

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	THE MEDIAL TEMPORAL LOBE. Annual Review of Neuroscience, 2004, 27, 279-306.	10.7	2,288
2	Pattern separation in the hippocampus. Trends in Neurosciences, 2011, 34, 515-525.	8.6	1,122
3	Pattern Separation in the Human Hippocampal CA3 and Dentate Gyrus. Science, 2008, 319, 1640-1642.	12.6	857
4	Pattern separation deficits associated with increased hippocampal CA3 and dentate gyrus activity in nondemented older adults. Hippocampus, 2011, 21, 968-979.	1.9	444
5	High-resolution structural and functional MRI of hippocampal CA3 and dentate gyrus in patients with amnesic Mild Cognitive Impairment. NeuroImage, 2010, 51, 1242-1252.	4.2	436
6	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
7	Medial temporal lobe activation during encoding and retrieval of novel face-name pairs. Hippocampus, 2004, 14, 919-930.	1.9	284
8	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
9	Overcoming interference: An fMRI investigation of pattern separation in the medial temporal lobe. Learning and Memory, 2007, 14, 625-633.	1.3	266
10	A quantitative evaluation of cross-participant registration techniques for MRI studies of the medial temporal lobe. NeuroImage, 2009, 44, 319-327.	4.2	225
11	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
12	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
13	Behavioral and neuroanatomical investigation of Highly Superior Autobiographical Memory (HSAM). Neurobiology of Learning and Memory, 2012, 98, 78-92.	1.9	168
14	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
15	Functional Magnetic Resonance Imaging (fMRI) Activity in the Hippocampal Region during Recognition Memory. Journal of Neuroscience, 2000, 20, 7776-7781.	3.6	147
16	Mnemonic Similarity Task: A Tool for Assessing Hippocampal Integrity. Trends in Cognitive Sciences, 2019, 23, 938-951.	7.8	147
17	Stability of age-related deficits in the mnemonic similarity task across task variations.. Behavioral Neuroscience, 2015, 129, 257-268.	1.2	141
18	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

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19	False memories in highly superior autobiographical memory individuals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20947-20952.	7.1	130
20	A harmonized segmentation protocol for hippocampal and parahippocampal subregions: Why do we need one and what are the key goals?. <i>Hippocampus</i> , 2017, 27, 3-11.	1.9	130
21	Functional Magnetic Resonance Imaging Activity during the Gradual Acquisition and Expression of Paired-Associate Memory. <i>Journal of Neuroscience</i> , 2005, 25, 5720-5729.	3.6	124
22	Virtual Environmental Enrichment through Video Games Improves Hippocampal-Associated Memory. <i>Journal of Neuroscience</i> , 2015, 35, 16116-16125.	3.6	123
23	Recognition Memory for Single Items and for Associations Is Similarly Impaired Following Damage to the Hippocampal Region. <i>Learning and Memory</i> , 2002, 9, 238-242.	1.3	118
24	Neural activity during encoding predicts false memories created by misinformation. <i>Learning and Memory</i> , 2005, 12, 3-11.	1.3	114
25	High-resolution fMRI investigation of the medial temporal lobe. <i>Human Brain Mapping</i> , 2007, 28, 959-966.	3.6	110
26	The neuroscience of memory: implications for the courtroom. <i>Nature Reviews Neuroscience</i> , 2013, 14, 649-658.	10.2	104
27	Hippocampal damage equally impairs memory for single items and memory for conjunctions. <i>Hippocampus</i> , 2003, 13, 281-292.	1.9	103
28	Age-related deficits in the mnemonic similarity task for objects and scenes. <i>Behavioural Brain Research</i> , 2017, 333, 109-117.	2.2	98
29	Loss of pattern separation performance in schizophrenia suggests dentate gyrus dysfunction. <i>Schizophrenia Research</i> , 2014, 159, 193-197.	2.0	97
30	Pattern separation deficits following damage to the hippocampus. <i>Neuropsychologia</i> , 2012, 50, 2408-2414.	1.6	91
31	Norepinephrine-mediated emotional arousal facilitates subsequent pattern separation. <i>Neurobiology of Learning and Memory</i> , 2012, 97, 465-469.	1.9	91
32	Hippocampal subfield volumetry from structural isotropic 1.5mm ³ MRI scans: A note of caution. <i>Human Brain Mapping</i> , 2021, 42, 539-550.	3.6	84
33	Imaging the reconstruction of true and false memories using sensory reactivation and the misinformation paradigms. <i>Learning and Memory</i> , 2010, 17, 485-488.	1.3	81
34	Limbic Tract Integrity Contributes to Pattern Separation Performance Across the Lifespan. <i>Cerebral Cortex</i> , 2015, 25, 2988-2999.	2.9	81
35	Recognition memory and familiarity judgments in severe amnesia: No evidence for a contribution of repetition priming. <i>Behavioral Neuroscience</i> , 2000, 114, 459-467.	1.2	77
36	Neural processing associated with true and false memory retrieval. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2003, 3, 323-334.	2.0	77

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37	Multiple signals of recognition memory in the medial temporal lobe. <i>Hippocampus</i> , 2008, 18, 945-954.	1.9	73
38	Contributions of human hippocampal subfields to spatial and temporal pattern separation. <i>Hippocampus</i> , 2014, 24, 293-302.	1.9	66
39	Mnemonic discrimination relates to perforant path integrity: An ultra-high resolution diffusion tensor imaging study. <i>Neurobiology of Learning and Memory</i> , 2016, 129, 107-112.	1.9	60
40	Functional specialization within the striatum along both the dorsal/ventral and anterior/posterior axes during associative learning via reward and punishment. <i>Learning and Memory</i> , 2011, 18, 703-711.	1.3	59
41	A Sequence of events model of episodic memory shows parallels in rats and humans. <i>Hippocampus</i> , 2014, 24, 1178-1188.	1.9	52
42	Striatal and Medial Temporal Lobe Functional Interactions during Visuomotor Associative Learning. <i>Cerebral Cortex</i> , 2011, 21, 647-658.	2.9	46
43	Multivariate pattern analysis of the human medial temporal lobe revealed representationally categorical cortex and representationally agnostic hippocampus. <i>Hippocampus</i> , 2014, 24, 1394-1403.	1.9	42
44	Functional contributions and interactions between the human hippocampus and subregions of the striatum during arbitrary associative learning and memory. <i>Hippocampus</i> , 2015, 25, 900-911.	1.9	42
45	Highly Superior Autobiographical Memory: Quality and Quantity of Retention Over Time. <i>Frontiers in Psychology</i> , 2015, 6, 2017.	2.1	35
46	A cognitive assessment of highly superior autobiographical memory. <i>Memory</i> , 2017, 25, 276-288.	1.7	32
47	Microstructural Alterations in Hippocampal Subfields Mediate Age-Related Memory Decline in Humans. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 94.	3.4	32
48	Intrinsic functional connectivity of the human medial temporal lobe suggests a distinction between adjacent MTL cortices and hippocampus. <i>Hippocampus</i> , 2012, 22, 2290-2302.	1.9	31
49	Improving Hippocampal Memory Through the Experience of a Rich Minecraft Environment. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 57.	2.0	31
50	Recognition Memory Dysfunction Relates to Hippocampal Subfield Volume: A Study of Cognitively Normal and Mildly Impaired Older Adults. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2019, 74, 1132-1141.	3.9	29
51	Age-related impairment on a forced-choice version of the Mnemonic Similarity Task.. <i>Behavioral Neuroscience</i> , 2017, 131, 55-67.	1.2	27
52	Age-related alterations in functional connectivity along the longitudinal axis of the hippocampus and its subfields. <i>Hippocampus</i> , 2021, 31, 11-27.	1.9	26
53	What's in a context? Cautions, limitations, and potential paths forward. <i>Neuroscience Letters</i> , 2018, 680, 77-87.	2.1	23
54	Conserved fMRI and LFP Signals during New Associative Learning in the Human and Macaque Monkey Medial Temporal Lobe. <i>Neuron</i> , 2012, 74, 743-752.	8.1	22

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55	Age- and memory- related differences in hippocampal gray matter integrity are better captured by NODDI compared to single-tensor diffusion imaging. <i>Neurobiology of Aging</i> , 2020, 96, 12-21.	3.1	22
56	Retrieval of high-fidelity memory arises from distributed cortical networks. <i>NeuroImage</i> , 2017, 149, 178-189.	4.2	18
57	The influence of low-level stimulus features on the representation of contexts, items, and their mnemonic associations. <i>NeuroImage</i> , 2017, 155, 513-529.	4.2	18
58	3T hippocampal glutamate-glutamine complex reflects verbal memory decline in aging. <i>Neurobiology of Aging</i> , 2017, 54, 103-111.	3.1	18
59	Enriching hippocampal memory function in older adults through video games. <i>Behavioural Brain Research</i> , 2020, 390, 112667.	2.2	17
60	Memory for sequences of events impaired in typical aging. <i>Learning and Memory</i> , 2015, 22, 138-148.	1.3	16
61	Tacrolimus Protects against Age-Associated Microstructural Changes in the Beagle Brain. <i>Journal of Neuroscience</i> , 2021, 41, 5124-5133.	3.6	13
62	Enriching Hippocampal Memory Function in Older Adults Through Real-World Exploration. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 158.	3.4	12
63	Neural substrates of mnemonic discrimination: A whole-brain fMRI investigation. <i>Brain and Behavior</i> , 2020, 10, e01560.	2.2	11
64	Impaired Behavioral Pattern Separation in Refractory Temporal Lobe Epilepsy and Mild Cognitive Impairment. <i>Journal of the International Neuropsychological Society</i> , 2022, 28, 550-562.	1.8	9
65	Higher-order multi-shell diffusion measures complement tensor metrics and volume in gray matter when predicting age and cognition. <i>NeuroImage</i> , 2022, 253, 119063.	4.2	9
66	Remembering facts versus feelings in the wake of political events. <i>Cognition and Emotion</i> , 2021, 35, 1-20.	2.0	8
67	Modulation of associative learning in the hippocampal-striatal circuit based on item-set similarity. <i>Cortex</i> , 2018, 109, 60-73.	2.4	7
68	Predicted and remembered emotion: tomorrow's vividness trumps yesterday's accuracy. <i>Memory</i> , 2020, 28, 128-140.	1.7	7
69	Playing Minecraft Improves Hippocampal-Associated Memory for Details in Middle Aged Adults. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 685286.	1.8	7
70	Response bias, recollection, and familiarity in individuals with Highly Superior Autobiographical Memory (HSAM). <i>Memory</i> , 2019, 27, 739-749.	1.7	4
71	Using Advanced Diffusion-Weighted Imaging to Predict Cell Counts in Gray Matter: Potential and Pitfalls. <i>Frontiers in Neuroscience</i> , 2022, 16, .	2.8	4
72	Adaptive design optimization for a Mnemonic Similarity Task. <i>Journal of Mathematical Psychology</i> , 2022, 108, 102665.	1.8	3

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73	It is time to fill in the gaps left by simple dissociations. <i>Cognitive Neuroscience</i> , 2012, 3, 215-216.	1.4	1
74	Excitatory/Inhibitory Imbalance in Anterior Lateral Occipital Complex Can Impair Hippocampal Mnemonic Discrimination. <i>Neuron</i> , 2019, 101, 360-362.	8.1	0