Craig E L Stark

List of Publications by Year
in descending order

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74 papers	10,709 citations	71102 41 h-index	79698 73 g-index
75 all docs	75 docs citations	75 times ranked	9216 citing authors

#	Article	IF	Citations
1	Impaired Behavioral Pattern Separation in Refractory Temporal Lobe Epilepsy and Mild Cognitive Impairment. Journal of the International Neuropsychological Society, 2022, 28, 550-562.	1.8	9
2	Higher-order multi-shell diffusion measures complement tensor metrics and volume in gray matter when predicting age and cognition. NeuroImage, 2022, 253, 119063.	4.2	9
3	Adaptive design optimization for a Mnemonic Similarity Task. Journal of Mathematical Psychology, 2022, 108, 102665.	1.8	3
4	Using Advanced Diffusion-Weighted Imaging to Predict Cell Counts in Gray Matter: Potential and Pitfalls. Frontiers in Neuroscience, 2022, 16, .	2.8	4
5	Hippocampal subfield volumetry from structural isotropic 1â€‰mm³<scp>MRI</scp> scans: A note of caution. Human Brain Mapping, 2021, 42, 539-550.	3.6	84
6	Ageâ€related alterations in functional connectivity along the longitudinal axis of the hippocampus and its subfields. Hippocampus, 2021, 31, 11-27.	1.9	26
7	Remembering facts versus feelings in the wake of political events. Cognition and Emotion, 2021, 35, 1-20.	2.0	8
8	Tacrolimus Protects against Age-Associated Microstructural Changes in the Beagle Brain. Journal of Neuroscience, 2021, 41, 5124-5133.	3.6	13
9	Playing Minecraft Improves Hippocampal-Associated Memory for Details in Middle Aged Adults. Frontiers in Sports and Active Living, 2021, 3, 685286.	1.8	7
10	Predicted and remembered emotion: tomorrowâ€™s vividness trumps yesterdayâ€™s accuracy. Memory, 2020, 28, 128-140.	1.7	7
11	Age- and memory- related differences in hippocampal gray matter integrity are better captured by NODDI compared to single-tensor diffusion imaging. Neurobiology of Aging, 2020, 96, 12-21.	3.1	22
12	Enriching Hippocampal Memory Function in Older Adults Through Real-World Exploration. Frontiers in Aging Neuroscience, 2020, 12, 158.	3.4	12
13	Neural substrates of mnemonic discrimination: A wholeâ€brain fMRI investigation. Brain and Behavior, 2020, 10, e01560.	2.2	11
14	Microstructural Alterations in Hippocampal Subfields Mediate Age-Related Memory Decline in Humans. Frontiers in Aging Neuroscience, 2020, 12, 94.	3.4	32
15	Enriching hippocampal memory function in older adults through video games. Behavioural Brain Research, 2020, 390, 112667.	2.2	17
16	Mnemonic Similarity Task: A Tool for Assessing Hippocampal Integrity. Trends in Cognitive Sciences, 2019, 23, 938-951.	7.8	147
17	Improving Hippocampal Memory Through the Experience of a Rich Minecraft Environment. Frontiers in Behavioral Neuroscience, 2019, 13, 57.	2.0	31
18	Excitatory/Inhibitory Imbalance in Anterior Lateral Occipital Complex Can Impair Hippocampal Mnemonic Discrimination. Neuron, 2019, 101, 360-362.	8.1	0

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19	Response bias, recollection, and familiarity in individuals with Highly Superior Autobiographical Memory (HSAM). Memory, 2019, 27, 739-749.	1.7	4
20	Recognition Memory Dysfunction Relates to Hippocampal Subfield Volume: A Study of Cognitively Normal and Mildly Impaired Older Adults. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2019, 74, 1132-1141.	3.9	29
21	Whatâ€™s in a context? Cautions, limitations, and potential paths forward. Neuroscience Letters, 2018, 680, 77-87.	2.1	23
22	Modulation of associative learning in the hippocampal-striatal circuit based on item-set similarity. Cortex, 2018, 109, 60-73.	2.4	7
23	A cognitive assessment of highly superior autobiographical memory. Memory, 2017, 25, 276-288.	1.7	32
24	Retrieval of high-fidelity memory arises from distributed cortical networks. NeuroImage, 2017, 149, 178-189.	4.2	18
25	The influence of low-level stimulus features on the representation of contexts, items, and their mnemonic associations. NeuroImage, 2017, 155, 513-529.	4.2	18
26	Age-related impairment on a forced-choice version of the Mnemonic Similarity Task.. Behavioral Neuroscience, 2017, 131, 55-67.	1.2	27
27	3T hippocampal glutamate-glutamine complex reflects verbal memory decline in aging. Neurobiology of Aging, 2017, 54, 103-111.	3.1	18
28	Age-related deficits in the mnemonic similarity task for objects and scenes. Behavioural Brain Research, 2017, 333, 109-117.	2.2	98
29	A harmonized segmentation protocol for hippocampal and parahippocampal subregions: Why do we need one and what are the key goals?. Hippocampus, 2017, 27, 3-11.	1.9	130
30	Mnemonic discrimination relates to perforant path integrity: An ultra-high resolution diffusion tensor imaging study. Neurobiology of Learning and Memory, 2016, 129, 107-112.	1.9	60
31	Memory for sequences of events impaired in typical aging. Learning and Memory, 2015, 22, 138-148.	1.3	16
32	Virtual Environmental Enrichment through Video Games Improves Hippocampal-Associated Memory. Journal of Neuroscience, 2015, 35, 16116-16125.	3.6	123
33	Functional contributions and interactions between the human hippocampus and subregions of the striatum during arbitrary associative learning and memory. Hippocampus, 2015, 25, 900-911.	1.9	42
34	Limbic Tract Integrity Contributes to Pattern Separation Performance Across the Lifespan. Cerebral Cortex, 2015, 25, 2988-2999.	2.9	81
35	Quantitative comparison of 21 protocols for labeling hippocampal subfields and parahippocampal subregions in in vivo MRI: Towards a harmonized segmentation protocol. NeuroImage, 2015, 111, 526-541.	4.2	284
36	Stability of age-related deficits in the mnemonic similarity task across task variations.. Behavioral Neuroscience, 2015, 129, 257-268.	1.2	141

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37	Highly Superior Autobiographical Memory: Quality and Quantity of Retention Over Time. Frontiers in Psychology, 2015, 6, 2017.	2.1	35
38	A Sequence of events model of episodic memory shows parallels in rats and humans. Hippocampus, 2014, 24, 1178-1188.	1.9	52
39	Multivariate pattern analysis of the human medial temporal lobe revealed representationally categorical cortex and representationally agnostic hippocampus. Hippocampus, 2014, 24, 1394-1403.	1.9	42
40	Contributions of human hippocampal subfields to spatial and temporal pattern separation. Hippocampus, 2014, 24, 293-302.	1.9	66
41	Loss of pattern separation performance in schizophrenia suggests dentate gyrus dysfunction. Schizophrenia Research, 2014, 159, 193-197.	2.0	97
42	The neuroscience of memory: implications for the courtroom. Nature Reviews Neuroscience, 2013, 14, 649-658.	10.2	104
43	False memories in highly superior autobiographical memory individuals. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20947-20952.	7.1	130
44	A task to assess behavioral pattern separation (BPS) in humans: Data from healthy aging and mild cognitive impairment. Neuropsychologia, 2013, 51, 2442-2449.	1.6	414
45	Pattern separation deficits following damage to the hippocampus. Neuropsychologia, 2012, 50, 2408-2414.	1.6	91
46	It is time to fill in the gaps left by simple dissociations. Cognitive Neuroscience, 2012, 3, 215-216.	1.4	1
47	Conserved fMRI and LFP Signals during New Associative Learning in the Human and Macaque Monkey Medial Temporal Lobe. Neuron, 2012, 74, 743-752.	8.1	22
48	Norepinephrine-mediated emotional arousal facilitates subsequent pattern separation. Neurobiology of Learning and Memory, 2012, 97, 465-469.	1.9	91
49	Behavioral and neuroanatomical investigation of Highly Superior Autobiographical Memory (HSAM). Neurobiology of Learning and Memory, 2012, 98, 78-92.	1.9	168
50	Functional MRI of the amygdala and bed nucleus of the stria terminalis during conditions of uncertainty in generalized anxiety disorder. Journal of Psychiatric Research, 2012, 46, 1045-1052.	3.1	131
51	Intrinsic functional connectivity of the human medial temporal lobe suggests a distinction between adjacent MTL cortices and hippocampus. Hippocampus, 2012, 22, 2290-2302.	1.9	31
52	Pattern separation deficits associated with increased hippocampal CA3 and dentate gyrus activity in nondemented older adults. Hippocampus, 2011, 21, 968-979.	1.9	444
53	Pattern separation in the hippocampus. Trends in Neurosciences, 2011, 34, 515-525.	8.6	1,122
54	Functional specialization within the striatum along both the dorsal/ventral and anterior/posterior axes during associative learning via reward and punishment. Learning and Memory, 2011, 18, 703-711.	1.3	59

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55	Striatal and Medial Temporal Lobe Functional Interactions during Visuomotor Associative Learning. Cerebral Cortex, 2011, 21, 647-658.	2.9	46
56	Imaging the reconstruction of true and false memories using sensory reactivation and the misinformation paradigms. Learning and Memory, 2010, 17, 485-488.	1.3	81
57	Ultrahigh-resolution microstructural diffusion tensor imaging reveals perforant path degradation in aged humans in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12687-12691.	7.1	212
58	High-resolution structural and functional MRI of hippocampal CA3 and dentate gyrus in patients with amnestic Mild Cognitive Impairment. NeuroImage, 2010, 51, 1242-1252.	4.2	436
59	A quantitative evaluation of cross-participant registration techniques for MRI studies of the medial temporal lobeâ˜†. NeuroImage, 2009, 44, 319-327.	4.2	225
60	Multiple signals of recognition memory in the medial temporal lobe. Hippocampus, 2008, 18, 945-954.	1.9	73
61	Pattern Separation in the Human Hippocampal CA3 and Dentate Gyrus. Science, 2008, 319, 1640-1642.	12.6	857
62	Overcoming interference: An fMRI investigation of pattern separation in the medial temporal lobe. Learning and Memory, 2007, 14, 625-633.	1.3	266
63	High-resolution fMRI investigation of the medial temporal lobe. Human Brain Mapping, 2007, 28, 959-966.	3.6	110
64	Increasing the power of functional maps of the medial temporal lobe by using large deformation diffeomorphic metric mapping. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9685-9690.	7.1	164
65	Functional Magnetic Resonance Imaging Activity during the Gradual Acquisition and Expression of Paired-Associate Memory. Journal of Neuroscience, 2005, 25, 5720-5729.	3.6	124
66	Neural activity during encoding predicts false memories created by misinformation. Learning and Memory, 2005, 12, 3-11.	1.3	114
67	Medial temporal lobe activation during encoding and retrieval of novel face-name pairs. Hippocampus, 2004, 14, 919-930.	1.9	284
68	THE MEDIAL TEMPORAL LOBE. Annual Review of Neuroscience, 2004, 27, 279-306.	10.7	2,288
69	Neural processing associated with true and false memory retrieval. Cognitive, Affective and Behavioral Neuroscience, 2003, 3, 323-334.	2.0	77
70	Hippocampal damage equally impairs memory for single items and memory for conjunctions. Hippocampus, 2003, 13, 281-292.	1.9	103
71	Making Memories without Trying: Medial Temporal Lobe Activity Associated with Incidental Memory Formation during Recognition. Journal of Neuroscience, 2003, 23, 6748-6753.	3.6	203
72	Recognition Memory for Single Items and for Associations Is Similarly Impaired Following Damage to the Hippocampal Region. Learning and Memory, 2002, 9, 238-242.	1.3	118

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73	Recognition memory and familiarity judgments in severe amnesia: No evidence for a contribution of repetition priming.. Behavioral Neuroscience, 2000, 114, 459-467.	1.2	77
74	Functional Magnetic Resonance Imaging (fMRI) Activity in the Hippocampal Region during Recognition Memory. Journal of Neuroscience, 2000, 20, 7776-7781.	3.6	147