	35
68	Memory for detail in item versus associative recognition. <i>Memory and Cognition</i> , 2001, 29, 413-423.	0.9	34
69	Deficits in Early Stages of Face Processing in Schizophrenia: A Systematic Review of the P100 Component. <i>Schizophrenia Bulletin</i> , 2016, 42, 519-527.	2.3	34
70	Cross-Modal Priming and Explicit Memory in Patients with Verbal Production Deficits. <i>Brain and Cognition</i> , 1999, 39, 133-146.	0.8	30
71	Retrieval constraints and the mirror effect.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1994, 20, 275-289.	0.7	26
72	The Cognitive Neuroscience of False Memories. <i>Psychiatric Annals</i> , 1995, 25, 726-730.	0.1	26

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73	Letter to the Editor. <i>NeuroImage</i> , 2007, 36, 488-489.	2.1	25
74	Implicit learning revealed by the method of opposition. <i>Trends in Cognitive Sciences</i> , 2001, 5, 503-504.	4.0	23
75	A preliminary study of functional abnormalities in aMCI subjects during different episodic memory tasks. <i>Magnetic Resonance Imaging</i> , 2012, 30, 459-470.	1.0	23
76	A robust deep neural network for denoising task-based fMRI data: An application to working memory and episodic memory. <i>Medical Image Analysis</i> , 2020, 60, 101622.	7.0	23
77	Event-related potential correlates of interference effects on recognition memory. <i>Psychonomic Bulletin and Review</i> , 2008, 15, 36-43.	1.4	21
78	Familiarity and recollection in heuristic decision making.. <i>Journal of Experimental Psychology: General</i> , 2014, 143, 2341-2365.	1.5	21
79	Minimal Information for Neural Electromagnetic Ontologies (MINEMO): A standards-compliant method for analysis and integration of event-related potentials (ERP) data. <i>Standards in Genomic Sciences</i> , 2011, 5, 211-223.	1.5	20
80	The role of color in expert object recognition. <i>Journal of Vision</i> , 2014, 14, 9-9.	0.1	19
81	Investigation of changes in EEG complexity during memory retrieval: the effect of midazolam. <i>Cognitive Neurodynamics</i> , 2012, 6, 537-546.	2.3	18
82	A family of locally constrained CCA models for detecting activation patterns in fMRI. <i>NeuroImage</i> , 2017, 149, 63-84.	2.1	18
83	The preferred level of face categorization depends on discriminability. <i>Psychonomic Bulletin and Review</i> , 2008, 15, 623-629.	1.4	17
84	Expert image analysts show enhanced visual processing in change detection. <i>Psychonomic Bulletin and Review</i> , 2009, 16, 390-397.	1.4	17
85	Single-Trial EEG Analysis Predicts Memory Retrieval and Reveals Source-Dependent Differences. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 258.	1.0	17
86	Midazolam-induced Amnesia Reduces Memory for Details and Affects the ERP Correlates of Recollection and Familiarity. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 416-427.	1.1	16
87	A within-subject ERP and fMRI investigation of orientation-specific recognition memory for pictures. <i>Cognitive Neuroscience</i> , 2012, 3, 174-192.	0.6	16
88	Classification aided analysis of oscillatory signatures in controlled retrieval. <i>NeuroImage</i> , 2014, 85, 749-760.	2.1	16
89	Genetic variation in the serotonin transporter gene influences ERP old/new effects during recognition memory. <i>Neuropsychologia</i> , 2015, 78, 95-107.	0.7	13
90	Optimizing the performance of local canonical correlation analysis in fMRI using spatial constraints. <i>Human Brain Mapping</i> , 2012, 33, 2611-2626.	1.9	12

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91	The role of spatial frequency in expert object recognition.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 413-422.	0.7	12
92	MAO-A Phenotype Effects Response Sensitivity and the Parietal Old/New Effect during Recognition Memory. Frontiers in Human Neuroscience, 2018, 12, 53.	1.0	12
93	Color and spatial frequency differentially impact early stages of perceptual expertise training. Neuropsychologia, 2019, 122, 62-75.	0.7	12
94	Neural and behavioral effects of subordinate-level training of novel objects across manipulations of color and spatial frequency. European Journal of Neuroscience, 2020, 52, 4468-4479.	1.2	11
95	3D spatially-adaptive canonical correlation analysis: Local and global methods. NeuroImage, 2018, 169, 240-255.	2.1	10
96	Neural Correlates of the In-Group Memory Advantage on the Encoding and Recognition of Faces. PLoS ONE, 2013, 8, e82797.	1.1	9
97	Individual differences in EEG correlates of recognition memory due to DAT polymorphisms. Brain and Behavior, 2017, 7, e00870.	1.0	9
98	Multivariate group-level analysis for task fMRI data with canonical correlation analysis. NeuroImage, 2019, 194, 25-41.	2.1	9
99	The persistent impact of incidental experience. Psychonomic Bulletin and Review, 2013, 20, 1221-1231.	1.4	8
100	Event-related potential (ERP) correlates of memory blocking and priming during a word fragment test. International Journal of Psychophysiology, 2010, 78, 136-150.	0.5	7
101	Acute effects of naturalistic THC vs. CBD use on recognition memory: a preliminary study. Journal of Cannabis Research, 2020, 2, 28.	1.5	7
102	The bimodality of saccade duration during the exploration of visual scenes. Visual Cognition, 2020, 28, 484-512.	0.9	5
103	Optimization of contrast detection power with probabilistic behavioral information. NeuroImage, 2012, 60, 1788-1799.	2.1	4
104	Neural evidence for the contribution of holistic processing but not attention allocation to the other-race effect on face memory. Cognitive, Affective and Behavioral Neuroscience, 2018, 18, 1015-1033.	1.0	4
105	An Event-Related Potential Investigation of Early Visual Processing Deficits During Face Perception in Youth at Clinical High Risk for Psychosis. Schizophrenia Bulletin, 2022, 48, 90-99.	2.3	4
106	Dissociations between performance and visual fixations after subordinate- and basic-level training with novel objects. Vision Research, 2022, 191, 107971.	0.7	4
107	More elaborate processing of own-race faces and less elaborate processing of other-race faces contribute to the other-race effect in face memory. British Journal of Psychology, 2022, 113, 1033-1055.	1.2	4
108	Classification of amnesic mild cognitive impairment using fMRI. , 2014, , .		2

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109	Single-Trial EEG Predicts Memory Retrieval Using Leave-One-Subject-Out Classification. , 2018, , .		2
110	Single-trial identification of failed memory retrieval. , 2014, , .		1
111	Bird expertise does not increase motion sensitivity to bird flight motion. Journal of Vision, 2021, 21, 5.	0.1	1
112	The Role of Color and Spatial Frequency in Perceptual Expertise Training. Journal of Vision, 2015, 15, 234.	0.1	0
113	Multidimensional-expertise space: Multidimensional scaling changes after expertise training with objects. Journal of Vision, 2015, 15, 1141.	0.1	0
114	Co-registration of eye movements and EEG to study semantic congruency during scene perception. Journal of Vision, 2016, 16, 316.	0.1	0
115	Exploring the gaze strategies of expert object recognition by the means of eye-tracking.. Journal of Vision, 2016, 16, 1102.	0.1	0
116	The importance of color and spatial frequency information after laboratory-trained perceptual expertise. Journal of Vision, 2016, 16, 1109.	0.1	0
117	A Dissociation Between Visual Strategy Use and Accuracy after Perceptual Expertise Training. Journal of Vision, 2017, 17, 473.	0.1	0
118	Examining the role of motion in expert object recognition.. Journal of Vision, 2017, 17, 65.	0.1	0
119	Subordinate-level training with novel objects differentially impacts neural and behavioral processing. Journal of Vision, 2017, 17, 512.	0.1	0
120	Changes in Visual Scanning Strategies Accompany the Acquisition of Perceptual Expertise. Journal of Vision, 2018, 18, 390.	0.1	0